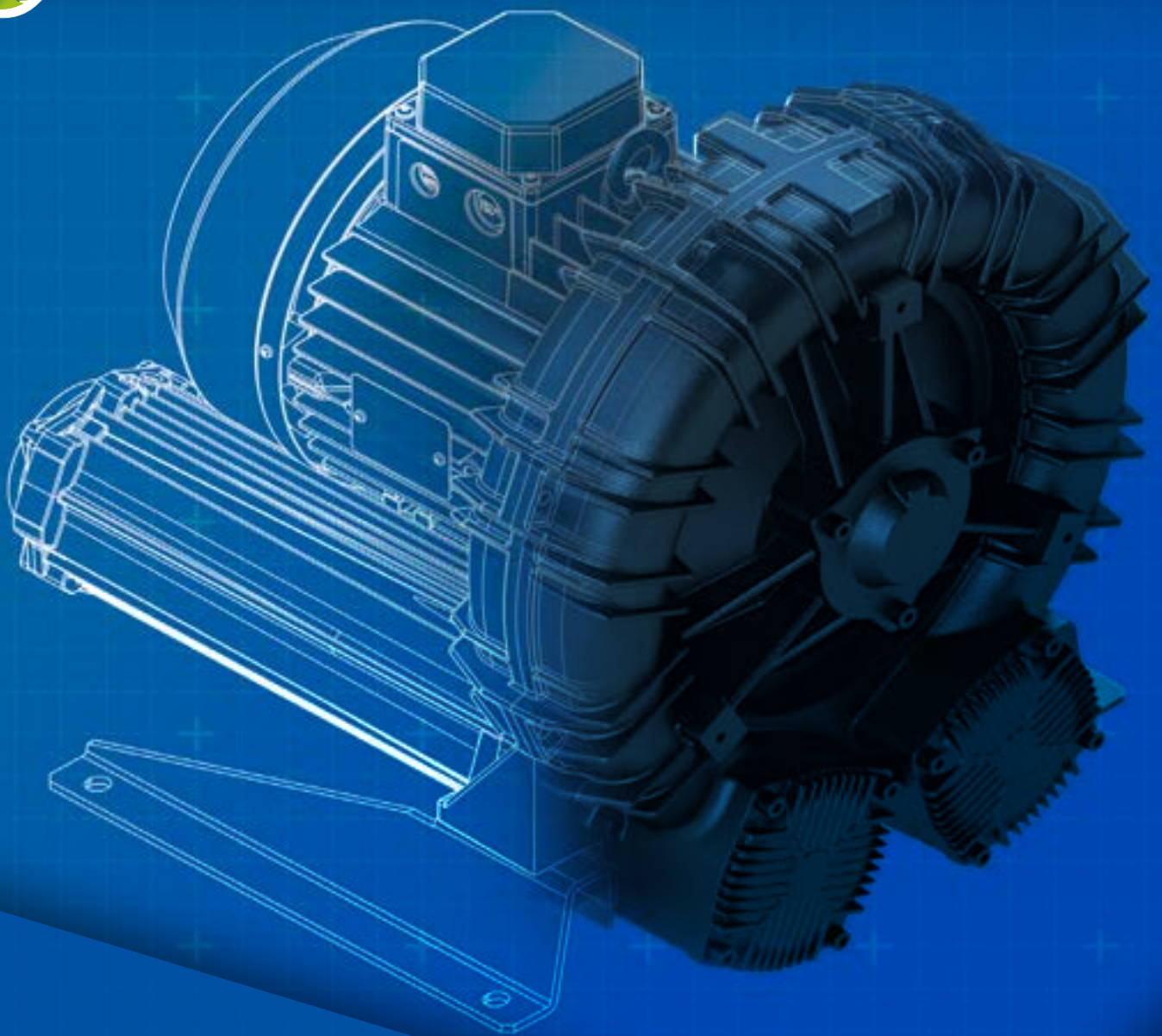


Your partner in Blower Technology

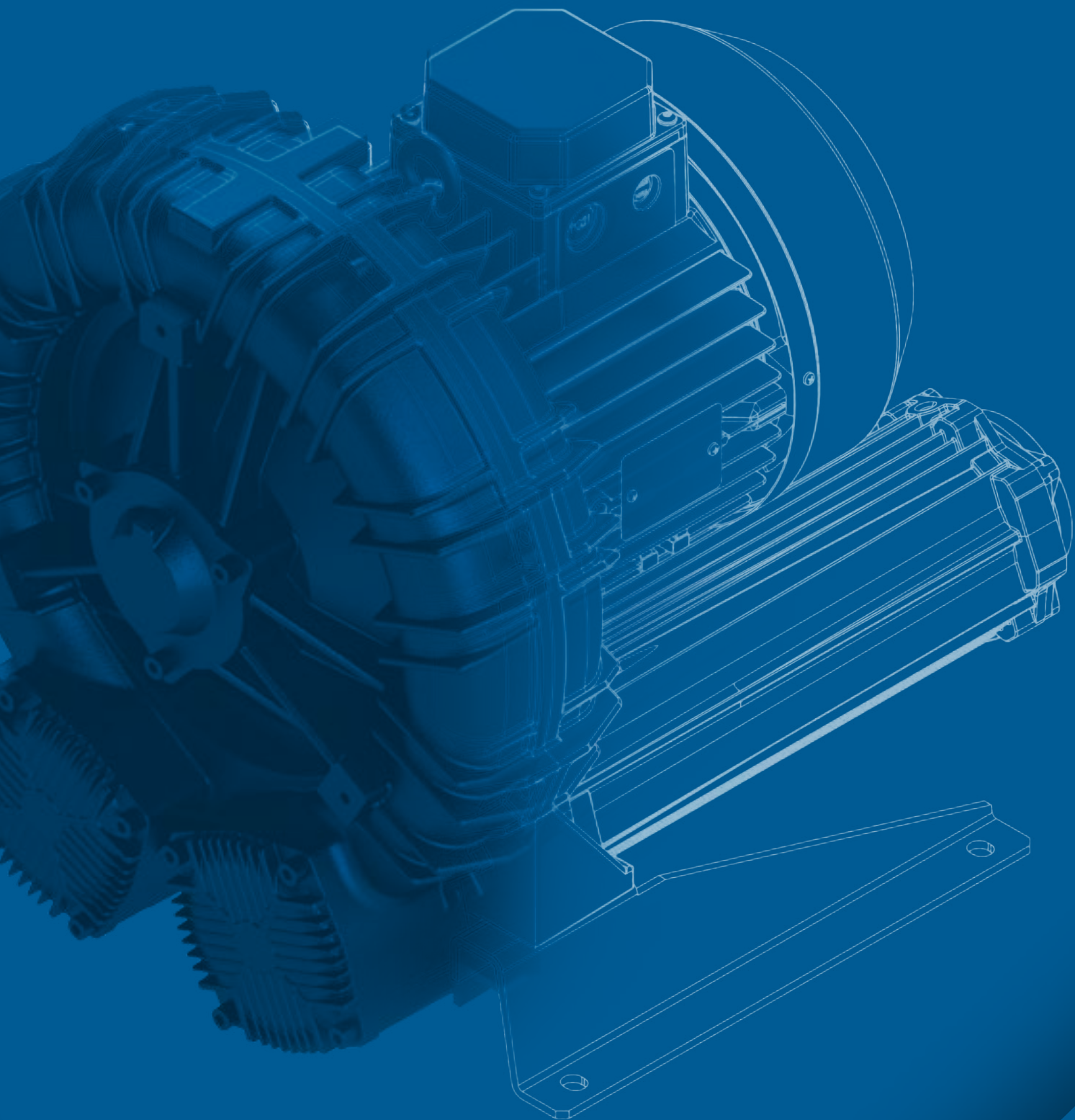
Data sheet



Your partner in Blower Technology

Data sheet





The Company

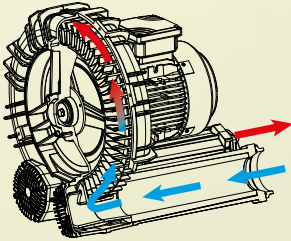
FPZ is an Italian multinational company that manufactures **Side Channel Blowers** to move air, technical gases, methane and biogas in compression and aspiration systems.

The company operates on the international market with 8 subsidiaries around the world and a global network of agents and distributors in more than 70 countries. FPZ's mission is to offer a wide range of blowers and accessories that can be used in several industrial sectors and to ensure excellent standards of reliability and on-time deliveries.

The two key concepts at FPZ are customer service and customisation of products. The company combines a before and after-sales service that is customer-centred and a flexible manufacturing process that meets the needs of the different markets. The goal of FPZ is to develop and guarantee technically advanced machines by applying the lean manufacturing method, which ensures defect-free, top-quality products and punctual services.

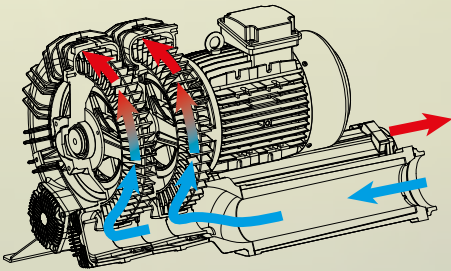


Side Channel Blowers



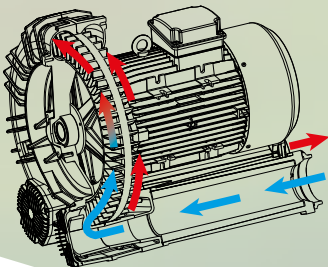
MS

Single impeller single stage



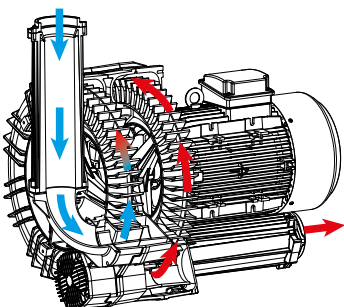
TS

Twin impeller single stage



MD

Single impeller double stage



TD

Twin impeller double stage

Installation

- For the machine to operate properly, it must have an intake filter and a vacuum/pressure relief valve
- Other accessories are available upon request
- Room and suction fluid temperature from -15°C to + 40°C

Model arrangements

A Side Channel Blower can cover a wide range of flow/pressure combinations. The maximum flow rate that can be treated is 2400 m³/h while the relative pressure range goes from -450 mbar (vacuum) to +650 mbar (pressure). Thanks to the blower's modular features, this performance is achieved by combining the blower in different settings.

- **MS**: two channels arranged parallel to each other
- **MD**: two channels arranged sequentially

The acronyms MS and MD mean that the blower has one impeller (**M – mono**) and the compression is obtained through one (**S – single**) or two (**D – double**) transitions via the base module (**single channel**). There are two double-impeller models available:

- **TS**: two MS blowers arranged parallel to each other
- **TD**: two MS blowers arranged sequentially

The acronyms TS and TD mean that the blower has two impellers (**T – twin**) and the compression is obtained through a (**S – single**) or two (**D – double**) transitions via the base module (MS). The diagram on the left summarises the configurations available.

FPZ Green

FPZ's product range now offers solutions that ensure better performance, efficiency and reliability. This is the best you can have in order to achieve significant energy saving.

Energy Efficiency of Electric Motors

In recent years the consumption of electricity in developed countries has increased significantly. FPZ is always on the cutting edge of technological innovation and environmental protection, and for these reasons, its Monobloc

product features, as standard, high efficiency requirements such as:

- IE2 / IE3: High efficiency for power above 0.37 kW
- IE3 Nema Premium: for electric motors intended for the Canadian and US markets

IE3 Wide Range

IE3 Wide Range - cURus

All FPZ blowers come equipped with IE3 motors, designed and manufactured according to the directive Ecodesign 2009/125/CE (CE n.640/2009 and UE n. 4/2014) and according to (including future variants) EN 60034-30-1, EN 60034-2-1. These Motors are also designed to perform safely under a wide range of voltages (Wide Range). The IE3 motors also comply to the cURus standard or certification for the Canadian and USA market, according to the electric rotating machinery safety norms. *UL 1004-1 e C22.2 N.100-04*



IE3 NEMA Premium

IE3 Wide Range - cURus

Electric motors (both closed or open to be used on machinery) for sale on the Canadian or USA market, produced after 1 June 2016, are required to be certified for energy efficiency IE3 Nema Premium (Rated power between 1 HP and 500 HP).



(Federal Register/Vol. 79, No.103 / Thursday, May 29, 2014/Rules and Regulations (page 31010 et seq) © U.S. Government publishing office)



Side Channel Blowers

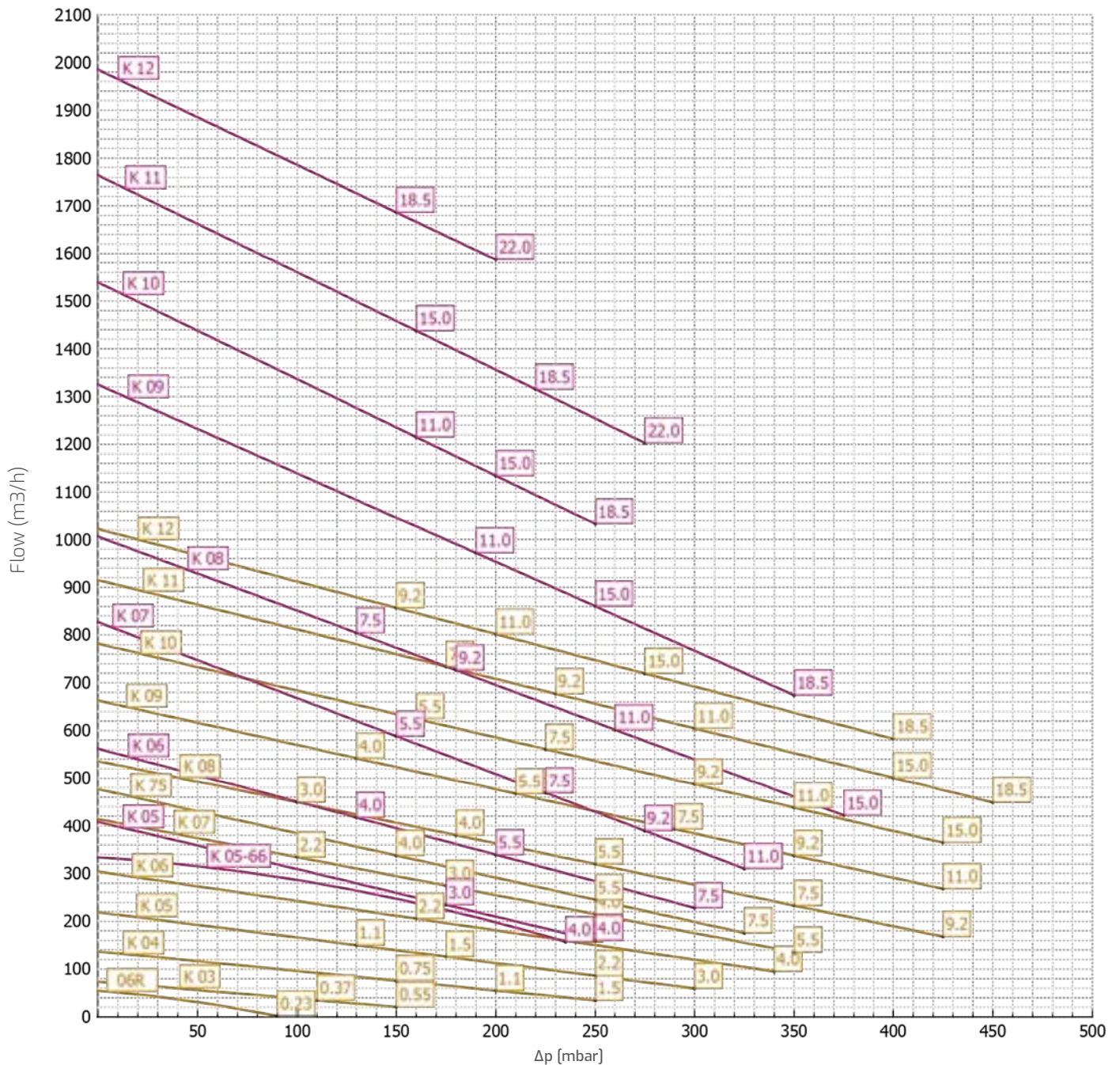
	Type	Flow Installed motor size															
		Max. flow		+ 50 hPa (mbar)		+ 100 hPa (mbar)		+ 150 hPa (mbar)		+ 200 hPa (mbar)		+ 250 hPa (mbar)		+ 300 hPa (mbar)		+ 350 hPa (mbar)	
		m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW
MS	06R MS	55.0	0.20	30.8	0.20												
	K03 MS	74.0	0.37	56.2	0.37	38.4	0.37	20.7	0.55								
	K04 MS	137.0	0.75	116.6	0.75	96.2	0.75	75.7	0.75	55.2	1.10	34.6	1.50				
	K05 MS	219.0	1.10	192.5	1.10	166.0	1.10	139.4	1.50	112.8	2.20	86.2	2.20	59.5	3.00		
	K06 MS	304.0	2.20	273.2	2.20	242.4	2.20	211.7	2.20	181.0	3.00	150.3	4.00	119.6	4.00	95.1	4.00
	K07 MS	414.0	2.20	374.1	2.20	334.3	2.20	294.5	3.00	254.7	4.00	214.9	4.00	175.2	5.50	135.4	5.50
	K75 MS	477.0	4.00	430.6	4.00	384.1	4.00	337.7	4.00	291.4	5.50	245.0	5.50	198.7	7.50		
	K08 MS	536.0	3.00	492.8	3.00	449.5	3.00	406.3	4.00	363.0	5.50	319.7	5.50	276.4	7.50	233.0	7.50
	K09 MS	663.0	4.00	616.4	4.00	569.9	4.00	523.3	5.50	476.8	5.50	430.4	7.50	383.9	9.20	337.5	9.20
	K10 MS	782.0	5.50	732.9	5.50	683.7	5.50	634.6	5.50	585.5	7.50	536.4	9.20	487.3	9.20	438.2	11.00
	K11 MS	915.0	7.50	863.3	7.50	811.6	7.50	759.9	7.50	708.1	9.20	656.3	11.00	604.6	11.00	552.7	15.00
	K12 MS	1022.0	9.20	966.9	9.20	911.9	9.20	856.9	9.20	801.9	11.00	747.0	15.00	692.2	18.50	637.3	18.50
TS	K05 TS	408.0	3.00	358.6	3.00	309.1	3.00	259.5	3.00	209.7	4.00	159.8	4.00				
	K05-66 TS	334.0	4.00	315.3	4.00	286.3	4.00	247.1	4.00	197.8	4.00						
	K06 TS	562.0	4.00	506.3	4.00	450.7	4.00	395.0	5.50	339.4	5.50	283.8	7.50	228.2	7.50		
	K07 TS	827.0	5.50	747.4	5.50	667.8	5.50	588.3	5.50	508.8	7.50	429.3	9.20	349.9	11.00		
	K08 TS	1006.0	7.50	928.6	7.50	851.0	7.50	773.3	9.20	695.4	11.00	617.4	11.00	539.3	15.00	460.9	15.00
	K09 TS	1325.0	11.00	1232.1	11.00	1139.1	11.00	1046.2	11.00	953.2	15.00	860.2	15.00	767.1	18.50	674.0	18.50
	K10 TS	1539.0	11.00	1437.7	11.00	1336.5	11.00	1235.3	11.00	1134.1	15.00	1032.9	18.50				
	K11 TS	1764.0	15.00	1662.1	15.00	1560.1	15.00	1458.1	15.00	1356.0	18.50	1253.9	22.00				
	K12 TS	1985.0	18.50	1885.2	18.50	1785.7	18.50	1686.3	18.50	1587.1	22.00						
MD	10DL MD	30.0	0.37	22.3	0.37	15.1	0.37	7.9	0.37	2.0	0.37						
	15DH MD	50.0	0.55	42.9	0.55	37.2	0.55	31.3	0.55	25.4	0.55	19.6	0.55	14.2	0.55		
	R20 MD	60.0	0.75	52.1	0.75	44.5	0.75	37.4	0.75	30.6	0.75	24.2	0.75	18.1	0.75	12.5	1.10
	R30 MD	91.0	1.10	80.9	1.10	71.4	1.10	62.5	1.10	54.1	1.10	46.2	1.10	38.9	1.10	32.2	1.50
	R40 MD	117.0	2.20	107.6	2.20	98.5	2.20	89.7	2.20	81.1	2.20	72.9	2.20	64.9	2.20	57.1	2.20
	K07R MD	181.0	3.00	172.8	3.00	164.9	3.00	157.1	3.00	149.5	3.00	142.1	3.00	135.0	3.00	128.0	3.00
	K08R MD	236.0	4.00	227.0	4.00	218.3	4.00	209.9	4.00	201.8	4.00	194.0	4.00	186.4	4.00	179.2	4.00
	K09 MD	310.0	5.50	299.1	5.50	288.4	5.50	278.0	5.50	267.8	5.50	257.8	5.50	248.0	5.50	238.5	5.50
	K10 MD	386.0	7.50	371.5	7.50	357.4	7.50	343.8	7.50	330.6	7.50	317.9	7.50	305.6	7.50	293.8	7.50
	K11 MD	430.0	7.50	415.4	7.50	401.2	7.50	387.4	7.50	374.0	7.50	361.0	7.50	348.4	7.50	336.2	7.50
	K12 MD	472.0	11.00	458.4	11.00	445.0	11.00	431.6	11.00	418.3	11.00	405.2	11.00	392.1	11.00	379.2	11.00
TD	K04 TD	139.0	2.20	127.6	2.20	116.3	2.20	104.9	2.20	93.6	2.20	82.4	2.20	71.1	2.20	59.9	2.20
	K05 TD	215.0	3.00	202.3	3.00	189.7	3.00	177.0	3.00	164.3	3.00	151.7	3.00	139.0	3.00	126.3	3.00
	K06 TD	312.0	4.00	297.9	4.00	283.7	4.00	269.5	4.00	255.4	4.00	241.2	4.00	227.0	5.50	212.9	5.50
	K07 TD	416.0	5.50	396.8	5.50	377.6	5.50	358.4	5.50	339.2	5.50	319.9	5.50	300.7	5.50	281.4	7.50
	K08 TD	518.0	7.50	500.0	7.50	482.0	7.50	464.1	7.50	446.1	7.50	428.1	7.50	410.1	7.50	392.1	9.20
	K09 TD	657.0	11.00	636.6	11.00	616.3	11.00	595.9	11.00	575.6	11.00	555.2	11.00	534.9	11.00	514.5	11.00
	K10 TD	804.0	11.00	780.5	11.00	757.0	11.00	733.6	11.00	710.1	11.00	686.6	11.00	663.2	11.00	639.7	15.00
	K11 TD	903.0	15.00	879.7	15.00	856.4	15.00	833.0	15.00	809.7	15.00	786.4	15.00	763.0	15.00	739.7	15.00
	K12 TD	1007.0	18.50	984.9	18.50	962.6	18.50	940.4	18.50	918.1	18.50	895.7	18.50	873.2	18.50	850.7	22.00

													Δp max	Q @ Δp max	P @ Δp max
	+400 hPa (mbar)		+450 hPa (mbar)		+ 500 hPa (mbar)		+ 550 hPa (mbar)		+ 600 hPa (mbar)		+ 650 hPa (mbar)				
	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	mbar	m³/h	kW
													90.0	0	0.20
													150.0	20.7	0.55
													250.0	34.6	1.50
													300.0	59.5	3.00
													350.0	95.1	4.00
													350.0	135.4	5.50
													325.0	175.6	7.50
	189.7	9.20											425.0	168.0	9.20
	291.2	11.00											425.0	268.0	11.00
	389.1	15.00	291	15.0									425.0	364.6	15.00
	500.9	15.00	397	18.5									450.0	449.1	18.50
	582.5	18.50											400.0	582.5	18.50
													250.0	159.8	4.00
													235.0	157.3	4.00
													300.0	228.2	7.50
													325.0	310.2	11.00
													375.0	421.7	15.00
													350.0	674.0	18.50
													250.0	1032.9	18.50
													275.0	1202.8	22.00
													200.0	1587.1	22.00
													200.0	2.0	0.37
													300.0	14.2	0.55
	7.2	1.10											400.0	7.2	1.10
	26.0	1.50											425.0	23.1	1.50
	49.7	2.20	42.5	3.00	35.6	3.00							500.0	35.6	3.00
	121.2	3.00	114.6	3.00	108.2	4.00	102.0	4.00	96.0	5.50	90.3	5.50	650.0	90.3	5.50
	172.2	5.50	165.6	5.50	159.2	5.50	153.1	5.50	147.3	7.50	141.8	7.50	650.0	141.8	7.50
	229.2	5.50	220.1	7.50	211.3	7.50	202.7	7.50	194.3	7.50			625.0	190.2	7.50
	282.4	7.50	271.5	7.50	261.1	7.50	251.0	9.20	241.5	9.20	232.4	9.20	650.0	232.4	9.20
	324.5	9.20	313.1	9.20	302.1	9.20	291.6	11.00	281.4	11.00	271.7	11.00	650.0	271.7	11.00
	366.3	11.00	353.6	11.00	341.0	15.00	328.5	15.00	316.1	15.00	303.8	15.00	650.0	303.8	15.00
	48.7	2.20											400.0	48.7	2.20
	113.6	4.00	100.9	4.00									475.0	94.6	4.00
	198.7	5.50	184.5	7.50	170.3	7.50	156.1	7.50					550.0	156.1	7.50
	262.1	7.50	242.8	7.50	223.5	9.20	204.2	9.20					575.0	194.5	9.20
	374.0	9.20	356.0	11.00	338.0	11.00	320.0	11.00	301.9	15.00			625.0	292.9	15.00
	494.2	15.00	473.8	15.00	453.4	15.00	433.1	15.00	412.7	18.50			625.0	402.5	18.50
	616.2	15.00	592.8	15.00	569.3	18.50	545.9	18.50					575.0	534.2	18.50
	716.3	18.50	693.0	18.50									475.0	681.3	18.50
	828.1	22.00											425.0	816.8	22.00

Side Channel Blowers

MS TS

Compression **50Hz**



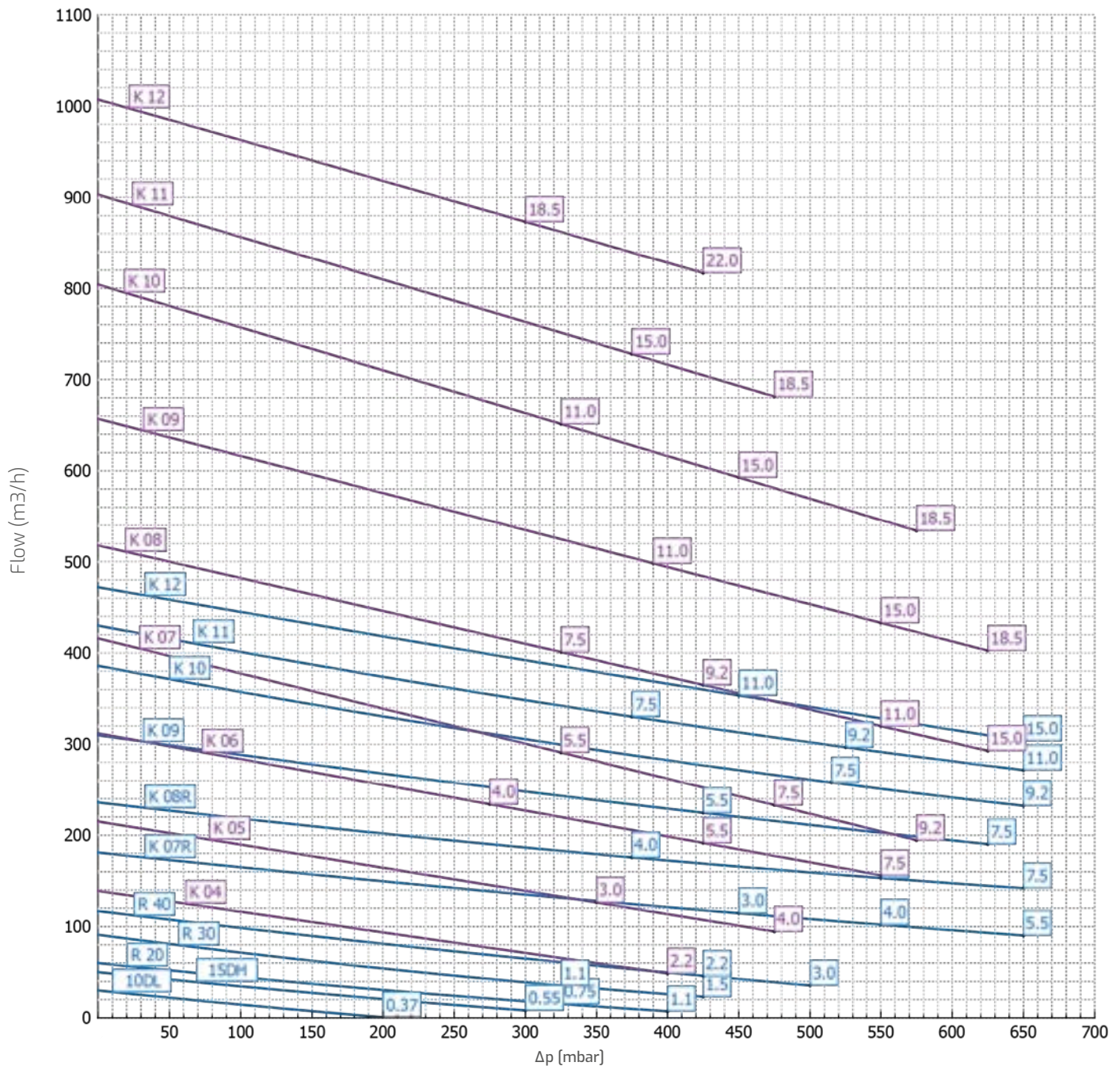
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Compression **50Hz**



Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

Side Channel Blowers

	Type	Flow Installed motor size															
		Max. flow		+ 50 hPa (mbar)		+ 100 hPa (mbar)		+ 150 hPa (mbar)		+ 200 hPa (mbar)		+ 250 hPa (mbar)		+ 300 hPa (mbar)		+ 350 hPa (mbar)	
		m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW
MS	06R MS	66.0	0.23	42.5	0.23	17.4	0.40										
	K03 MS	89.0	0.42	74.4	0.42	59.8	0.42	45.4	0.65	31.0	0.65						
	K04 MS	166.0	0.90	148.9	0.90	131.9	0.90	114.9	1.30	98.0	1.70	81.1	1.70				
	K05 MS	265.0	1.30	242.9	1.30	220.8	1.30	198.8	1.70	176.8	2.60	154.8	2.60	132.9	3.50	111.0	3.50
	K06 MS	366.0	2.60	340.5	2.60	315.1	2.60	289.7	3.50	264.2	3.50	238.8	4.80	213.4	4.80		
	K07 MS	499.0	2.60	465.9	2.60	432.9	3.50	399.9	4.80	367.0	4.80	334.2	6.50	301.4	6.50	268.6	6.50
	K75 MS	576.0	4.80	537.5	4.80	499.1	4.80	460.7	4.80	422.3	6.50	383.9	9.00	345.5	9.00		
	K08 MS	647.0	3.50	611.2	3.50	575.5	4.80	539.7	4.80	503.8	6.50	468.0	9.00	432.1	9.00	396.3	11.00
	K09 MS	800.0	4.80	761.3	4.80	722.7	6.50	684.1	6.50	645.5	9.00	607.0	9.00	568.6	11.00	530.2	13.00
	K10 MS	944.0	6.50	903.2	6.50	862.5	6.50	821.7	9.00	781.0	9.00	740.3	11.00	699.6	13.00	658.9	17.00
	K11 MS	1105.0	9.00	1062.1	9.00	1019.2	9.00	976.3	11.00	933.4	13.00	890.4	13.00	847.5	17.00	804.6	17.00
	K12 MS	1234.0	11.00	1188.4	11.00	1142.9	11.00	1097.3	13.00	1051.8	17.00	1006.2	17.00	960.7	22.00	915.1	22.00
TS	K05 TS	493.0	3.50	451.9	3.50	410.8	3.50	369.9	4.80	329.0	4.80						
	K06 TS	679.0	4.80	633.1	4.80	587.0	4.80	540.8	6.50	494.5	9.00	448.0	9.00				
	K07 TS	998.0	6.50	931.9	6.50	865.9	6.50	799.9	9.00	733.9	9.00	668.0	11.00	602.2	13.00		
	K08 TS	1214.0	9.00	1149.9	9.00	1085.6	11.00	1021.2	11.00	956.6	13.00	891.9	17.00	827.1	17.00		
	K09 TS	1599.0	13.00	1521.9	13.00	1444.9	13.00	1368.0	13.00	1291.1	17.00	1214.2	22.00				
	K10 TS	1857.0	13.00	1773.4	13.00	1689.8	13.00	1606.1	17.00	1522.3	22.00	1438.5	22.00				
	K11 TS	2129.0	17.00	2056.7	17.00	1971.7	17.00	1874.1	22.00	1763.7	26.00						
	K12 TS	2382.0	26.00	2300.4	26.00	2210.5	26.00	2132.6	26.00								
MD	10DL MD	35.0	0.43	28.8	0.43	22.7	0.43	17.3	0.43								
	15DH MD	58.0	0.63	53.5	0.63	48.2	0.63	43.8	0.63	38.8	0.63	34.5	0.63				
	R20 MD	70.0	0.90	62.7	0.90	55.6	0.90	48.8	0.90	42.3	0.90	36.1	0.90	30.2	1.30	24.6	1.30
	R30 MD	110.0	1.30	101.8	1.30	93.9	1.30	86.3	1.30	78.9	1.30	71.8	1.30	65.0	1.30	58.4	1.70
	R40 MD	137.0	2.60	130.0	2.60	123.0	2.60	116.0	2.60	109.1	2.60	102.1	2.60	95.2	2.60	88.3	2.60
	K07R MD	218.0	3.50	211.2	3.50	204.6	3.50	198.0	3.50	191.6	3.50	185.3	3.50	179.0	3.50	172.9	3.50
	K08R MD	285.0	4.80	277.7	4.80	270.5	4.80	263.4	4.80	256.5	4.80	249.6	4.80	242.9	4.80	236.4	6.50
	K09 MD	374.0	6.50	364.5	6.50	355.2	6.50	346.2	6.50	337.4	6.50	328.8	6.50	320.4	6.50	312.2	6.50
	K10 MD	466.0	9.00	454.0	9.00	442.2	9.00	430.7	9.00	419.4	9.00	408.4	9.00	397.6	9.00	387.1	9.00
	K11 MD	519.0	9.00	507.1	9.00	495.3	9.00	483.8	9.00	472.4	9.00	461.2	9.00	450.2	9.00	439.4	11.00
	K12 MD	570.0	13.00	558.6	13.00	547.3	13.00	536.1	13.00	525.0	13.00	513.9	13.00	502.9	13.00	492.0	13.00
TD	K04 TD	168.0	2.60	158.7	2.60	149.4	2.60	140.1	2.60	130.7	2.60	121.4	2.60	112.1	2.60	102.7	2.60
	K05 TD	259.0	3.50	248.6	3.50	238.1	3.50	227.6	3.50	217.1	3.50	206.6	3.50	196.1	3.50	185.6	4.80
	K06 TD	376.0	4.80	364.2	4.80	352.5	4.80	340.7	4.80	329.0	4.80	317.2	6.50	305.4	6.50	293.7	6.50
	K07 TD	502.0	6.50	486.1	6.50	470.3	6.50	454.4	6.50	438.6	6.50	422.7	6.50	406.8	9.00	391.0	9.00
	K08 TD	625.0	9.00	610.1	9.00	595.3	9.00	580.4	9.00	565.5	9.00	550.6	9.00	535.7	11.00	520.8	11.00
	K09 TD	793.0	13.00	776.1	13.00	759.3	13.00	742.4	13.00	725.5	13.00	708.7	13.00	691.8	13.00	675.0	17.00
	K10 TD	970.0	13.00	950.5	13.00	931.0	13.00	911.6	13.00	892.1	13.00	872.7	13.00	853.2	17.00	833.8	17.00
	K11 TD	1089.0	17.00	1069.8	17.00	1050.6	17.00	1031.4	17.00	1012.1	17.00	992.8	17.00	973.5	22.00	954.1	22.00
	K12 TD	1216.0	22.00	1198.2	22.00	1179.9	22.00	1161.2	22.00	1142.1	22.00	1122.5	26.00	1102.5	26.00	1082.0	26.00

													Δp max	Q @ Δp max	P @ Δp max
+400 hPa (mbar)		+450 hPa (mbar)		+ 500 hPa (mbar)		+ 550 hPa (mbar)		+ 600 hPa (mbar)		+ 650 hPa (mbar)					
	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	mbar	m³/h	kW
													130.0	0	0.40
													200.0	31.0	0.65
													250.0	81.1	1.70
													350.0	111.0	3.50
													325.0	200.7	4.80
													350.0	268.6	6.50
													300.0	345.5	9.00
	360.4	11.00											425.0	342.4	11.00
	491.8	13.00											400.0	491.8	13.00
	618.2	17.00	577.6	17.00									450.0	577.6	17.00
	761.6	22.00	718.6	22.00									450.0	718.6	22.00
													375.0	892.3	22.00
													210.0	320.9	4.80
													275.0	424.8	9.00
													325.0	569.3	13.00
													325.0	794.6	17.00
													250.0	1214.2	22.00
													250.0	1438.5	22.00
													220.0	1716.0	26.00
													150.0	2132.6	26.00
													175.0	14.6	0.43
													275.0	31.8	0.63
	19.3	1.30	14.2	1.30									450.0	14.2	1.30
	52.2	1.70											425.0	49.1	1.70
	81.4	2.60	74.5	3.50	67.6	3.50							500.0	67.6	3.50
	166.9	4.80	161.0	4.80	155.2	4.80	149.6	4.80	144.0	6.50	138.5	6.50	650.0	138.5	6.50
	229.9	6.50	223.6	6.50	217.4	9.00	211.3	9.00	205.3	9.00			625.0	202.4	9.00
	304.2	9.00	296.5	9.00	289.0	9.00	281.7	9.00					575.0	278.1	9.00
	376.9	9.00	366.8	11.00	357.1	11.00	347.6	11.00					560.0	345.7	11.00
	428.8	11.00	418.4	13.00	408.1	13.00	398.1	13.00					550.0	398.1	13.00
	481.2	13.00	470.5	17.00	459.8	17.00	449.3	17.00					550.0	449.3	17.00
													350.0	102.7	2.60
	175.0	4.80											425.0	169.7	4.80
	281.9	9.00	270.2	9.00	258.4	9.00							525.0	252.6	9.00
	375.1	9.00	359.3	11.00	343.4	11.00							525.0	335.5	11.00
	505.9	13.00	491.0	13.00	476.1	17.00	461.1	17.00	446.2	17.00			625.0	438.7	17.00
	658.1	17.00	641.3	17.00	624.4	17.00	607.6	22.00	590.8	22.00	573.9	22.00	650.0	573.9	22.00
	814.4	22.00	795.0	22.00	775.6	22.00							525.0	765.9	22.00
	934.7	22.00											400.0	934.7	22.00
													350.0	1082.0	26.00

Side Channel Blowers

MS TS

Compression **60Hz**



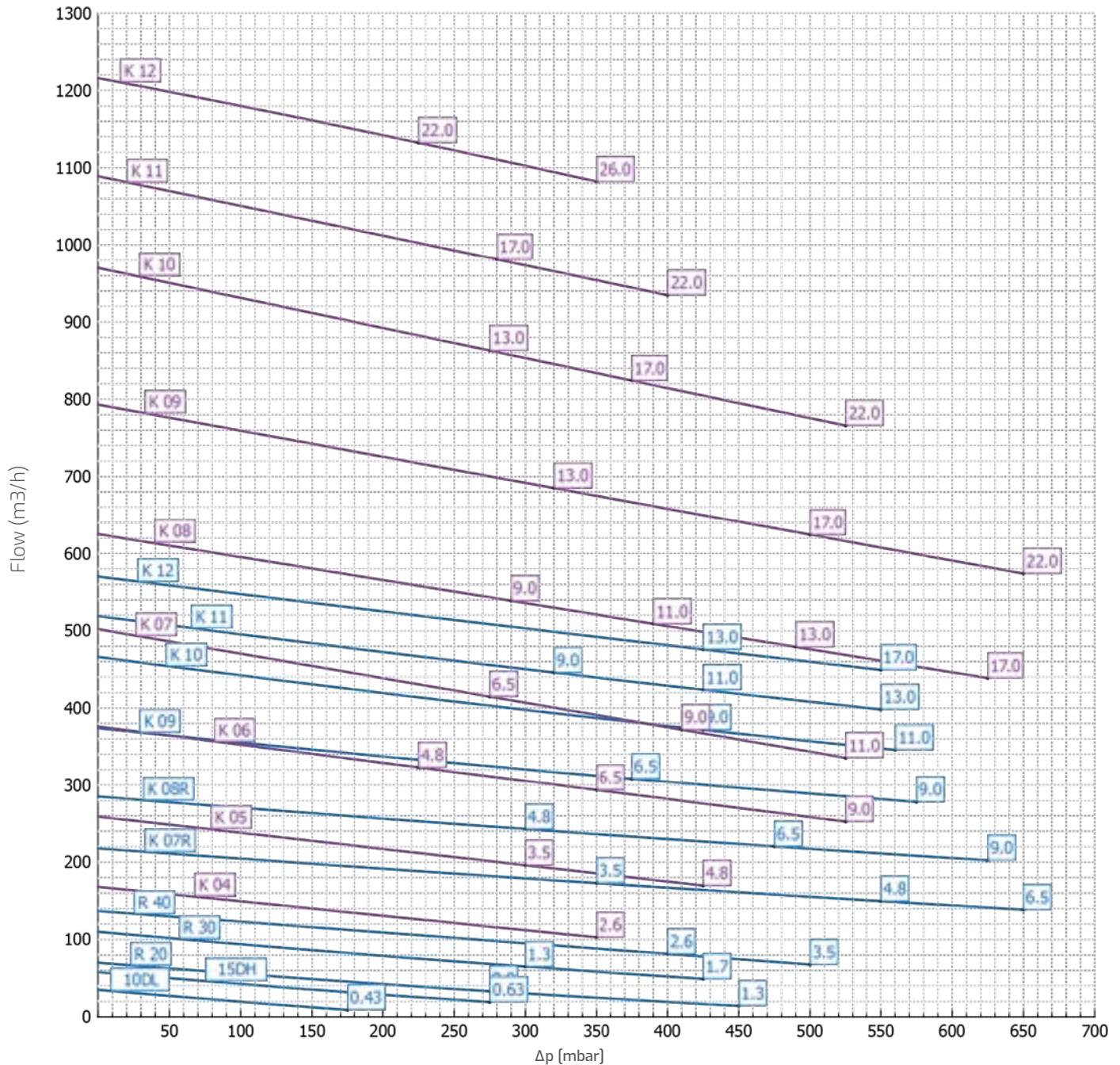
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Compression **60Hz**



Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

Side Channel Blowers

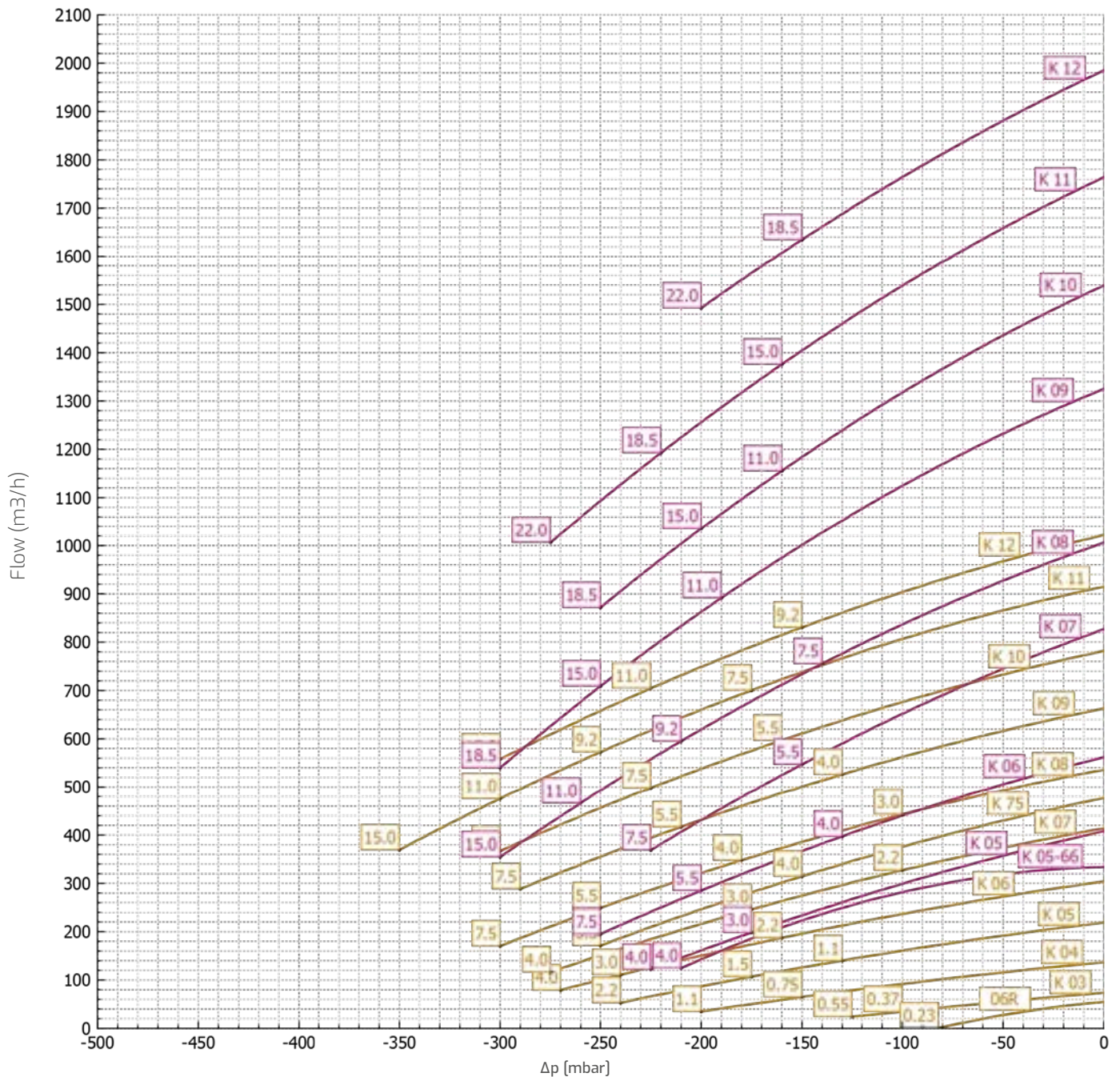
	Type	Flow Installed motor size															
		Max. flow		- 50 hPa (mbar)		- 100 hPa (mbar)		- 150 hPa (mbar)		- 200 hPa (mbar)		- 250 hPa (mbar)		- 300 hPa (mbar)		- 350 hPa (mbar)	
		m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW
MS	06R MS	55.0	0.20	29.7	0.20												
	K03 MS	74.0	0.37	55.1	0.37	34.7	0.37										
	K04 MS	137.0	0.75	115.9	0.75	91.8	0.75	64.8	0.75	34.9	1.10						
	K05 MS	219.0	1.10	191.8	1.10	160.7	1.10	125.8	1.50	87.0	2.20						
	K06 MS	304.0	2.20	272.6	2.20	236.6	2.20	195.9	2.20	150.5	3.00	100.5	4.00				
	K07 MS	414.0	2.20	373.6	2.20	327.2	2.20	274.6	3.00	216.0	4.00	151.2	4.00				
	K75 MS	477.0	4.00	429.9	4.00	375.7	4.00	314.5	4.00	246.4	5.50	171.2	5.50				
	K08 MS	536.0	3.00	493.1	3.00	443.0	3.00	385.6	4.00	321.1	5.50	249.3	5.50	170.3	7.50		
	K09 MS	663.0	4.00	616.3	4.00	562.2	4.00	500.6	5.50	431.6	5.50	355.1	7.50				
	K10 MS	782.0	5.50	733.1	5.50	676.1	5.50	611.0	5.50	537.8	7.50	456.4	9.20	367.0	9.20		
	K11 MS	915.0	7.50	865.5	7.50	806.6	7.50	738.1	7.50	660.1	9.20	572.7	9.20	475.7	11.00	369.2	15.00
	K12 MS	1022.0	9.20	967.3	9.20	903.5	9.20	830.7	9.20	748.8	11.00	657.9	15.00	558.0	15.00		
TS	K05 TS	408.0	3.00	357.2	3.00	299.1	3.00	233.8	3.00	161.2	4.00						
	K05-66 TS	334.0	4.00	318.6	4.00	281.6	4.00	223.0	4.00	142.9	4.00						
	K06 TS	562.0	4.00	505.3	4.00	440.3	4.00	366.9	5.50	285.2	5.50	195.0	7.50				
	K07 TS	827.0	5.50	745.0	5.50	651.7	5.50	547.0	5.50	431.0	7.50						
	K08 TS	1006.0	7.50	927.2	7.50	836.5	7.50	733.9	9.20	619.4	9.20	493.0	11.00	354.6	15.00		
	K09 TS	1325.0	11.00	1232.4	11.00	1124.4	11.00	1001.2	11.00	862.8	15.00	709.0	15.00	540.0	18.50		
	K10 TS	1539.0	11.00	1435.8	11.00	1317.5	11.00	1184.0	11.00	1035.4	15.00	871.7	18.50				
	K11 TS	1764.0	15.00	1658.5	15.00	1538.7	15.00	1404.5	15.00	1256.0	18.50	1093.2	22.00				
	K12 TS	1985.0	18.50	1880.9	18.50	1764.1	18.50	1634.6	18.50	1492.4	22.00						
MD	10DL MD	30.0	0.37	22.1	0.37	13.2	0.37	4.3	0.37								
	15DH MD	50.0	0.55	42.6	0.55	35.5	0.55	27.2	0.55	18.3	0.55	8.9	0.55				
	R20 MD	60.0	0.75	50.6	0.75	41.6	0.75	32.8	0.75	24.4	0.75	16.4	0.75	8.6	0.75		
	R30 MD	91.0	1.10	80.1	1.10	69.3	1.10	58.7	1.10	48.2	1.10	38.0	1.10	27.9	1.10	17.9	1.50
	R40 MD	117.0	2.20	106.9	2.20	96.5	2.20	85.7	2.20	74.4	2.20	62.8	2.20	50.8	2.20	38.4	2.20
	K07R MD	181.0	3.00	172.7	3.00	163.6	3.00	153.5	3.00	142.6	3.00	130.7	3.00	118.0	3.00	104.3	3.00
	K08R MD	236.0	4.00	226.4	4.00	216.3	4.00	205.4	4.00	193.9	4.00	181.8	4.00	169.0	4.00	155.6	4.00
	K09 MD	310.0	5.50	298.6	5.50	286.0	5.50	272.3	5.50	257.5	5.50	241.5	5.50	224.3	5.50	206.0	5.50
	K10 MD	386.0	7.50	372.4	7.50	357.0	7.50	339.8	7.50	320.9	7.50	300.2	7.50	277.7	7.50	253.5	7.50
	K11 MD	430.0	7.50	416.8	7.50	401.5	7.50	384.1	7.50	364.7	7.50	343.2	7.50	319.6	7.50	293.9	7.50
	K12 MD	472.0	11.00	458.4	11.00	442.8	11.00	425.2	11.00	405.6	11.00	383.9	11.00	360.2	11.00	334.5	11.00
TD	K04 TD	139.0	2.20	127.6	2.20	114.5	2.20	99.6	2.20	82.9	2.20	64.5	2.20				
	K05 TD	215.0	3.00	203.4	3.00	189.2	3.00	172.5	3.00	153.3	3.00	131.6	3.00	107.3	3.00	80.4	3.00
	K06 TD	312.0	4.00	299.0	4.00	283.1	4.00	264.4	4.00	242.8	4.00	218.4	4.00	191.2	5.50	161.1	5.50
	K07 TD	416.0	5.50	398.5	5.50	377.1	5.50	351.8	5.50	322.6	5.50	289.5	5.50	252.6	5.50	211.7	5.50
	K08 TD	518.0	7.50	502.2	7.50	482.5	7.50	458.9	7.50	431.5	7.50	400.3	7.50	365.3	7.50	326.3	7.50
	K09 TD	657.0	11.00	639.9	11.00	618.2	11.00	591.9	11.00	561.0	11.00	525.4	11.00	485.3	11.00	440.6	11.00
	K10 TD	804.0	11.00	784.3	11.00	759.2	11.00	728.9	11.00	693.1	11.00	652.1	11.00	605.7	11.00	554.0	15.00
	K11 TD	903.0	15.00	882.6	15.00	857.2	15.00	826.7	15.00	791.2	15.00	750.8	15.00	705.2	15.00	654.7	15.00
	K12 TD	1007.0	18.50	984.9	18.50	959.1	18.50	929.5	18.50	896.2	18.50	859.2	18.50	818.5	18.50	774.0	22.00

					Δp max	Q @ Δp max	P @ Δp max
- 400 hPa (mbar)		- 450 hPa (mbar)					
	m3/h	kW	m3/h	kW	mbar	m³/h	kW
					-82.0	0	0.20
					- 125.0	23.8	0.55
					- 200.0	34.9	1.10
					- 240.0	53.1	2.20
					- 270.0	79.2	4.00
					- 275.0	116.5	4.00
					- 250.0	171.2	5.50
					- 300.0	170.3	7.50
					- 290.0	288.5	7.50
					- 300.0	367.0	9.20
					- 350.0	369.2	15.00
					- 300.0	558.0	15.00
					- 225.0	122.2	4.00
					- 210.0	124.3	4.00
					- 250.0	195.0	7.50
					- 225.0	368.8	7.50
					- 300.0	354.6	15.00
					- 300.0	540.0	18.50
					- 250.0	871.7	18.50
					- 275.0	1006.5	22.00
					- 200.0	1492.4	22.00
					-150.0	4.3	0.37
					-275.0	4.3	0.55
					- 300.0	8.6	0.75
					- 350.0	17.9	1.50
					- 350.0	38.4	2.20
	89.8	3.00	74.4	4.00	- 450.0	74.4	4.00
	141.6	4.00	126.9	5.50	- 450.0	126.9	5.50
	186.5	5.50			- 400.0	186.5	5.50
	227.5	7.50			- 425.0	213.8	7.50
	266.2	7.50			- 425.0	251.5	7.50
	306.8	11.00			- 425.0	292.2	11.00
					- 275.0	54.6	2.20
	51.0	4.00			- 400.0	51.0	4.00
	128.2	5.50			- 400.0	128.2	5.50
	167.0	7.50			- 400.0	167.0	7.50
	283.6	9.20			- 425.0	260.8	9.20
	391.2	15.00	337.3	15.00	- 450.0	337.3	15.00
	497.0	15.00	434.7	15.00	- 450.0	434.7	15.00
	599.2	18.50			- 425.0	569.5	18.50
	725.8	22.00			- 425.0	700.3	22.00

Side Channel Blowers

MS TS

Suction **50Hz**



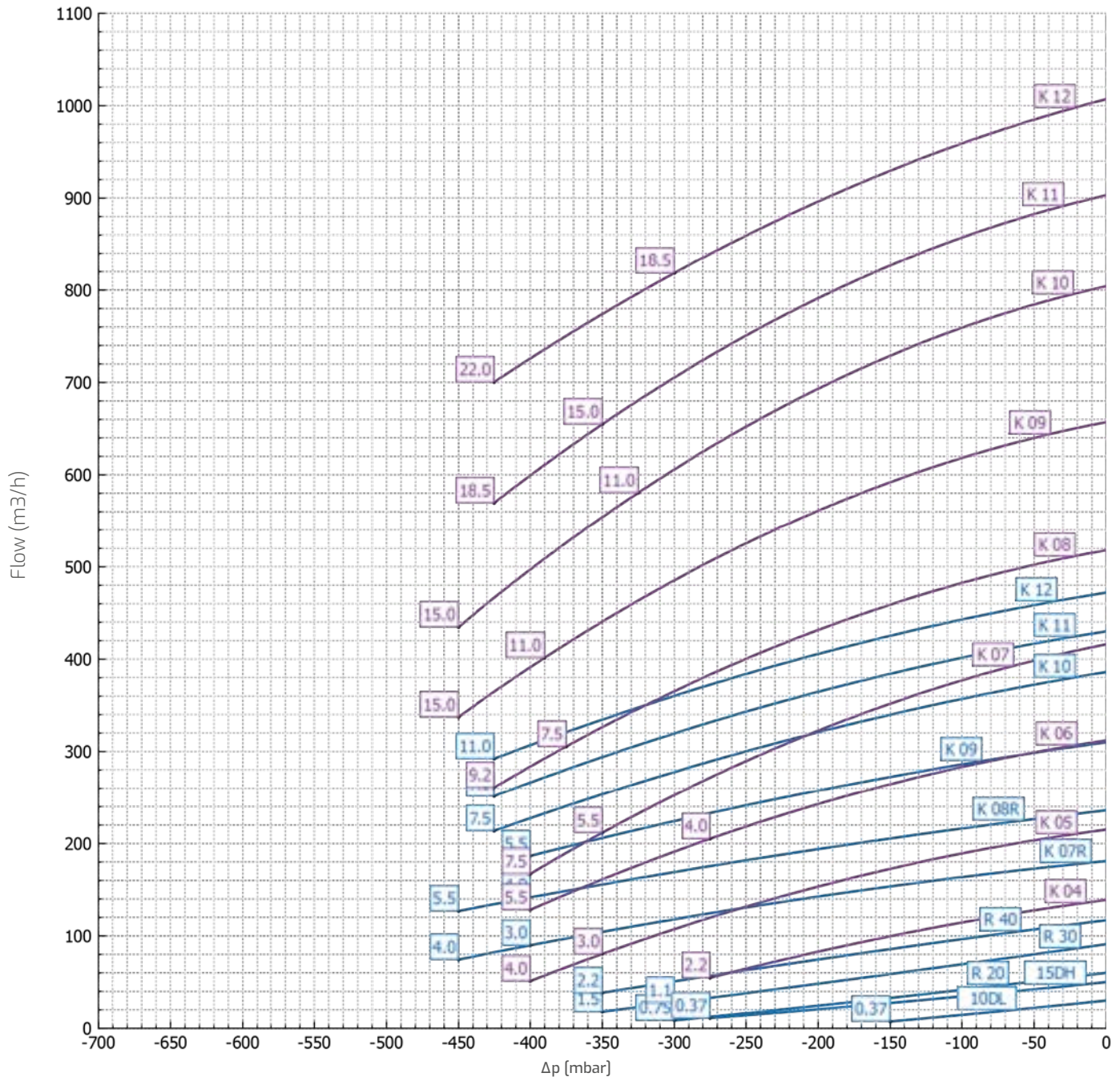
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Suction **50Hz**



Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

Side Channel Blowers

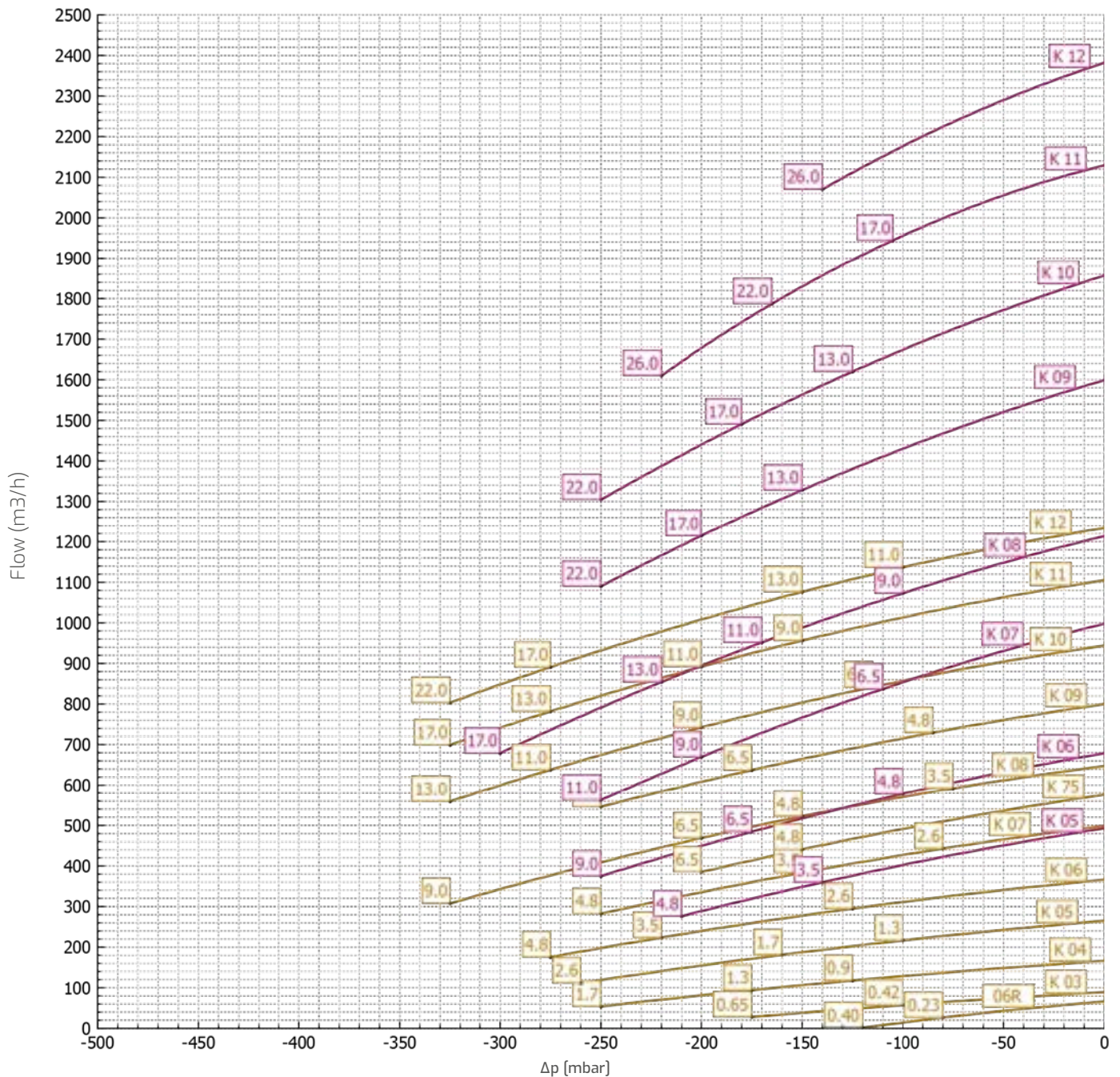
	Type	Flow Installed motor size															
		Max. flow		- 50 hPa (mbar)		- 100 hPa (mbar)		- 150 hPa (mbar)		- 200 hPa (mbar)		- 250 hPa (mbar)		- 300 hPa (mbar)		- 350 hPa (mbar)	
		m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW	m3/h	kW
MS	06R MS	66.0	0.23	43.6	0.23	15.7	0.40										
	K03 MS	89.0	0.42	74.3	0.42	57.4	0.42	38.3	0.65								
	K04 MS	166.0	0.90	148.6	0.90	128.6	0.90	106.2	1.30	81.4	1.70	54.0	1.70				
	K05 MS	265.0	1.30	242.4	1.30	216.5	1.30	187.3	1.70	154.9	2.60	119.2	2.60				
	K06 MS	366.0	2.60	340.7	2.60	311.2	2.60	277.6	3.50	239.8	3.50	197.9	4.80				
	K07 MS	499.0	2.60	465.4	2.60	426.9	3.50	383.5	3.50	335.3	4.80	282.3	4.80				
	K75 MS	576.0	4.80	536.4	4.80	491.3	4.80	440.8	4.80	384.9	6.50						
	K08 MS	647.0	3.50	611.7	3.50	570.3	4.80	522.7	4.80	468.9	6.50	409.0	9.00	342.9	9.00		
	K09 MS	800.0	4.80	760.5	4.80	715.4	6.50	664.6	6.50	608.1	9.00	546.0	9.00				
	K10 MS	944.0	6.50	904.2	6.50	857.3	6.50	803.4	9.00	742.5	9.00	674.5	11.00	599.4	13.00		
	K11 MS	1105.0	9.00	1062.8	9.00	1013.2	9.00	956.3	9.00	892.0	11.00	820.4	13.00	741.5	17.00		
	K12 MS	1234.0	11.00	1189.3	11.00	1136.7	11.00	1076.3	13.00	1008.1	17.00	932.0	17.00	848.1	22.00		
TS	K05 TS	493.0	3.50	450.5	3.50	402.3	3.50	348.4	4.80	288.7	4.80						
	K06 TS	679.0	4.80	632.0	4.80	578.1	4.80	517.3	6.50	449.5	9.00	374.9	9.00				
	K07 TS	998.0	6.50	930.8	6.50	853.6	6.50	766.6	9.00	669.6	9.00	562.7	11.00				
	K08 TS	1214.0	9.00	1148.0	9.00	1072.8	9.00	988.2	11.00	894.4	13.00	791.3	17.00	678.8	17.00		
	K09 TS	1599.0	13.00	1520.3	13.00	1430.0	13.00	1328.2	13.00	1214.9	17.00	1090.1	22.00				
	K10 TS	1857.0	13.00	1771.7	13.00	1673.8	13.00	1563.2	17.00	1440.1	22.00	1304.4	22.00				
	K11 TS	2129.0	17.00	2055.4	17.00	1955.7	17.00	1829.9	22.00	1678.0	26.00						
	K12 TS	2382.0	26.00	2289.9	26.00	2176.4	26.00										
MD	10DL MD	35.0	0.43	28.6	0.43	22.5	0.43	14.9	0.43								
	15DH MD	58.0	0.63	53.2	0.63	47.6	0.63	41.5	0.63	34.4	0.63	26.2	0.63				
	R20 MD	70.0	0.90	62.5	0.90	54.8	0.90	46.9	0.90	38.7	0.90	30.4	0.90	21.8	0.90	13.0	1.30
	R30 MD	110.0	1.30	100.7	1.30	91.1	1.30	81.3	1.30	71.2	1.30	60.9	1.30	50.4	1.30	39.6	1.70
	R40 MD	137.0	2.60	128.6	2.60	119.7	2.60	110.1	2.60	99.9	2.60	89.1	2.60	77.6	2.60	65.6	2.60
	K07R MD	218.0	3.50	211.7	3.50	204.4	3.50	196.1	3.50	186.6	3.50	176.1	3.50	164.6	3.50	152.0	3.50
	K08R MD	285.0	4.80	277.5	4.80	269.0	4.80	259.7	4.80	249.4	4.80	238.3	4.80	226.2	4.80	213.2	6.50
	K09 MD	374.0	6.50	366.2	6.50	356.6	6.50	345.2	6.50	332.1	6.50	317.2	6.50	300.5	6.50	282.0	6.50
	K10 MD	466.0	9.00	454.0	9.00	440.6	9.00	425.6	9.00	409.0	9.00	391.0	9.00	371.4	9.00	350.3	9.00
	K11 MD	519.0	9.00	507.2	9.00	493.7	9.00	478.6	9.00	461.7	9.00	443.2	9.00	423.1	9.00	401.2	11.00
	K12 MD	570.0	13.00	562.1	13.00	551.1	13.00	537.0	13.00	520.0	13.00	499.8	13.00	476.7	13.00	450.4	13.00
TD	K05 TD	259.0	3.50	249.5	3.50	237.9	3.50	224.1	3.50	208.2	3.50	190.1	3.50	169.9	3.50	147.6	4.80
	K06 TD	376.0	4.80	365.3	4.80	352.3	4.80	336.8	4.80	319.0	4.80	298.7	6.50	276.1	6.50	251.1	6.50
	K07 TD	502.0	6.50	487.9	6.50	470.4	6.50	449.6	6.50	425.4	6.50	397.8	6.50	366.9	6.50	332.6	9.00
	K08 TD	625.0	9.00	612.0	9.00	595.8	9.00	576.3	9.00	553.7	9.00	527.8	9.00	498.8	9.00	466.5	11.00
	K09 TD	793.0	13.00	779.8	13.00	762.5	13.00	741.1	13.00	715.6	13.00	686.0	13.00	652.2	13.00	614.4	17.00
	K10 TD	970.0	13.00	953.7	13.00	932.9	13.00	907.7	13.00	878.1	13.00	844.1	13.00	805.7	17.00	762.9	17.00
	K11 TD	1089.0	17.00	1071.6	17.00	1050.2	17.00	1024.9	17.00	995.7	17.00	962.5	17.00	925.3	22.00	884.2	22.00
	K12 TD	1216.0	22.00	1199.2	22.00	1178.4	22.00	1153.6	22.00	1124.7	22.00	1091.9	26.00	1055.1	26.00	1014.2	26.00

					Δp max	Q @ Δp max	P @ Δp max
-400 hPa (mbar)		- 450 hPa (mbar)					
	m3/h	kW	m3/h	kW	mbar	m³/h	kW
					-120.0	0	0.40
					- 175.0	28.0	0.65
					- 250.0	54.0	1.70
					- 260.0	111.6	2.60
					- 275.0	175.3	4.80
					- 250.0	282.3	4.80
					- 200.0	384.9	6.50
					- 325.0	307.5	9.00
					- 250.0	546.0	9.00
					- 325.0	559.3	13.00
					- 325.0	699.2	17.00
					- 325.0	803.2	22.00
					- 210.0	276.1	4.80
					- 250.0	374.9	9.00
					- 250.0	562.7	11.00
					- 300.0	678.8	17.00
					- 250.0	1090.1	22.00
					- 250.0	1304.4	22.00
					- 220.0	1610.0	26.00
					- 140.0	2070.1	26.00
					-175.0	11.2	0.43
					-275.0	22.1	0.63
					- 350.0	13.0	1.30
					- 375.0	34.2	1.70
					- 375.0	59.3	2.60
	138.3	3.50	123.6	4.80	- 450.0	123.6	4.80
	199.4	6.50	184.6	6.50	- 450.0	184.6	6.50
	261.8	6.50			- 425.0	251.0	6.50
	327.7	9.00			- 425.0	315.8	9.00
	377.7	11.00			- 425.0	365.3	11.00
	421.2	13.00			- 425.0	405.4	13.00
	123.0	4.80			- 400.0	123.0	4.80
	223.7	9.00			- 400.0	223.7	9.00
	295.0	9.00			- 400.0	287.0	9.00
	431.0	11.00			- 425.0	412.0	11.00
	572.4	17.00	526.3	17.00	- 475.0	501.7	17.00
	715.6	22.00	664.0	22.00	- 450.0	664.0	22.00
	839.2	22.00			- 400.0	839.2	22.00
					- 350.0	1014.2	26.00

Side Channel Blowers

MS TS

Suction **60Hz**



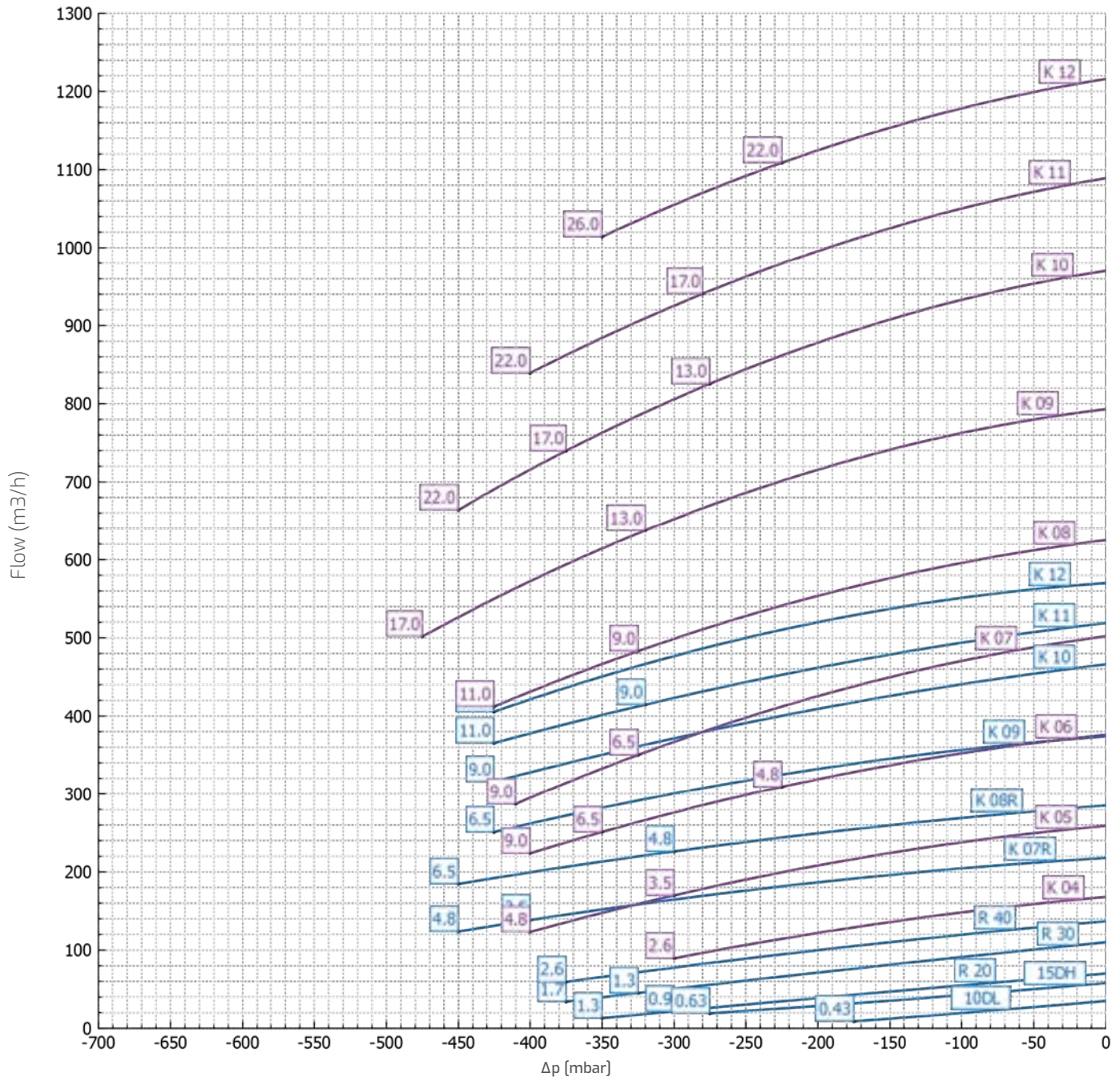
Static differential pressure (mbar)

Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

MD TD

Suction **60Hz**



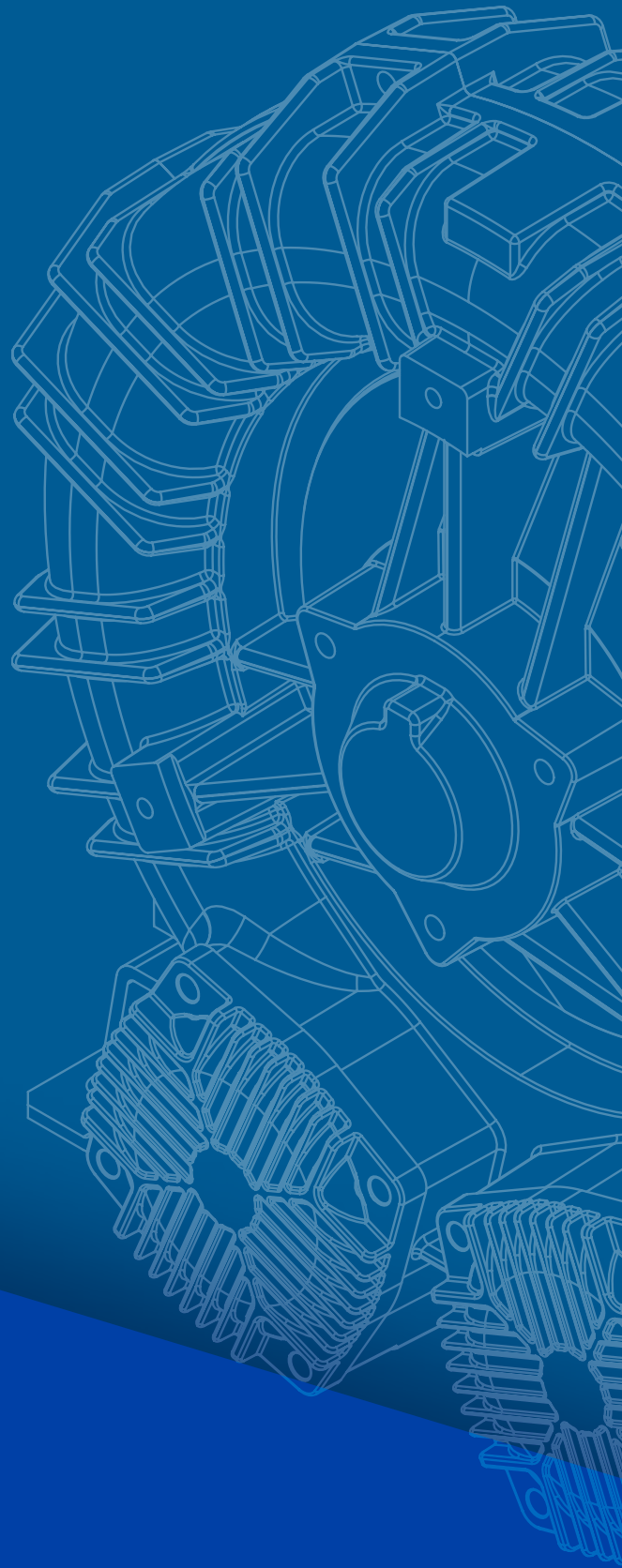
Static differential pressure (mbar)

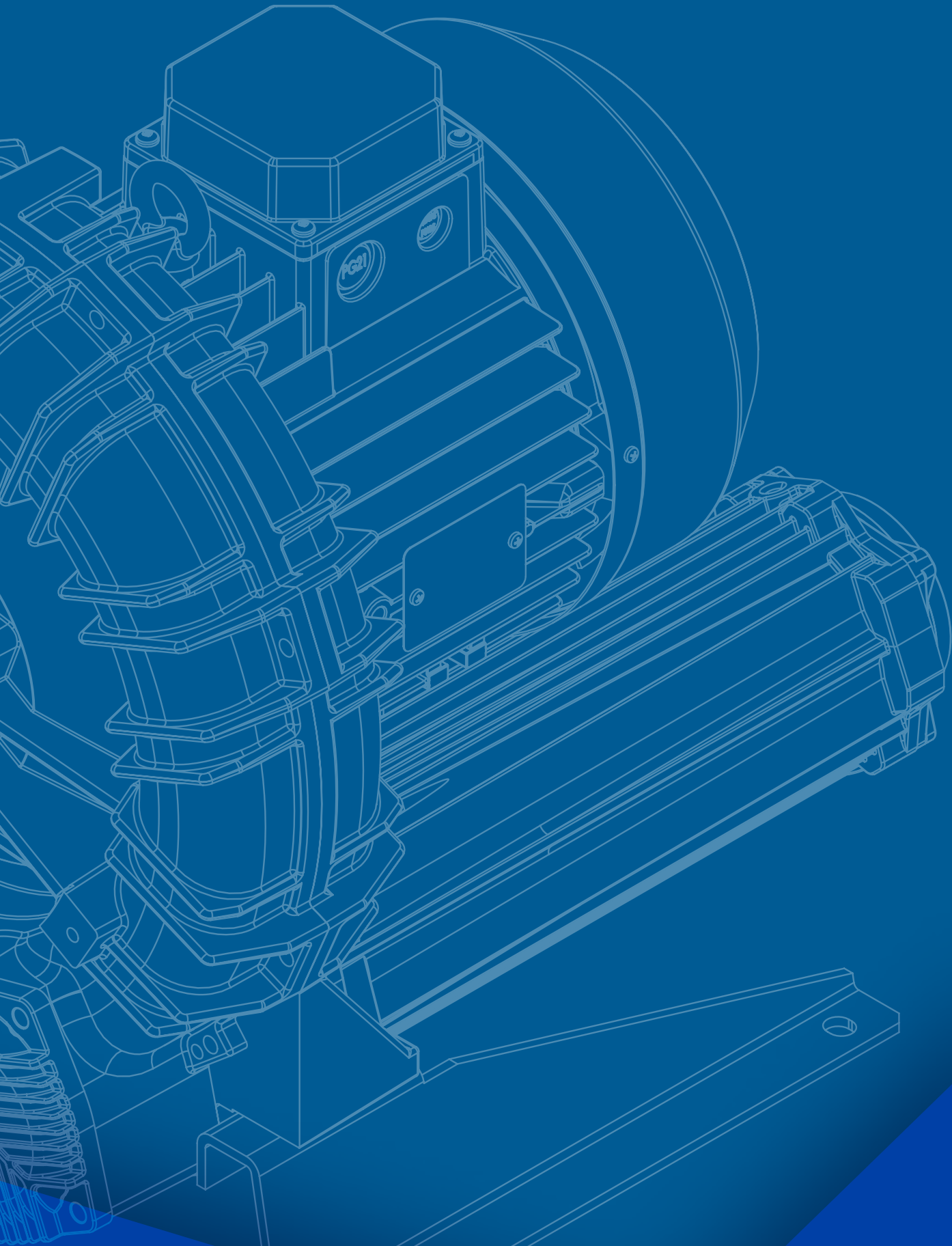
Tolerance on indicated values +/- 10%. Specifications subject to change without notice.

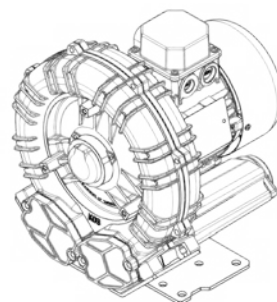
Curves refer to air at 20°C and 1013 mbar (abs) atmospheric pressure.

IE3 Wide Range cURus

Data sheet







Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]

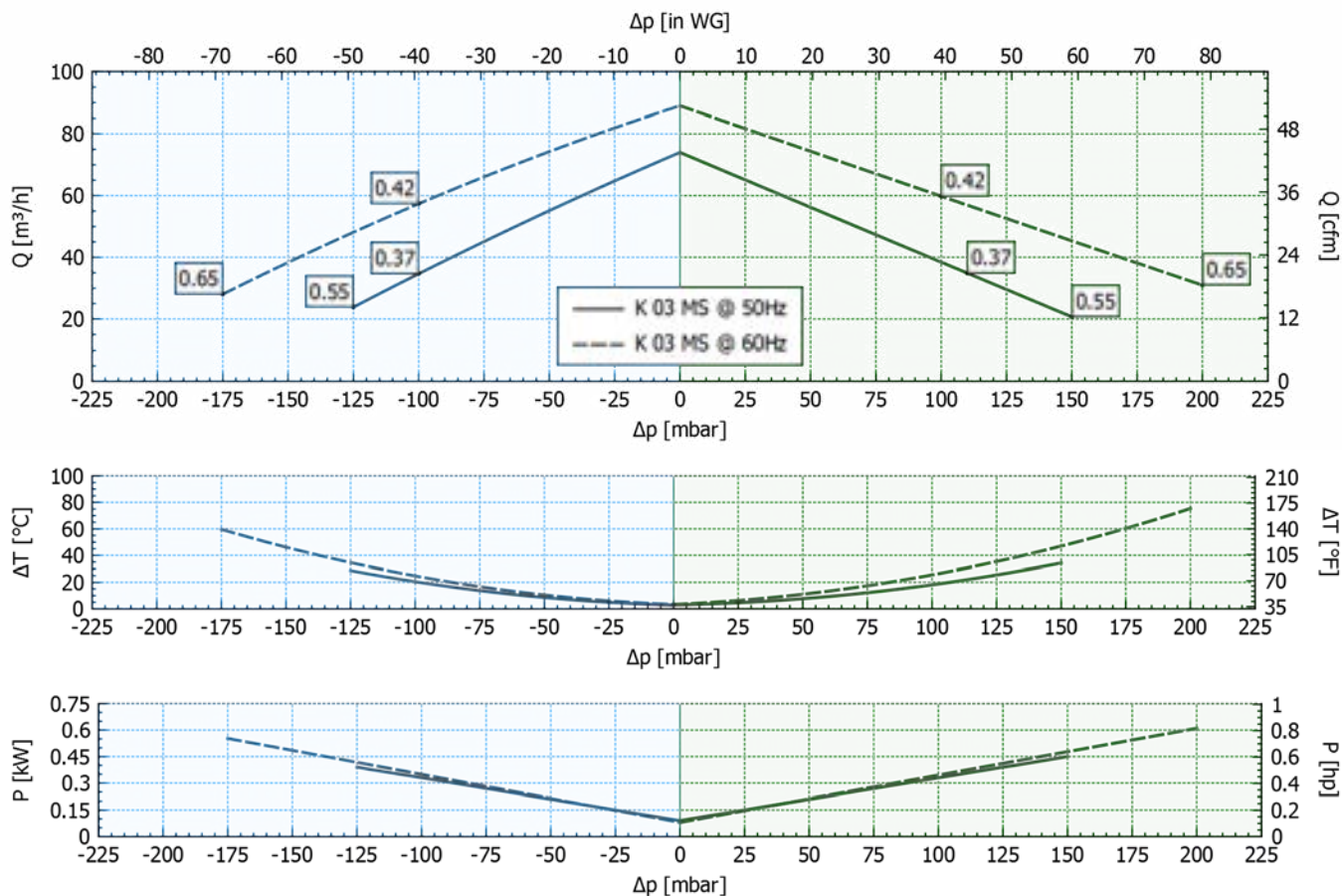
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.37	50	100	110	74	58.7	11	245	1.07 / 1.85	1.03-1.13 / 1.78-1.96	0.67	2830
0.42	60	100	100	89	60.7	11	245	1.02 / 1.77	1.02-1.06 / 1.77-1.84	0.68	3430
0.55	50	125	150	74	58.7	12	245	1.44 / 2.49	1.43-1.50 / 2.48-2.60	0.70	2855
0.65	60	175	200	89	60.7	12	245	1.39 / 2.41	1.47-1.43 / 2.55-2.48	0.73	3450

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

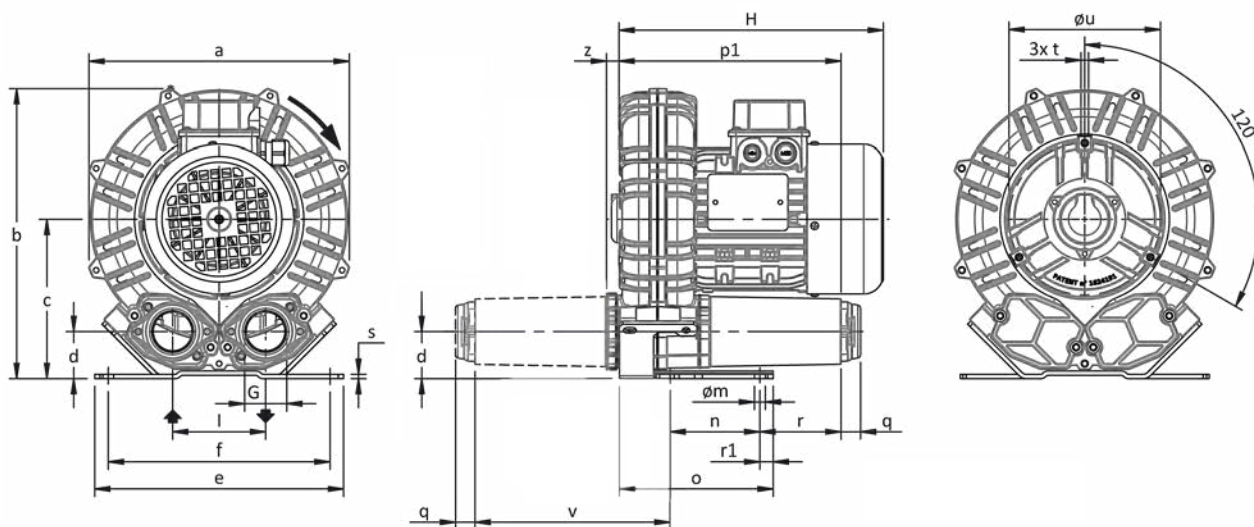
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
241	268	147	43	-	230	205	G 1" 1/4	86	-	-	10	83	142	205	140	18	75	12.5	4	M6	140	180	-	106	-	12

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

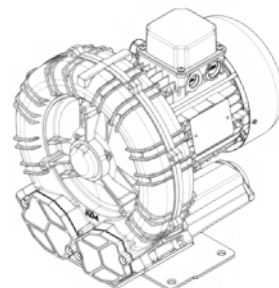
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

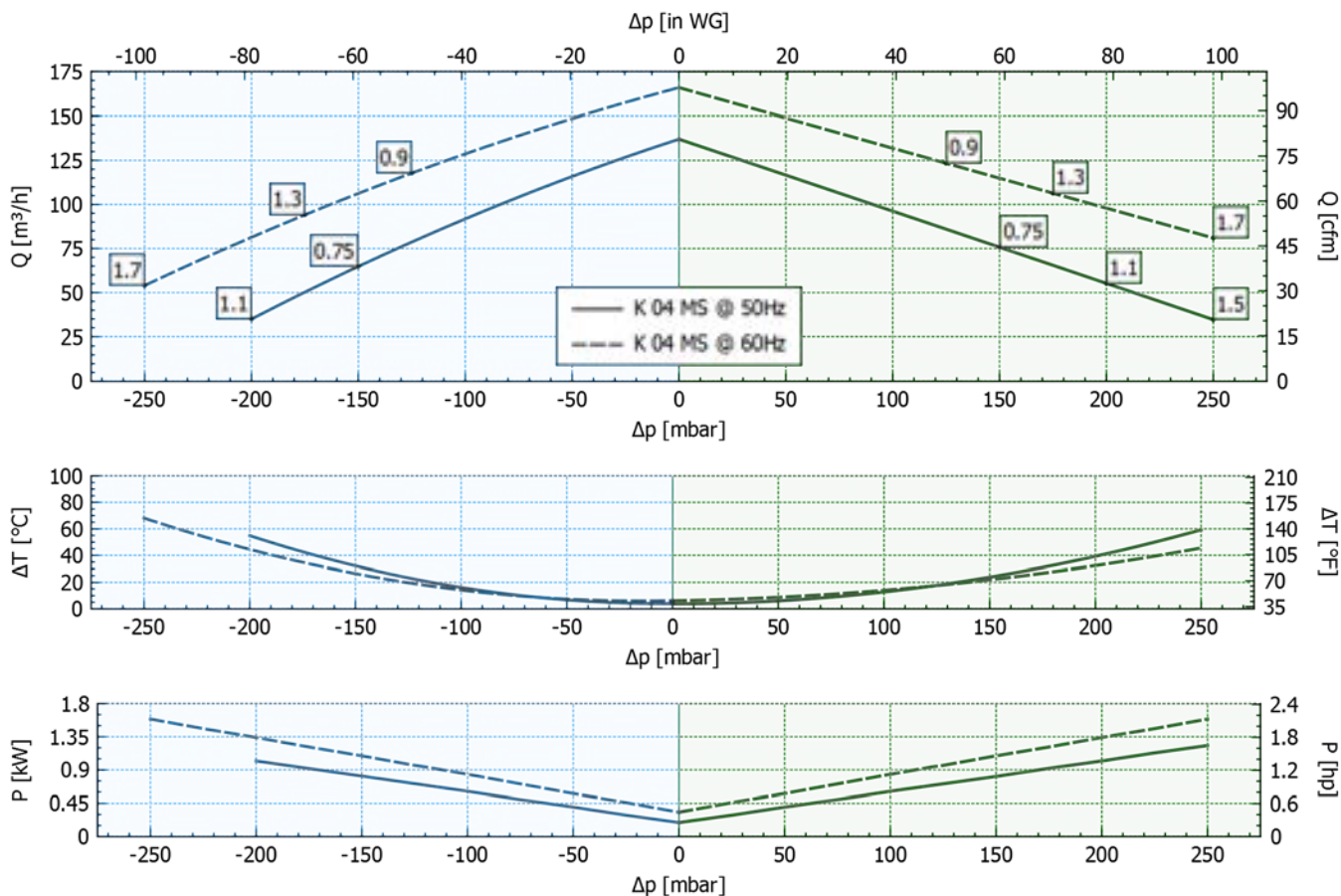
P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.75	50	150	150	137	61.6	16.5	285	1.67 / 2.89	3.08-2.91 / 1.78-1.68	0.79	2890
0.9	60	125	125	166	63.6	16.5	285	1.69 / 2.93	3.31-2.91 / 1.91-1.68	0.82	3465
1.1	50	200	200	137	61.6	18.2	285	2.33 / 4.04	2.56-2.32 / 4.43-4.02	0.82	2880
1.3	60	175	175	166	63.6	18.2	285	2.32 / 4.02	2.69-2.30 / 4.66-3.98	0.84	3475
1.5	50	-	250	137	61.6	21.5	310	3.20 / 5.54	3.43-3.24 / 5.94-5.61	0.80	2905
1.7	60	250	250	166	63.6	21.5	310	3.07 / 5.32	3.49-3.07 / 6.04-5.32	0.81	3505

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

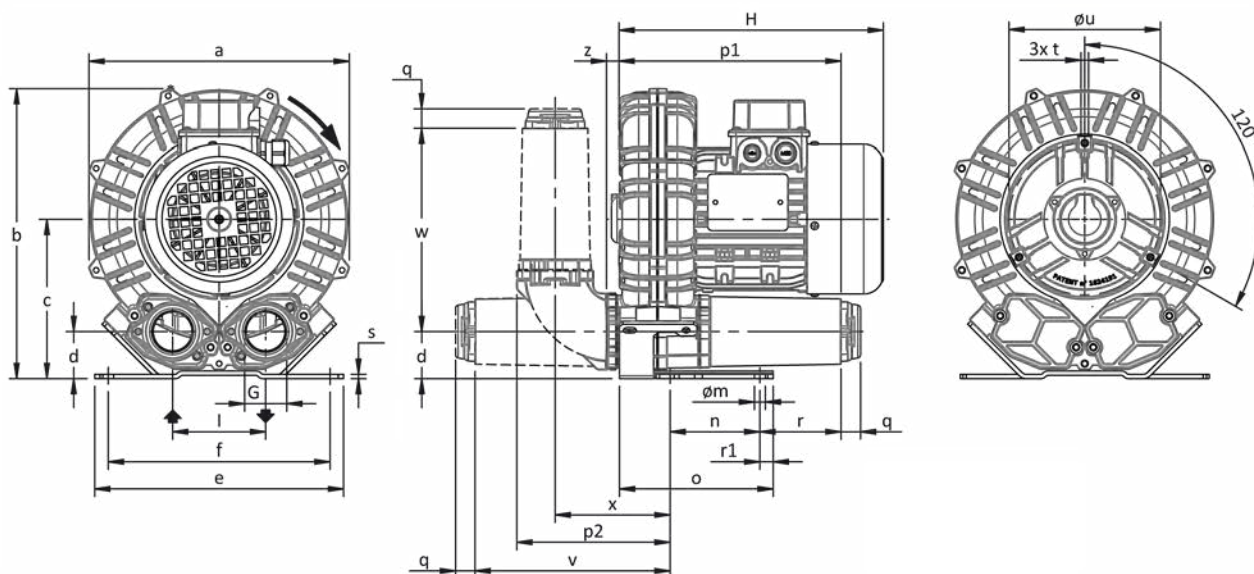


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
285	315	172	49	-	255	225	G 1" 1/2	102	-	-	12	95	171	222	160	18	70	15	4	M6	175	195	188	120	-	18

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

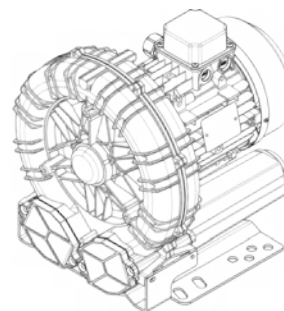
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



Performance Table

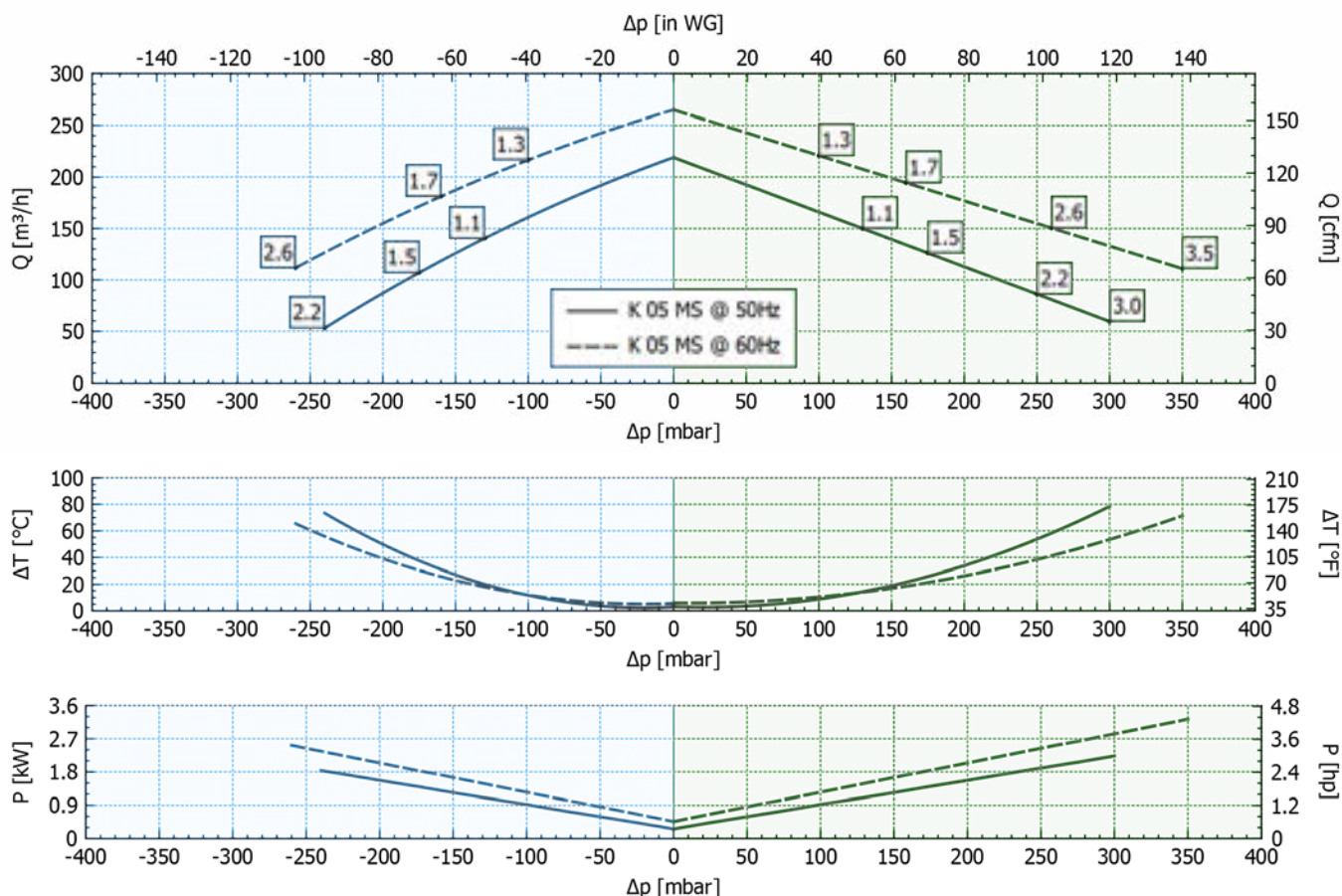
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
1.1	50	130	130	219	67.2	25.5	295	2.63 / 4.56	2.60-2.76 / 4.50-4.78	0.72	2930
1.3	60	100	100	265	69.2	25.5	295	2.56 / 4.43	2.73-2.60 / 4.73-4.50	0.75	3530
1.5	50	175	175	219	67.2	25.5	295	3.20 / 5.54	3.43-3.24 / 5.94-5.61	0.80	2905
1.7	60	160	160	265	69.2	25.5	295	3.07 / 5.32	3.49-3.07 / 6.04-5.32	0.81	3505
2.2	50	240	250	219	67.2	27.5	320	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	260	260	265	69.2	27.5	320	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	-	300	219	67.2	34.5	365	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	-	350	265	69.2	34.5	365	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

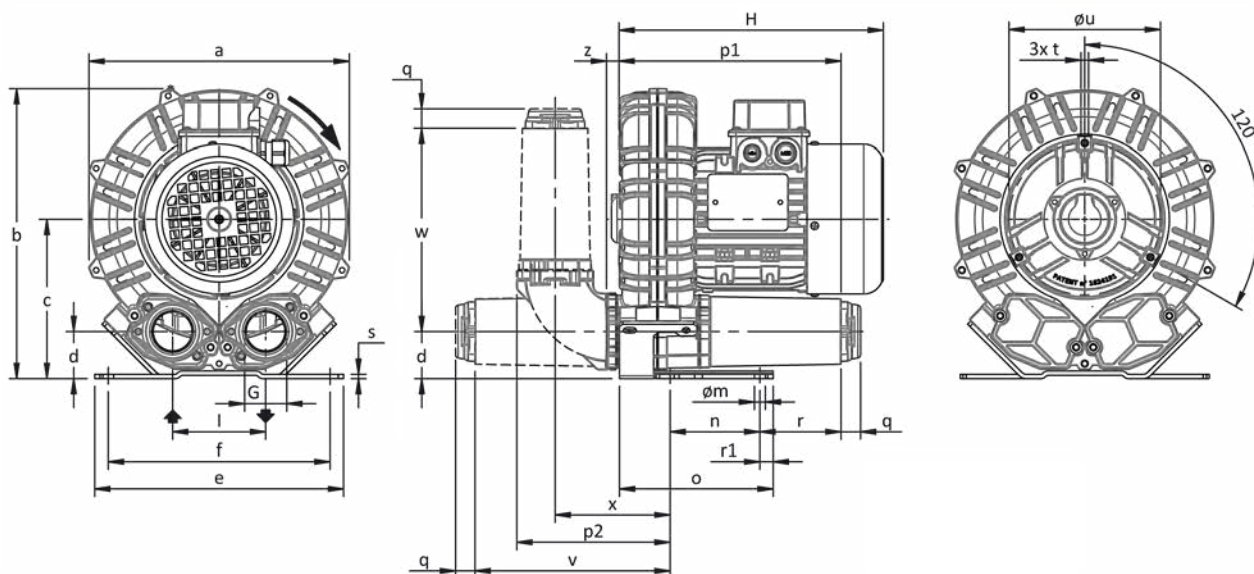


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm

NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	365	200	54	-	325	260	G 2"	120	-	-	15	115	265	320	230	18	98	38.5	4	M8	200	330	285	184	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

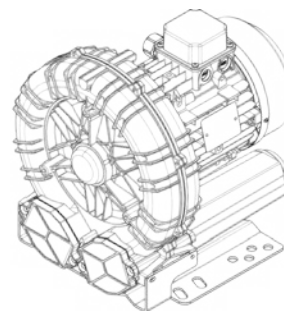
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



Performance Table

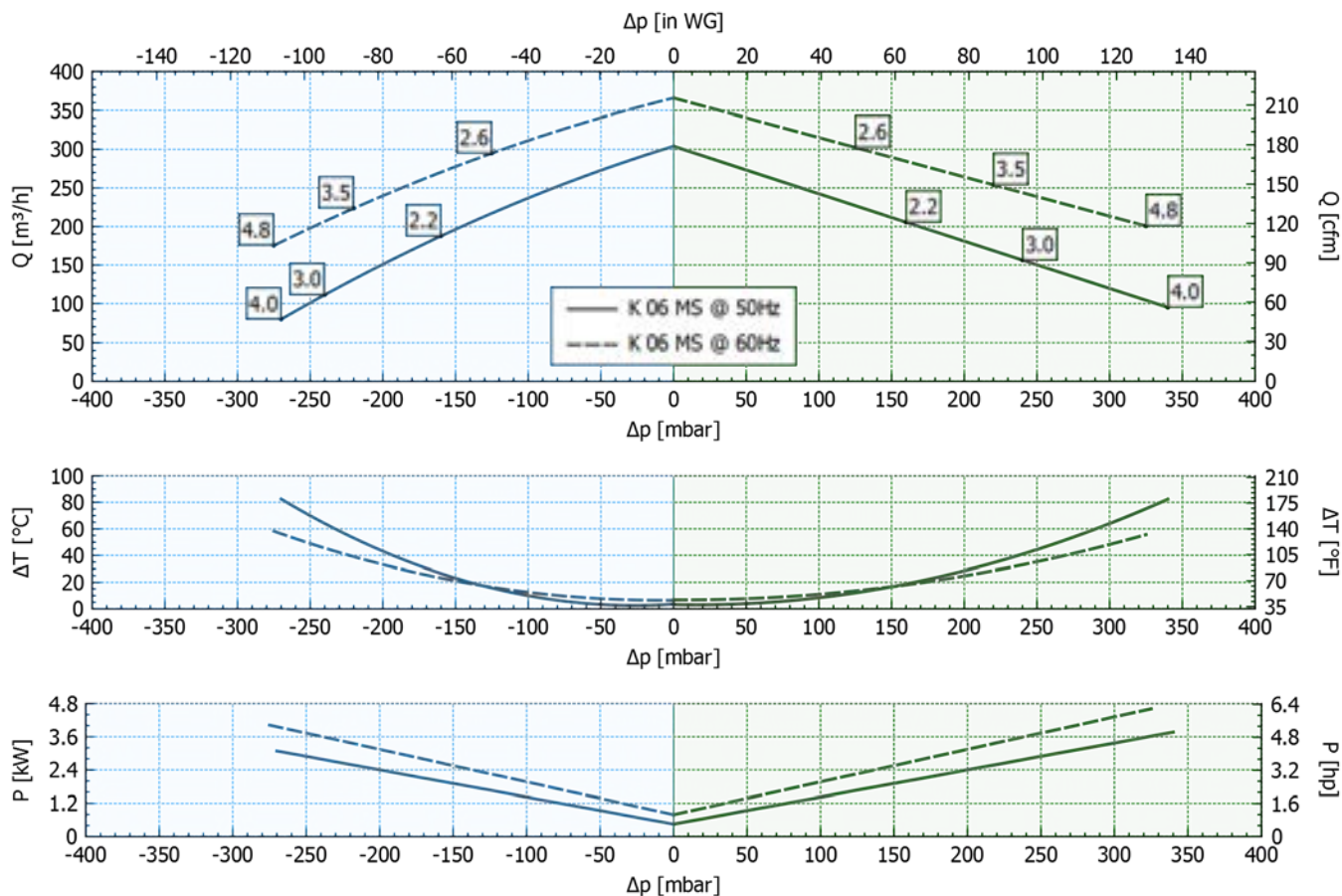
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	160	160	304	70	31	350	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	125	125	366	72	31	350	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	240	240	304	70	37	360	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	220	220	366	72	37	360	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	270	340	304	70	38.5	380	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	275	325	366	72	38.5	380	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

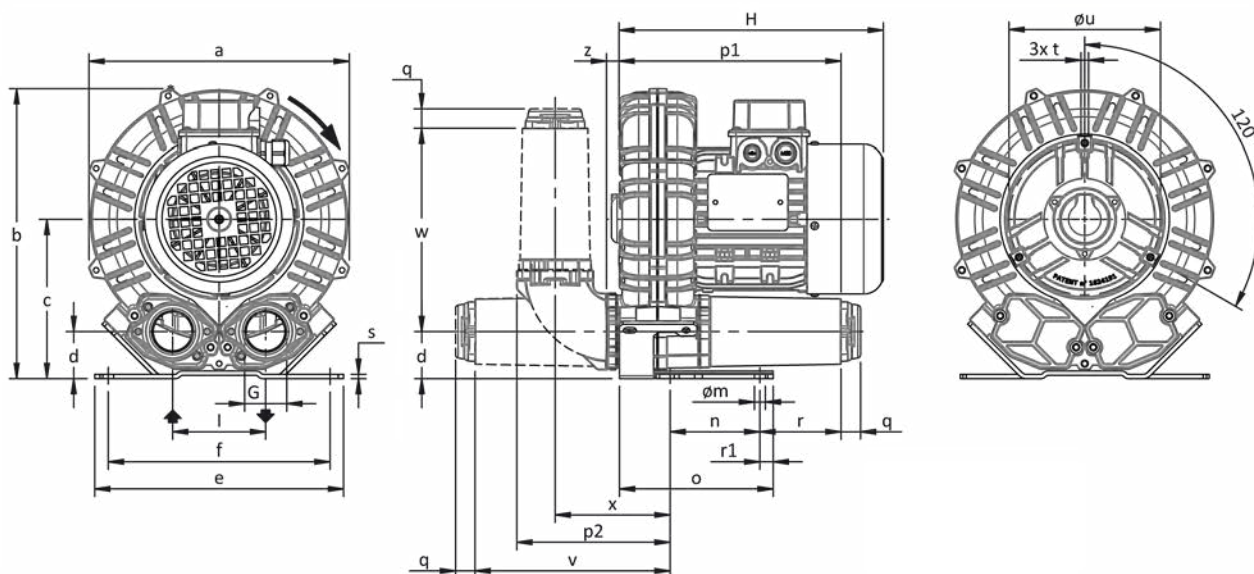


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

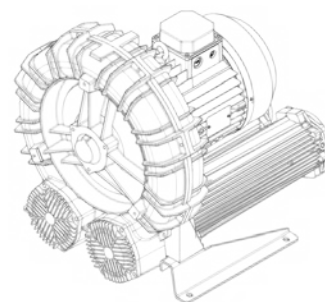
Dimensions in mm

NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
376	393	205	54	-	325	290	G 2"	125	-	-	15	140	265	334	244	18	85	19	4	M8	240	332	285	198	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

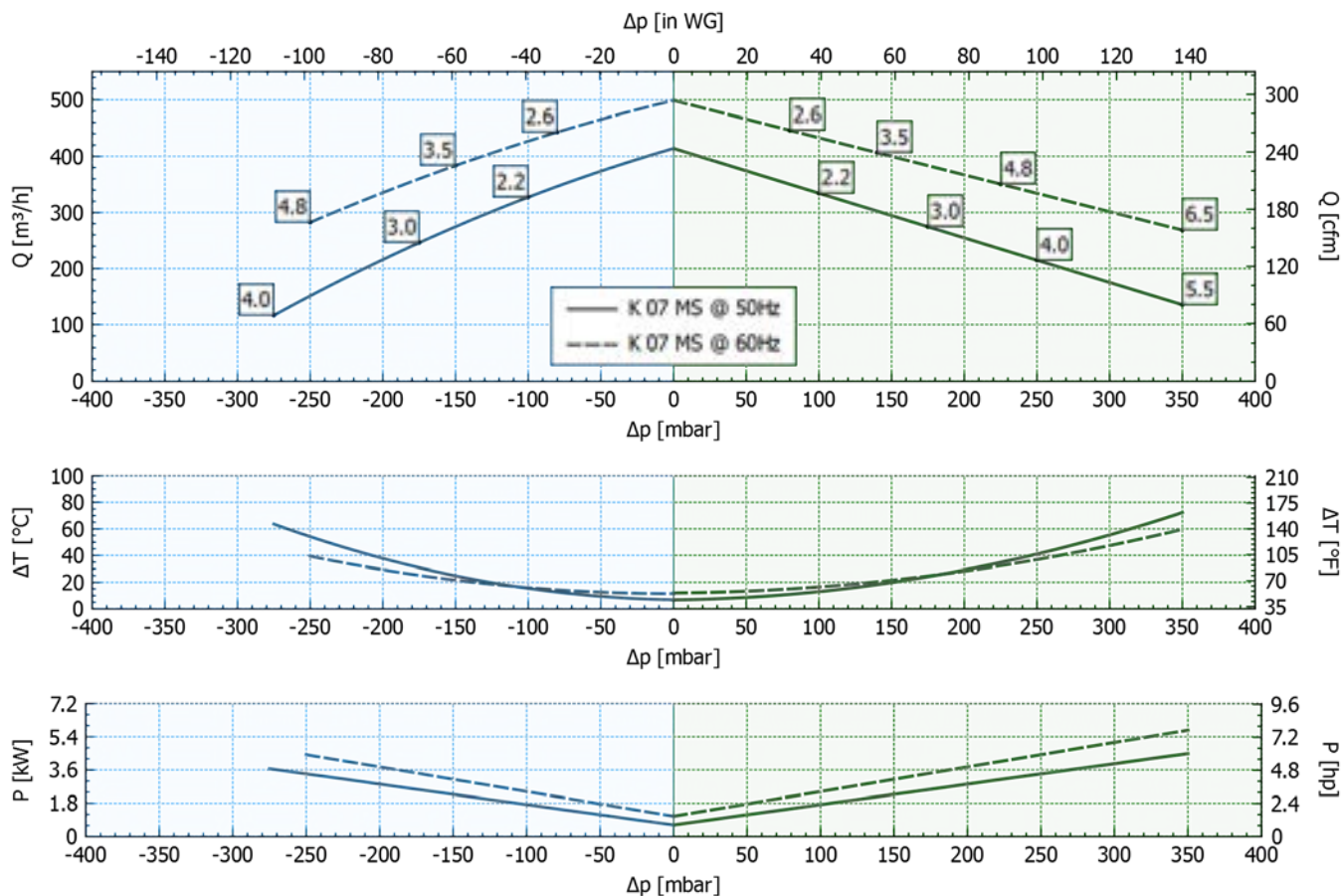
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	100	100	414	75.4	46.5	388	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	80	80	499	77.4	46.5	388	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495
3	50	175	175	414	75.4	52.5	400	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	150	140	499	77.4	52.5	400	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	275	250	414	75.4	53.7	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	250	225	499	77.4	53.7	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	-	350	414	75.4	67.3	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	-	350	499	77.4	67.3	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

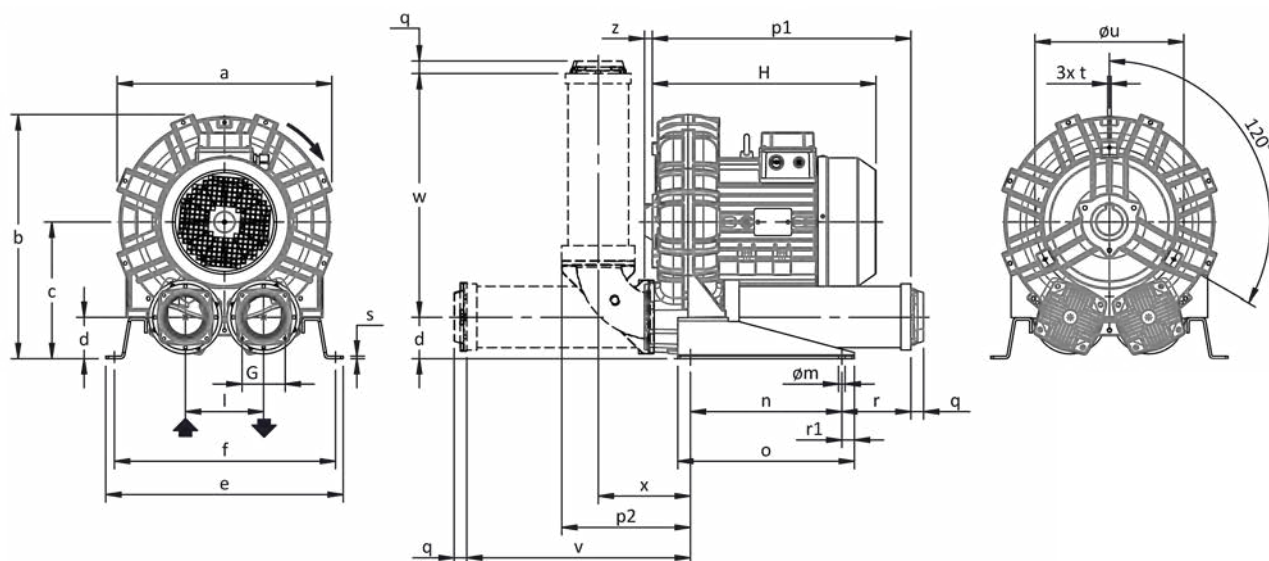
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



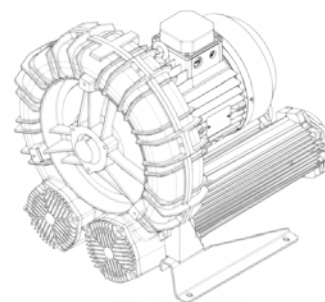
Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	I	I1	I2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
424	481	269	82	-	470	438	G 3"	155	-	-	13	300	350	512	255	25	137	25	5	M8	295	443	481	183	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

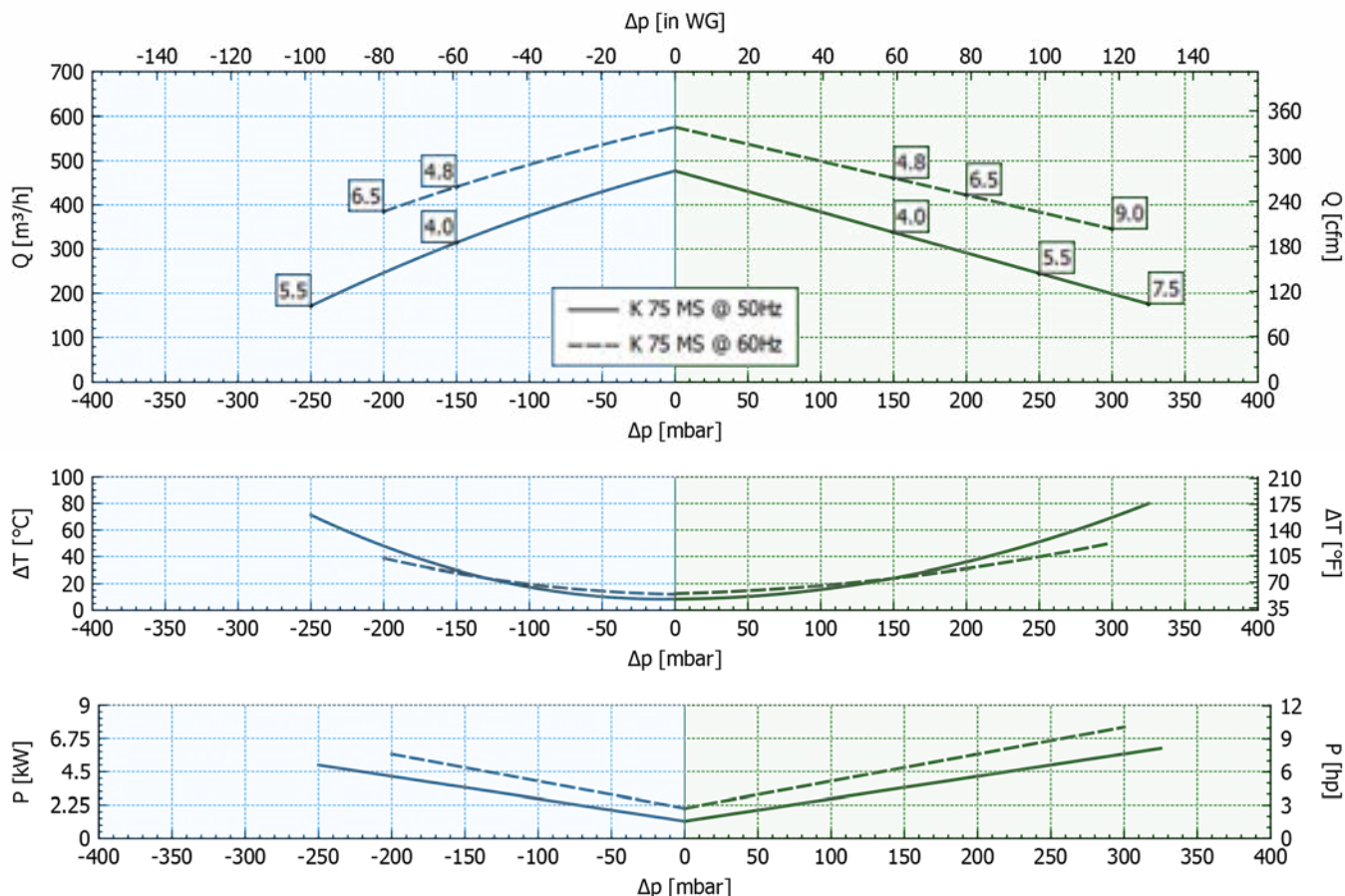
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	150	150	477	76.4	52.5	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	150	150	576	78.4	52.5	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	250	250	477	76.4	66	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	200	200	576	78.4	66	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	325	477	76.4	71	445	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	-	300	576	78.4	71	445	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

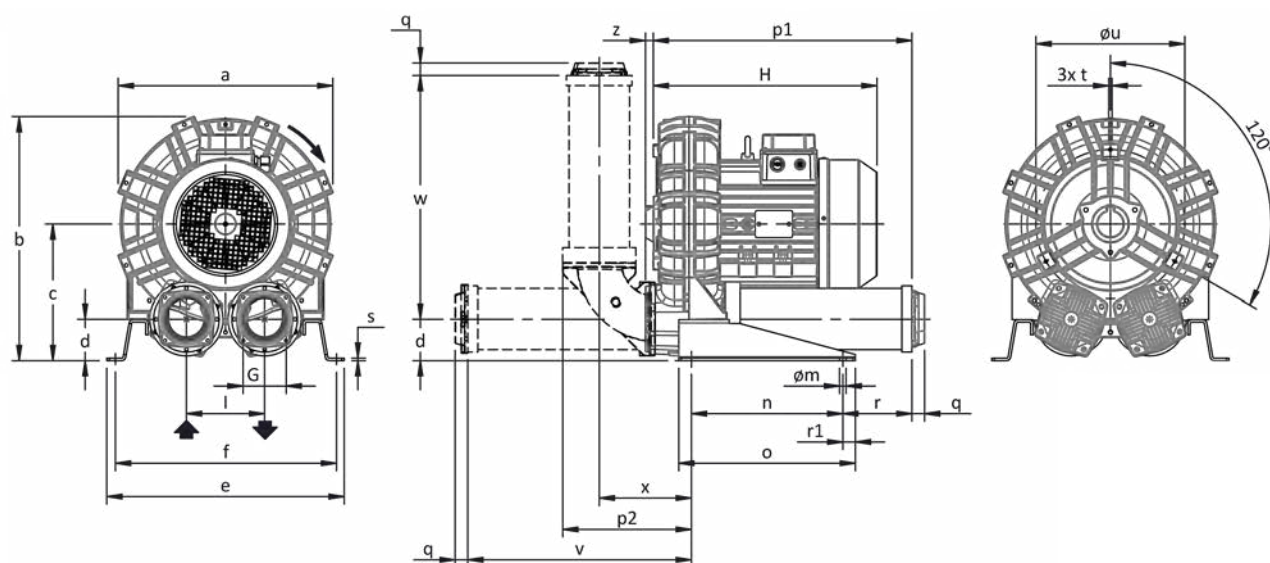
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



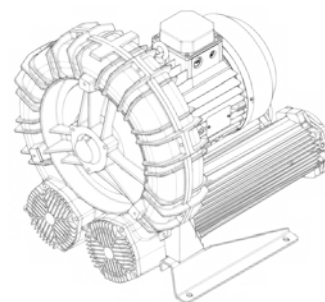
Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	I	I1	I2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
424	481	269	82	-	470	438	G 3"	155	-	-	13	300	350	512	255	25	137	25	5	M8	295	443	481	183	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

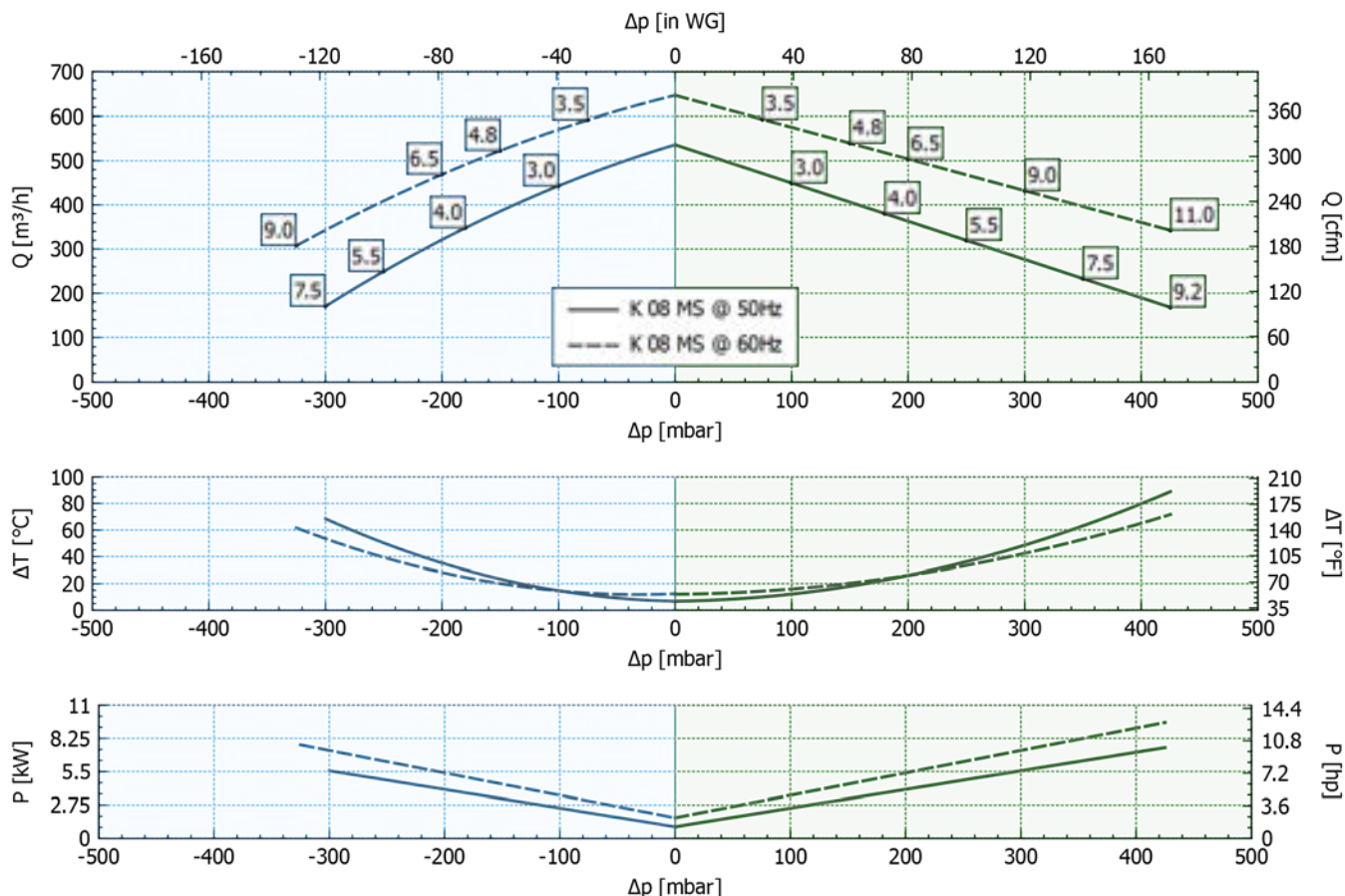
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	100	100	536	76.5	55.3	400	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	75	75	647	78.5	55.3	400	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	180	180	536	76.5	56.5	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	150	150	647	78.5	56.5	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	250	250	536	76.5	70	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	200	200	647	78.5	70	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	300	350	536	76.5	75	445	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	325	300	647	78.5	75	445	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	425	536	76.5	80	485	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	425	647	78.5	80	485	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

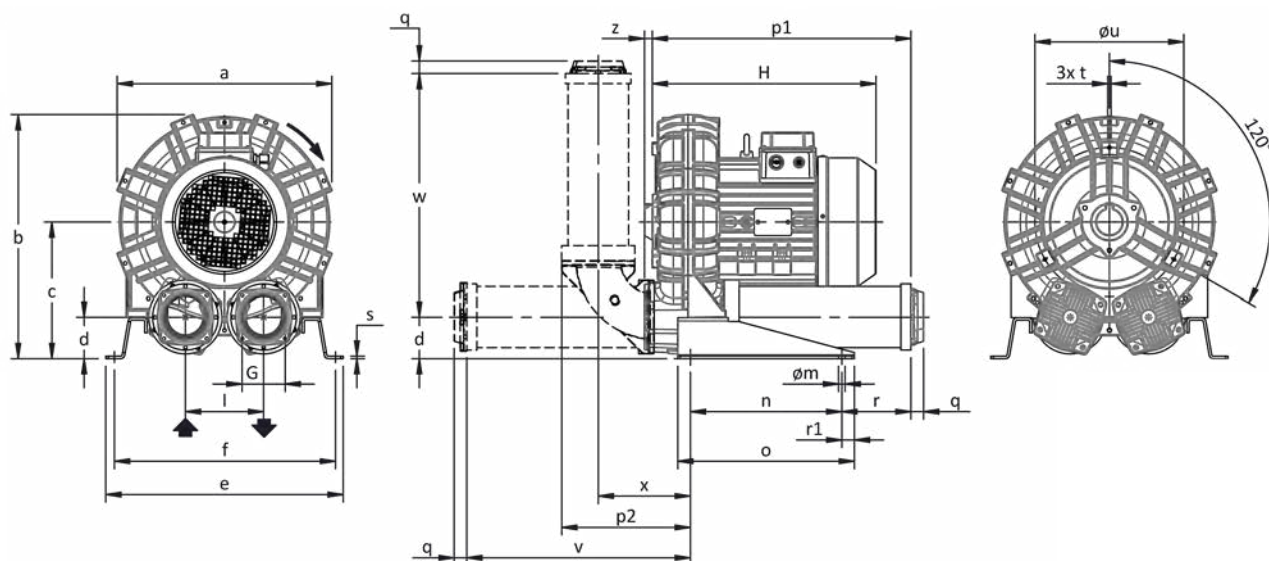
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	I	I1	I2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
457	498	269	82	-	480	448	G 3"	155	-	-	13	300	350	512	255	25	137	25	5	M8	310	443	481	183	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

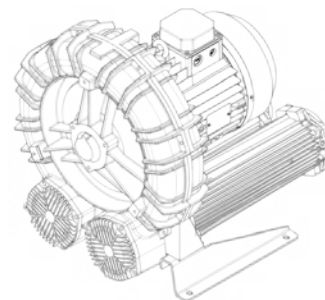
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



Performance Table

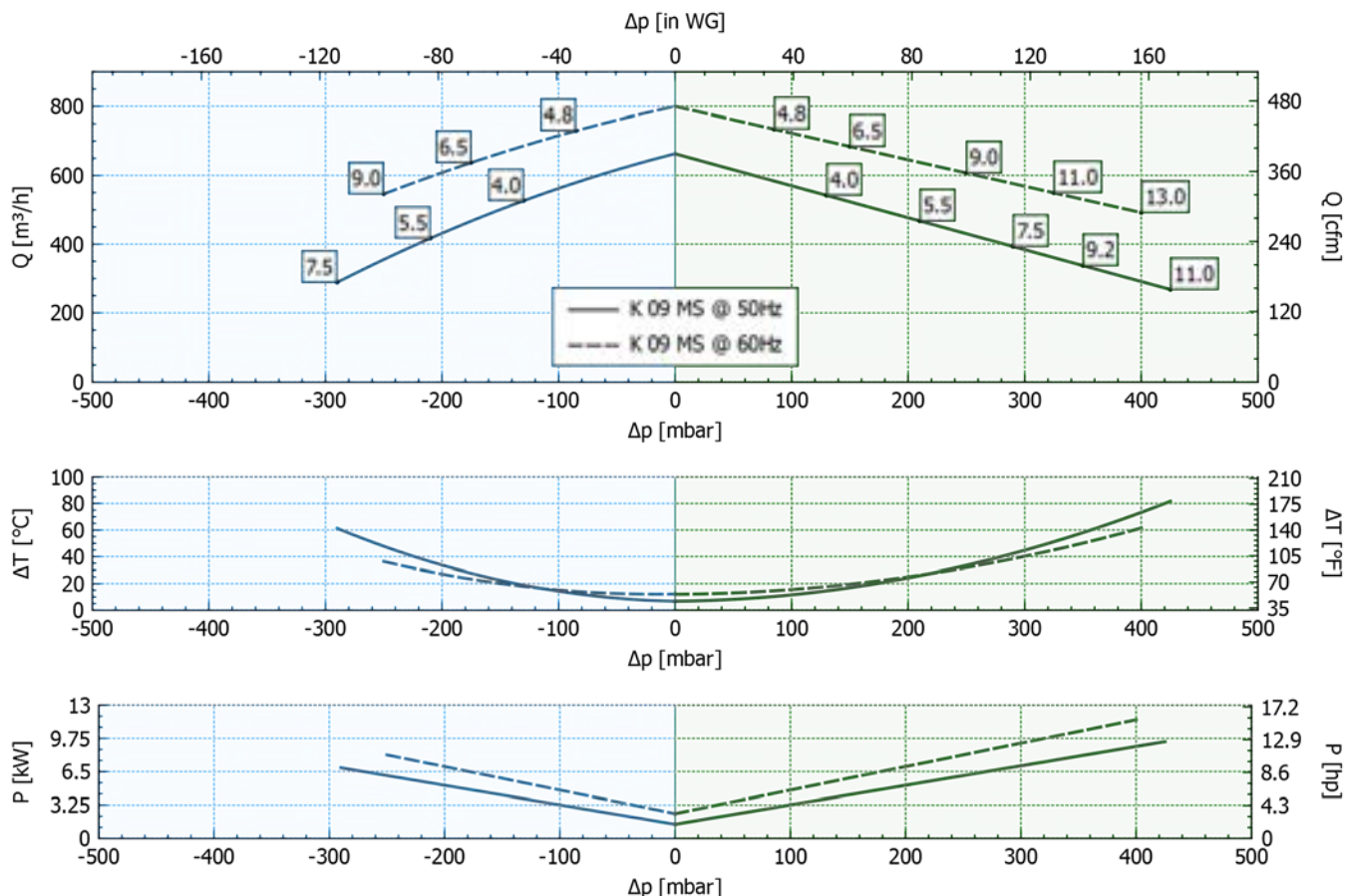
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	130	130	663	77.1	65.5	425	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	85	85	800	79.1	65.5	425	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	210	210	663	77.1	79	455	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	175	150	800	79.1	79	455	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	290	290	663	77.1	84	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	250	250	800	79.1	84	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	350	663	77.1	89	495	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	325	800	79.1	95.5	495	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	425	663	77.1	95.5	495	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	400	800	79.1	95.5	495	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

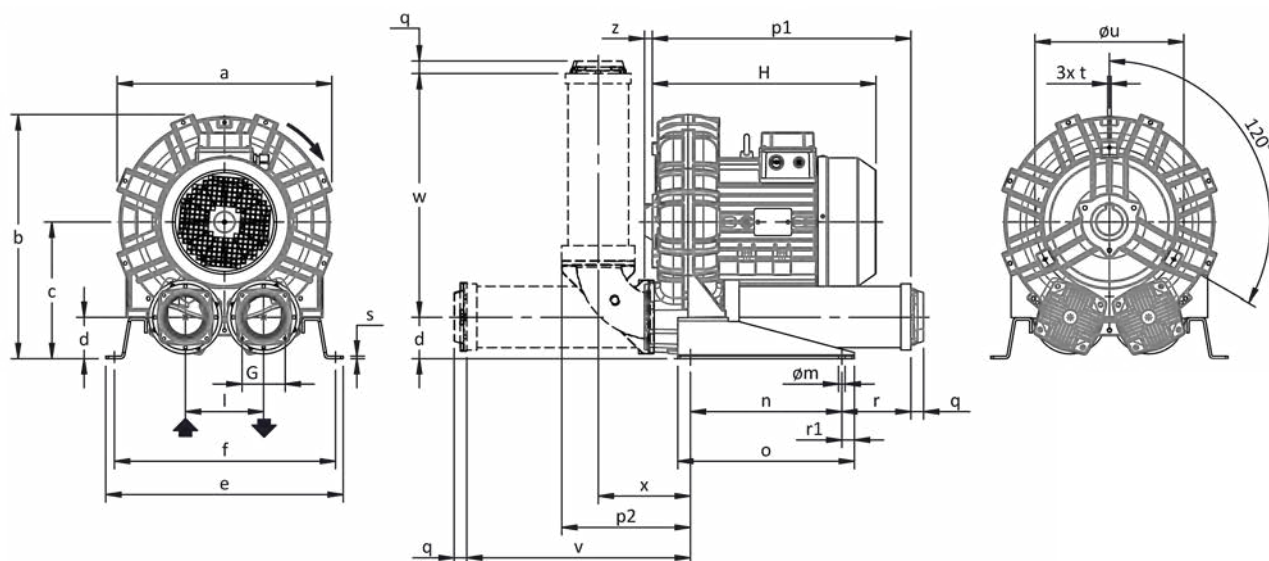


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



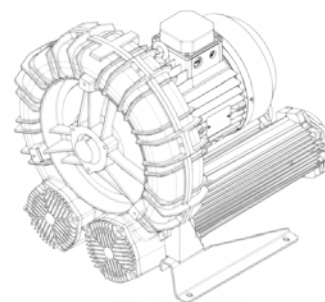
Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	I	I1	I2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
492	561	315	96	-	510	478	G 4"	182	-	-	13	300	350	586	300	25	199	25	5	M8	360	505	556	215	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]

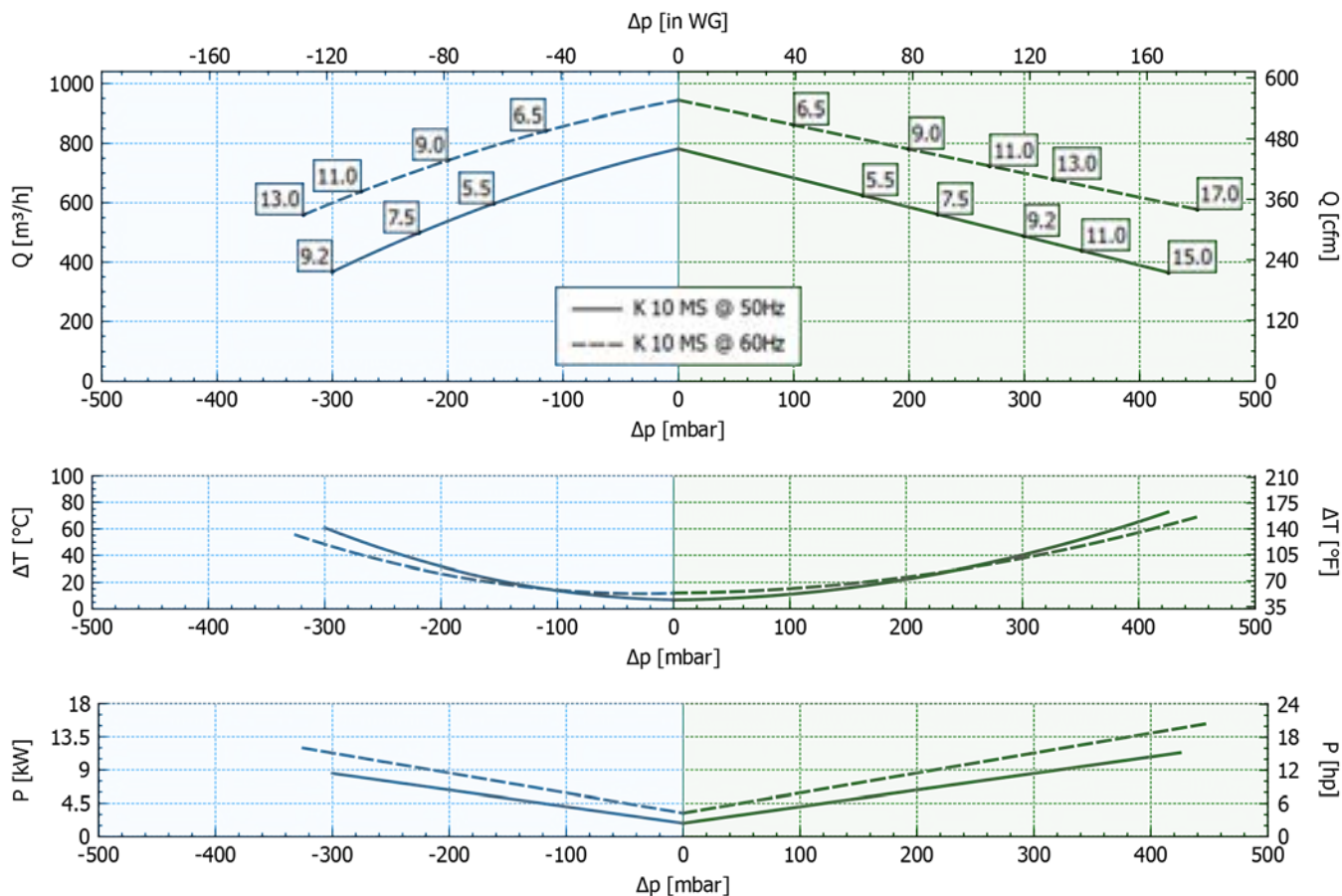
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	160	160	782	77.4	80.5	455	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	115	100	944	79.4	80.5	455	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	225	225	782	77.4	85.5	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	200	200	944	79.4	85.5	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	300	300	782	77.4	90.5	495	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	275	270	944	79.4	97	495	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	350	782	77.4	97	495	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	325	325	944	79.4	97	495	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	425	782	77.4	114	570	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	-	450	944	79.4	114	570	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. See figure "dimensions" at following page.

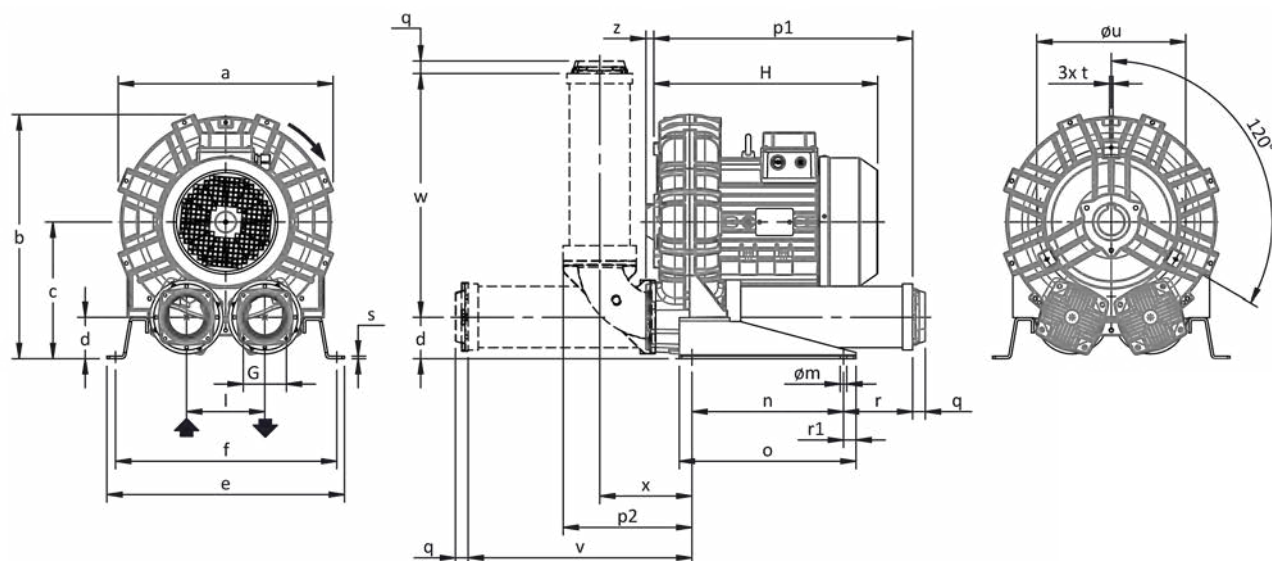
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



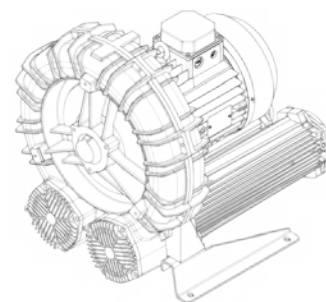
Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
516	573	315	96	-	510	478	G 4"	182	-	-	13	300	350	586	300	25	199	25	5	M8	360	505	556	215	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]

Performance Table

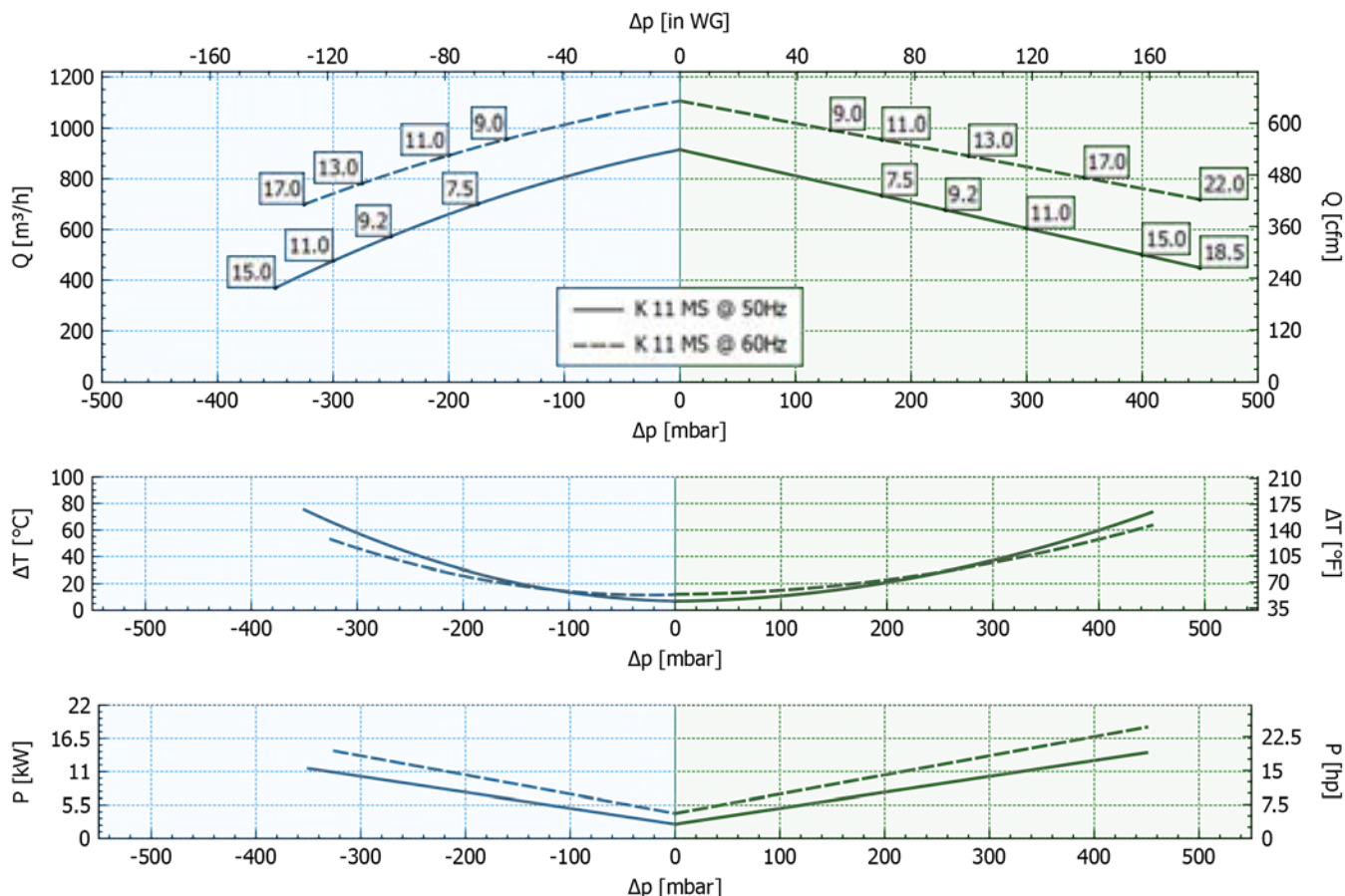
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	175	175	915	80	90.5	460	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	150	130	1105	82	90.5	460	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	250	230	915	80	95.5	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	200	175	1105	82	102	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	300	300	915	80	102	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	275	250	1105	82	102	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	350	400	915	80	119	575	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	325	350	1105	82	119	575	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	450	915	80	138.5	635	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	450	1105	82	138.5	635	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

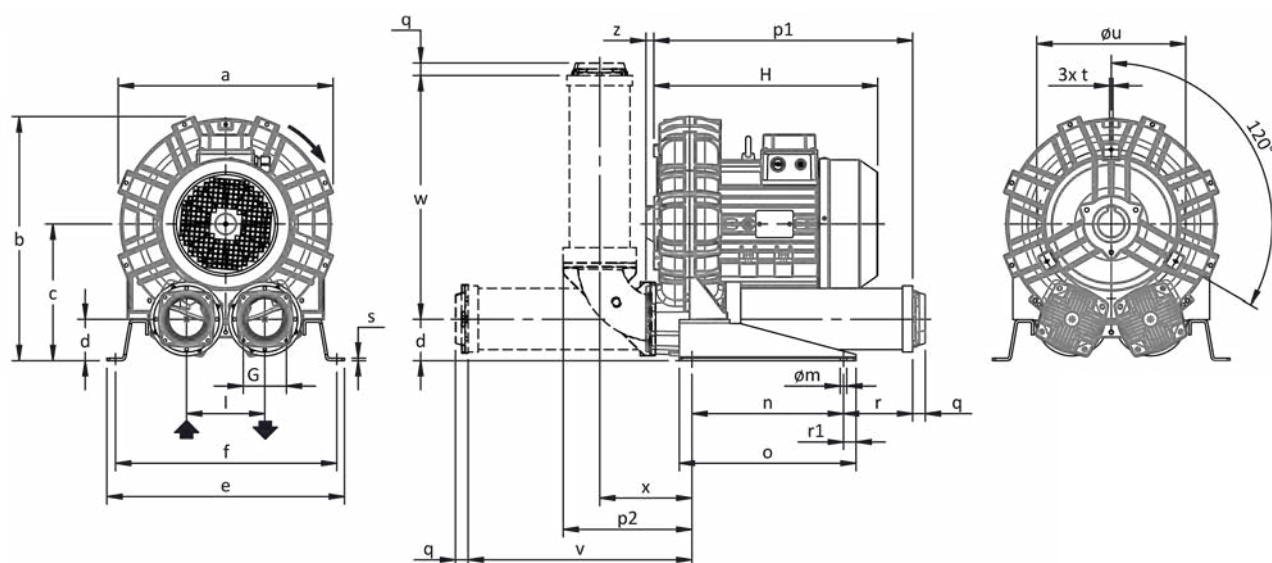


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}\text{C}$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
542	603	332	91	-	540	508	G 4"	200	-	-	13	300	350	596	305	25	204	25	5	M8	390	510	556	220	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

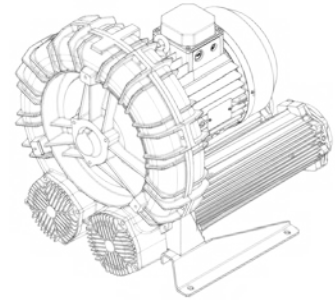
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



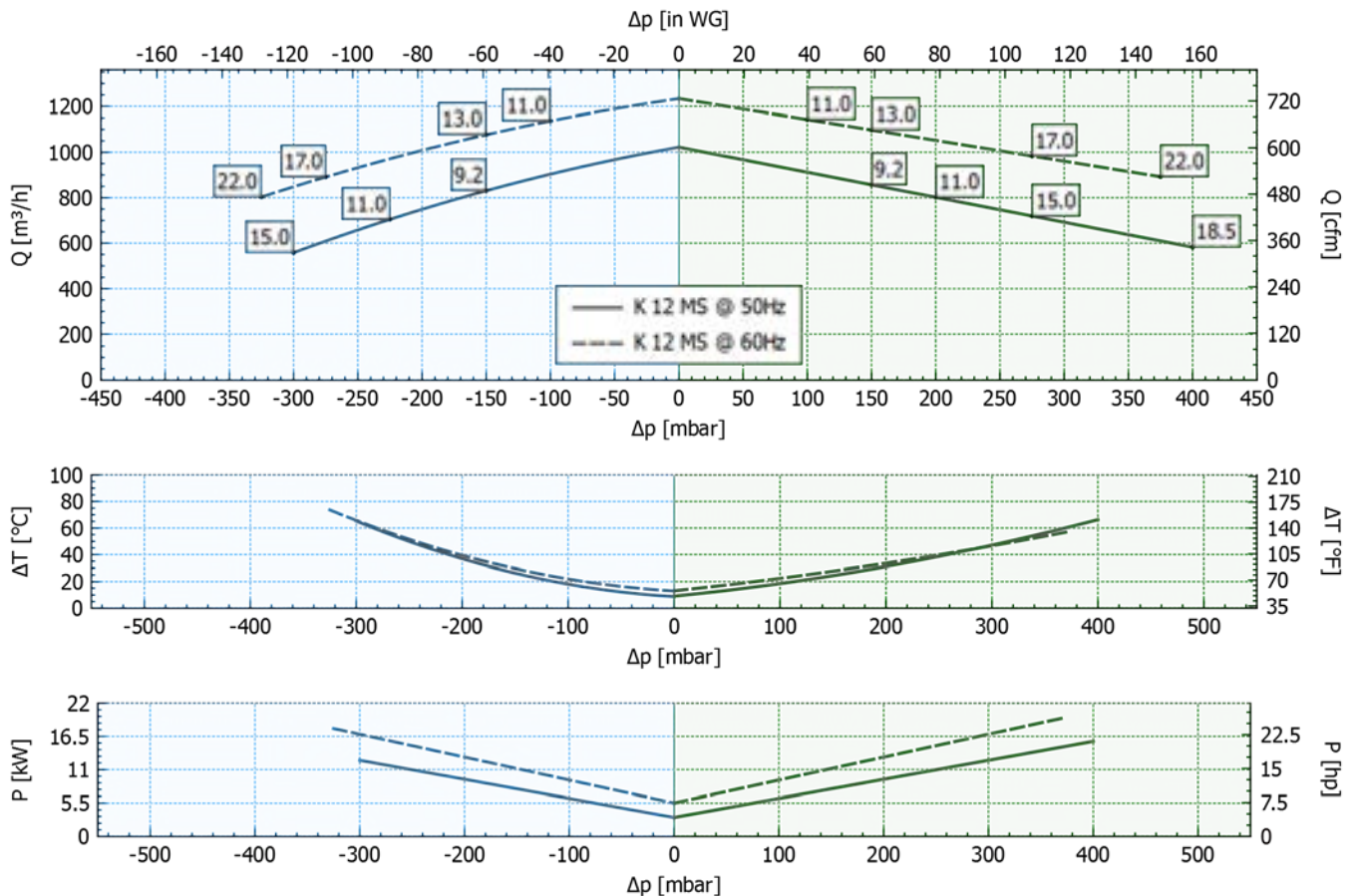
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
9.2	50	150	150	1022	81	97	505	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	100	100	1234	83	103.5	505	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	225	200	1022	81	103.5	505	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	150	150	1234	83	103.5	505	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	300	275	1022	81	120.5	580	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	275	275	1234	83	120.5	580	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	400	1022	81	140	640	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	325	375	1234	83	140	640	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

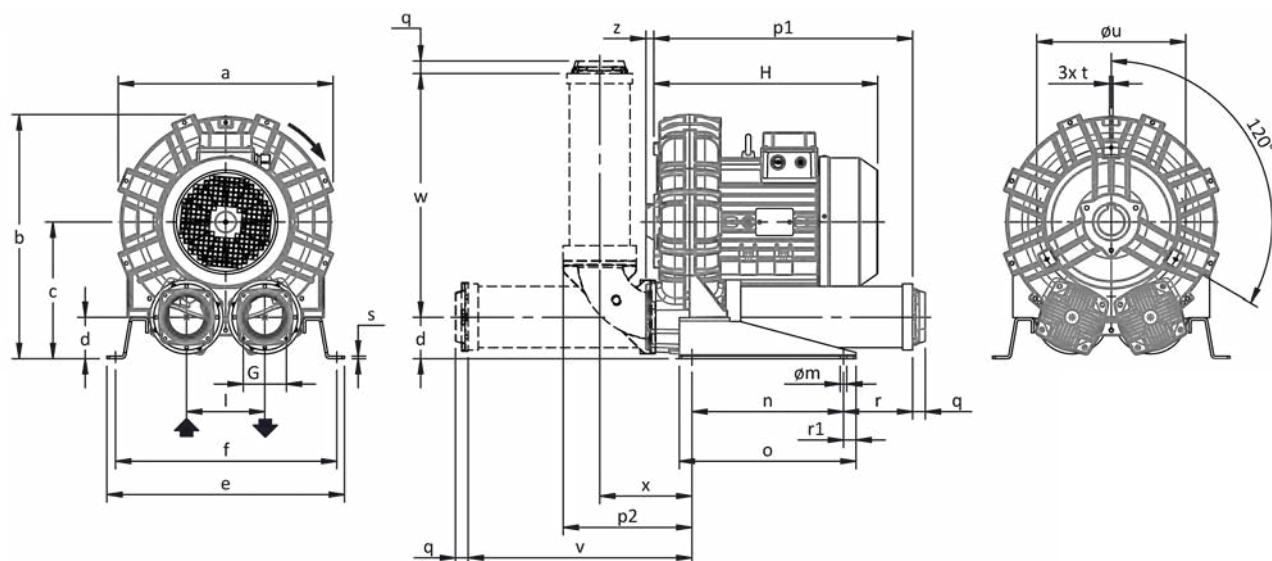
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
548	606	332	91	-	540	508	G 4"	200	-	-	13	300	350	599	305	25	204	25	5	M8	390	510	556	220	-	13

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

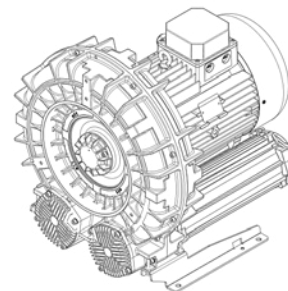
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



eolution

Performance Table

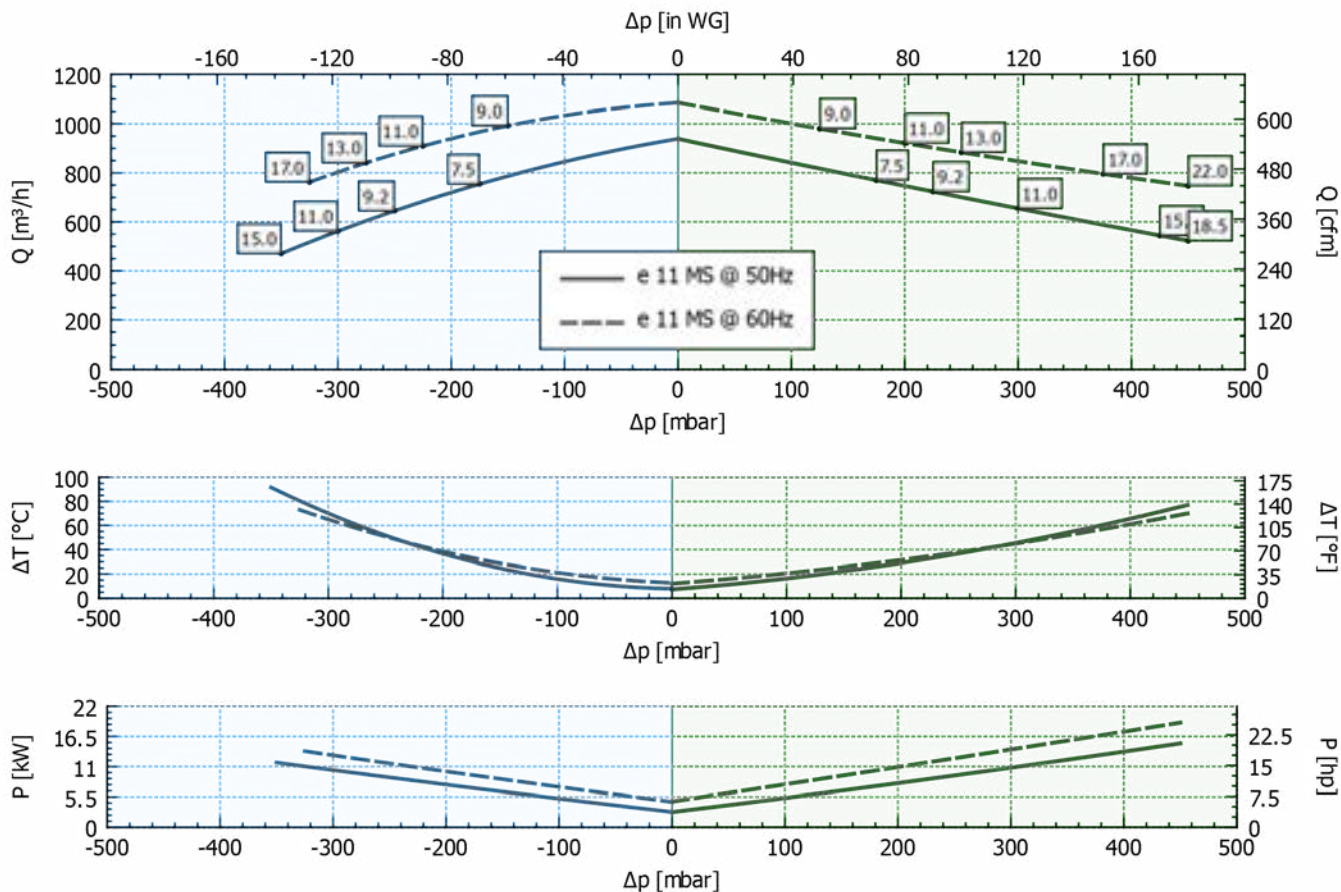
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	175	175	939	78	97	460	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	150	125	1085	83	97	460	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	250	225	939	78	103	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	225	200	1085	83	103	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	300	300	939	78	110	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	275	250	1085	83	110	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	350	425	939	78	126	575	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	325	375	1085	83	126	575	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	450	939	78	150	635	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	450	1085	83	150	635	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

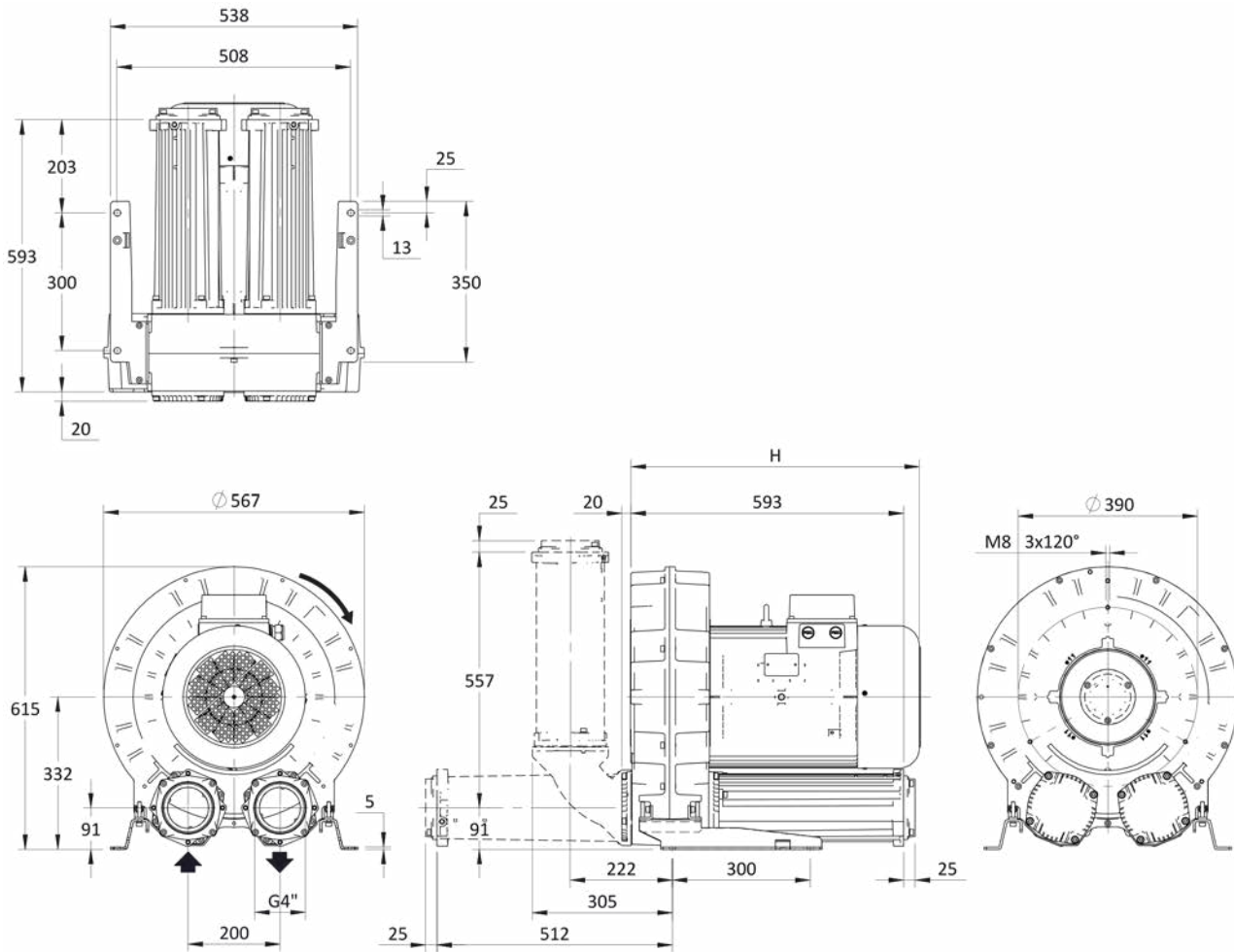


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to Effepizeta.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

CHARACTERISTICS

- *Aluminium alloy construction*
- *Available in monoblock execution (MOR) and with coupling (GOR)*
- *Electric motors equipped with thermal protection PTO (std for MOR execution)*
- *Painted*

OPTIONS

- *Special voltages (IEC 60038)*
- *Increased seal version*
- *Motor protection with PTC (only for GOR execution)*
- *Unpainted*



Technical data

SIDE CHANNEL BLOWERS - EXHAUSTERS



PERFORMANCE

EAC

Model	Pn kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]
			Suction	Compression		
R20-MD	0.75	50	300	325	60	66.0
	0.9	60	300	275	70	68.0
	1.1	50	(300)	400	60	66.5
	1.3	60	350	450	70	68.5
R30-MD	1.1	50	300	325	91	69.2
	1.3	60	325	300	110	72.2
	1.5	50	350	425	91	69.7
	1.7	60	375	425	110	72.8
R40-MD	2.2	50	350	425	117	70.8
	2.6	60	375	400	137	72.8
	3.0	50	(350)	500	117	71.3
	3.5	60	(375)	500	137	73.3

Table 1. Fluid dynamic performance of the blowers with relative installed powers.

BLOWER CONFIGURATIONS

Model	Execution	Electric Motor			
		IE3 Wide Range cURus	IE3	Thermal Protection	
				PTO	PTC
R20-MD	MOR	STD	-	STD	Not applicable
	GOR	-	STD	Optional	Optional
R30-MD	MOR	STD	-	STD	Not applicable
	GOR	-	STD	Optional	Optional
R40-MD	MOR	STD	-	STD	Not applicable
	GOR	-	STD	Optional	Optional

Table 2. Blower configurations with reference to the electric motor.

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

ELECTRIC MOTOR SPECIFICATIONS (MOR EXECUTION)

All STD motors have:

- **IP 55 protection rating.** (IP66 option)
- **Class F Insulation** (no option)

Further features, shown below in table 3.

Type of motor	Power supply voltage (Δ / Y) [V]	Frequency [Hz]
IE3 cURus	230 / 400	50
	265 / 460	60
Wide Range cURus	200 – 240 / 345 – 415	50
	220 – 280 / 380 – 480	60

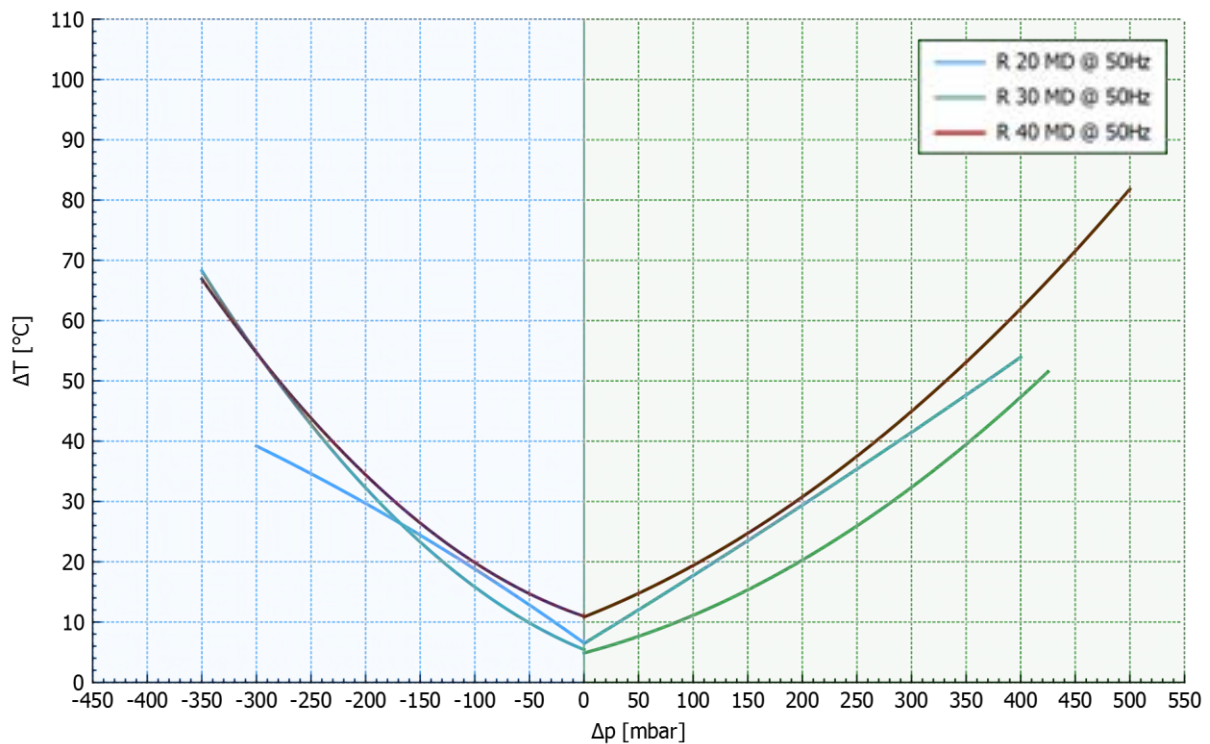
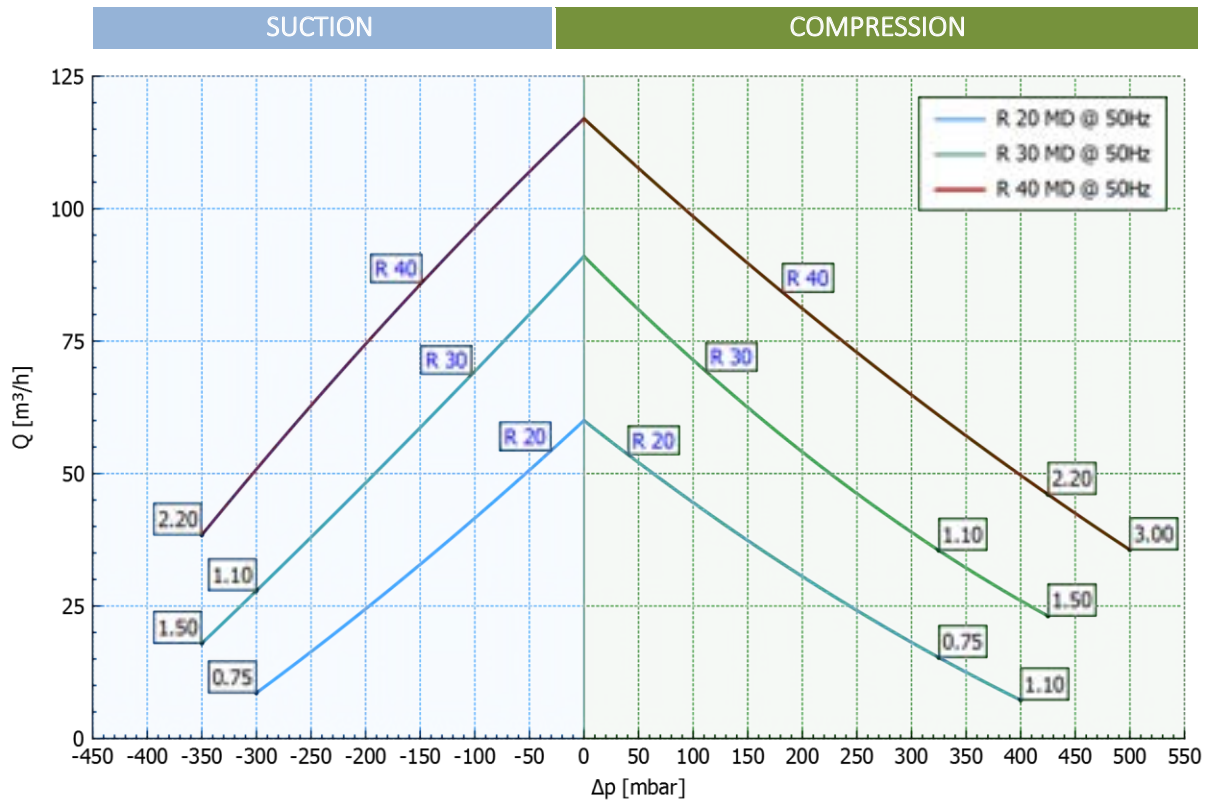
Table 3. Electric motor rating.

¹ Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

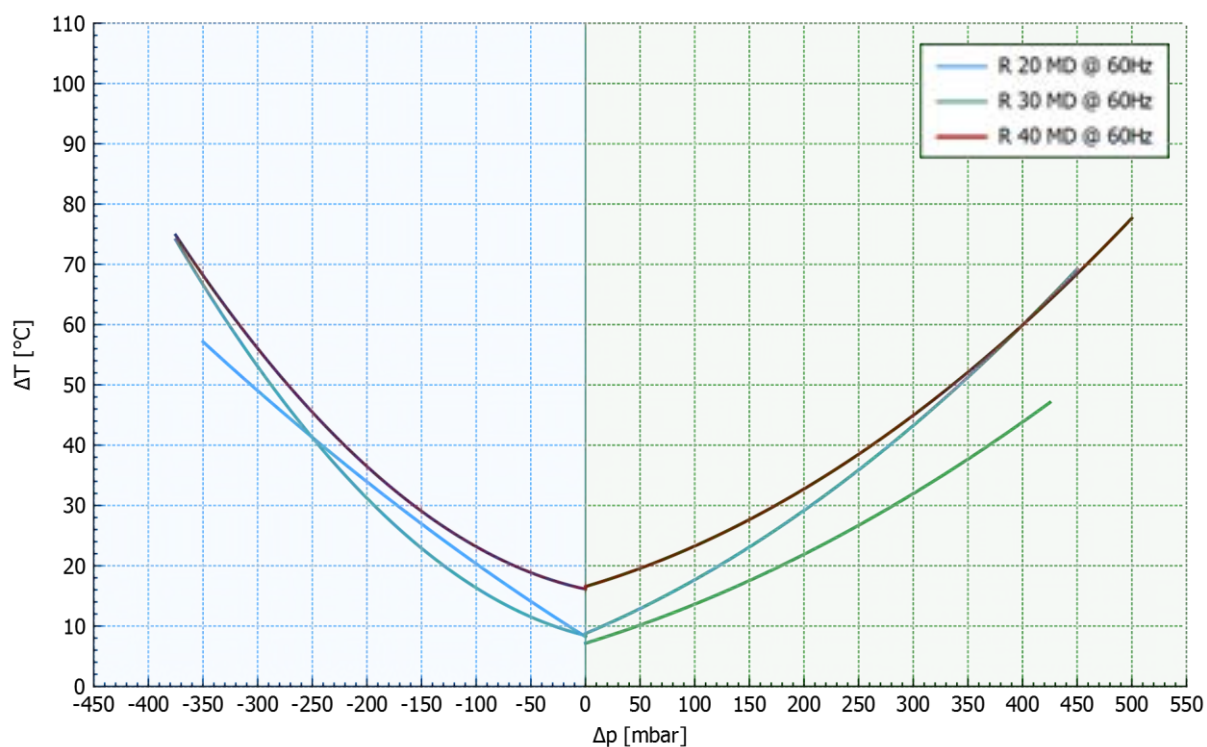
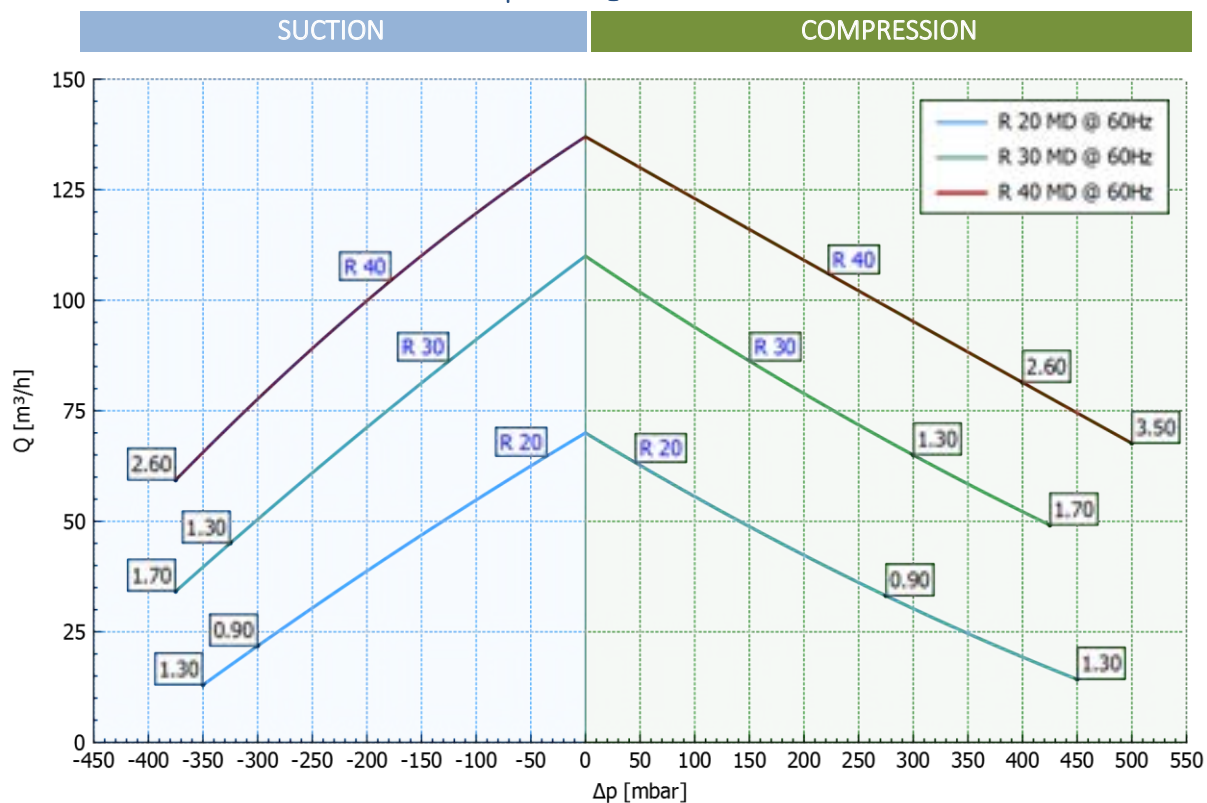
Tolerance on the fixed voltage value ± 10%, in range ± 5%.

Motors with class F insulation, suitable for operating "under inverter" * refer to FPZ, with IP 55 protection rating.

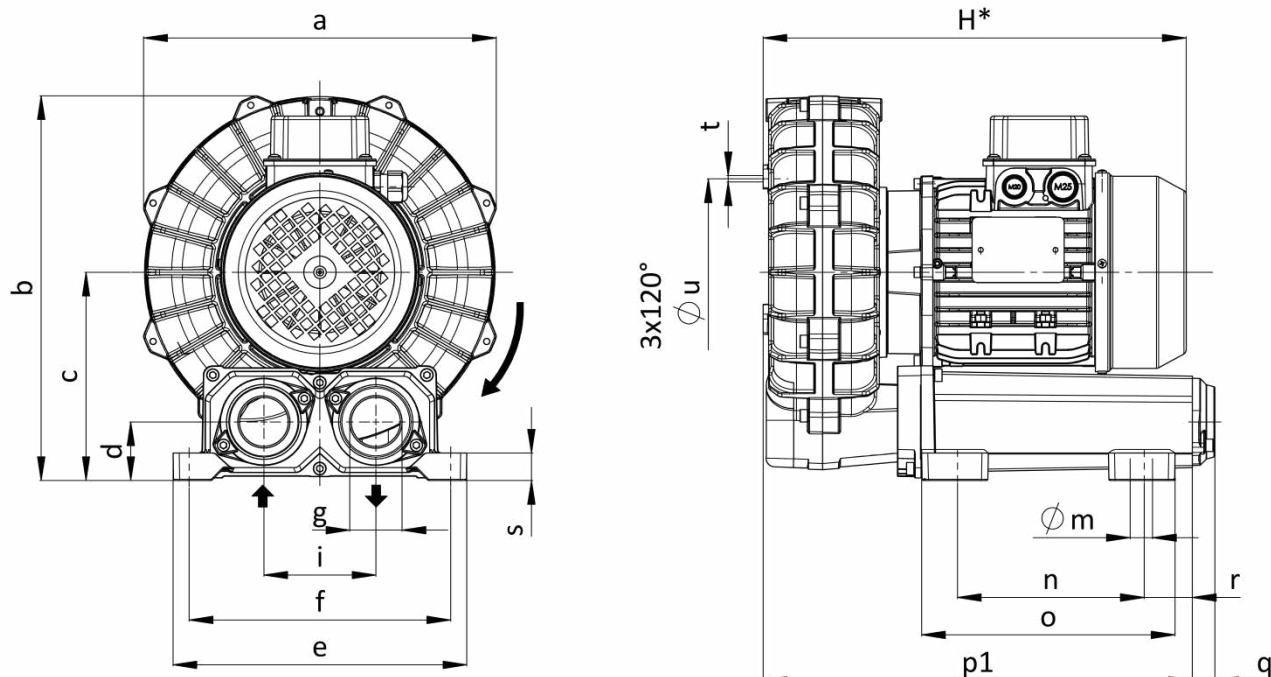
Operation @ 50 Hz



Operation @ 60 Hz



DIMENSIONS (MOR EXECUTION)

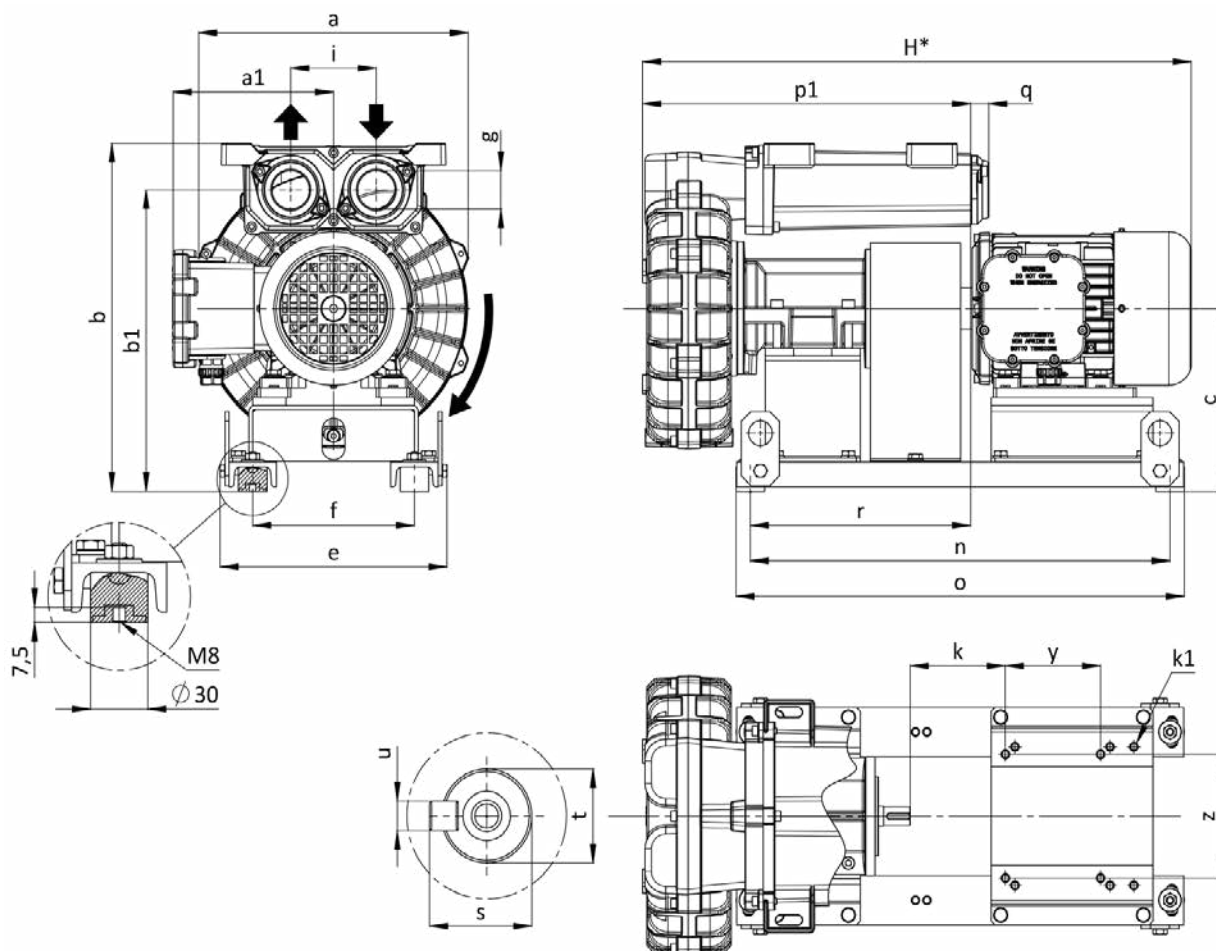


Sizes in mm - NOT BINDING

Model	a	b	c	d	e	f	g	H*	i	m	n	o	p1	q	r	s	t	u	Max weight [kg]
R20-MD	283	309	167	47	235	210	G 1"¼	340	90	10	150	200	345	18	45	22	M6	150	21
R30-MD	319	346	187	47	235	210	G 1"¼	390	90	10	150	200	354	18	45	22	M6	180	25
R40-MD	350	372	197	47	235	210	G 1"¼	440	90	10	150	200	364	18	45	22	M8	225	40

* The value indicated refers to the machine with motor of maximum length.

DIMENSIONS (GOR EXECUTION)



Sizes in mm - NOT BINDING

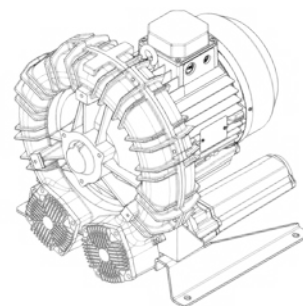
Model	M.E.	a	a1	b	b1	c	e	f	g	H*	i	k	k1	n	o	p1	q	r	s	t	u	y	z	Max weight ¹ [kg]
R20-MD	GR. 80 B3	283	169	352	305	185	239	170	G 1"¼	577	90	100	M8	445	475	345	18	234	21.5	19	6	100	125	23
R30-MD	GR. 80 B3	319	169	372	325	185	239	170	G 1"¼	583	90	100	M8	445	475	354	18	237	21.5	19	6	100	125	26
	GR. 90S B3		174							606		110											140	
R40-MD	GR. 90L B3	350	174	402	355	205	259	190	G 1"¼	711	90	111	M8	560	590	364	18	233	31	28	8	125	140	34
	GR. 100 B3		185							742		128										140	160	

POSITION OF TERMINAL BOX

Standard version	Available on request

* The value indicated refers to the machine with motor of maximum length.

¹ The value indicated refers to the weight of the machine without electric motor.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

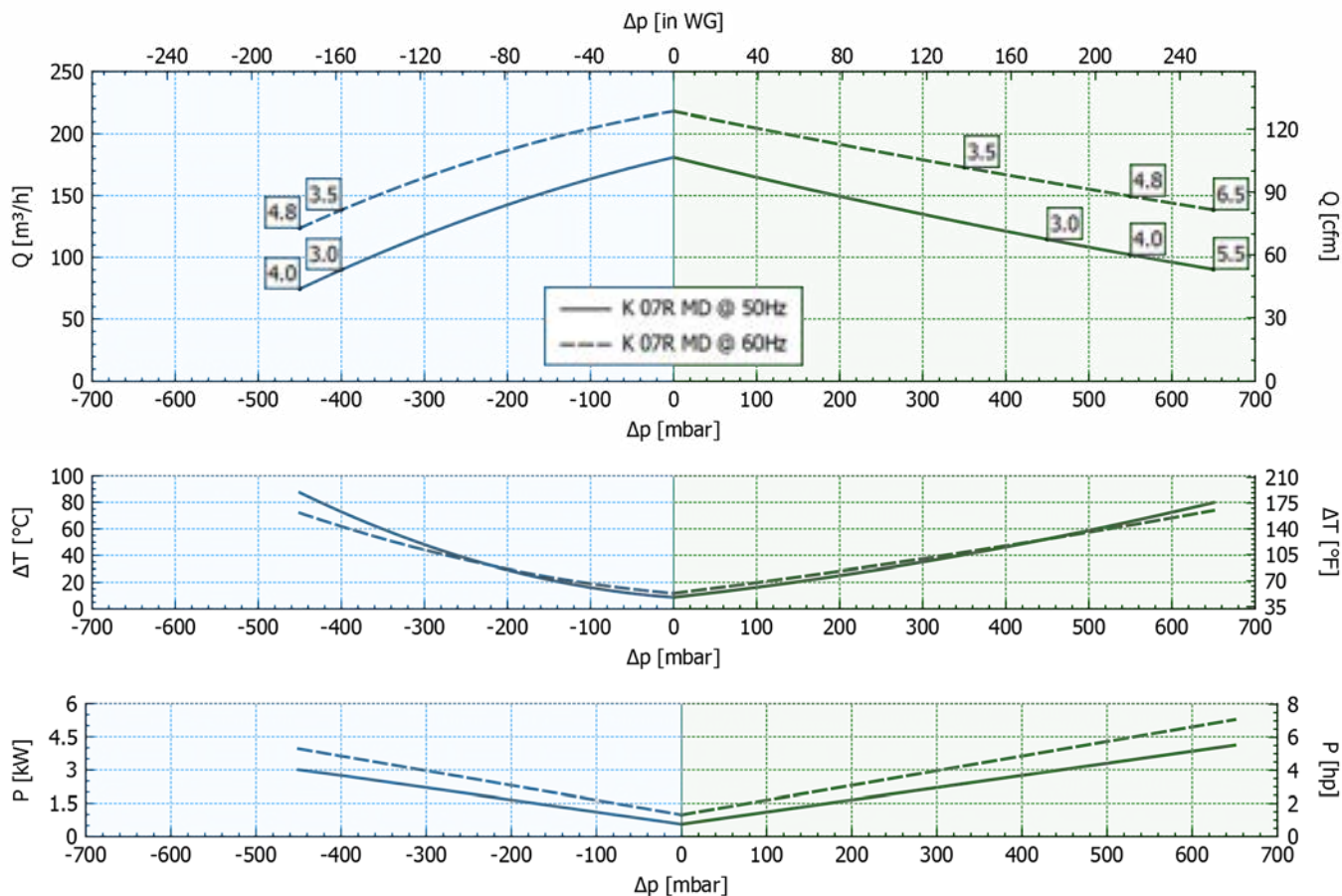
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	400	450	181	70.5	51.8	400	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	400	350	218	72.5	51.8	400	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	450	550	181	70.5	53	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	450	550	218	72.5	53	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	-	650	181	70.5	66.5	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	-	650	218	72.5	66.5	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

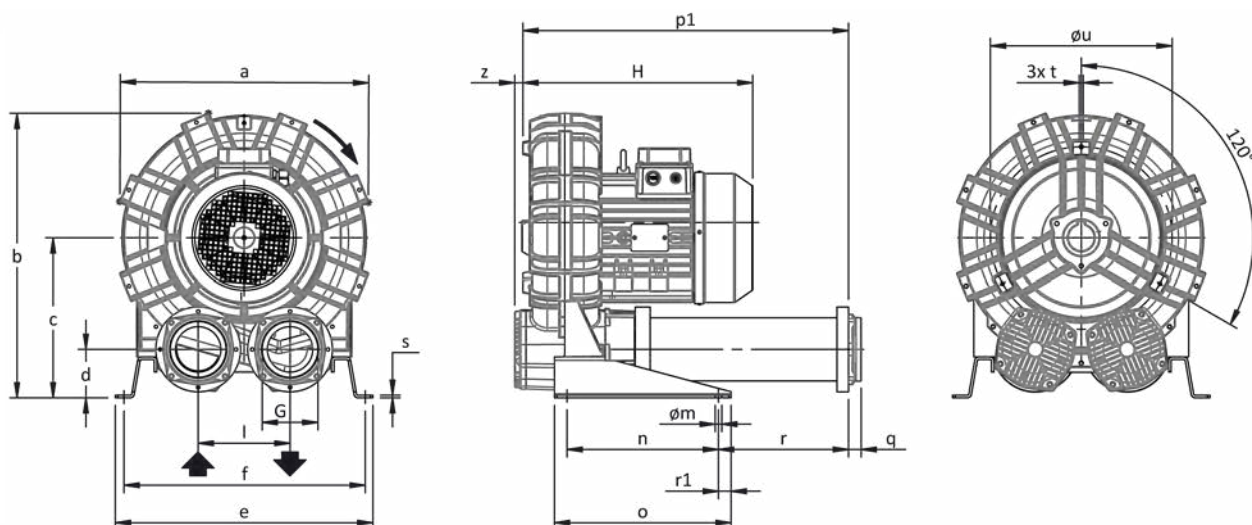
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions

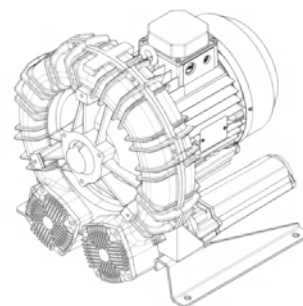


Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
424	481	269	82	-	470	438	G 2"	155	-	-	13	300	350	418	-	18	43	25	5	M8	295	-	-	-	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

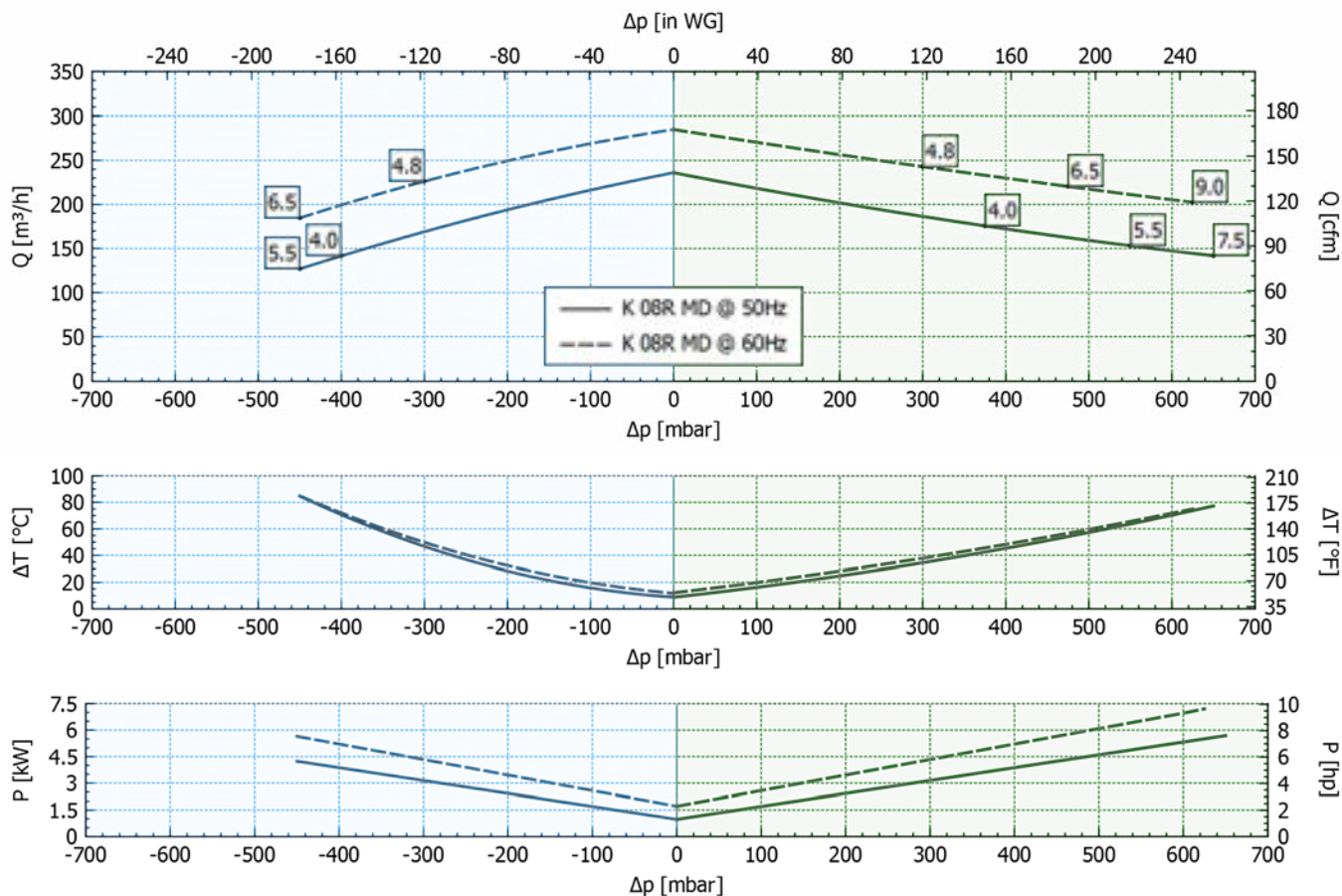
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	400	375	236	73.4	56.5	415	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	300	300	285	75.4	56.5	415	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	450	550	236	73.4	70	445	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	450	475	285	75.4	70	445	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	650	236	73.4	75	445	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	-	625	285	75.4	75	445	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

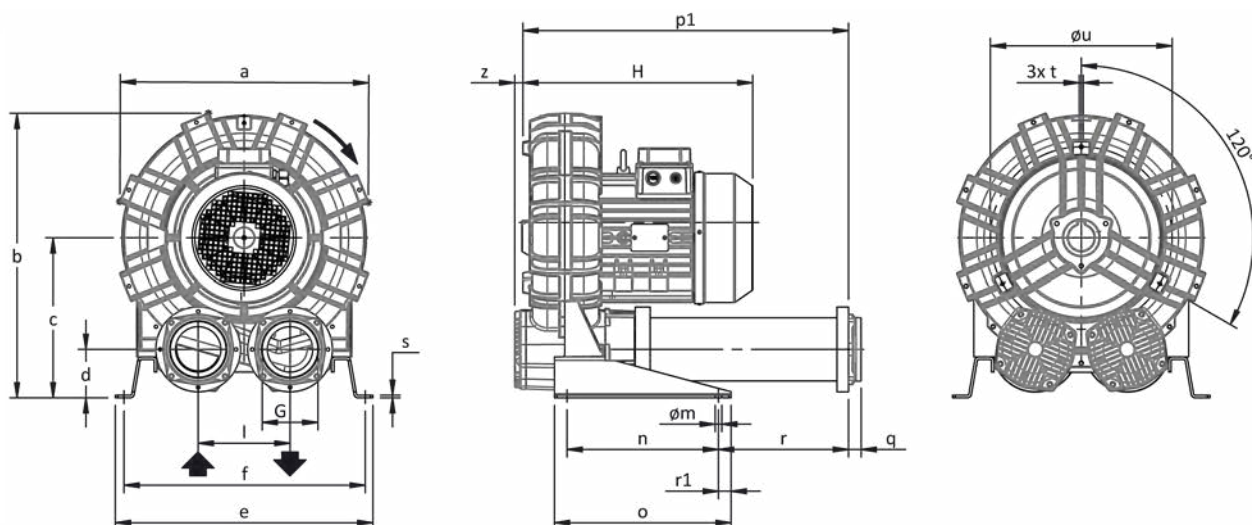
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
457	498	269	82	-	480	448	G 2"	155	-	-	13	300	350	418	-	18	43	25	5	M8	310	-	-	-	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

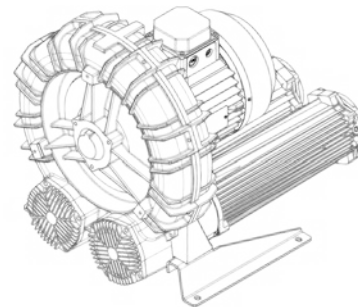
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



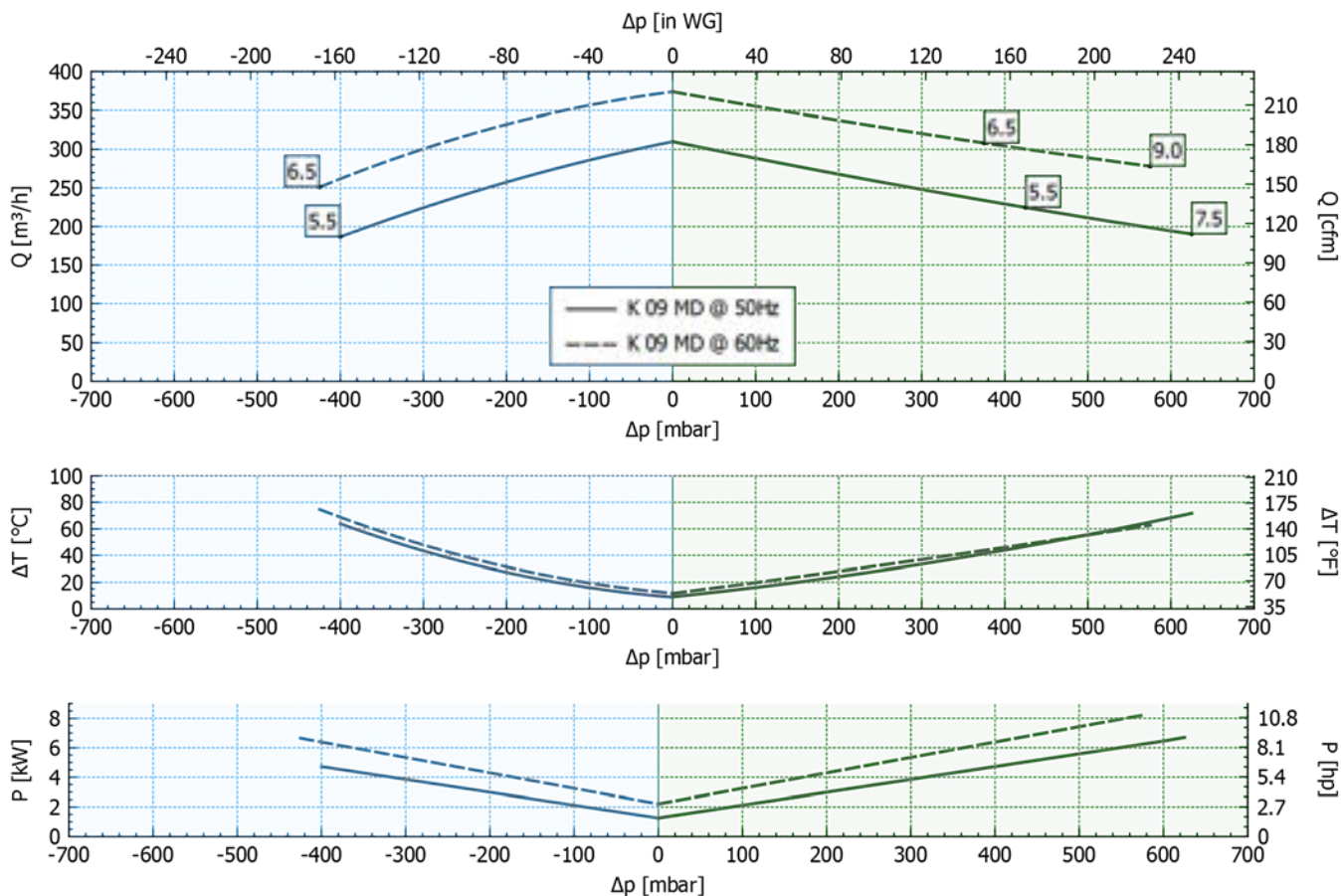
Performance Table

P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	400	425	310	74.4	84	455	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	425	375	374	76.4	84	455	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	625	310	74.4	89	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	-	575	374	76.4	89	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

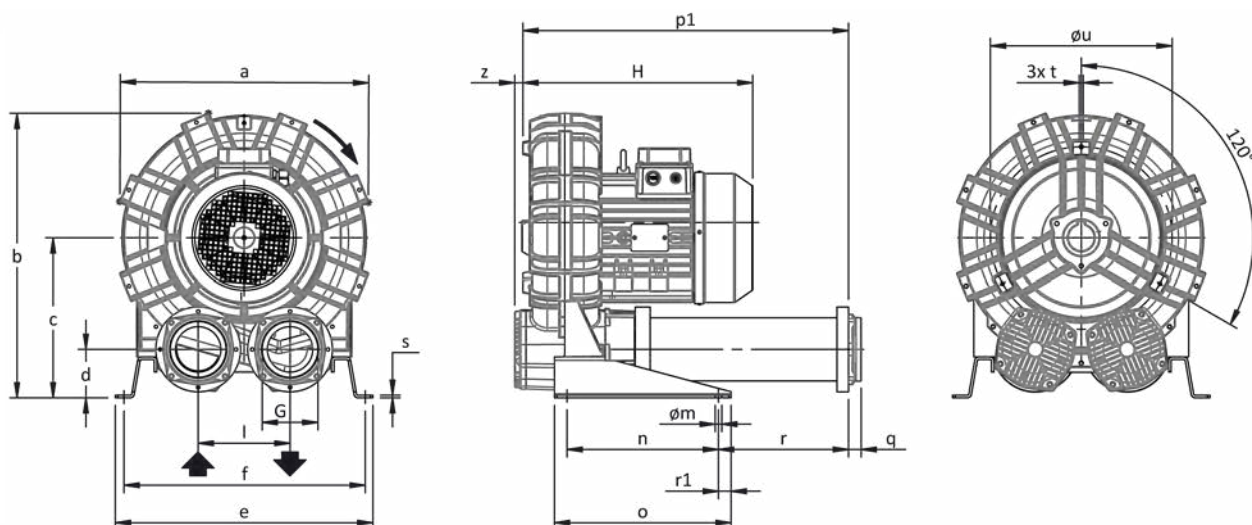
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
492	561	315	96	-	510	478	G 4"	182	-	-	13	300	350	644	-	25	257	25	5	M8	360	-	-	-	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

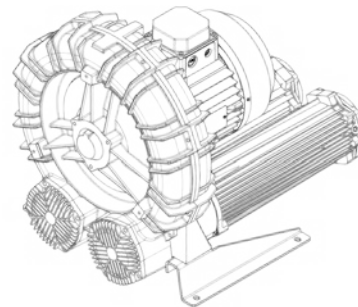
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



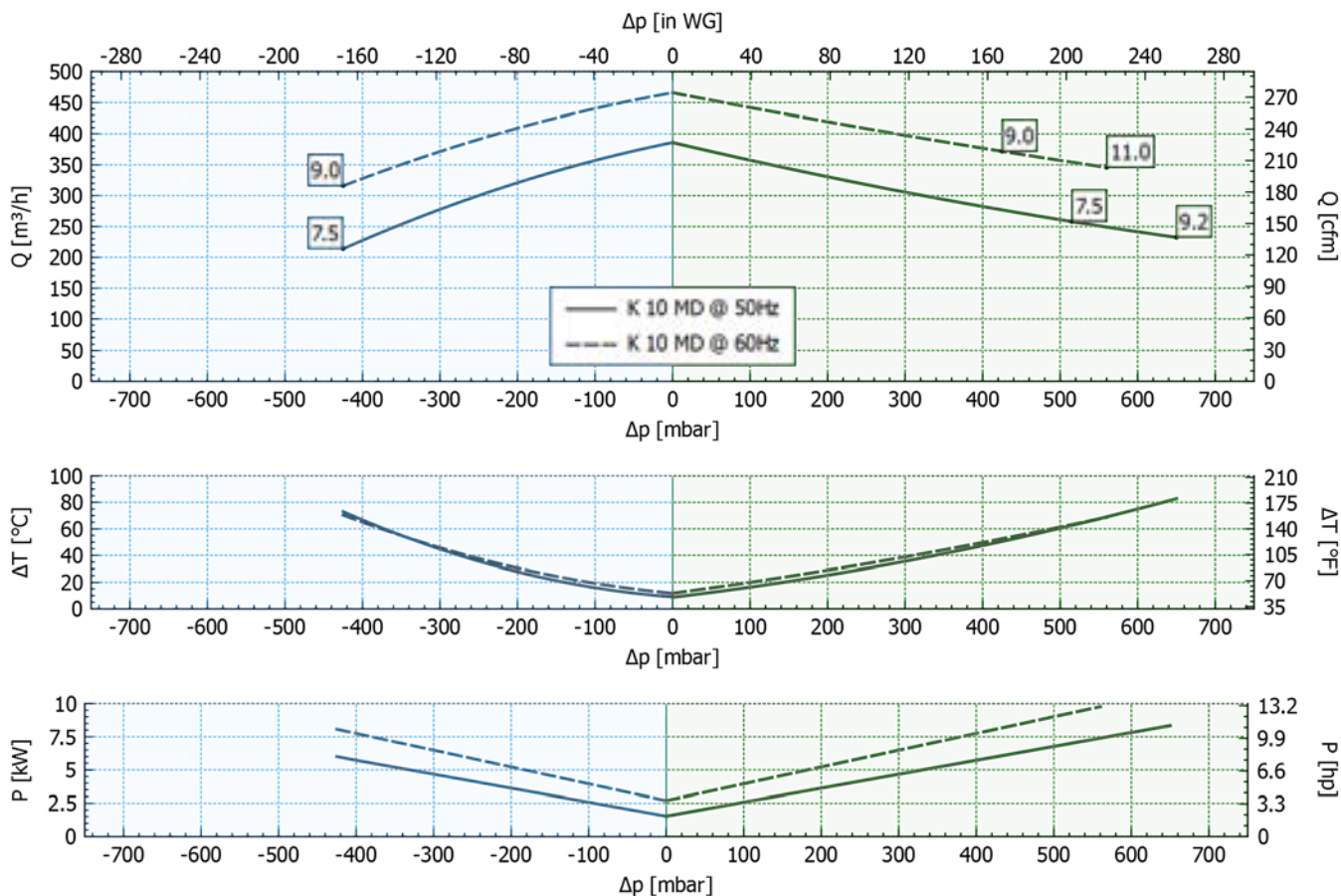
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	425	515	386	78.4	91	455	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	425	425	466	80.4	91	455	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	650	386	78.4	96	495	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	560	466	80.4	96	495	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

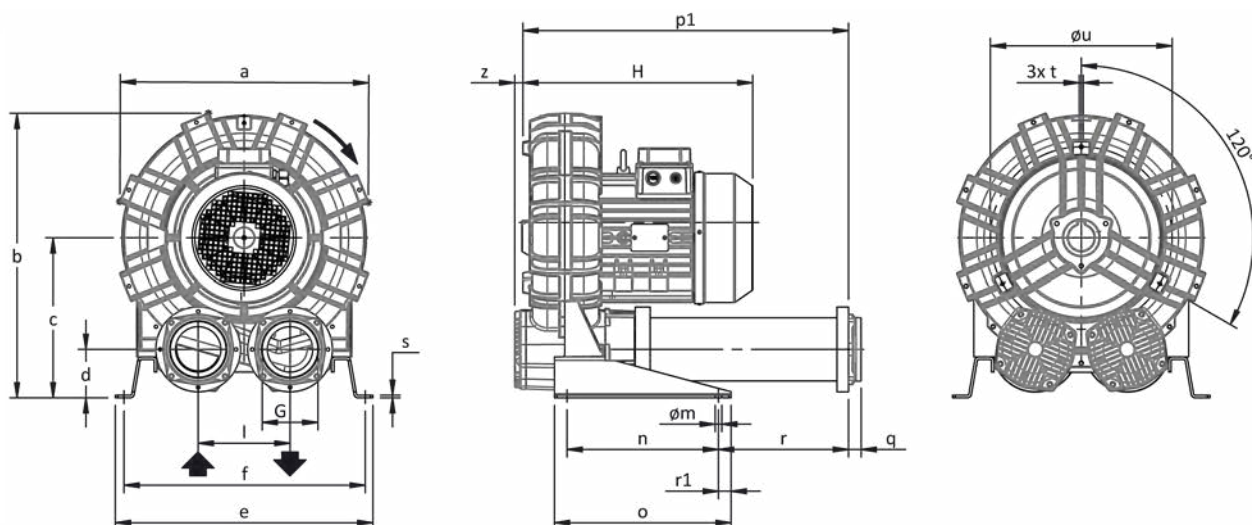
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
516	573	315	96	-	510	478	G 4"	182	-	-	13	300	350	644	-	25	257	25	5	M8	360	-	-	-	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

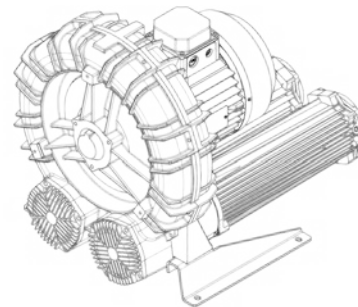
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

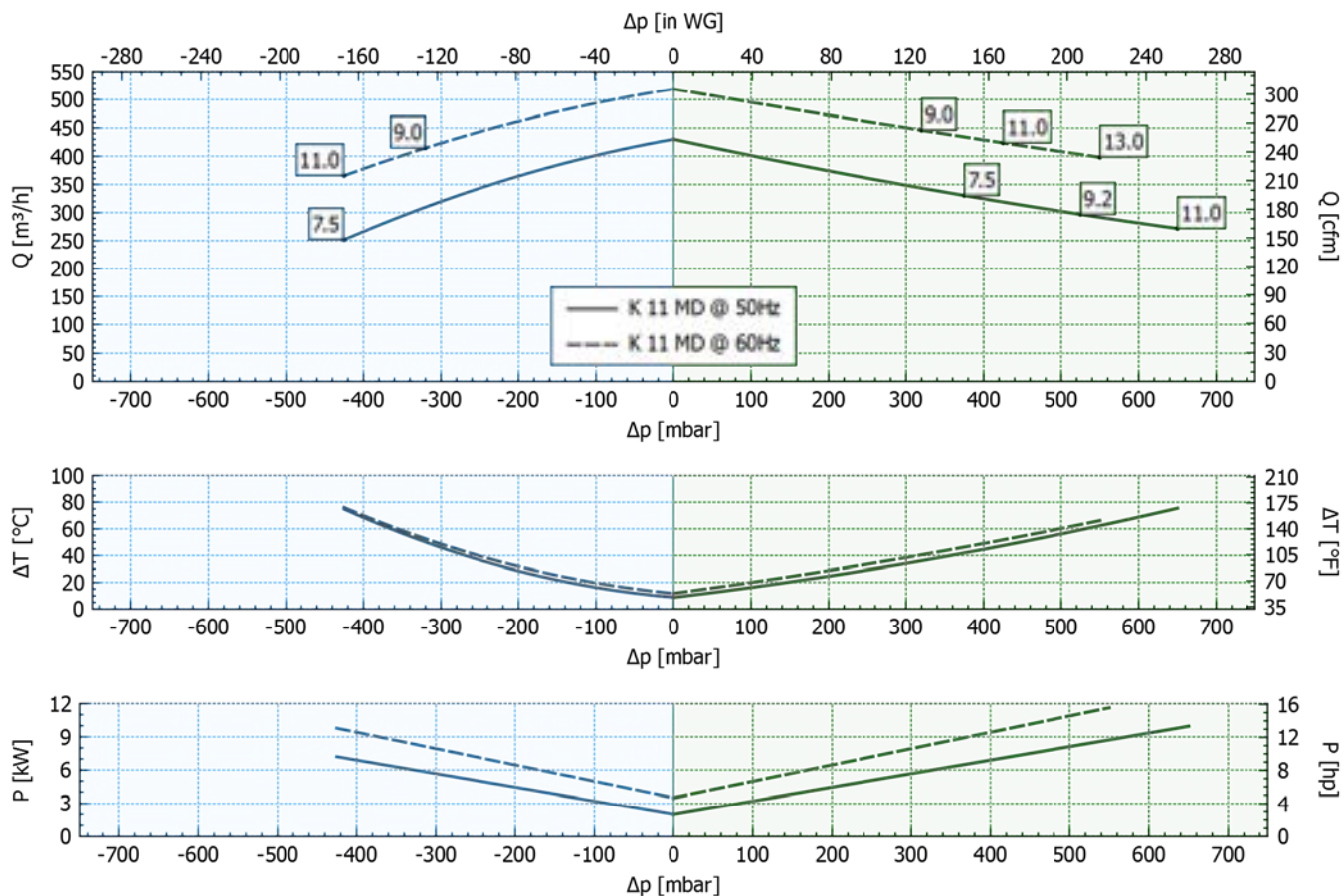
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	425	375	430	78.4	98.5	460	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	320	320	519	80.4	98.5	460	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	525	430	78.4	103.5	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	425	425	519	80.4	110	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	650	430	78.4	110	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	550	519	80.4	110	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

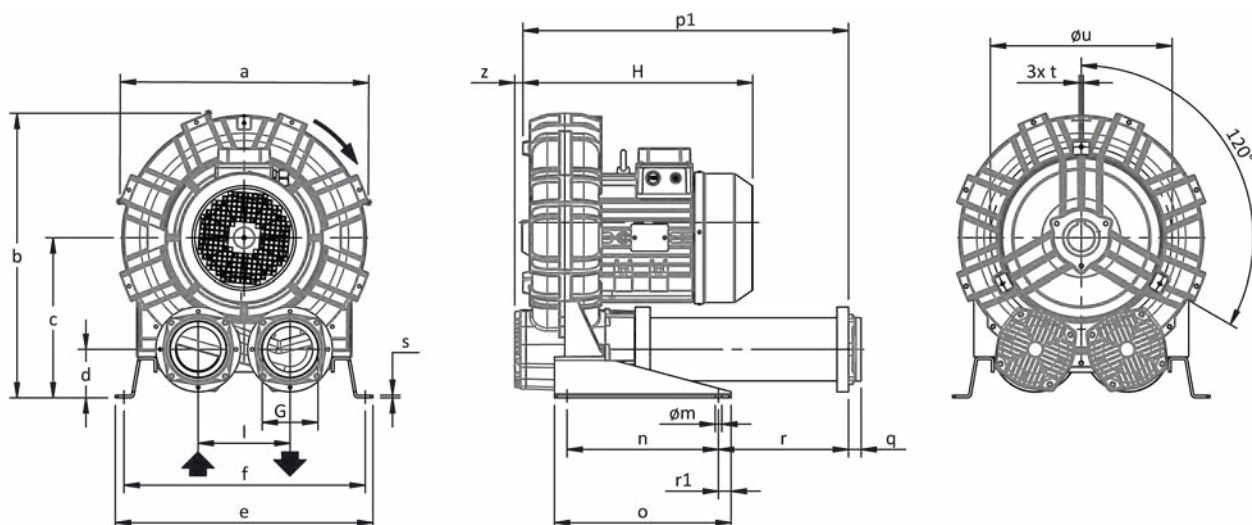


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
542	603	332	91	-	540	508	G 4"	200	-	-	13	300	350	654	-	25	262	25	5	M8	390	-	-	-	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

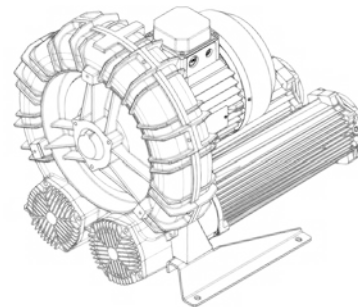
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



Performance Table

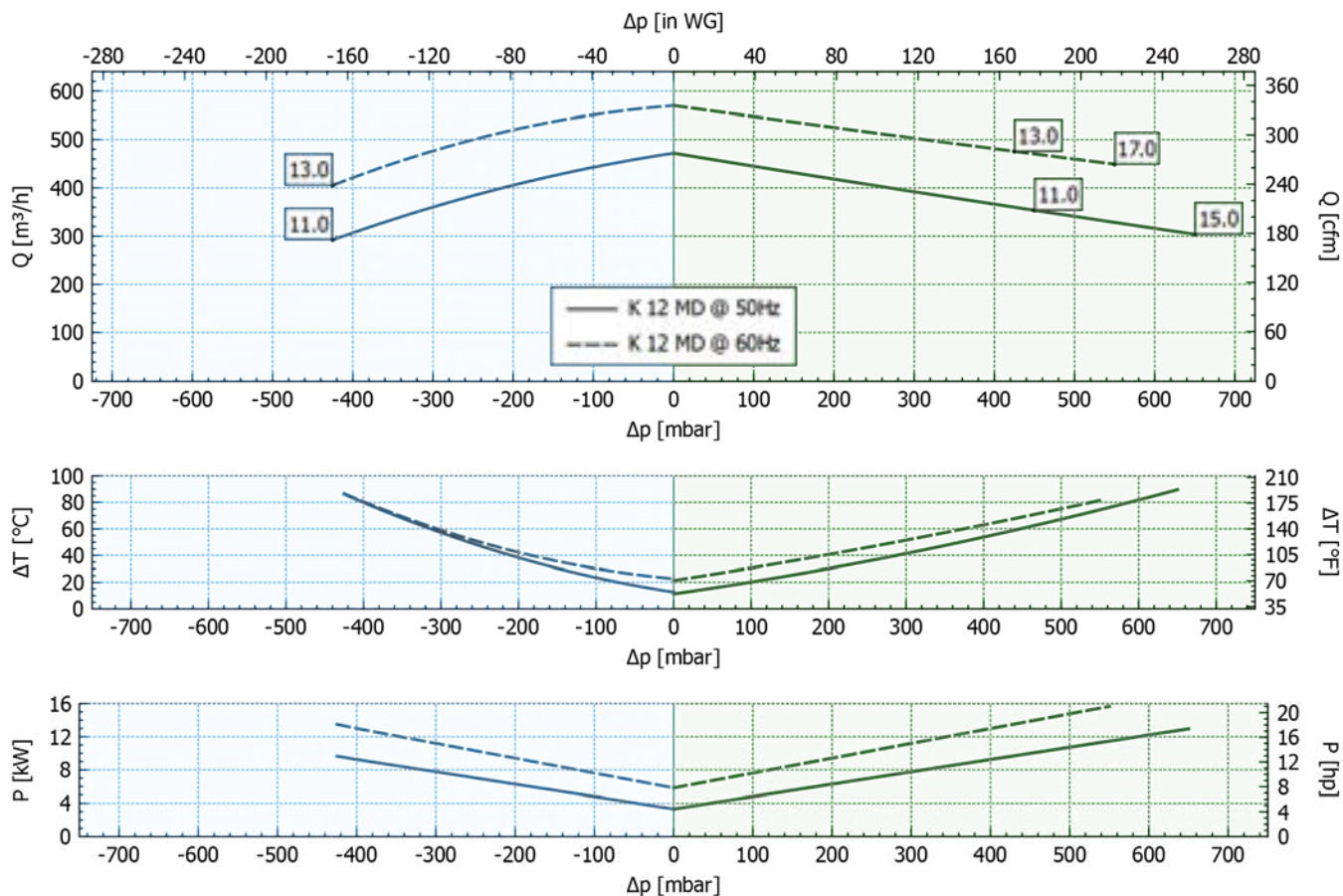
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	425	450	472	79.6	109	505	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	425	425	570	81.9	109	505	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	650	472	79.6	126	580	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	-	550	570	81.9	126	580	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

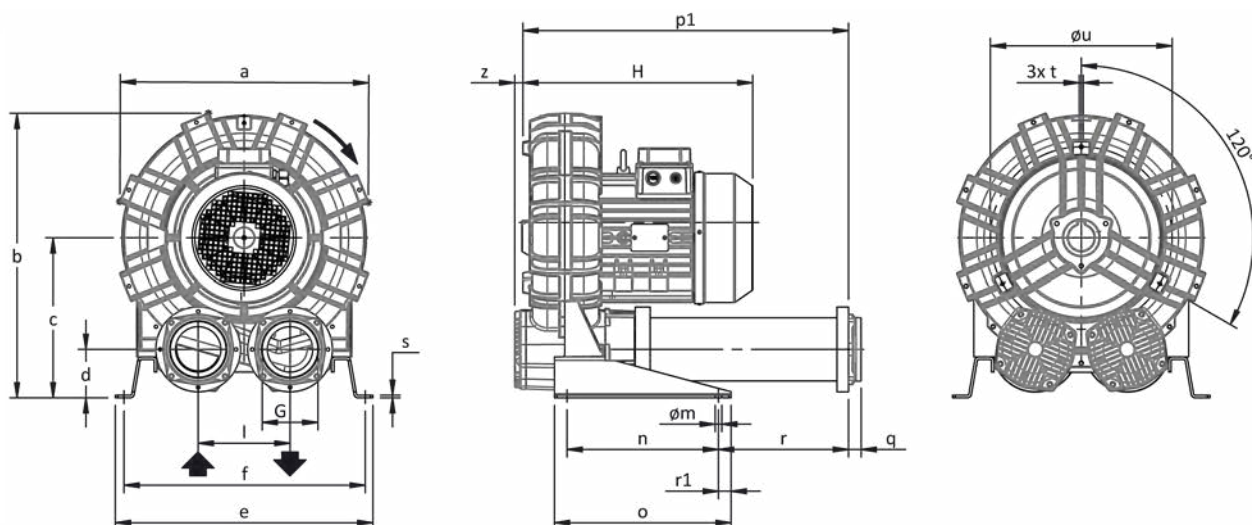


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions

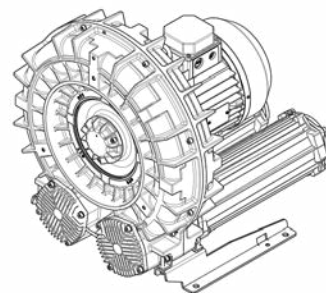


Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
548	606	332	91	-	540	508	G 4"	200	-	-	13	300	350	657	-	25	262	25	5	M8	390	-	-	-	-	13

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



eolution

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.

Performance Table

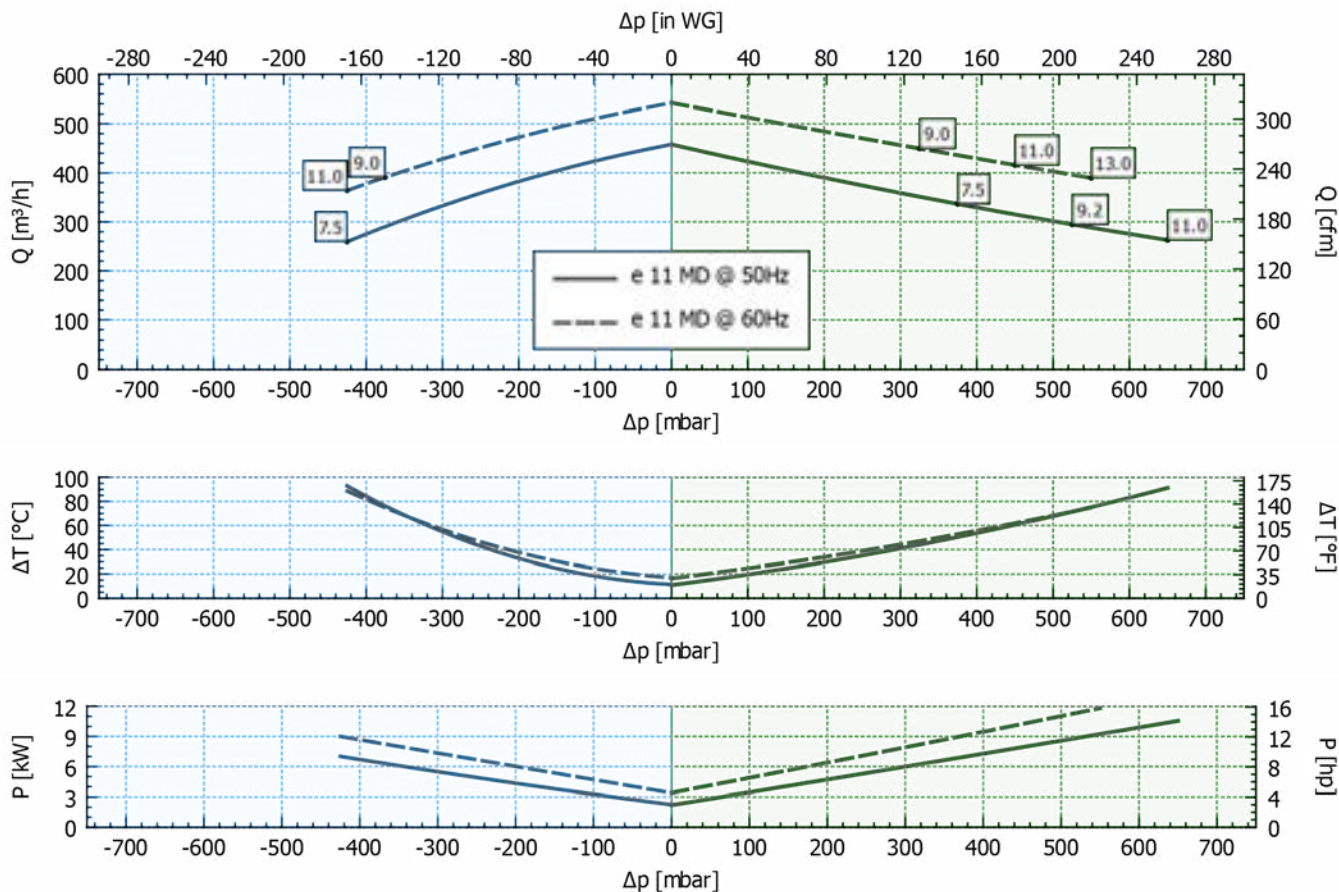
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	425	375	458	77	98	460	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	375	325	542	80	98	460	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	525	458	77	104	500	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	425	450	542	80	104	500	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	650	458	77	111	500	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	550	542	80	111	500	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

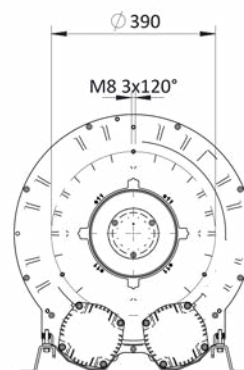
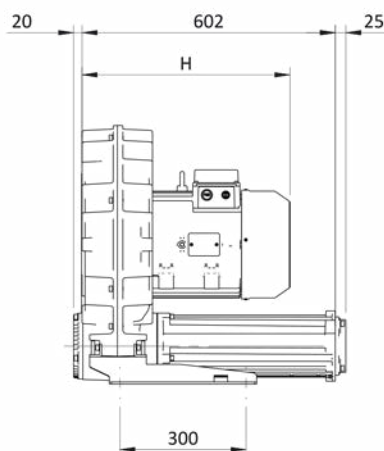
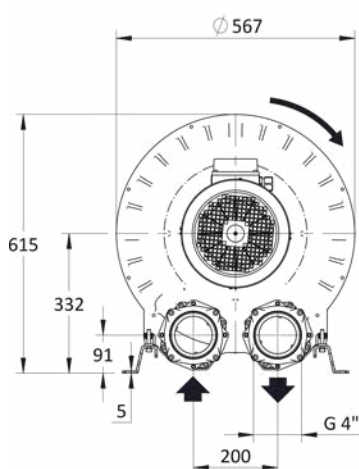
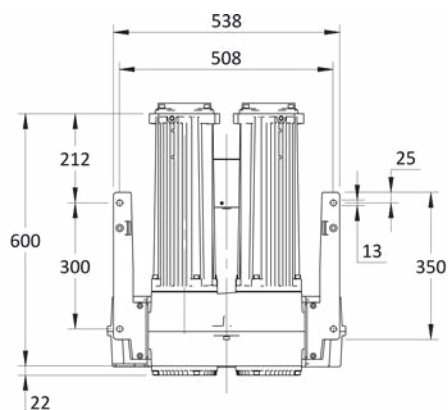


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

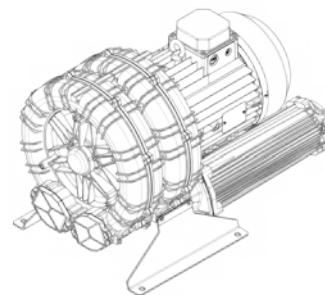
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

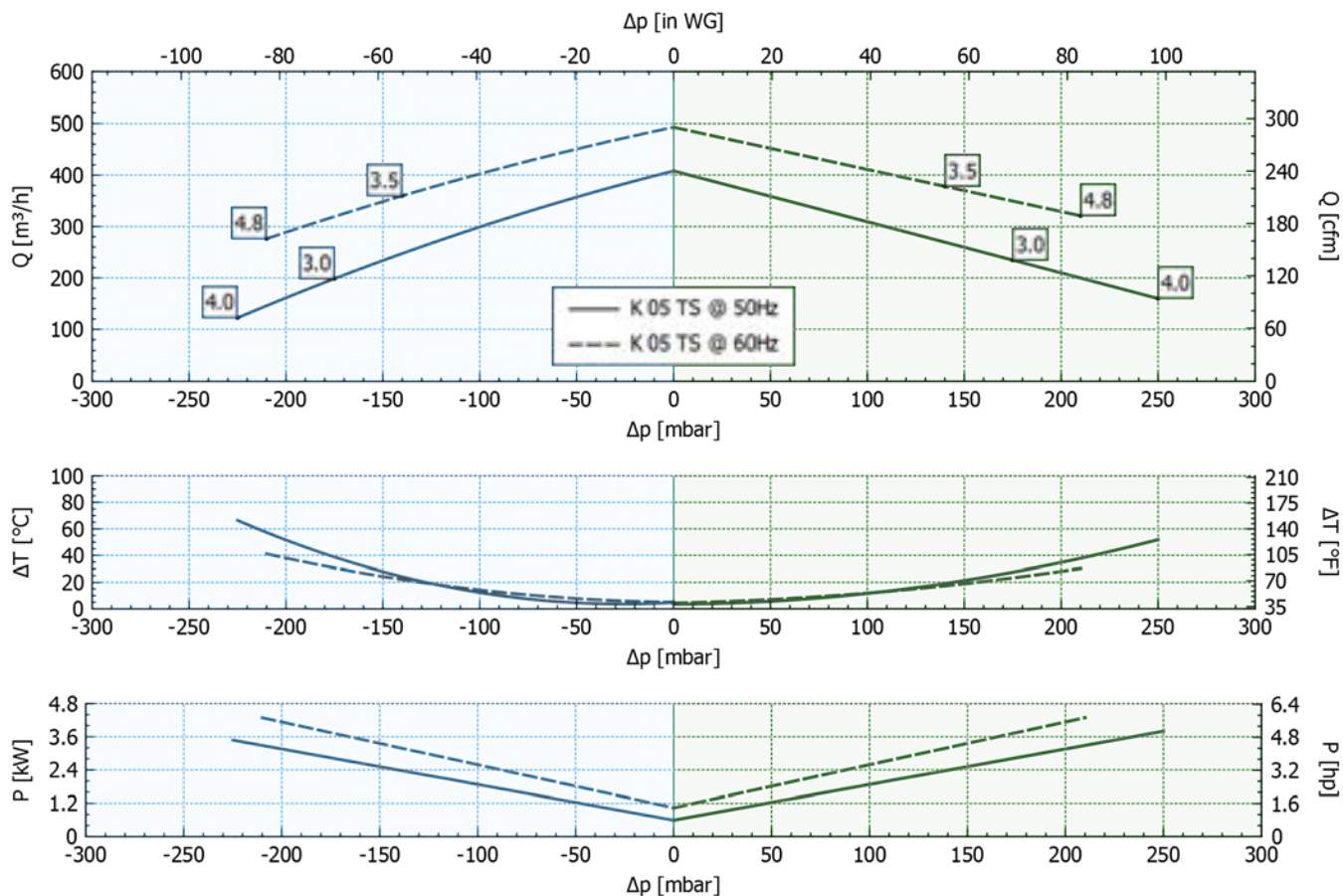
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	175	175	408	69.6	48	475	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	140	140	493	71.6	48	475	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	225	250	408	69.6	49.5	495	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	210	210	493	71.6	49.5	495	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

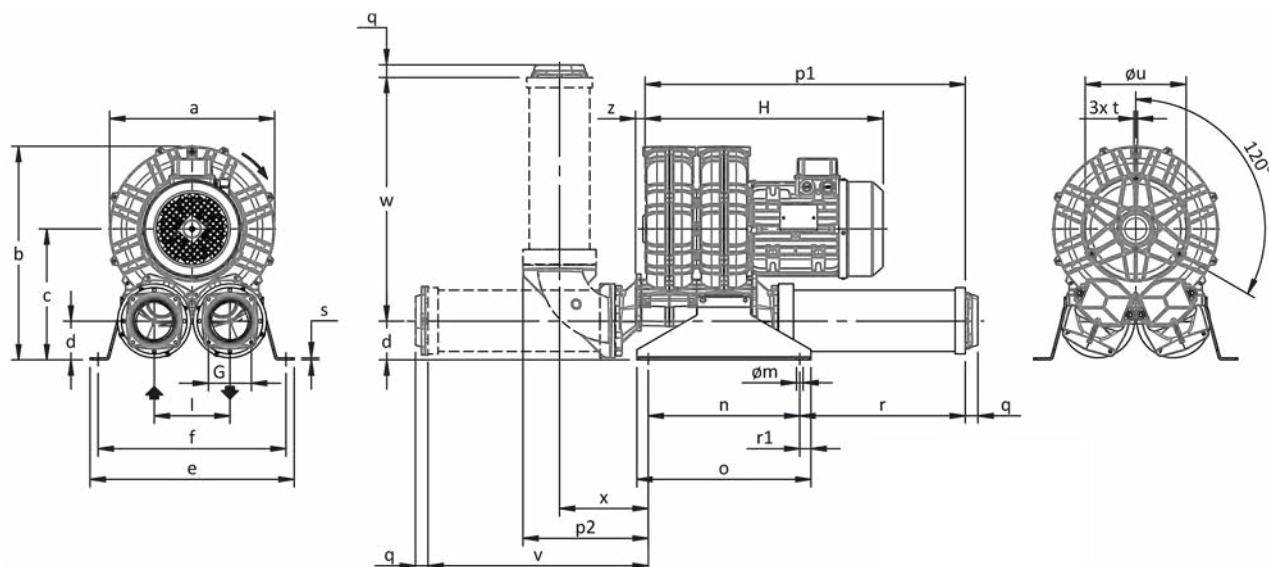


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	422	258	77	-	404	374	G 3"	150	-	-	13	300	345	634	249	25	328	22.5	4	M8	200	436	481	176	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

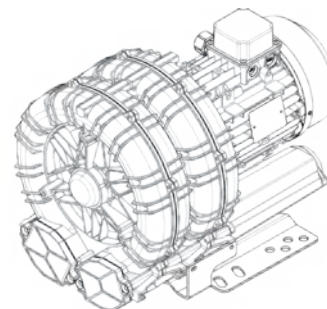
- IE3 Wide Range cULus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



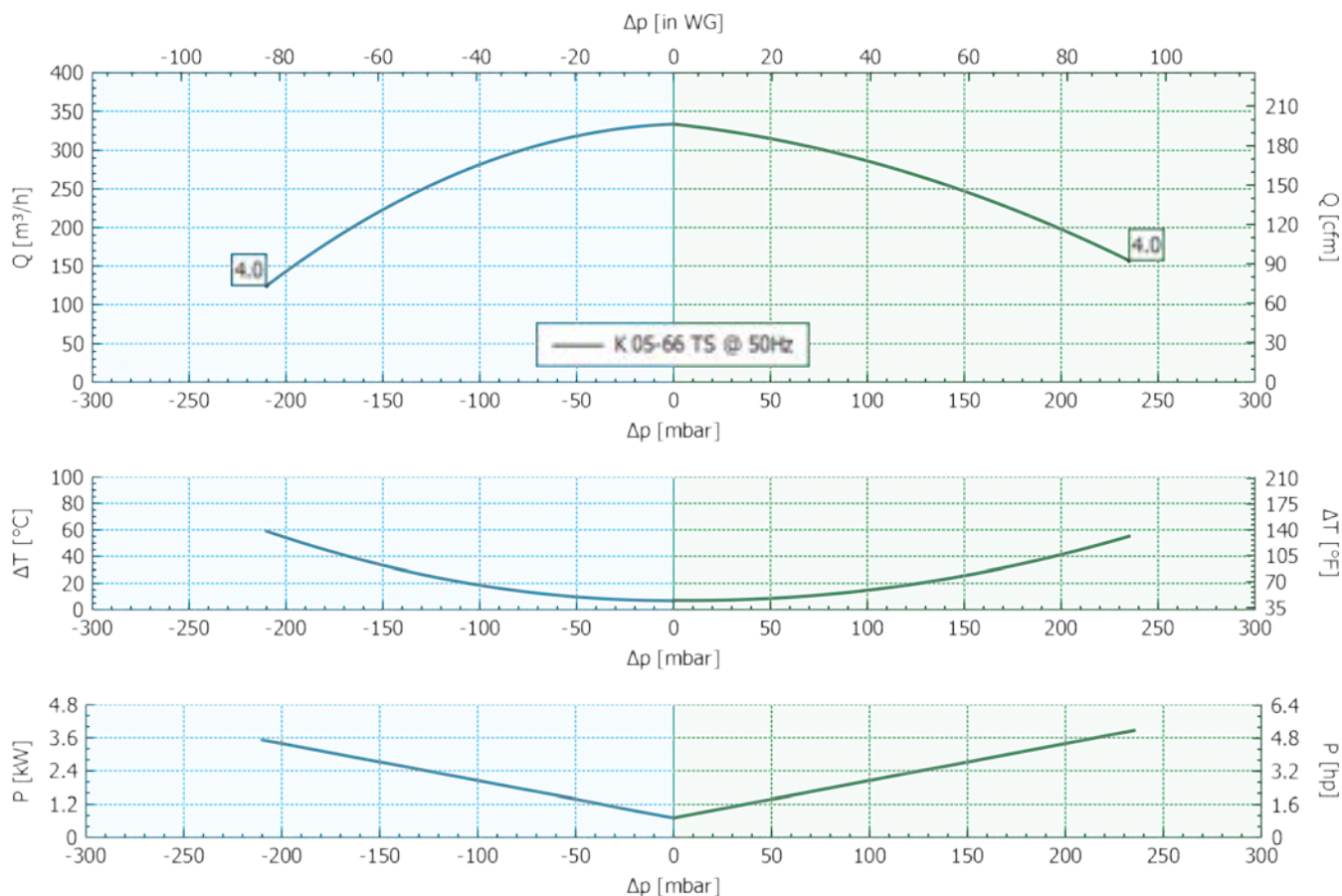
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	210	235	334	74.5	45	495	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

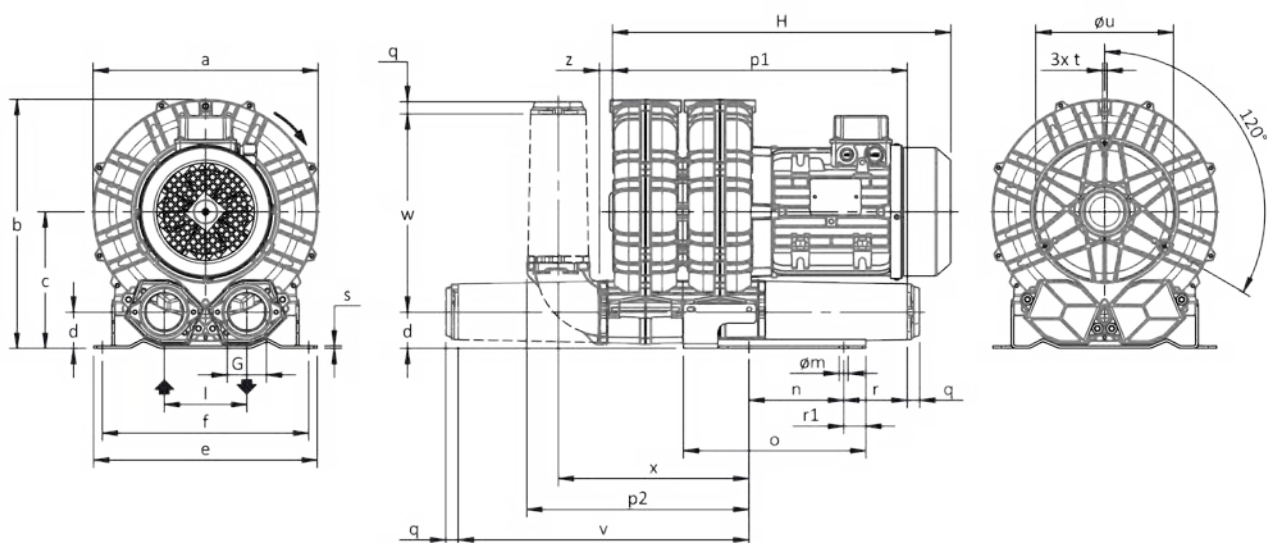
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions

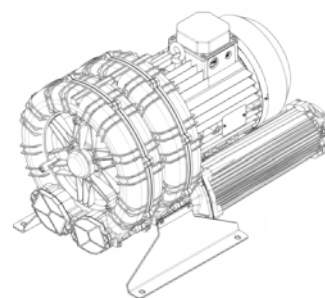


Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	365	200	54	-	325	290	G 2"	120	-	-	15	140	265	428	340	18	85	19	4	M8	200	440	285	293	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 – 415 / 200 – 240	600 – 720 / 345 – 415	50
	380 – 480 / 220 – 280	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]

Performance Table

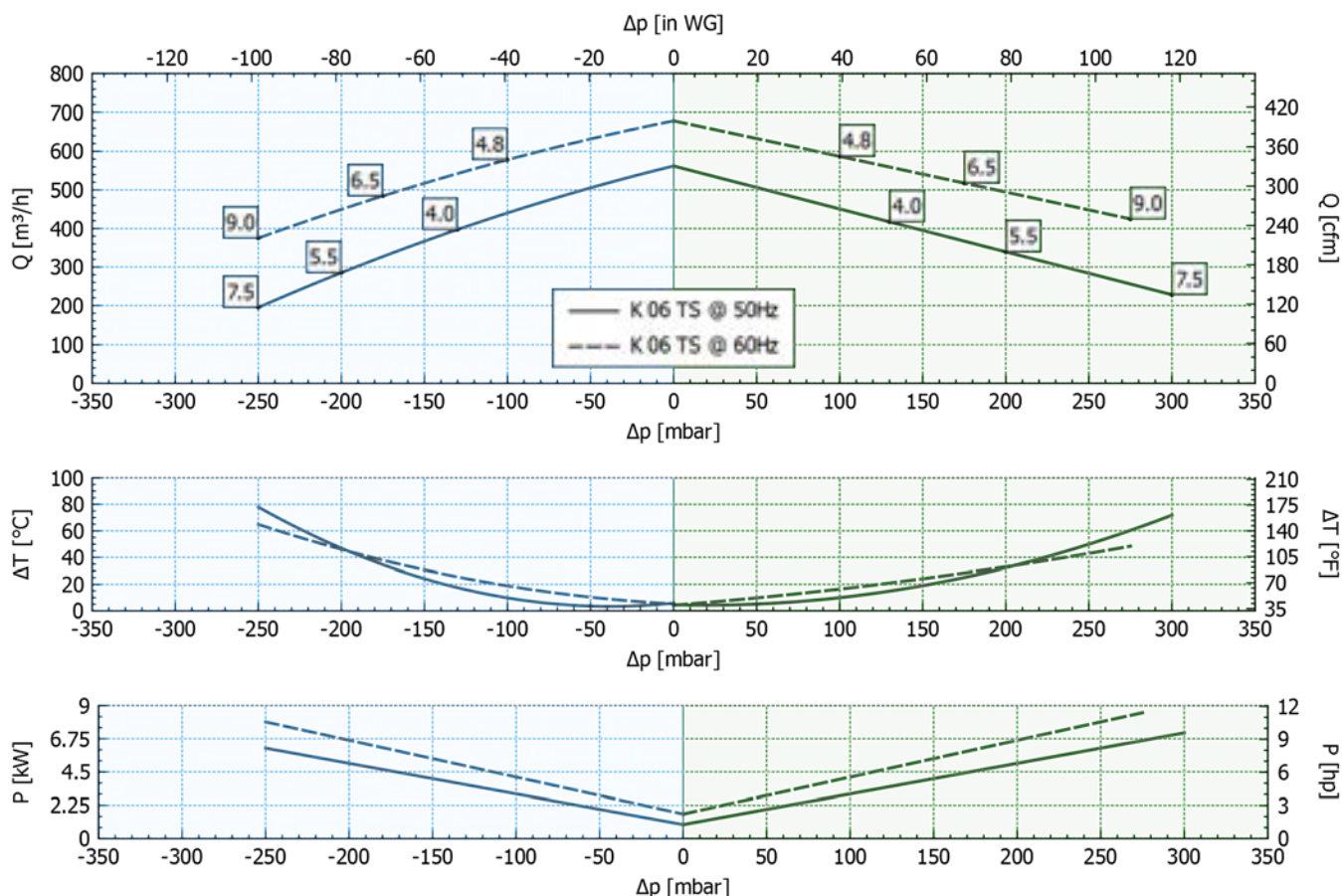
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	130	130	562	74.8	55.5	500	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	100	100	679	76.8	55.5	500	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	200	200	562	74.8	71.5	585	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	175	175	679	76.8	71.5	585	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	250	300	562	74.8	76.5	585	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	250	275	679	76.8	76.5	585	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

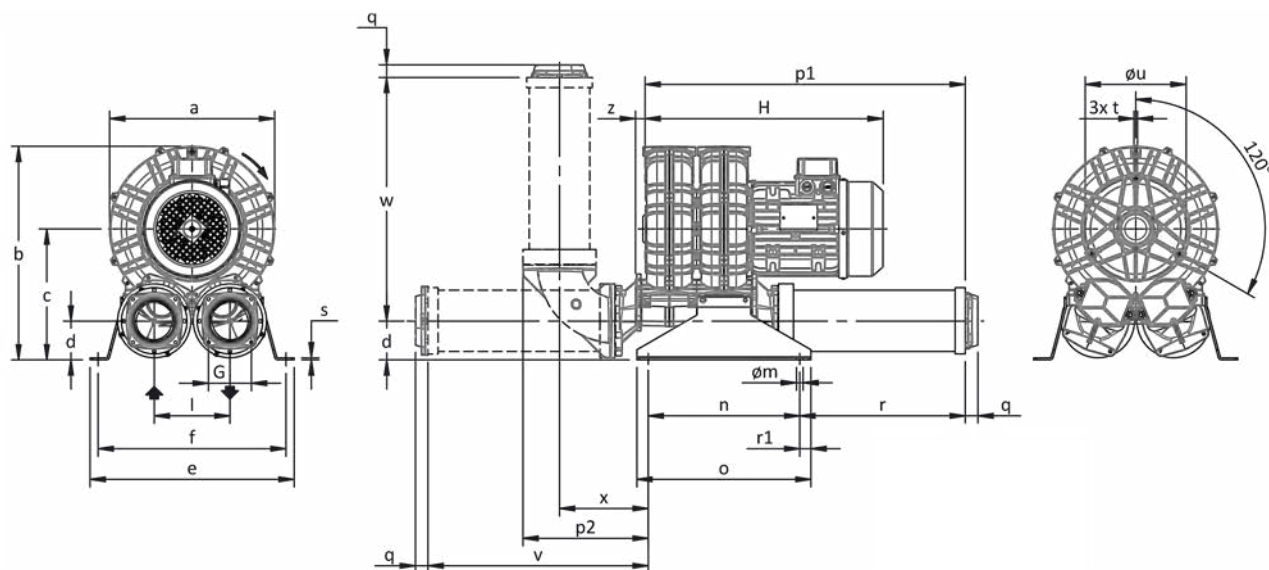


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
376	455	267	75	-	404	374	G 3"	155	-	-	13	300	345	662	268	25	335	22.5	4	M8	240	455	481	195	-	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

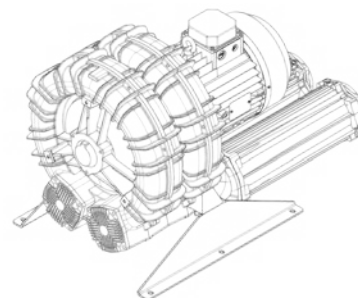
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

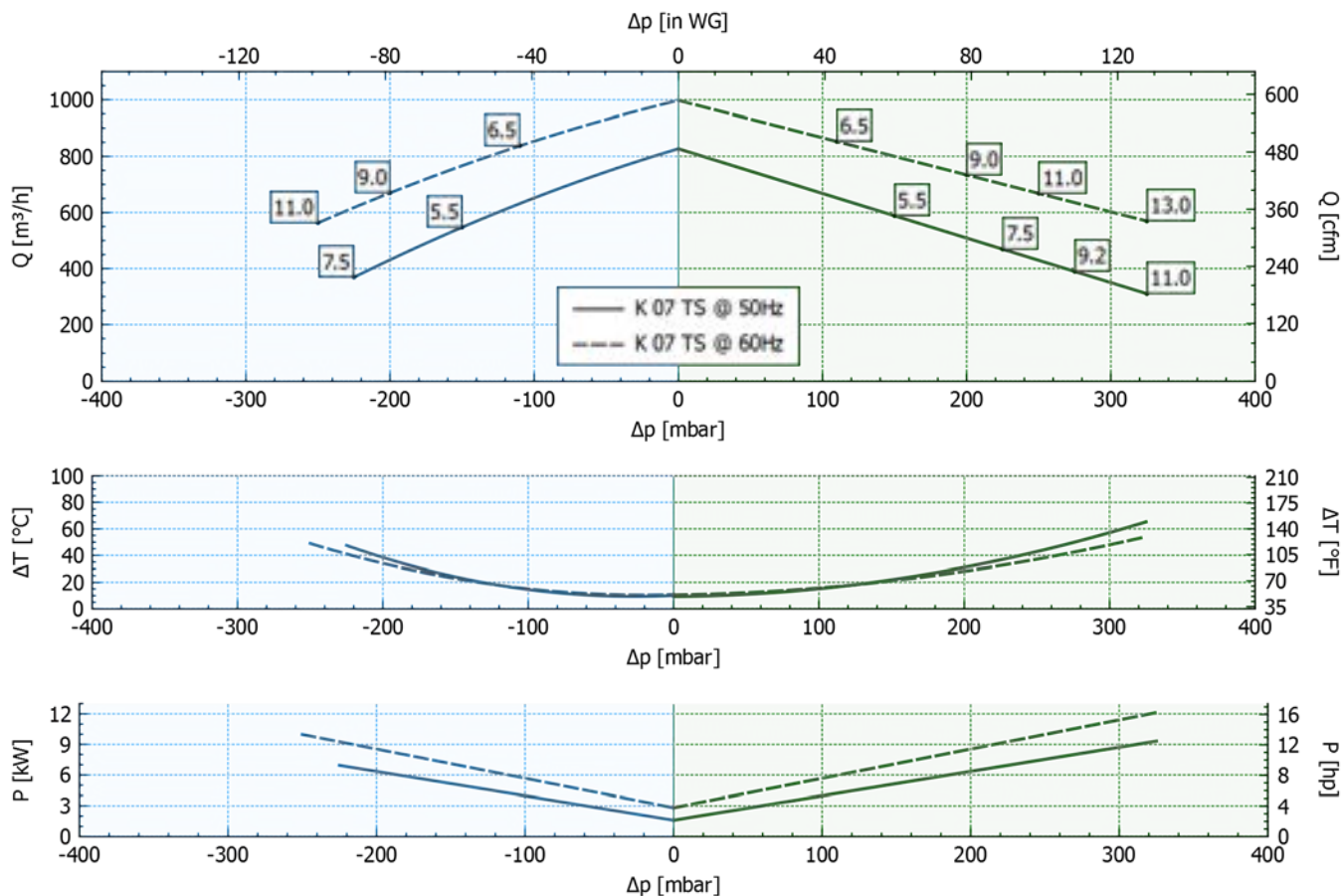
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	150	150	827	82.5	93.5	580	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	110	110	998	84.5	93.5	580	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	225	225	827	82.5	98.5	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	200	200	998	84.5	98.5	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	275	827	82.5	103.5	620	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	250	250	998	84.5	110	620	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	325	827	82.5	110	620	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	325	998	84.5	110	620	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

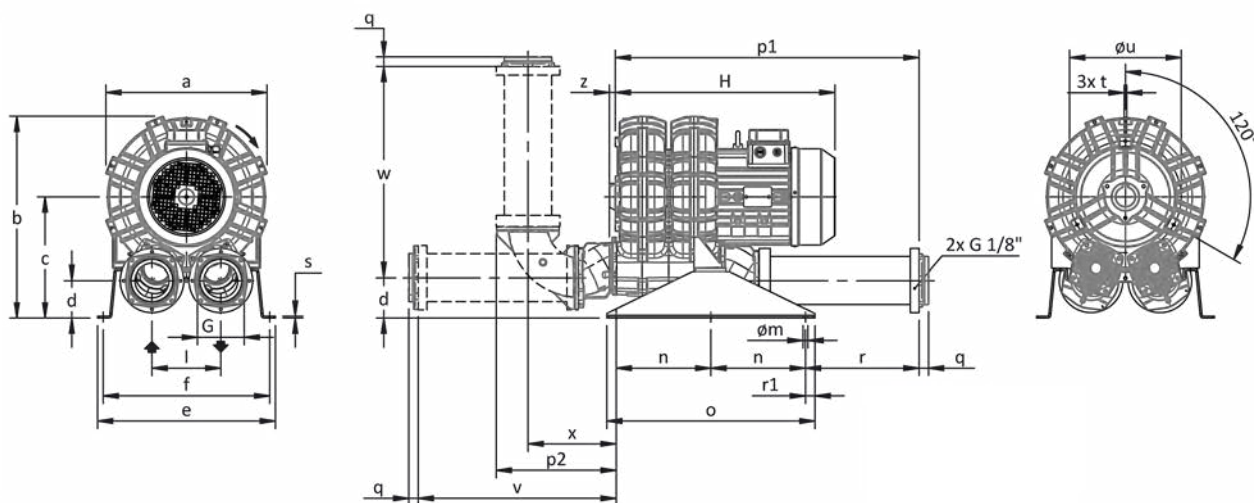


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
424	531	319	98	-	470	438	G 4"	182	-	-	13	250	550	802	315	25	299	25	5	M8	295	522	581	276	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

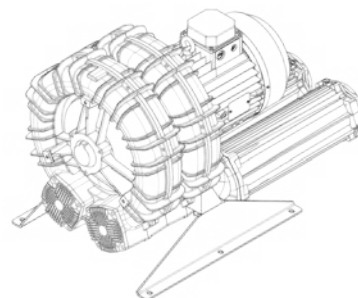
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



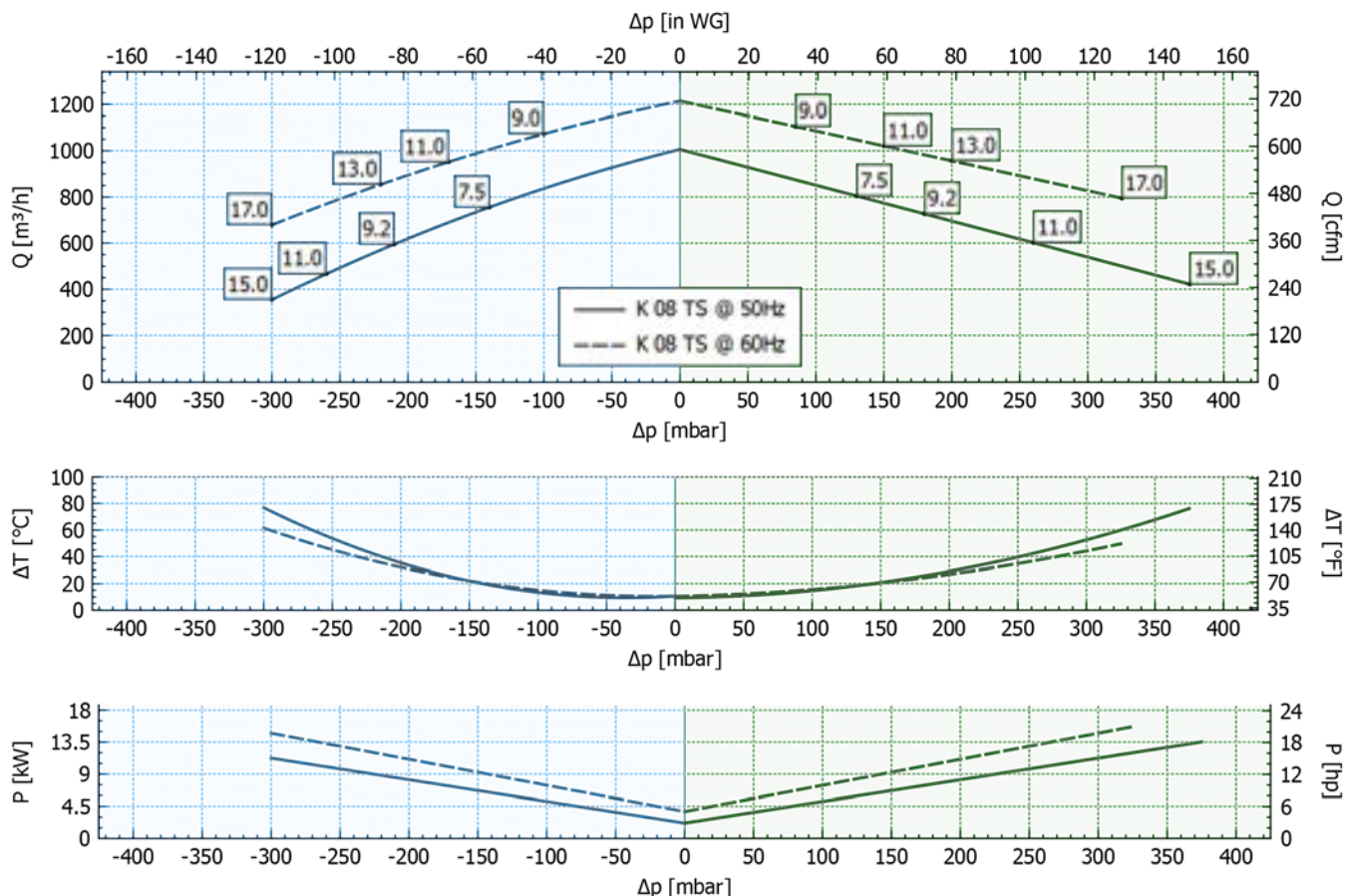
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	140	130	1006	78.9	104	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	100	85	1214	80.9	104	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	210	180	1006	78.9	109	620	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	170	150	1214	80.9	115.5	620	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	260	260	1006	78.9	115.5	620	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	220	200	1214	80.9	115.5	620	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	300	375	1006	78.9	133	695	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	300	325	1214	80.9	133	695	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

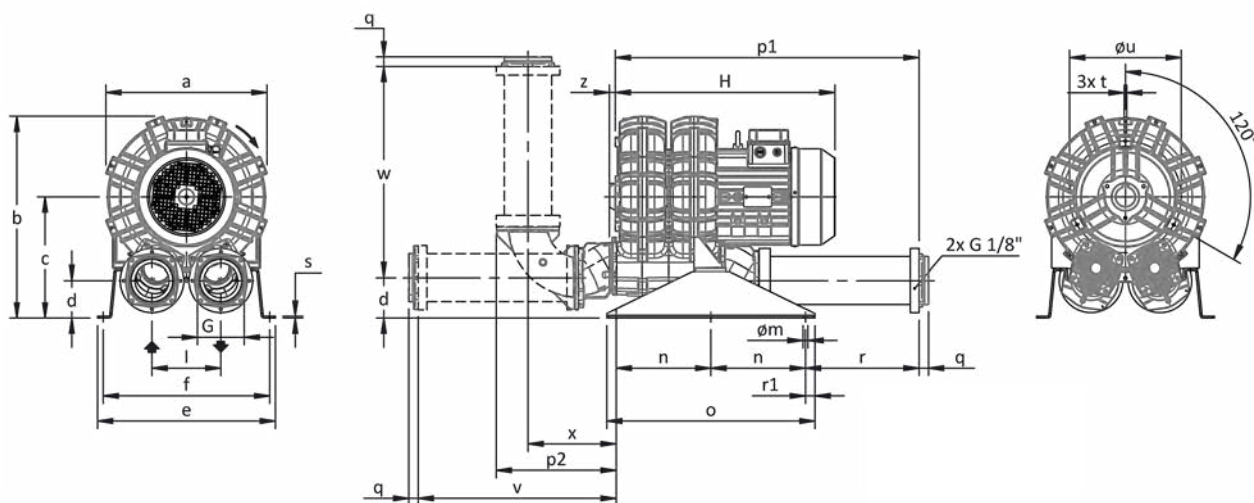
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
457	548	319	98	-	480	448	G 4"	182	-	-	13	250	550	802	315	25	299	25	5	M8	310	522	581	276	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

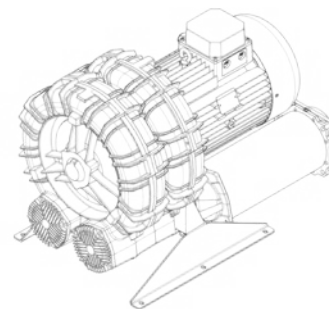
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

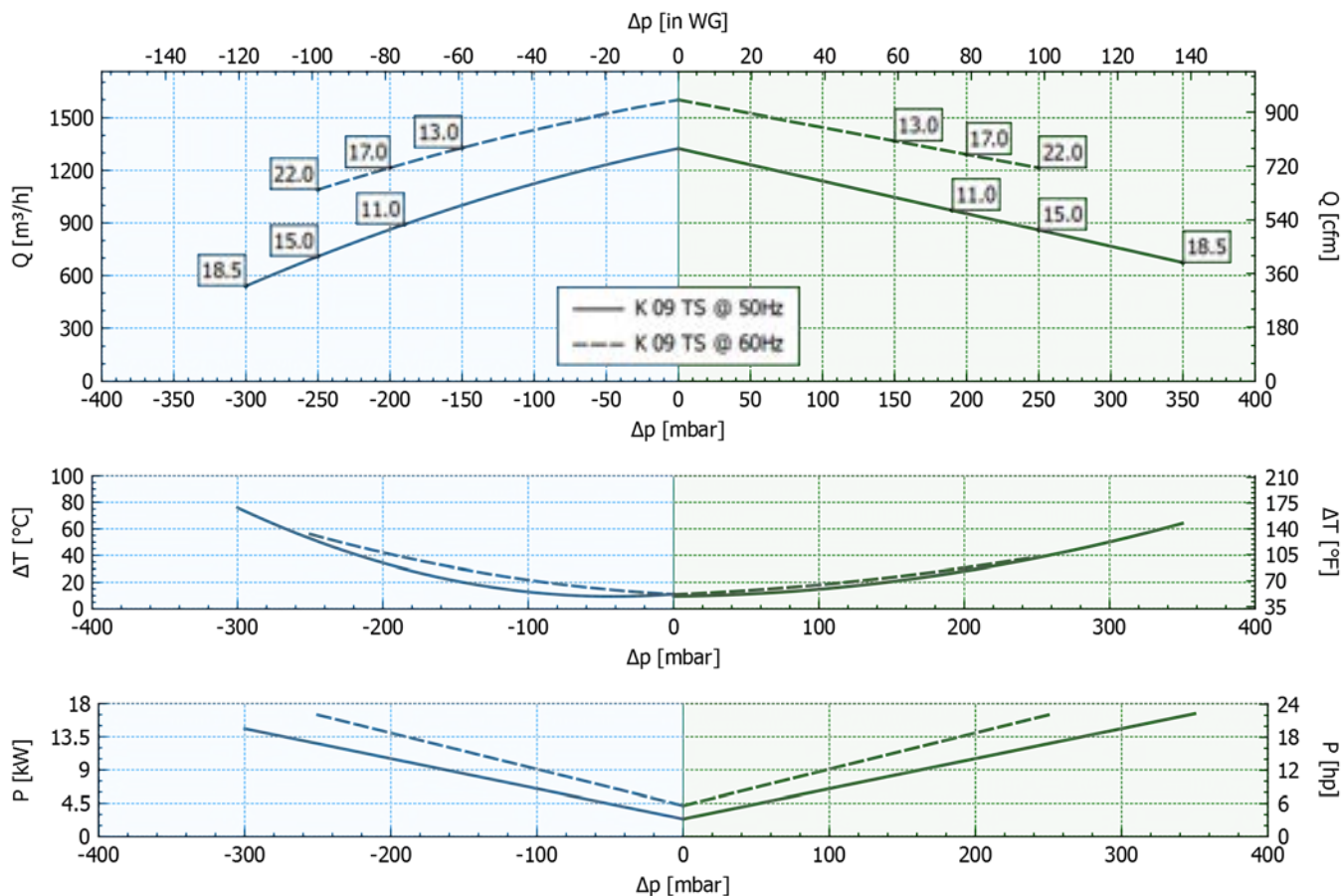
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	190	190	1325	80.1	136.5	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	150	150	1599	82.1	136.5	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	250	250	1325	80.1	157	727	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	200	200	1599	82.1	157	727	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	300	350	1325	80.1	183.5	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	250	250	1599	82.1	183.5	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

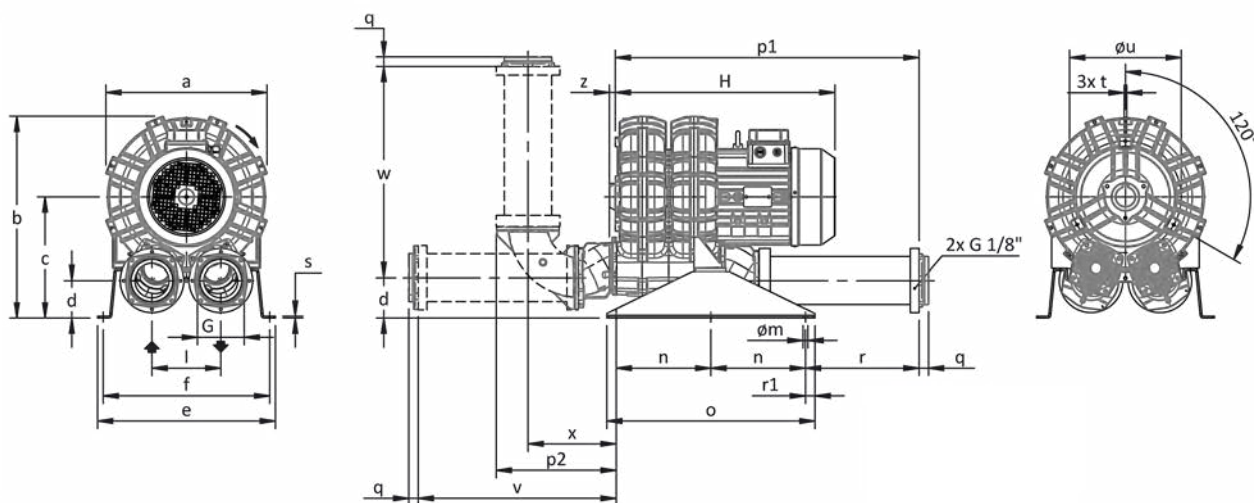


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20°C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
492	610	365	112	-	510	478	G 5"	210	-	-	13	250	550	850	447	35	315	25	5	M8	360	558	608	337	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

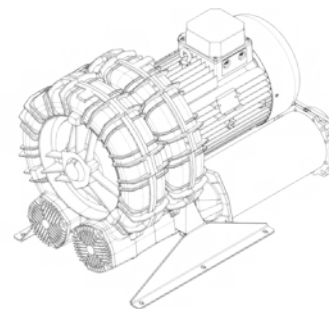
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

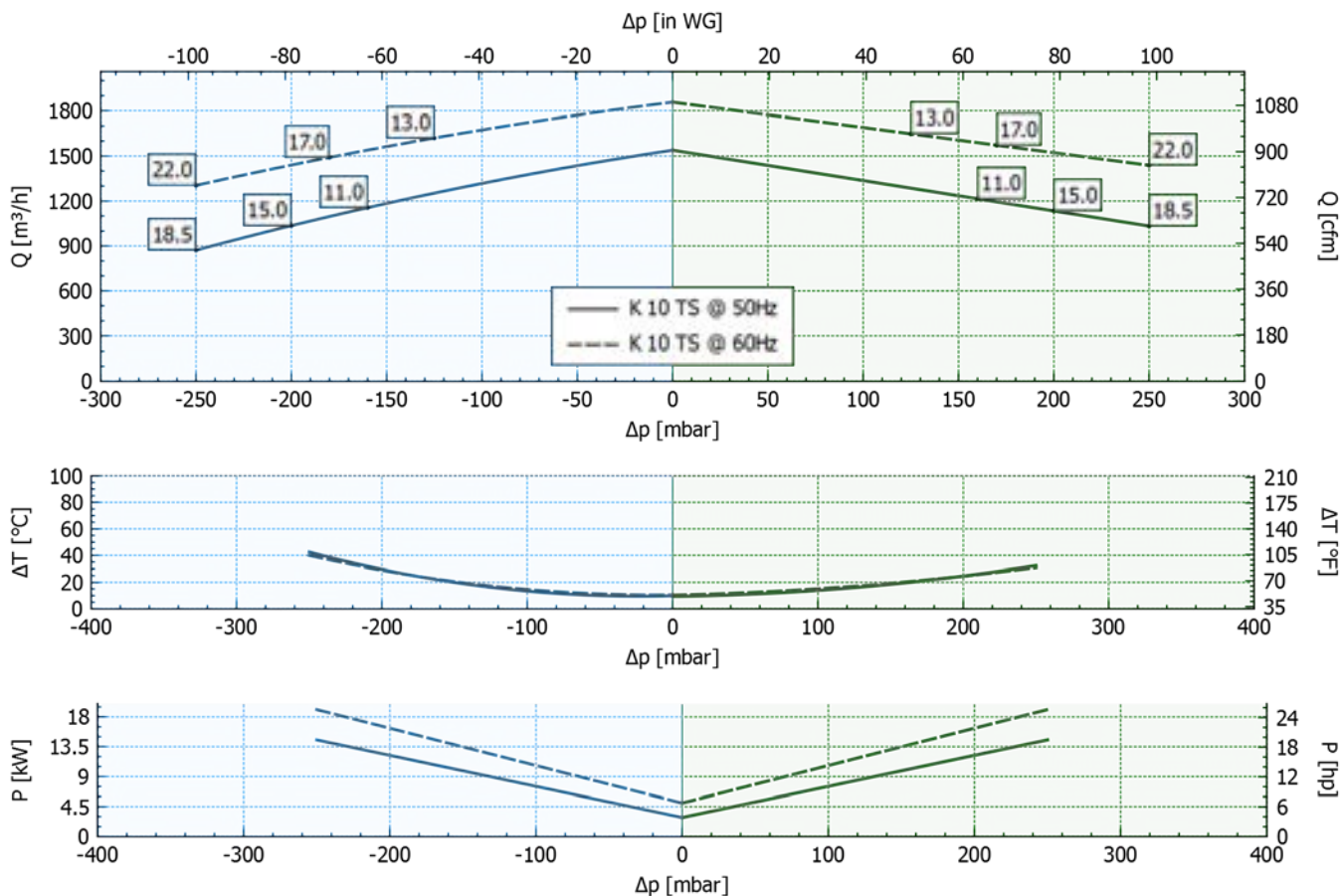
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m ³ /h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	160	160	1539	87.1	139.5	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	125	125	1857	89.1	139.5	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	200	200	1539	87.1	160	727	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	180	170	1857	89.1	160	727	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	250	250	1539	87.1	186.5	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	250	250	1857	89.1	186.5	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

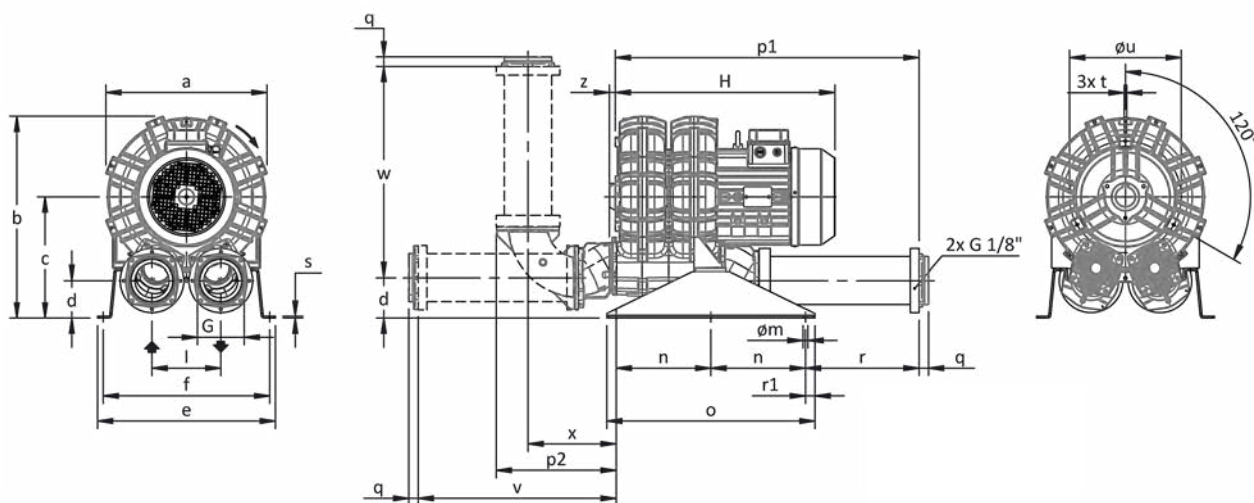


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
516	623	365	112	-	510	478	G 5"	210	-	-	13	250	550	850	447	35	315	25	5	M8	360	558	608	337	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

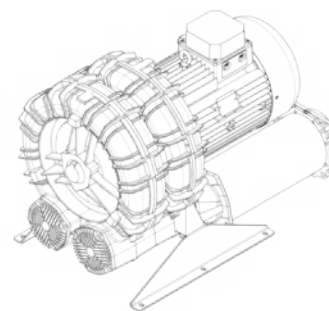
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



Performance Table

P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	160	160	1764	87.3	173.5	742	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	105	105	2129	90	173.5	742	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	220	220	1764	87.3	200	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	165	165	2129	90	200	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550
22³	50	275	275	1764	87.3	209.5	800	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26³	60	220	220	2129	90	209.5	800	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

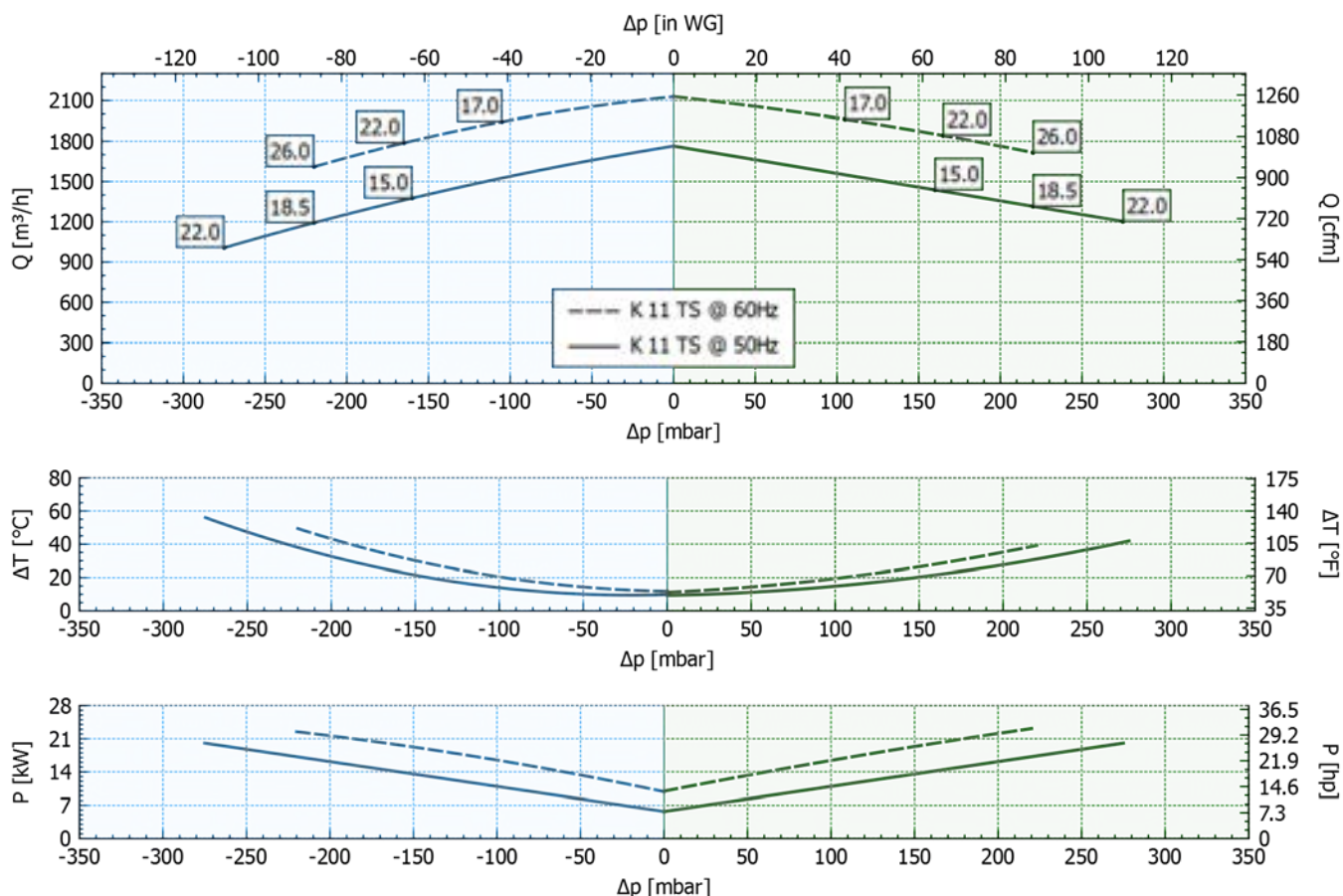
1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

3. Installable only vertically.

SUCTION

COMPRESSION

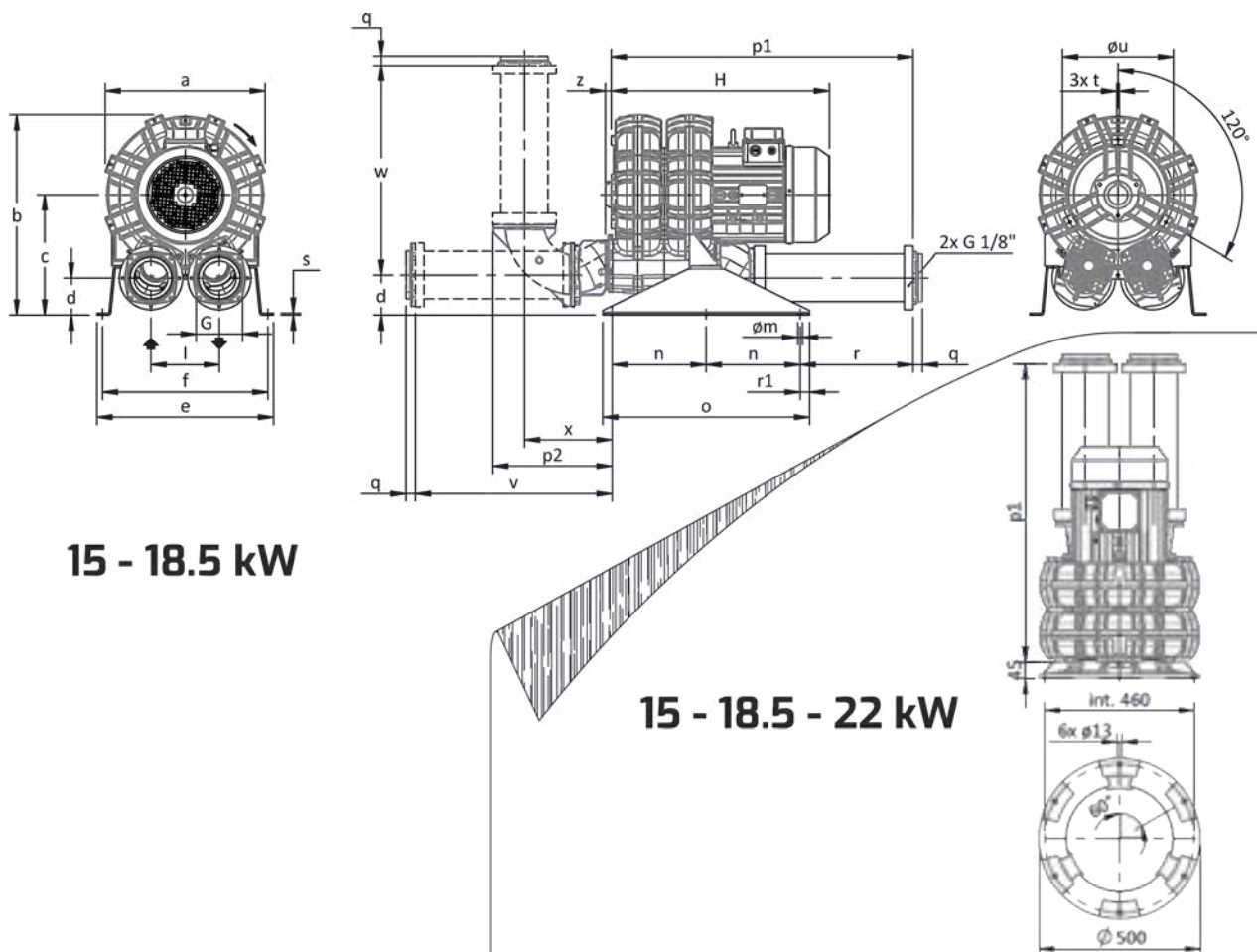


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



15 - 18.5 kW

15 - 18.5 - 22 kW

Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to Effepizeta.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	I	I1	I2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
542	650	380	106	-	540	508	G 5"	228	-	-	13	250	550	870	462	35	320	25	5	M8	390	573	608	352	-	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

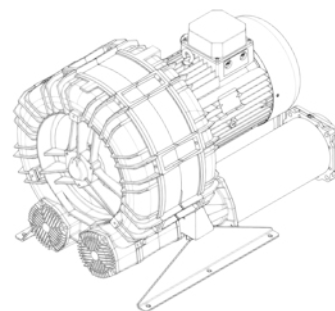
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



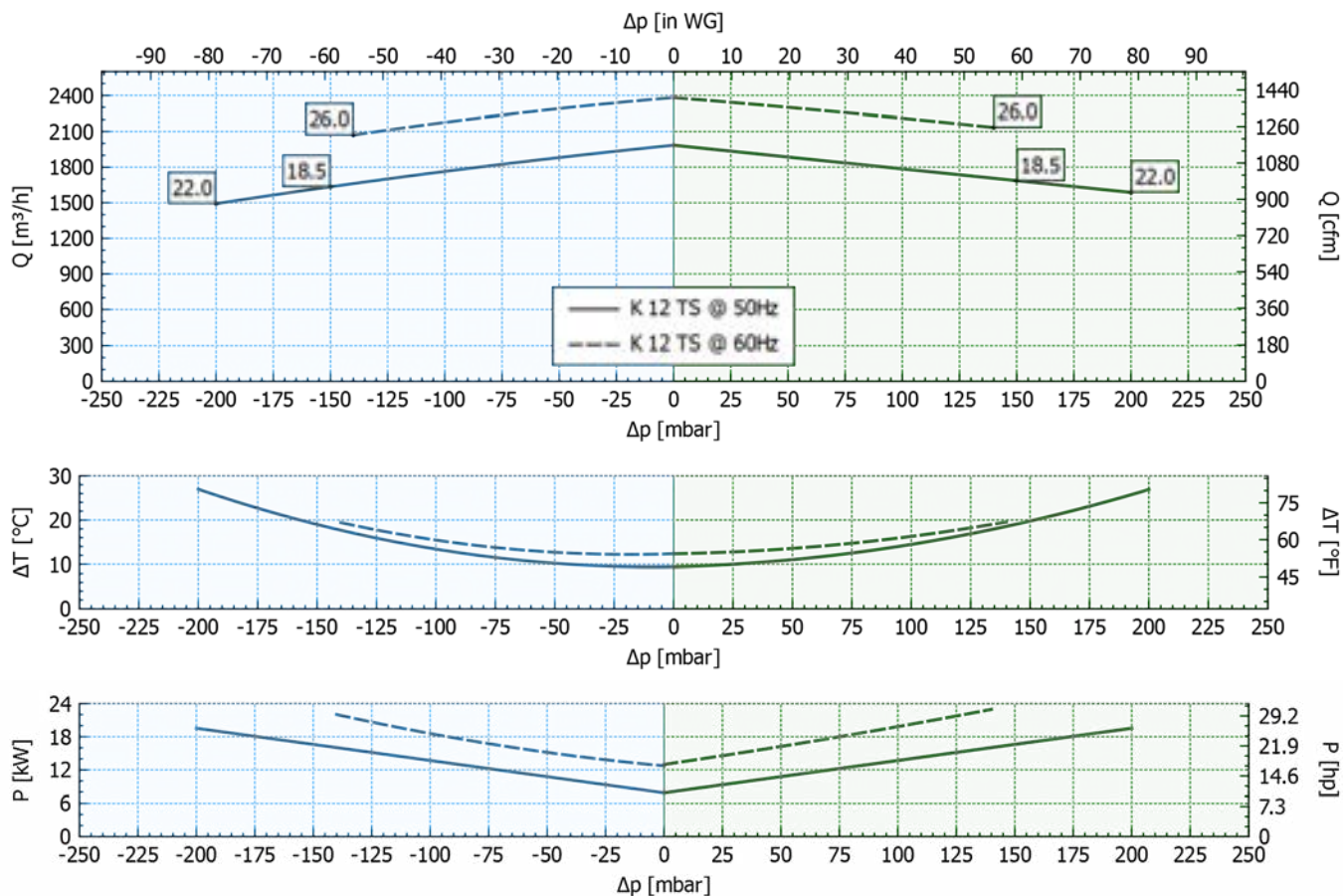
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
18.5	50	150	150	1985	89.3	200	815	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	50	200	200	1985	89.3	209.5	815	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26	60	140	140	2382	91.3	209.5	815	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

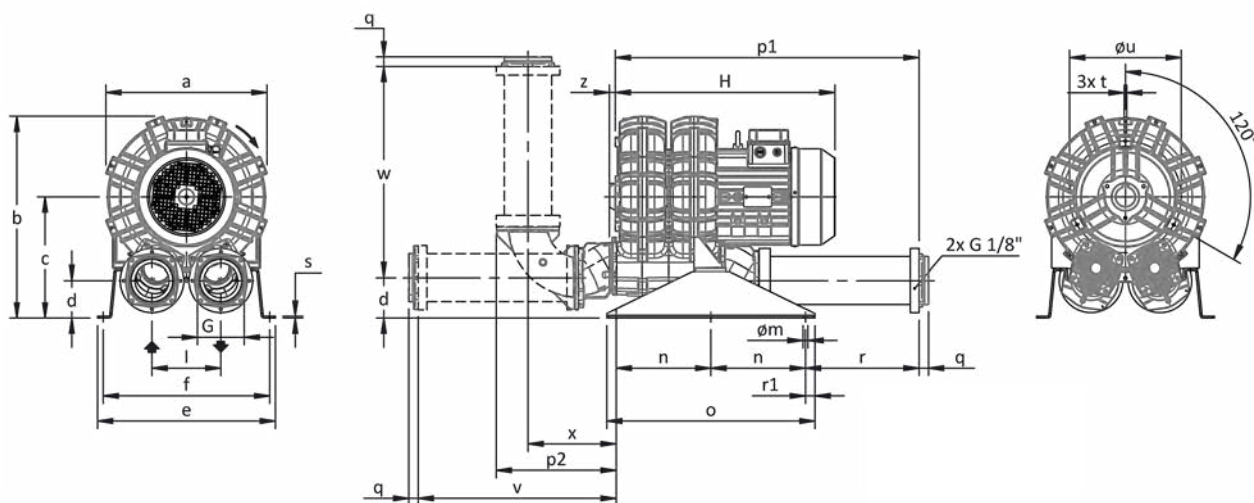
SUCTION

COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
548	653	380	106	-	540	508	G 5"	228	-	-	13	250	550	883	462	35	320	25	5	M8	390	573	608	352	-	13

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

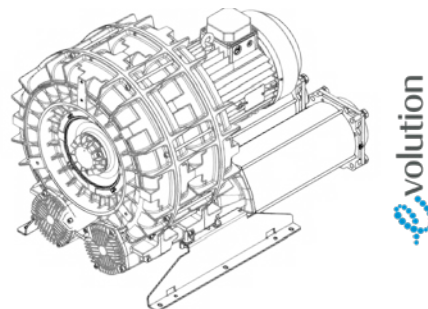
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



Performance Table

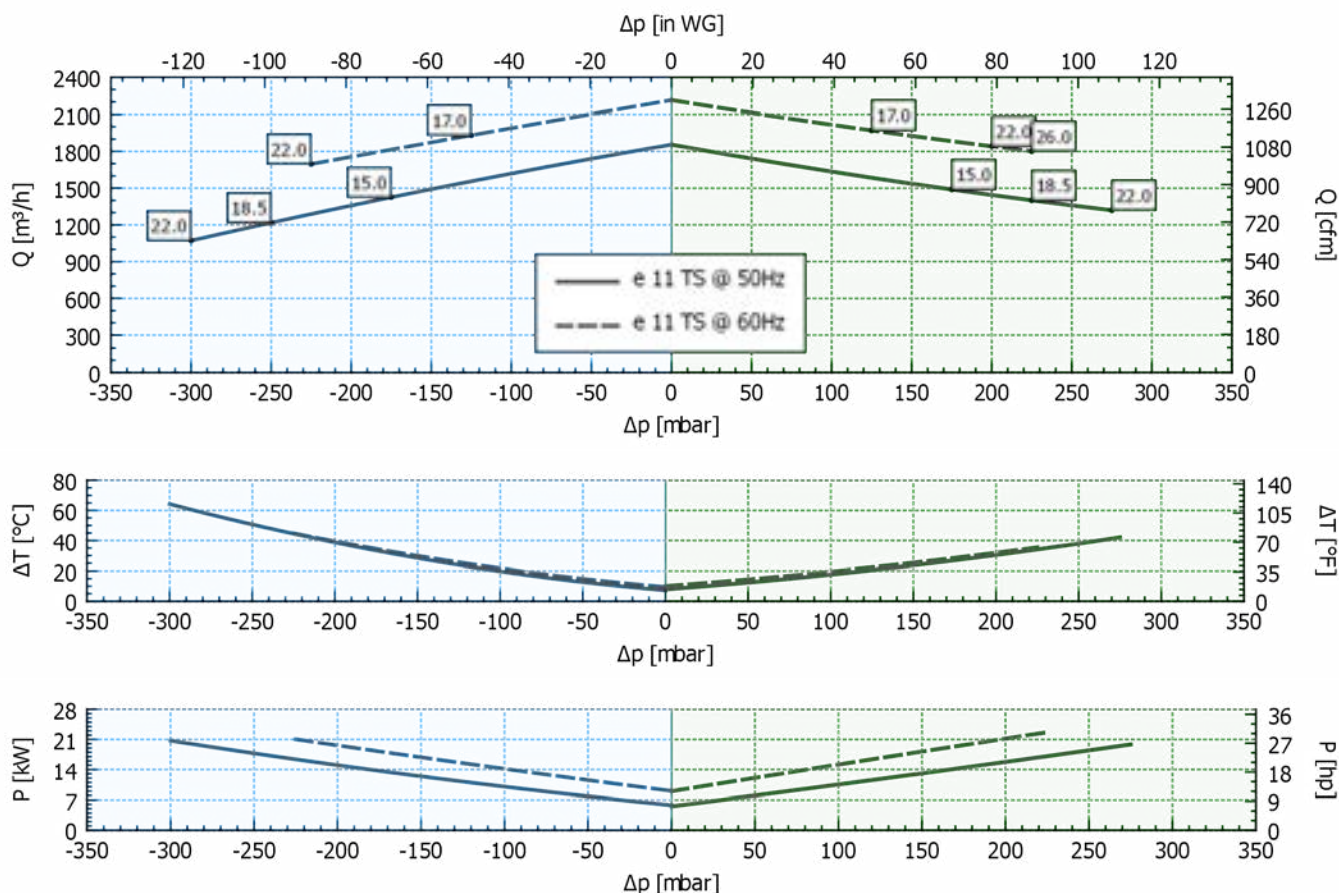
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	175	175	1855	82	189	740	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	125	125	2215	86	189	740	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	250	225	1855	82	210	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	225	200	2215	86	210	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550
22	50	300	275	1855	82	222	800	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26	60	-	225	2215	86	222	800	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

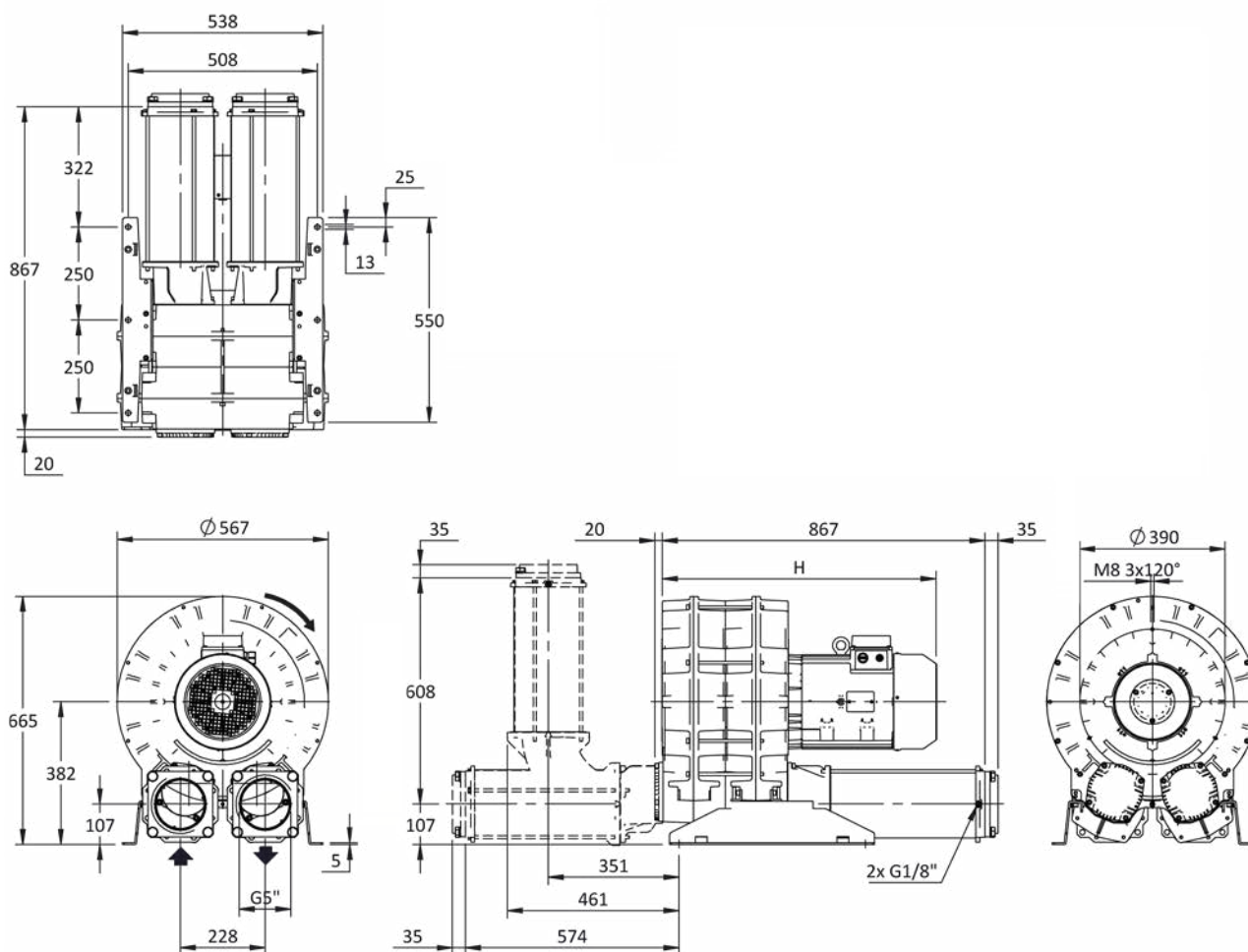


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to Effepizeta.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

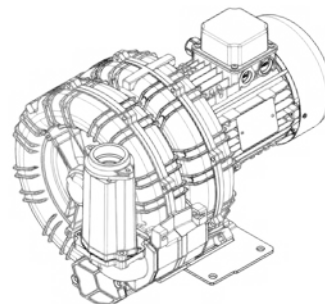
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



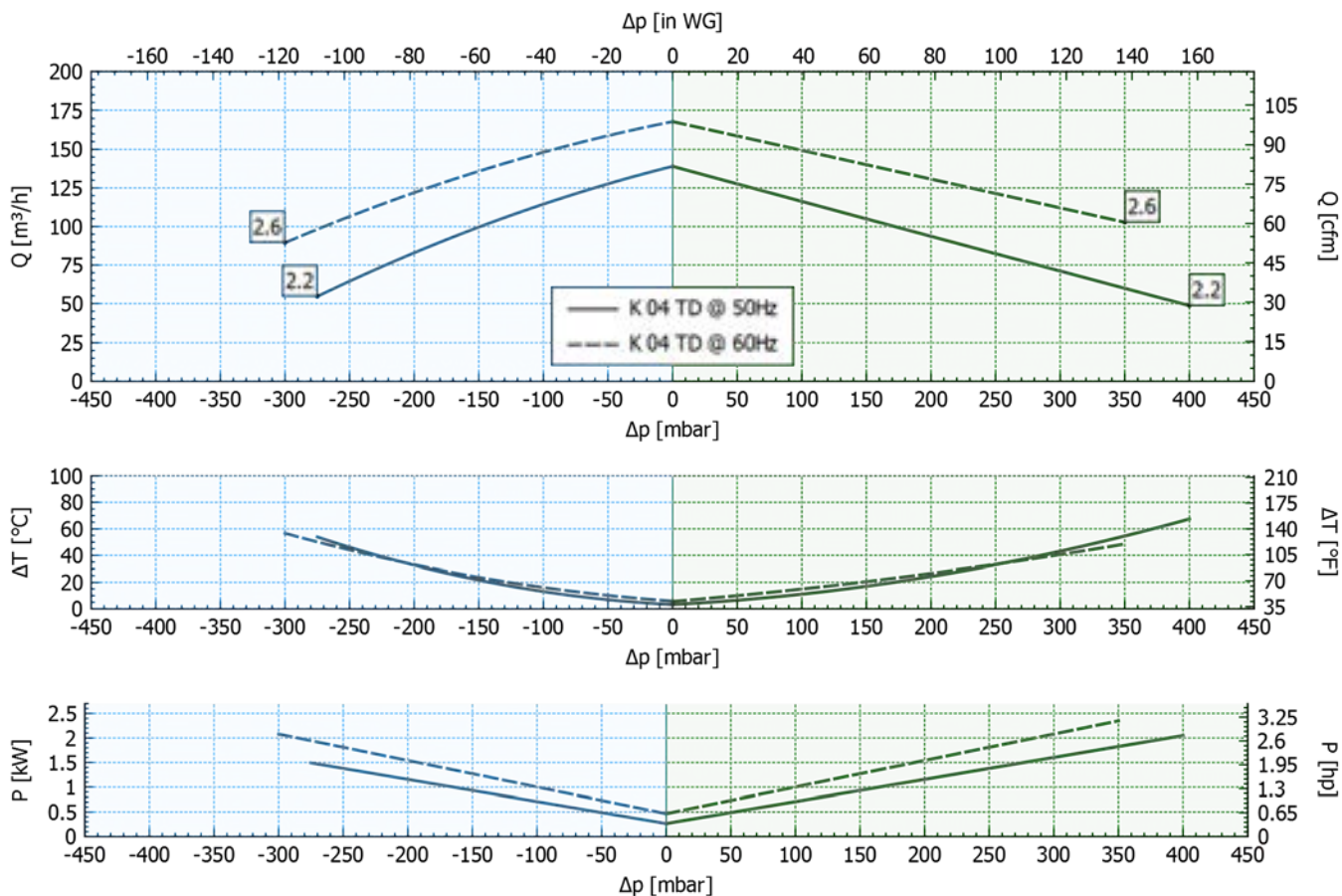
Performance Table

P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
2.2	50	275	400	139	67.6	30.5	440	4.49 / 7.78	4.90-4.55 / 8.49-7.88	0.82	2900
2.6	60	300	350	168	69.6	30.5	440	4.46 / 7.72	5.23-4.47 / 9.06-7.74	0.84	3495

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. See figure "dimensions" at following page.

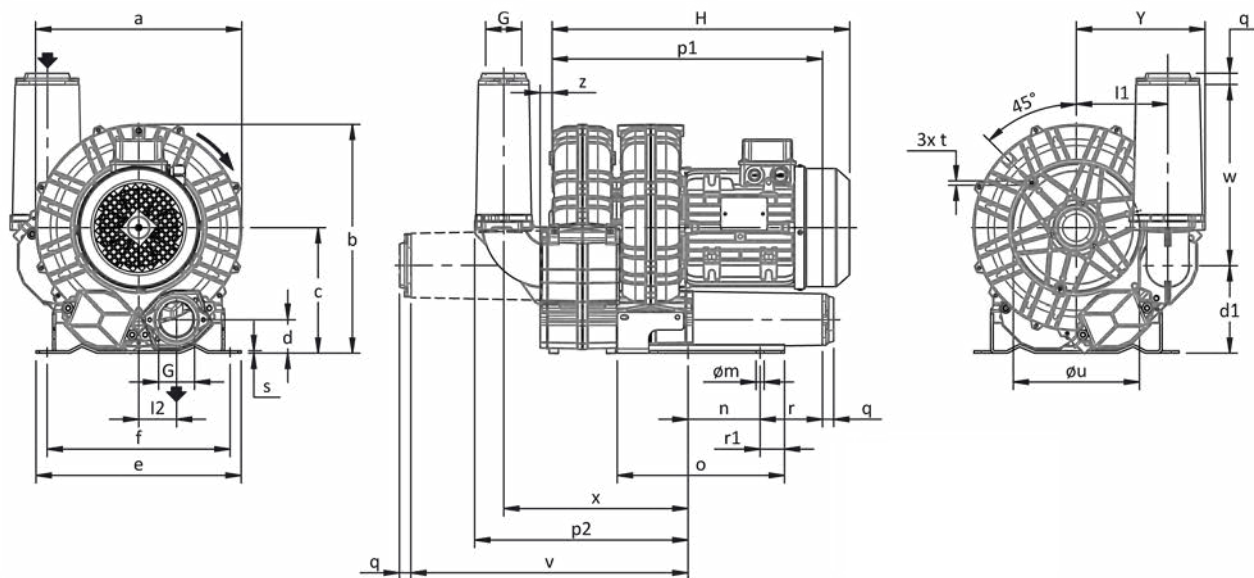
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
285	315	172	49	121	255	225	G 1" 1/2	-	123	51	12	95	171	316	254	18	70	15	4	M6	175	288	188	214	173	18

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

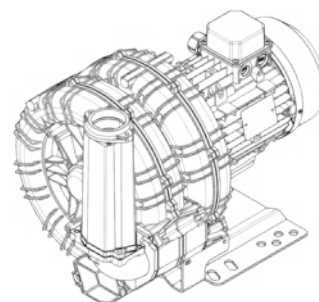
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide	345 – 415 / 200 – 240	50
Range	380 – 480 / 220 – 280	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

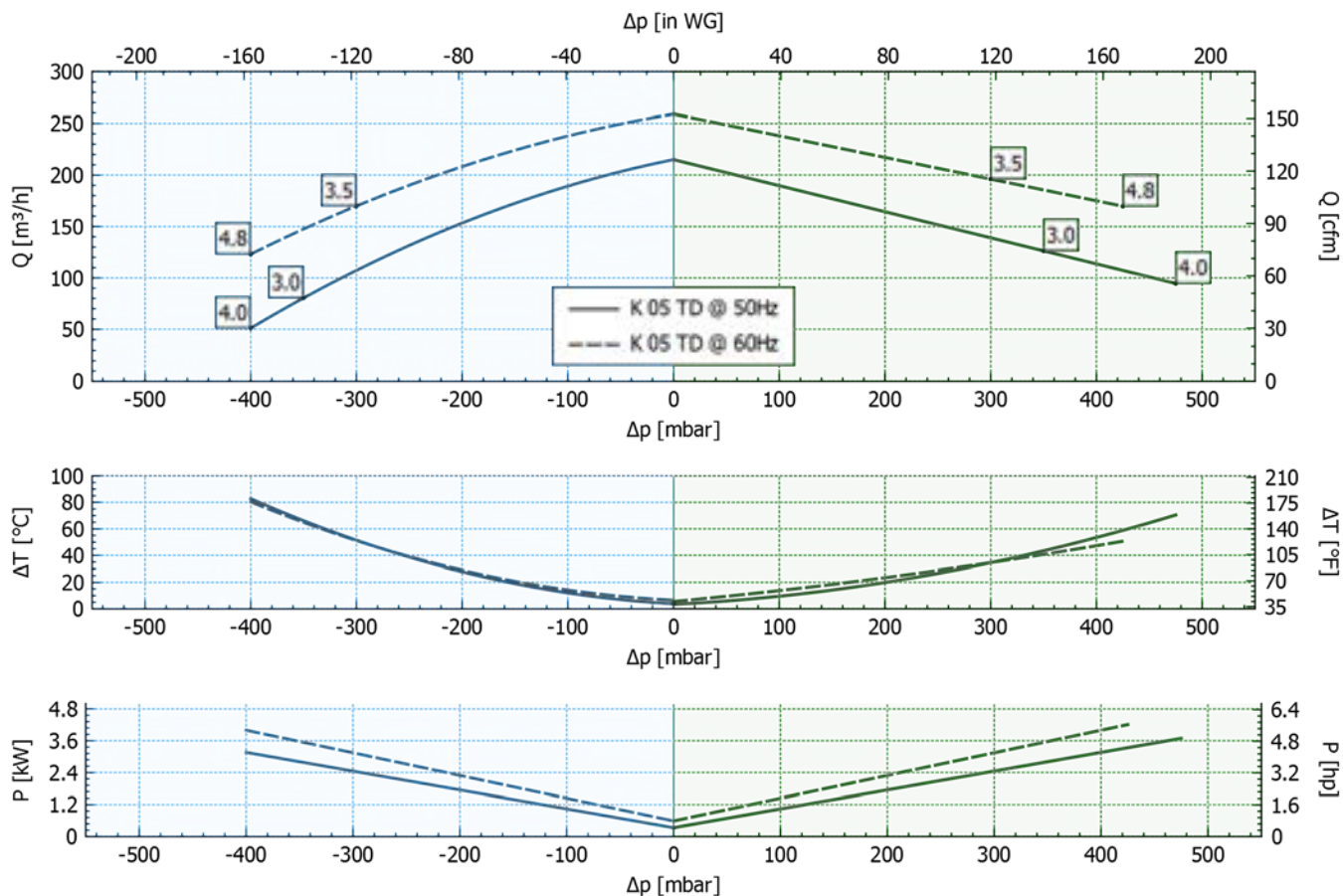
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
3	50	350	350	215	70.6	44.5	475	6.25 / 10.8	6.66-6.43 / 11.5-11.1	0.80	2930
3.5	60	300	300	259	72.6	44.5	475	6.20 / 10.7	7.05-6.19 / 12.2-10.7	0.82	3525
4	50	400	475	215	70.6	45.5	495	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	400	425	259	72.6	45.5	495	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

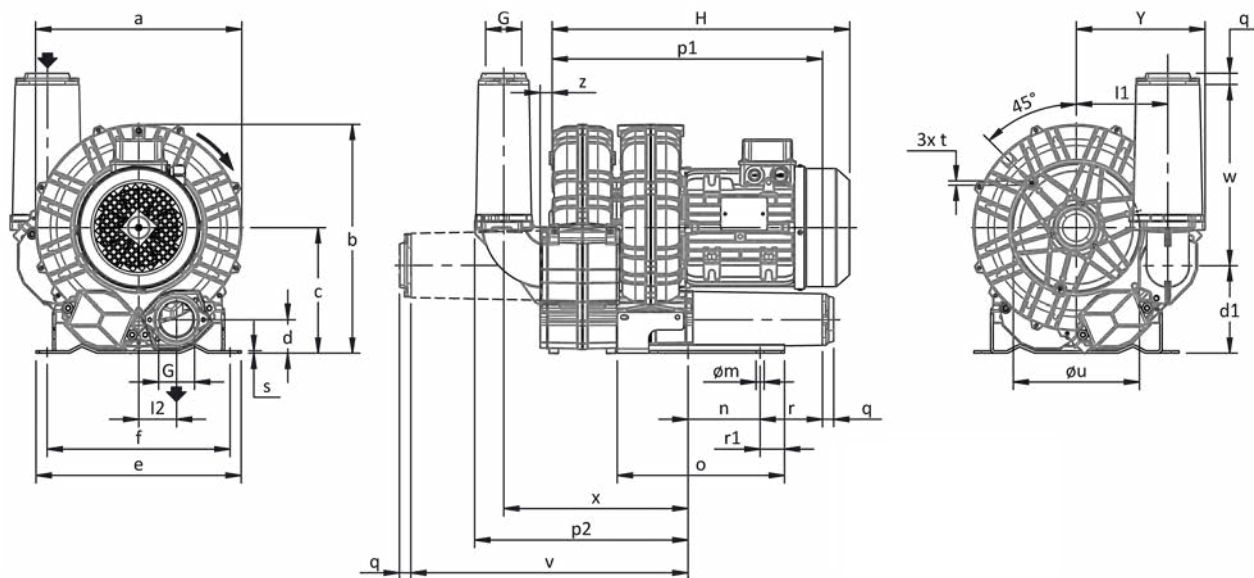


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
327	365	200	54	140	325	260	G 2"	-	145	60	15	115	265	428	340	18	98	38.5	4	M8	200	440	285	293	206	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

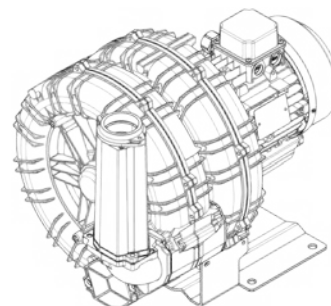
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)		[Hz]
	≤ 4 kW	> 4 kW	
IE3	400 / 230	690 / 400	50
	460 / 265	795 / 460	60
Wide Range	345 - 415 / 200 - 240	600 - 720 / 345 - 415	50
	380 - 480 / 220 - 280	660 - 830 / 380 - 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



Performance Table

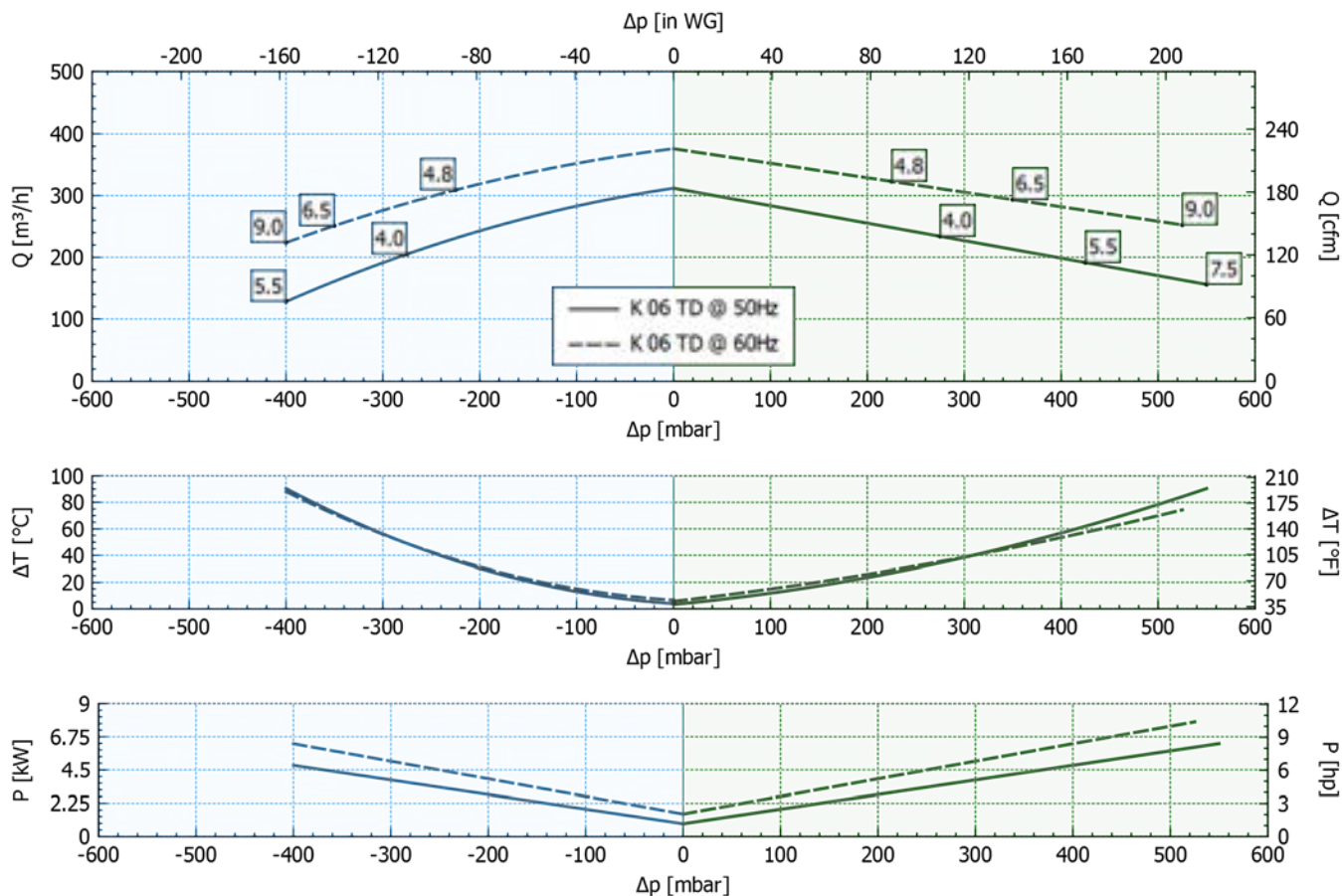
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
4	50	275	275	312	72.6	52.5	500	7.93 / 13.7	8.55-8.06 / 14.8-14.0	0.82	2910
4.8	60	225	225	376	74.6	52.5	500	7.94 / 13.8	9.31-7.93 / 16.1-13.7	0.85	3500
5.5	50	400	425	312	72.6	68.5	585	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	350	350	376	74.6	68.5	585	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	-	550	312	72.6	73.5	585	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	400	525	376	74.6	73.5	585	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

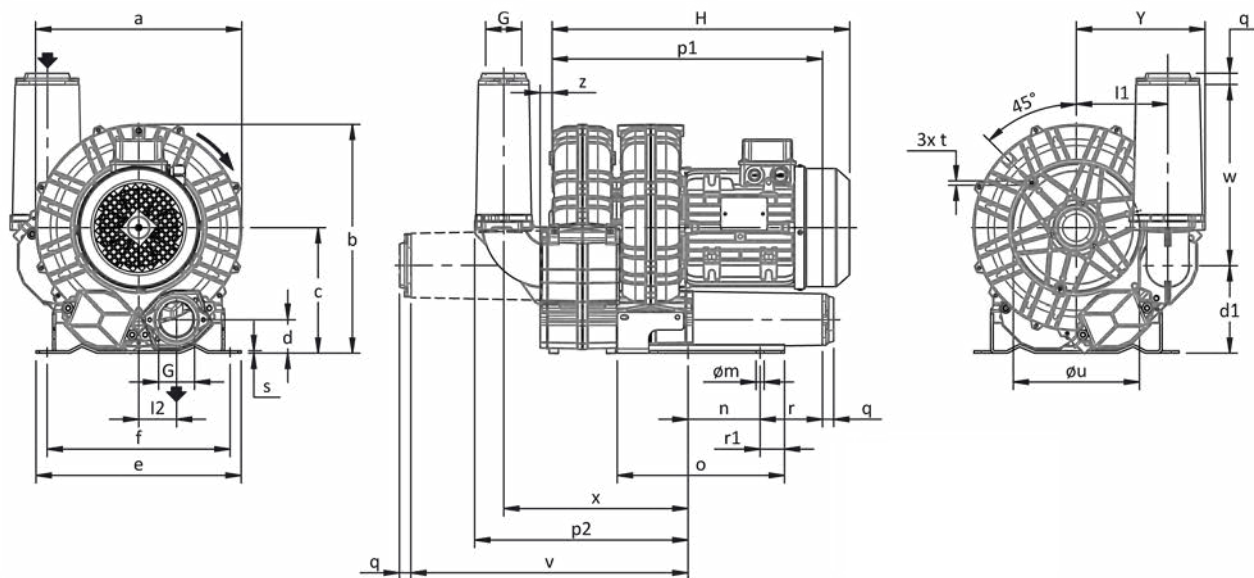


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
376	420	232	59	170	325	290	G 2"	-	151	73	15	140	265	508	354	18	136	19	4	M8	240	455	285	308	210	19

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

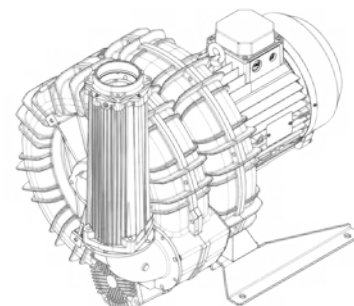
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

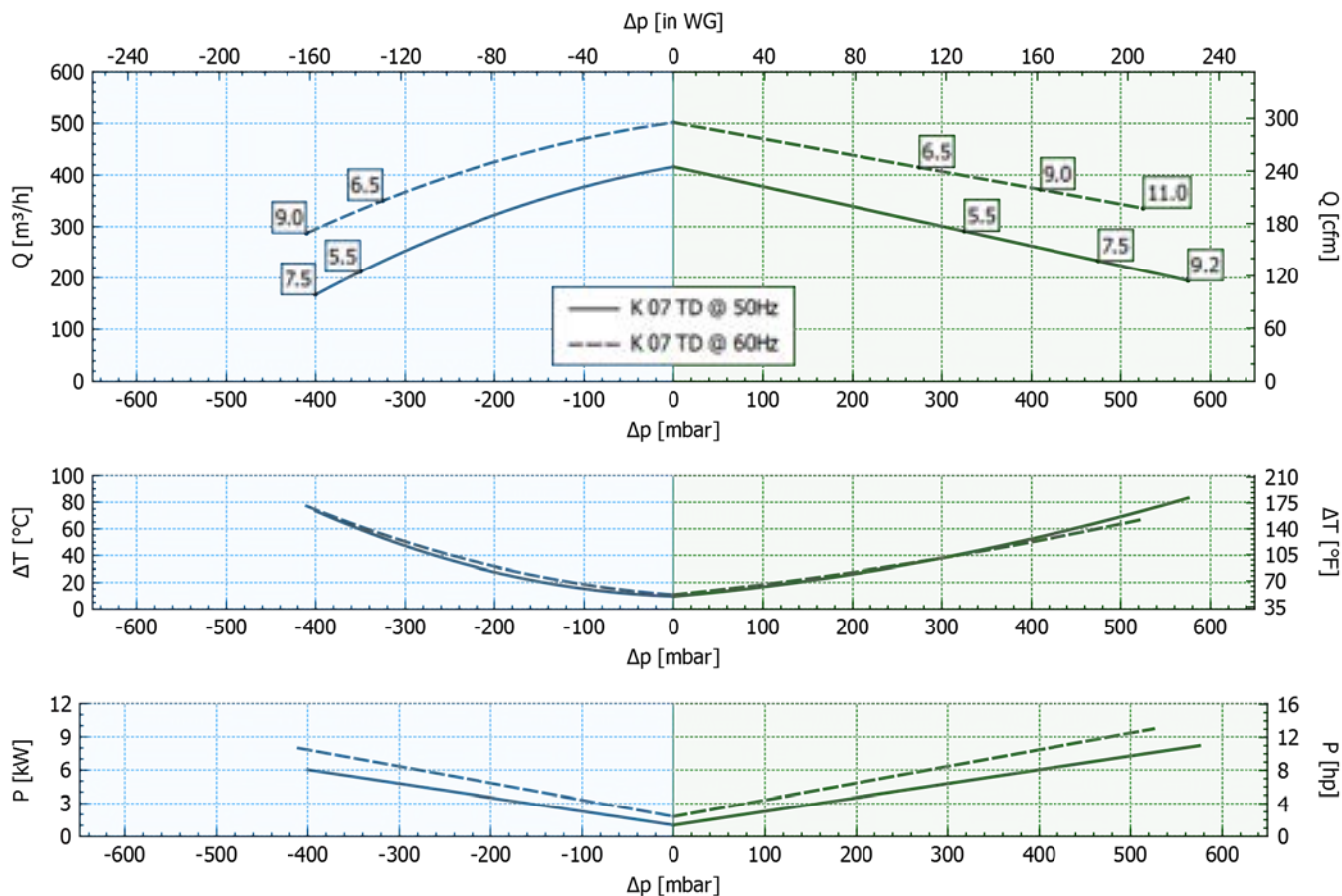
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
5.5	50	350	325	416	74.6	89.5	580	6.41 / 11.1	6.70-6.64 / 11.6-11.5	0.80	2940
6.5	60	325	275	502	76.6	89.5	580	6.35 / 11.0	7.10-6.41 / 12.3-11.1	0.83	3530
7.5	50	400	475	416	74.6	94.5	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	410	410	502	76.6	94.5	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	-	575	416	74.6	99.5	620	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	-	525	502	76.6	99.5	620	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

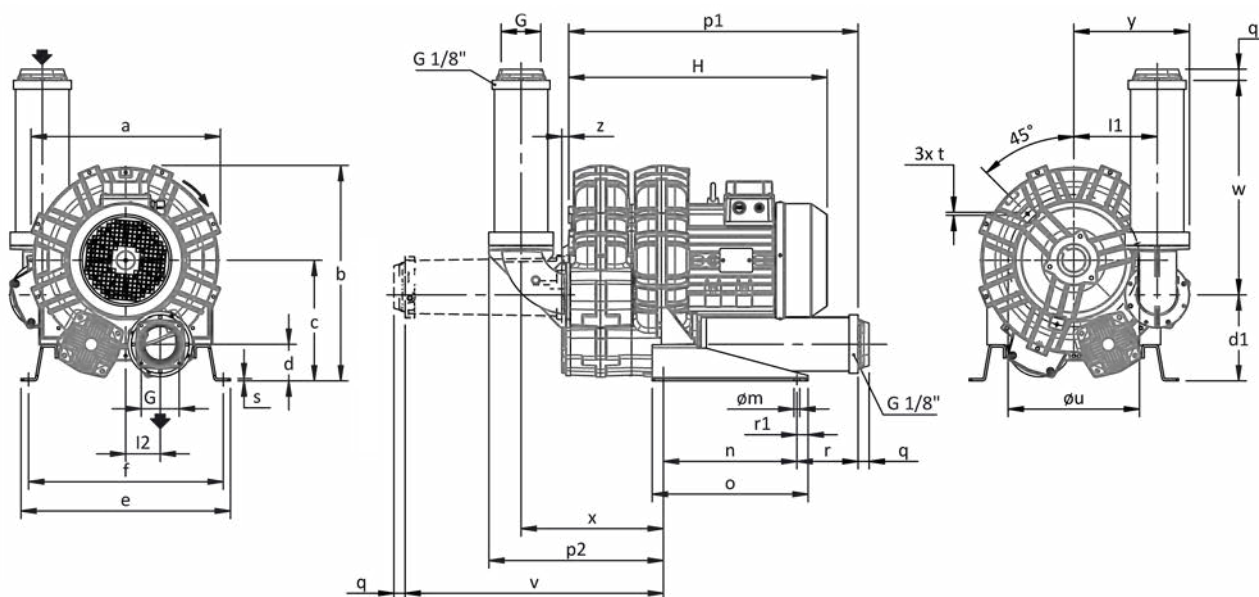


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
424	481	269	82	192	470	438	G 3"	-	187	77.5	13	300	350	650	392	25	137	25	5	M8	295	581	481	319	260	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

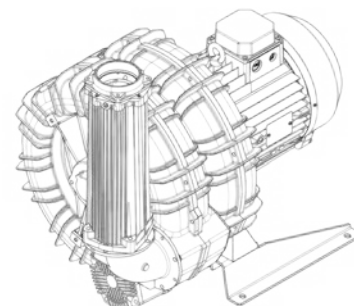
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



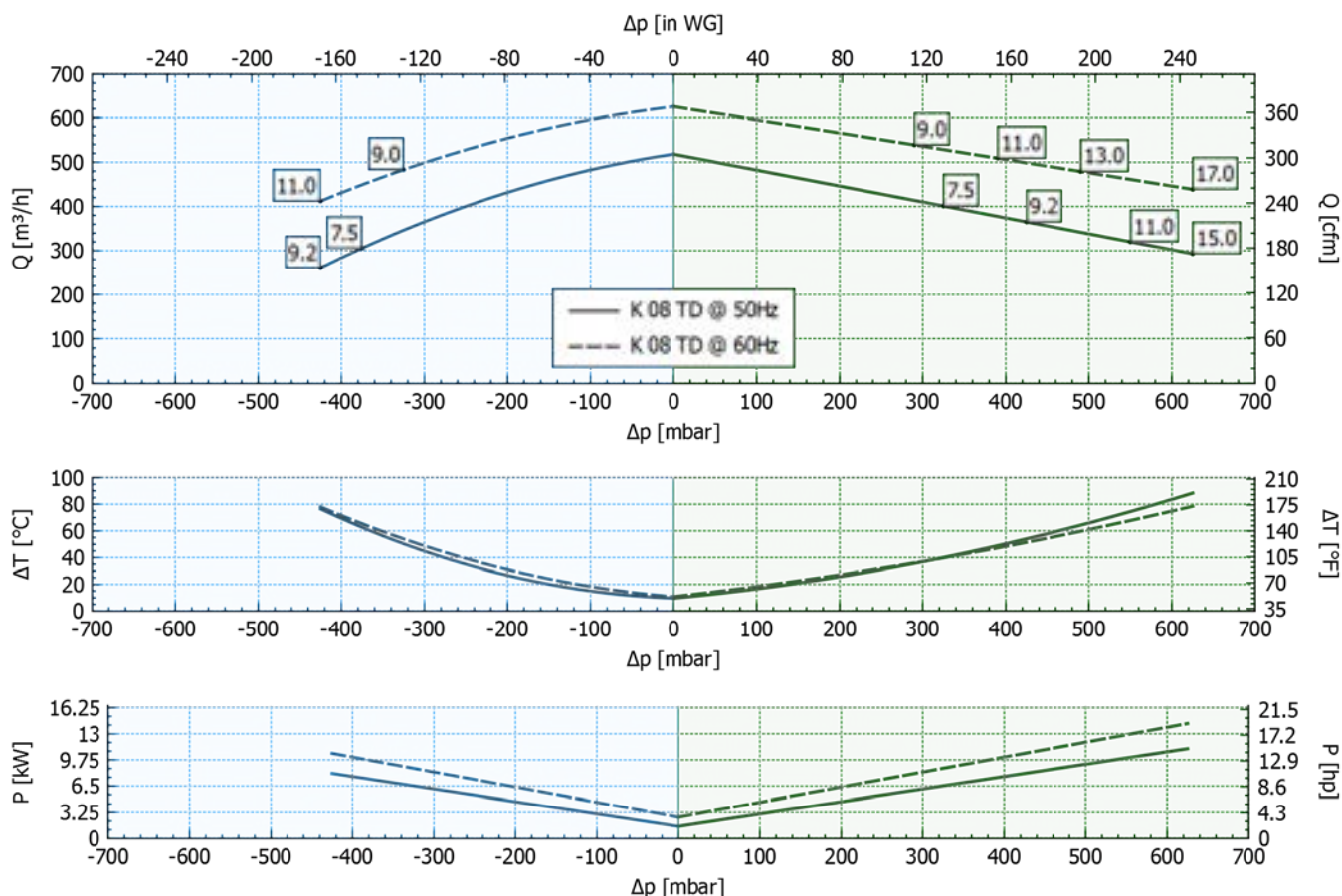
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
7.5	50	375	325	518	77	100.5	580	8.95 / 15.5	9.06-9.30 / 15.7-16.1	0.78	2940
9	60	325	290	625	79	100.5	580	8.78 / 15.2	9.71-8.97 / 16.8-15.5	0.82	3535
9.2	50	425	425	518	77	105.5	620	10.3 / 17.8	10.9-10.5 / 18.9-18.1	0.83	2935
11	60	425	390	625	79	112	620	10.2 / 17.7	11.7-10.3 / 20.3-17.8	0.86	3530
11	50	-	550	518	77	112	620	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	-	490	625	79	112	620	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	-	625	518	77	129	695	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	-	625	625	79	129	695	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

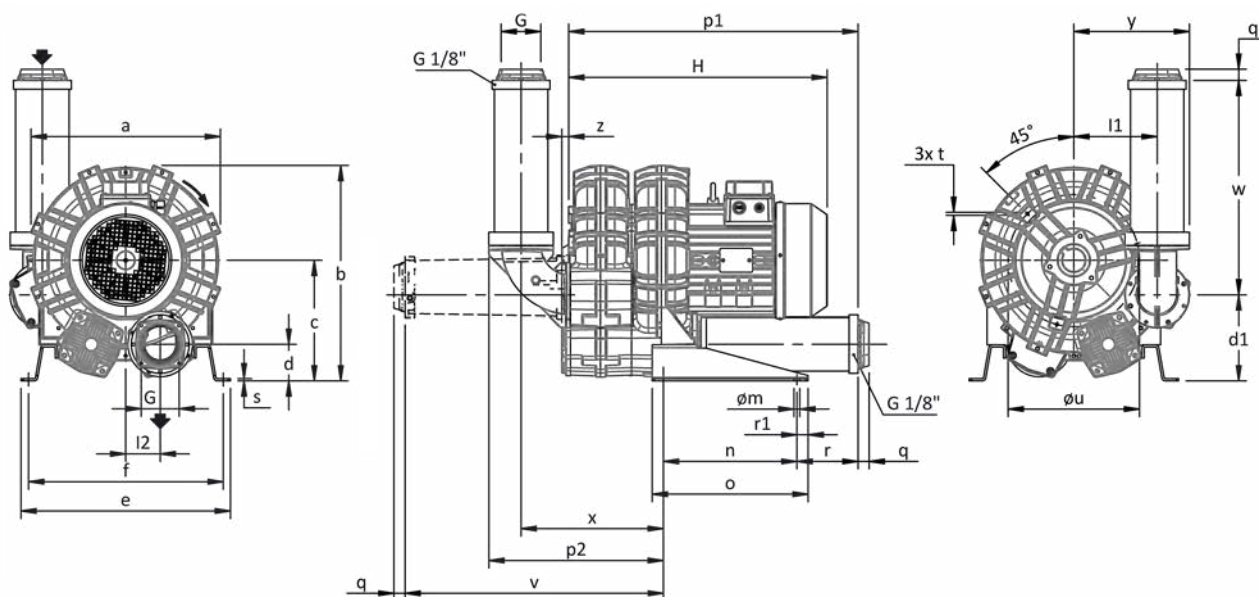
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
457	498	269	82	192	480	448	G 3"	-	187	77.5	13	300	350	650	392	25	137	25	5	M8	310	581	481	319	260	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

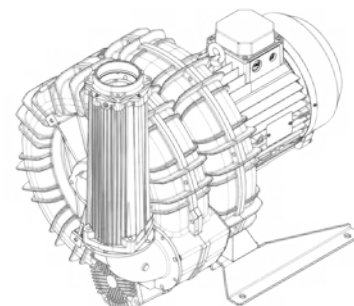
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

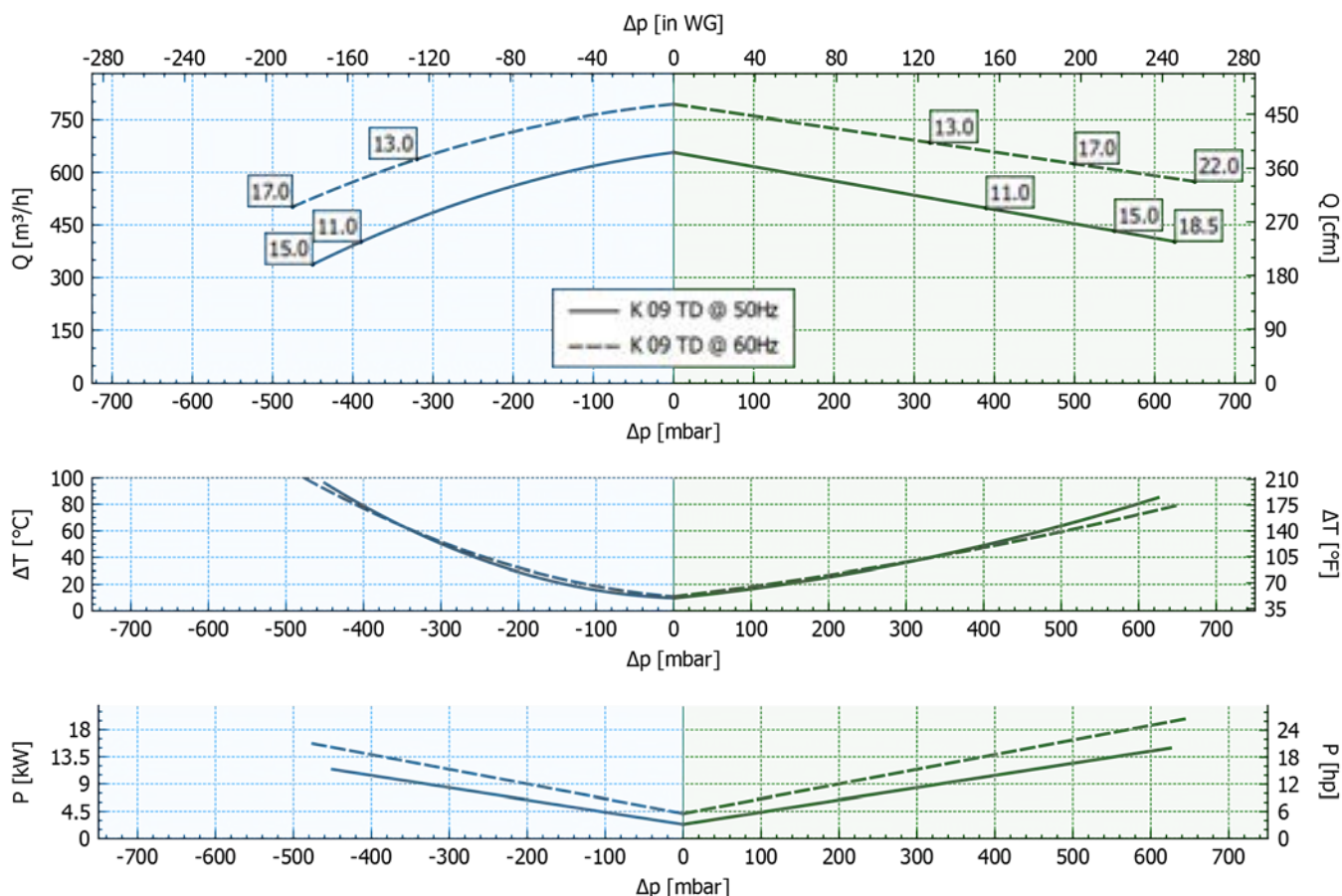
P _n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	390	390	657	79.9	130.5	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	320	320	793	81.9	130.5	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	450	550	657	79.9	151	727	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	475	500	793	81.9	151	727	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	625	657	79.9	177	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	-	650	793	81.9	177	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

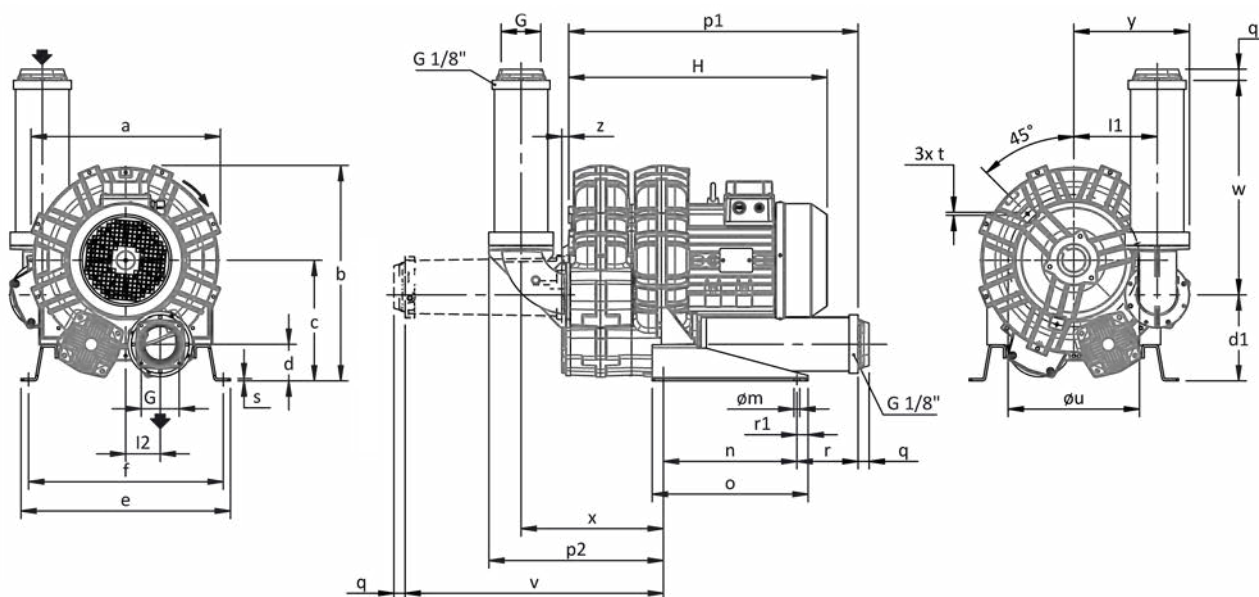


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
492	561	315	96	225	510	478	G 4"	-	220	91	13	300	350	745	455	25	199	25	5	M8	360	663	556	372	302	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

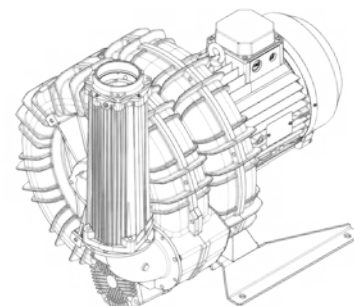
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



Performance Table

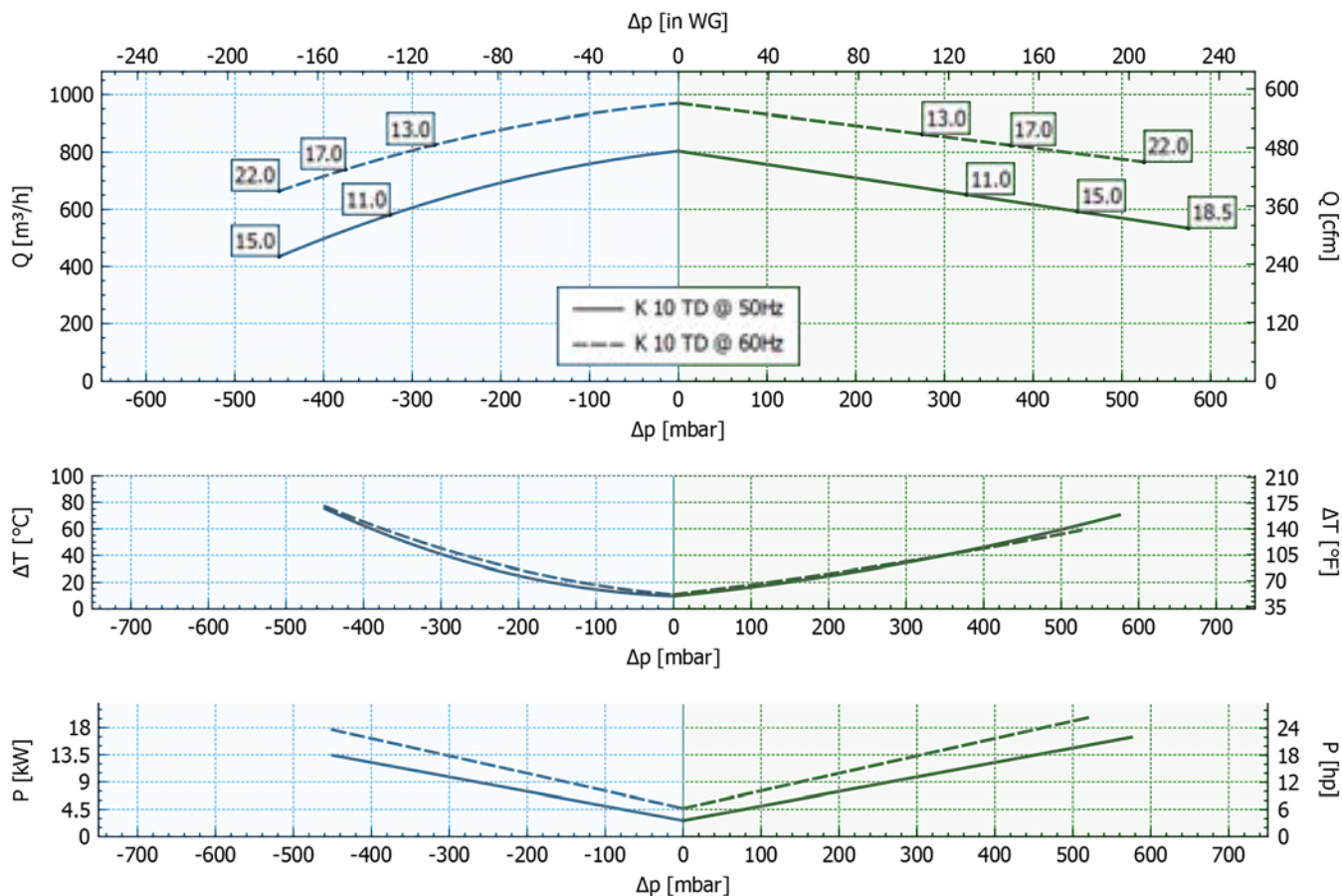
P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
11	50	325	325	804	83.9	137	650	12.5 / 21.6	13.0-12.8 / 22.6-22.2	0.81	2940
13	60	275	275	970	85.9	137	650	12.3 / 21.2	13.8-12.4 / 23.9-21.5	0.84	3535
15	50	450	450	804	83.9	154	727	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	375	375	970	85.9	154	727	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	575	804	83.9	180.5	785	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	450	525	970	85.9	180.5	785	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

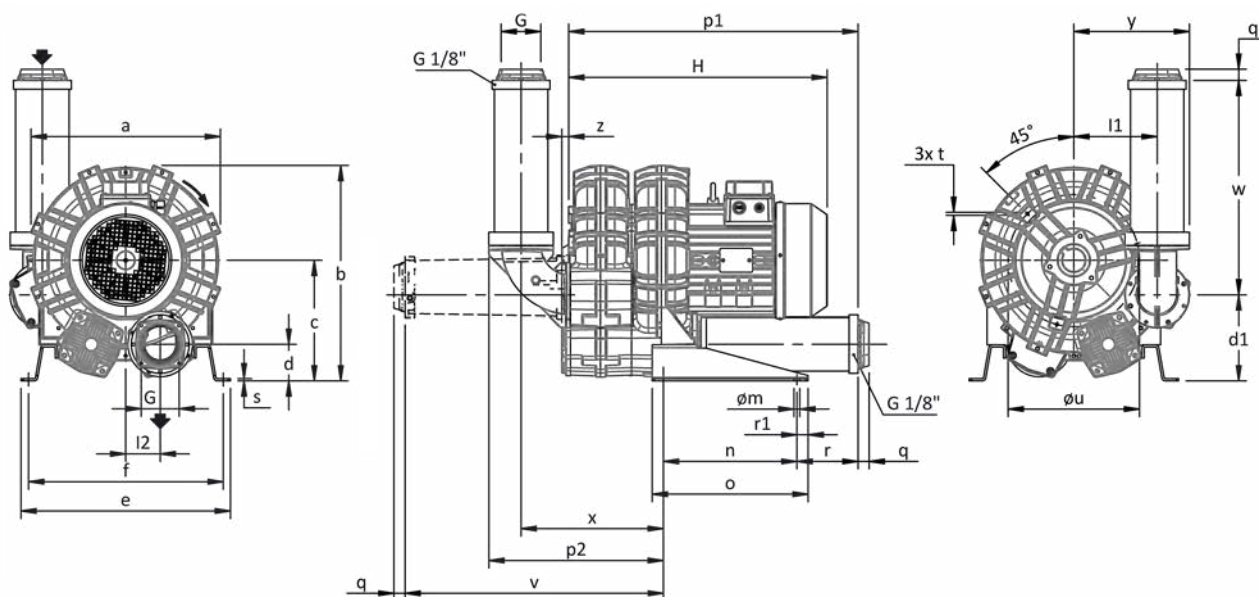


Tolerance on indicated values $\pm 10\%$.

Data subject to change without notice.

Curves referring to air at a temperature of 20 $^{\circ}C$ and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
516	573	315	96	225	510	478	G 4"	-	220	91	13	300	350	745	455	25	199	25	5	M8	360	663	556	372	302	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

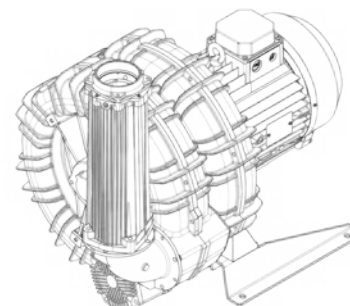
- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]



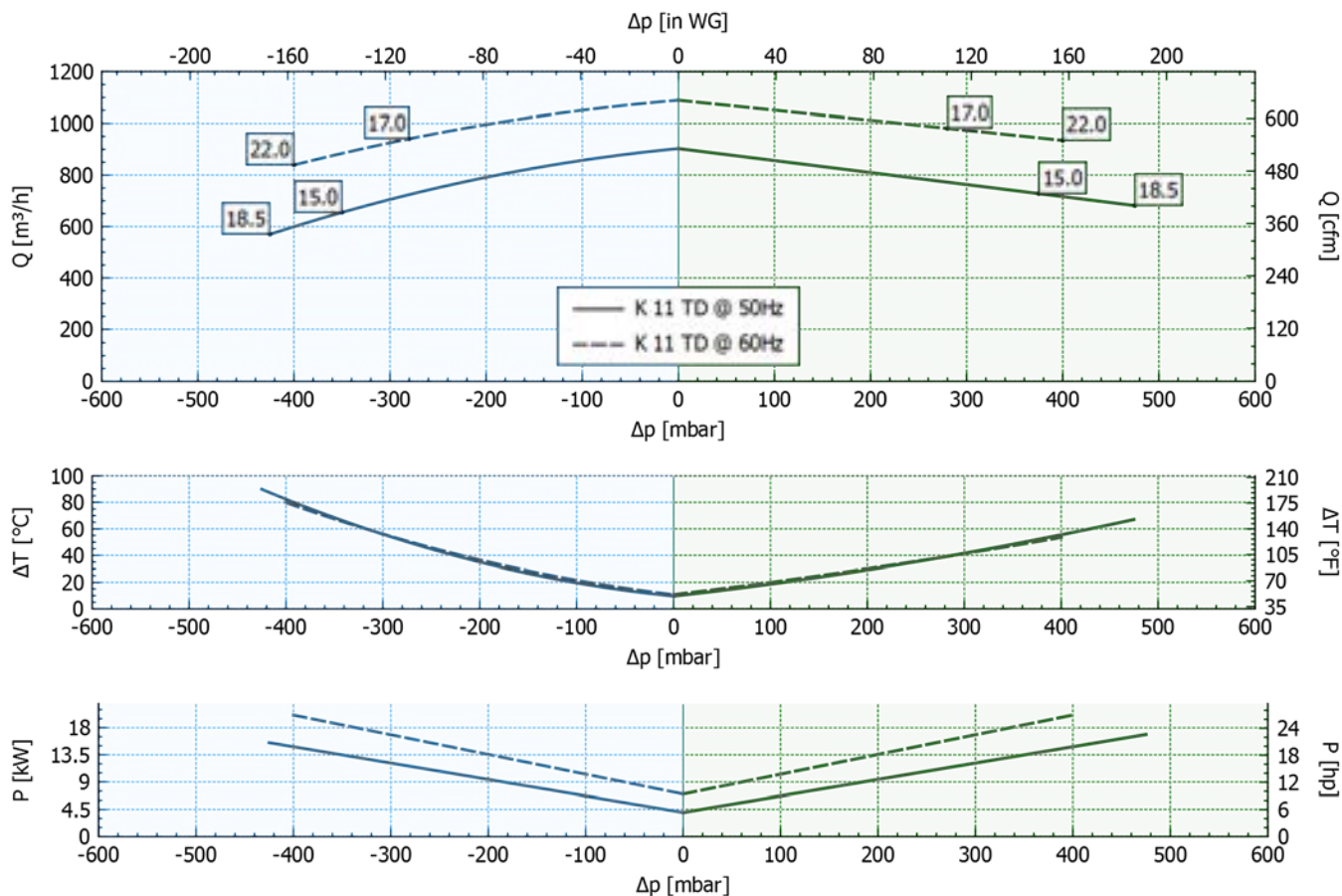
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	350	375	903	84.2	167.5	742	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	280	280	1089	86.2	167.5	742	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	425	475	903	84.2	194	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	400	400	1089	86.2	194	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

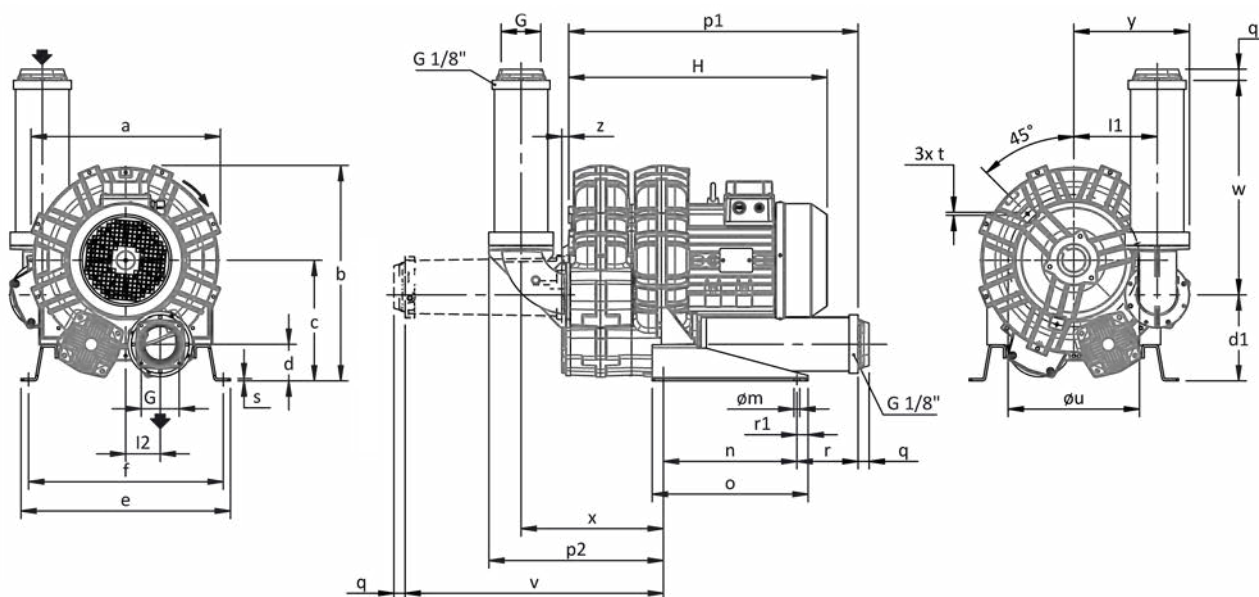
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions

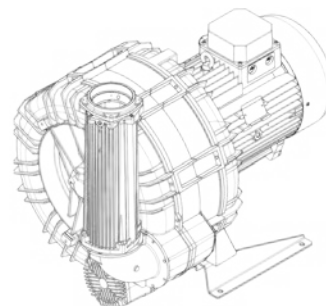


For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	I	L1	L2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
542	603	332	91	232	540	508	G 4"	-	242	100	13	300	350	765	470	25	204	25	5	M8	390	678	556	387	324	16

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

- IE3 Wide Range cRus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide	600 – 720 / 345 – 415	50
Range	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.]

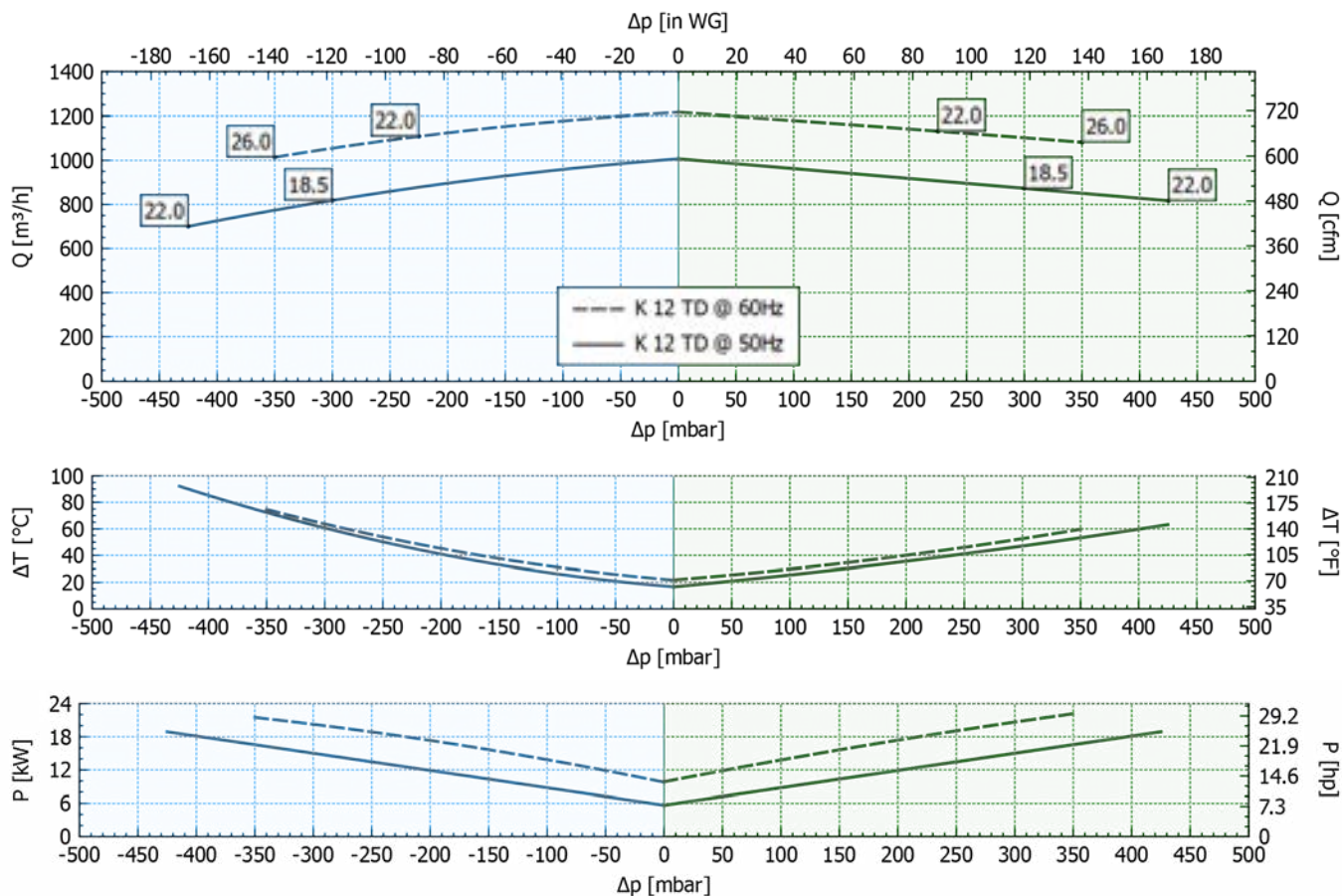
Performance Table

P _n [kW]	Frequency [Hz]	$\Delta p_{\max}$ [mbar]		Q _{max} [m ³ /h]	Leq ¹ [dB(A)]	Weight [kg]	H ² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
18.5	50	300	300	1007	85	201	815	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	225	225	1216	87.5	201	815	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550
22	50	425	425	1007	85	203.5	815	23.1 / 40.0	25.2-23.2 / 43.7-40.2	0.85	2955
26	60	350	350	1216	87.5	203.5	815	23.0 / 39.9	26.9-22.8 / 46.6-39.5	0.87	3555

- Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
- See figure "dimensions" at following page.

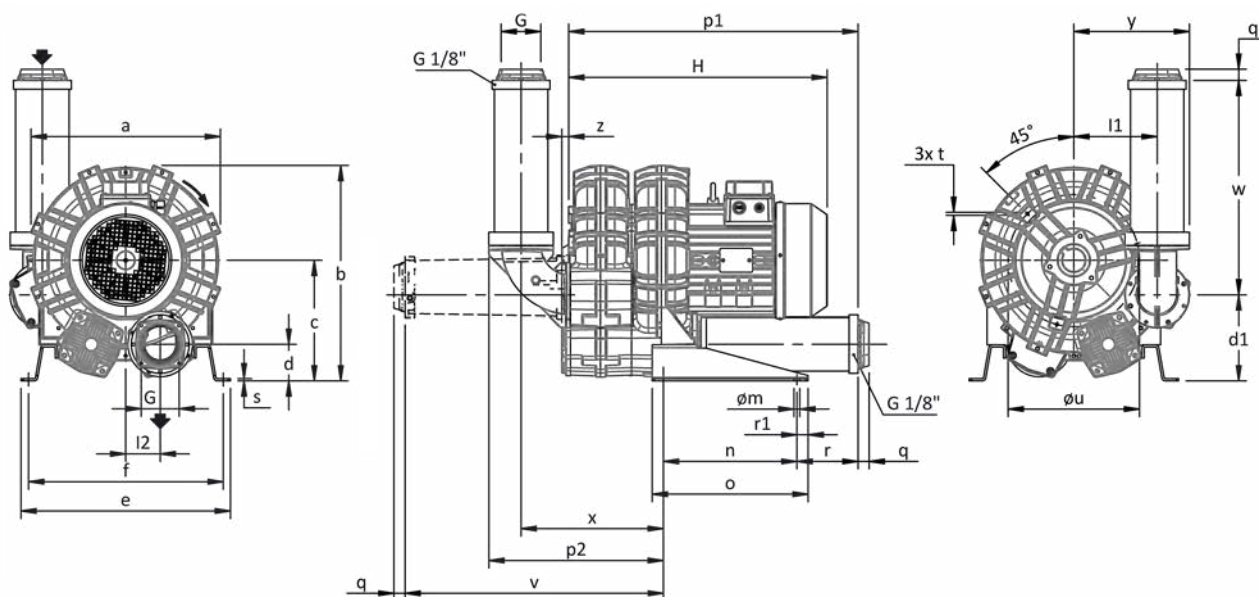
SUCTION

COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

a	b	c	d	d1	e	f	G	l	l1	l2	m	n	o	p1	p2	q	r	r1	s	t	u	v	w	x	y	z
548	606	332	91	232	540	508	G 4"	-	242	100	13	300	350	768	483	25	204	25	5	M8	390	678	556	400	324	13

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

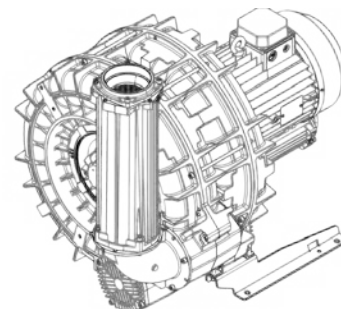
- IE3 Wide Range cURus Motors
- IP 55 protection rating, class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	690 / 400	50
	795 / 460	60
Wide Range	600 – 720 / 345 – 415	50
	660 – 830 / 380 – 480	60

Supply voltage - [Tolerance on the fixed voltage value ± 10%, in range ± 5%.]



evolution

Performance Table

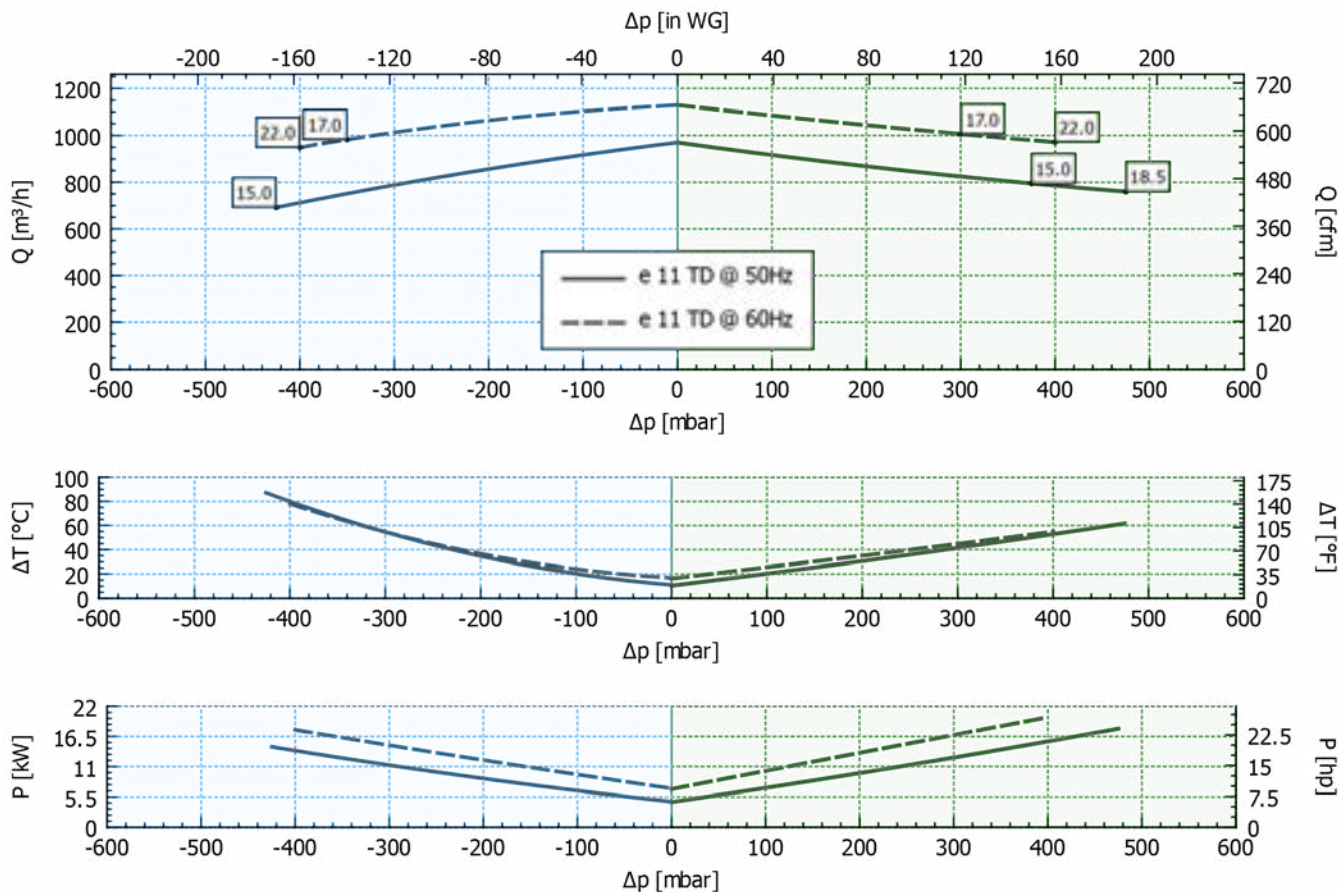
P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
15	50	425	375	970	83	178	740	16.2 / 28.1	17.5-16.4 / 30.4-28.4	0.84	2935
17	60	350	300	1129	85	178	740	15.5 / 26.8	17.8-15.5 / 30.9-26.9	0.86	3535
18.5	50	-	475	970	83	199	800	19.5 / 33.8	21.4-19.6 / 37.1-33.9	0.85	2950
22	60	400	400	1129	85	199	800	19.6 / 34.0	23.1-19.5 / 40.0-33.8	0.87	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

COMPRESSION

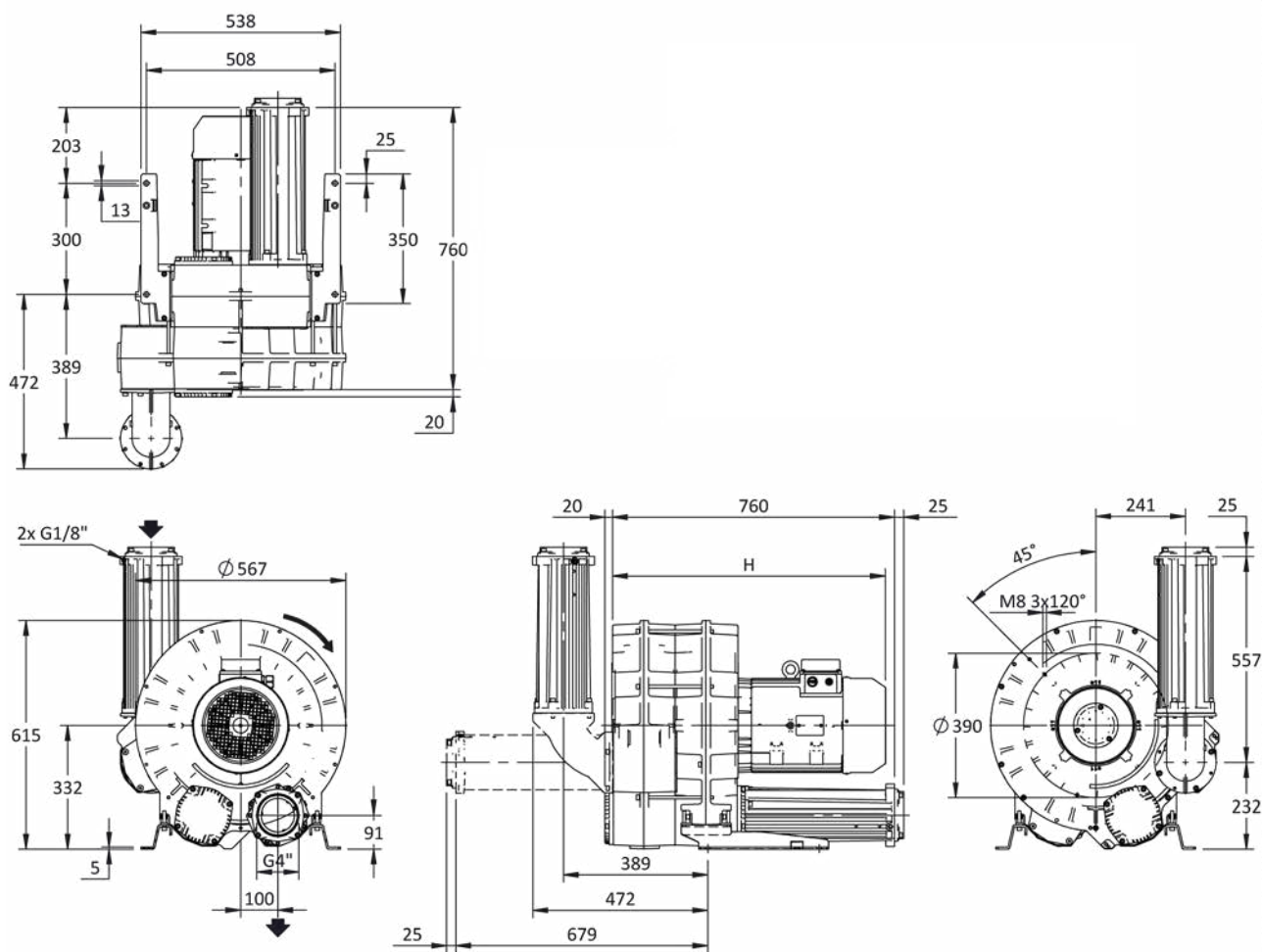


Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



For all assembly options refer to FPZ.
Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

SERIES 10DL/15DH-MD MOR

EU VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller
- Motor IE3 cURus wide range

OPTIONS

- Special Voltages (IEC 60038)
- Surface treatments
- Increased seal version



Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

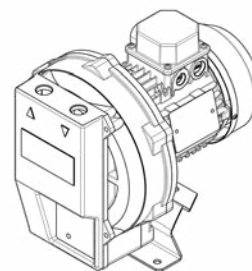
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide Range	345 - 415 / 200 - 240	50
	380 - 480 / 220 - 280	60

Supply voltage - Tolerance on the fixed voltage value
± 10%, in range ± 5%.



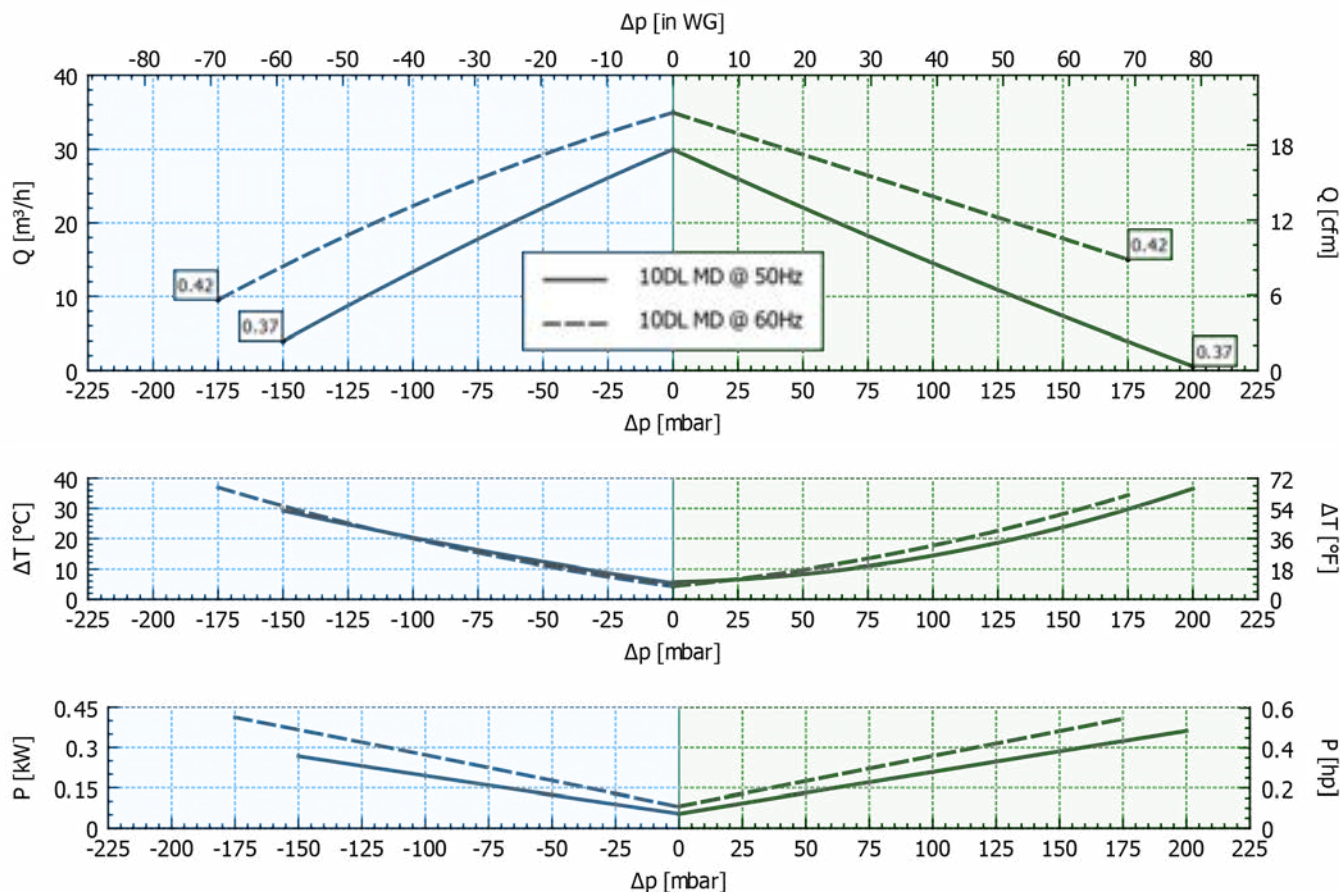
Performance Table

P _n [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq¹ [dB(A)]	Weight [kg]	H² [mm]	Current Consumption (Y/Δ) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.37	50	150	200	30	62	10	300	1.07 / 1.85	1.03-1.13 / 1.78-1.96	0.67	2830
0.42	60	175	175	35	64	10	300	1.02 / 1.77	1.02-1.06 / 1.77-1.84	0.68	3430

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. See figure "dimensions" at following page.

SUCTION

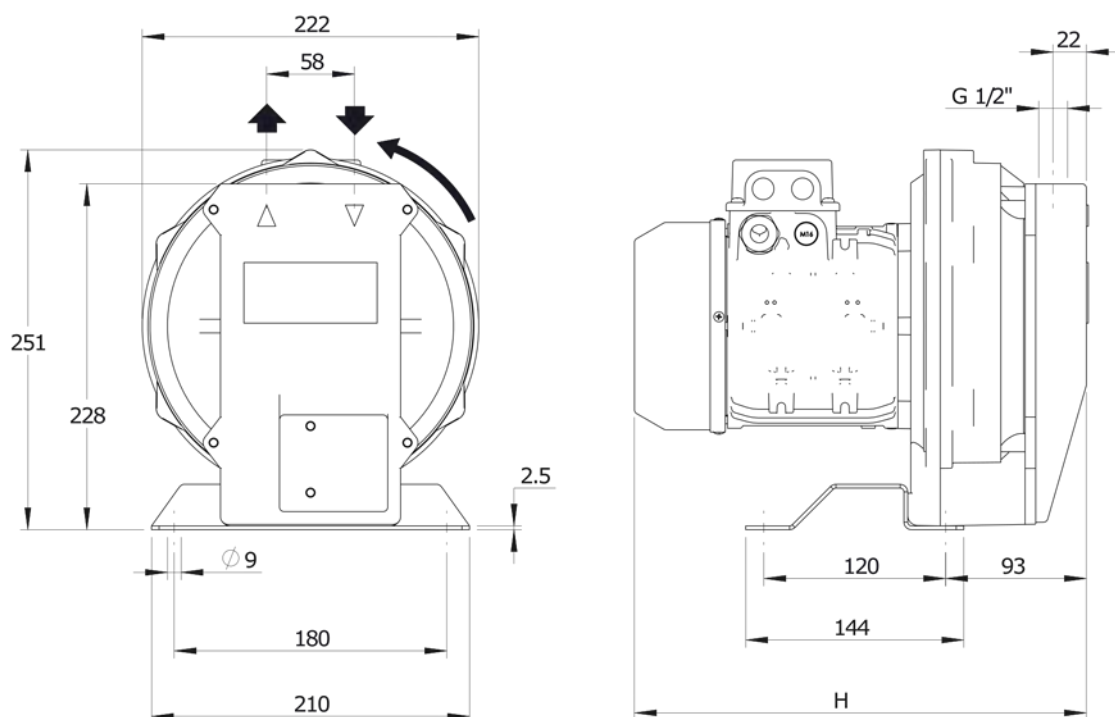
COMPRESSION



Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).



Dimensions



Dimensions in mm
NOT Binding

INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

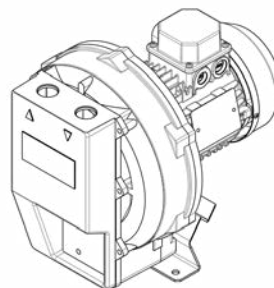
- IE3 Wide Range cURus Motors
- IP55 protection rating, class F insulation, suitable for operating with inverter
- Thermal Protector (PTO) as standard

Options

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

~3	[V] (Y / Δ)	[Hz]
IE3	400 / 230	50
	460 / 265	60
Wide Range	345 – 415 / 200 – 240	50
	380 – 480 / 220 – 280	60

Supply voltage - Tolerance on the fixed voltage value $\pm 10\%$, in range $\pm 5\%$.



Performance Table

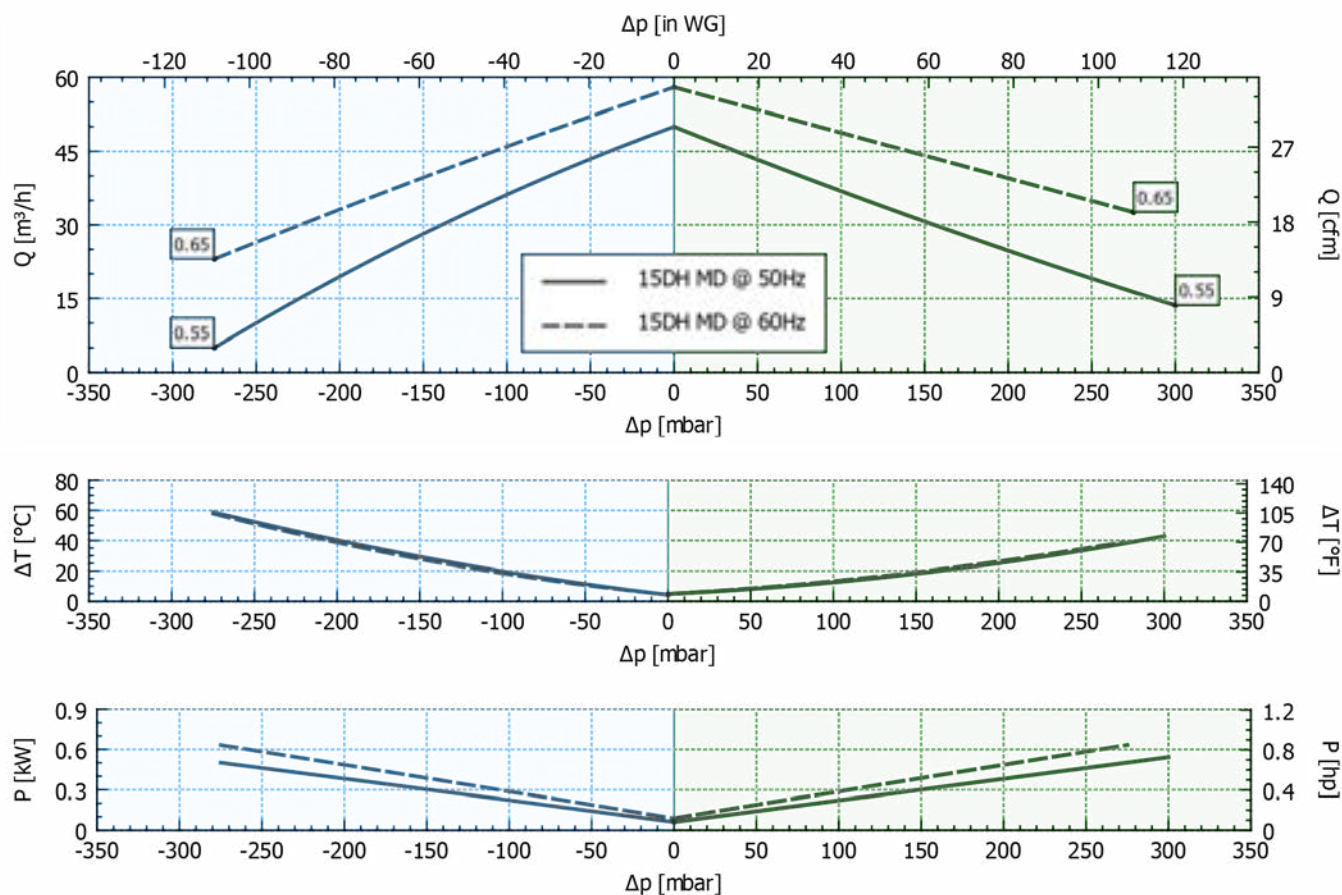
P_n [kW]	Frequency [Hz]	Δp_{max} [mbar]		Q_{max} [m³/h]	Leq^1 [dB(A)]	Weight [kg]	H^2 [mm]	Current Consumption (Y/Δ) [A]		$\cos\phi$ [-]	Speed [rpm]
		Suction	Compression					IE3	Range		
0.55	50	275	300	50	62	12.5	335	1.44 / 2.49	1.43-1.50 / 2.48-2.60	0.70	2855
0.65	60	275	275	58	64	12.5	335	1.39 / 2.41	1.47-1.43 / 2.55-2.48	0.73	3450

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. See figure "dimensions" at following page.

SUCTION

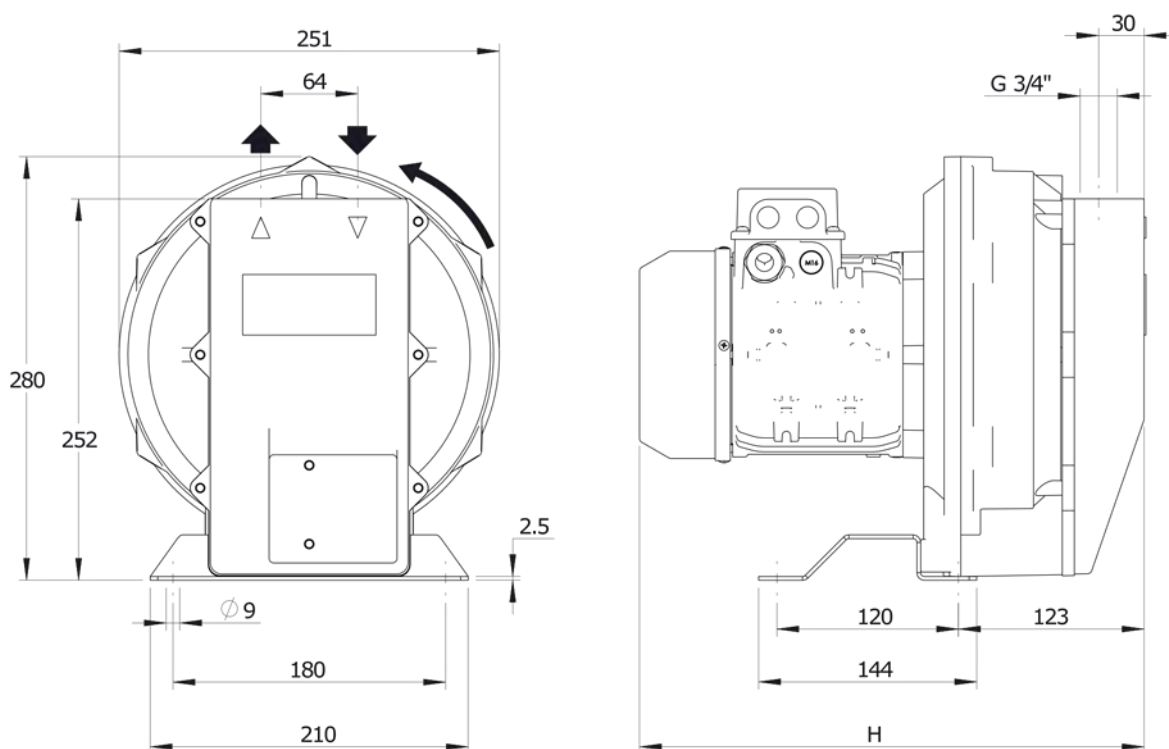
COMPRESSION



Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



Dimensions in mm
NOT Binding

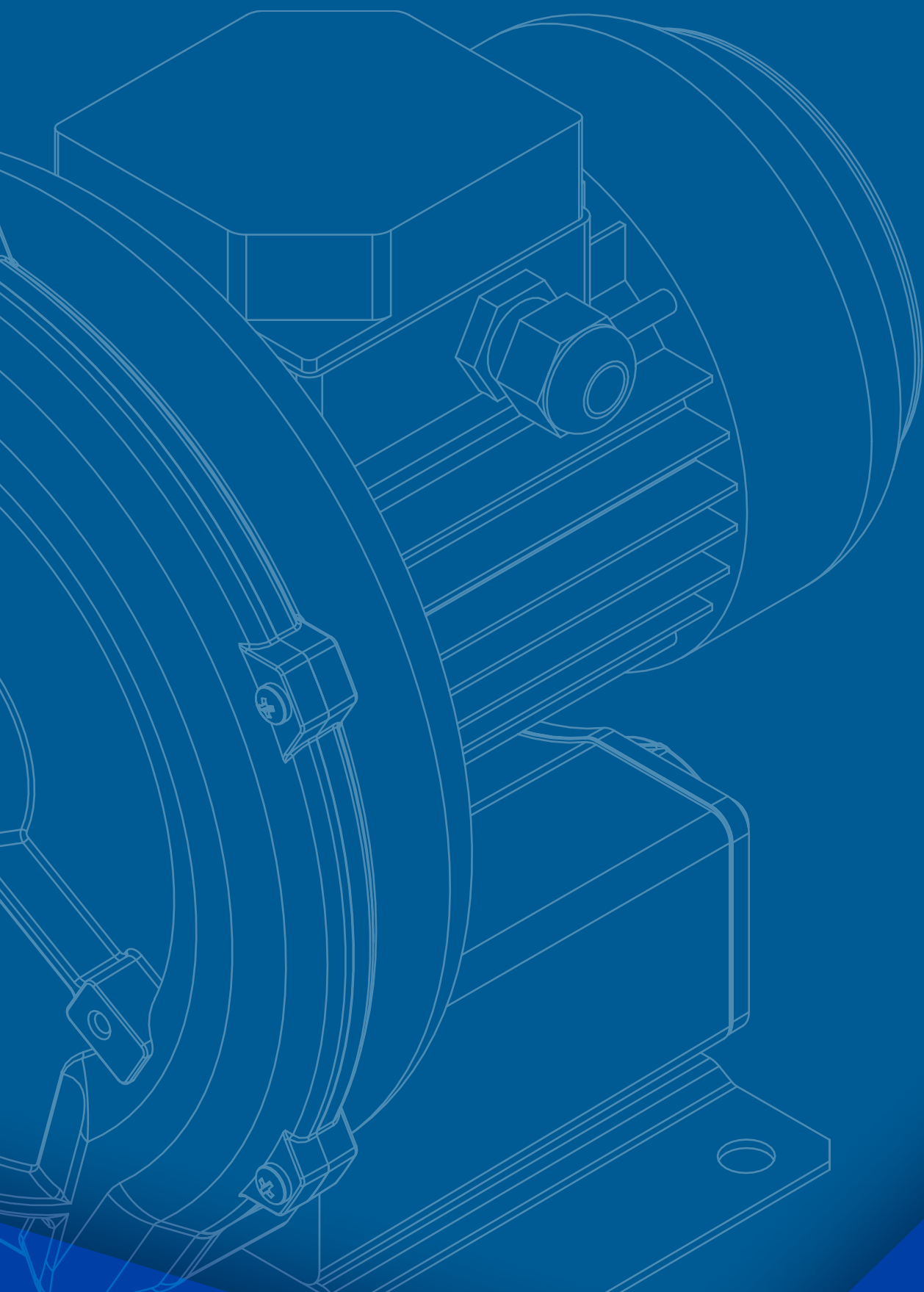
INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.

EU

Data sheet





SCL 06R-MS MOR

EU VERSION

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

OPTIONS

- Special Voltages (IEC 60038)
- Surface treatments
- Increased seal version



PRESSURE

Mod	P _n 2900 rpm [kW]	P _n 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq ¹ 2900 rpm (Lp)(dB(A))	Leq ¹ 3500 rpm (Lp)(dB(A))	Weight ² max [kg]
06R-MS	0,2	0,23	55	66	90	80	58	58,7	6,5
	-	0,4	55	66	-	130	-	59	7,1

VACUUM

Mod	P _n 2900 rpm [kW]	P _n 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq ¹ 2900 rpm (Lp)(dB(A))	Leq ¹ 3500 rpm (Lp)(dB(A))	Weight ² max [kg]
06R-MS	0,2	0,23	55	66	82	80	58	58,7	6,5
	-	0,4	55	66	-	120	-	59	7,1

INSTALLATION

- For proper use, the blower should be equipped with INLET FILTER and vacuum/pressure relief valve other accessories available on request.
- Ambient temperature from -15° to +40°C (+5° to +104° F).
- Specifications subject to change without notice.
- Before installation read carefully all instructions

¹Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

² Value refers to the weight of the machine with 3 Phase motor

N: Installed motor power

Q: Flow rate

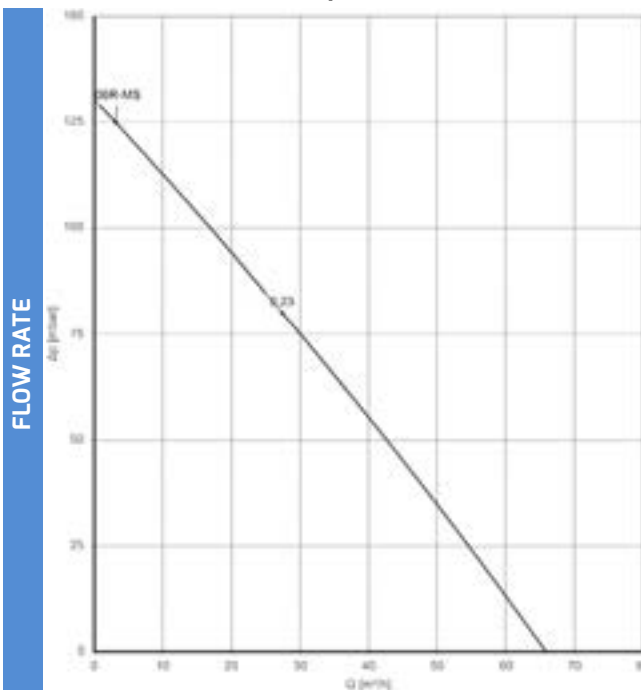
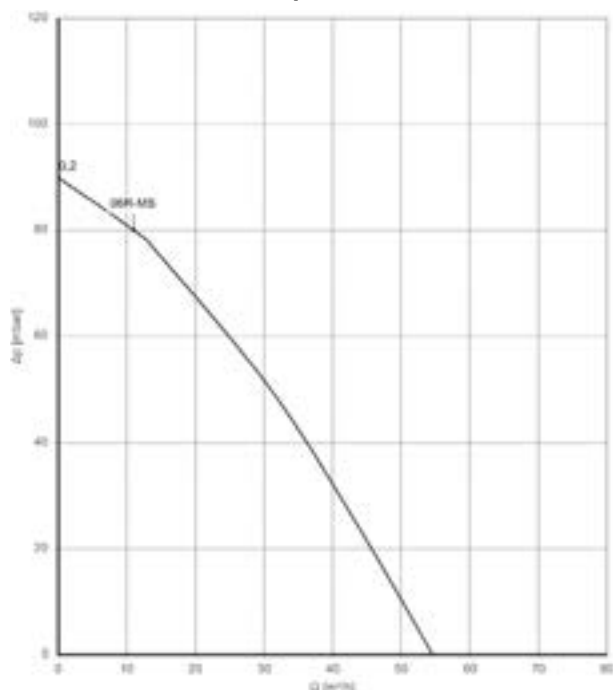
P: Differential pressure

Leq: Noise level

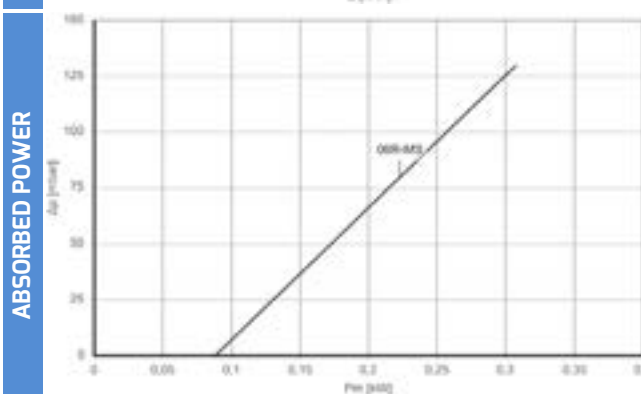
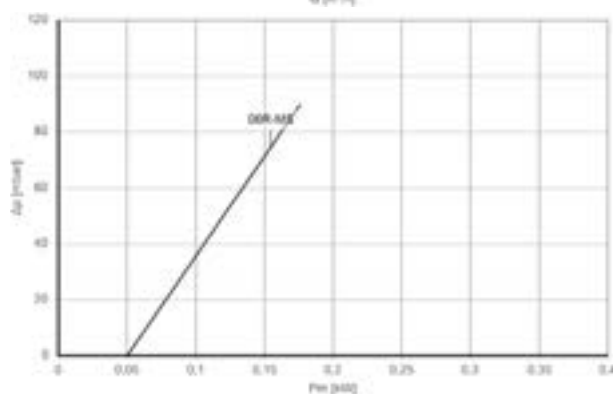
PRESSURE

2900 rpm (50 Hz)

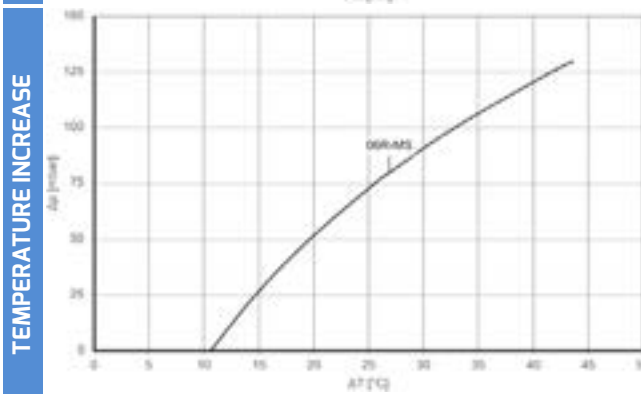
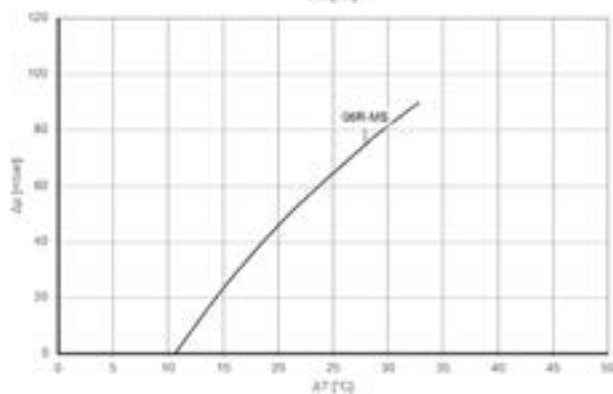
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER

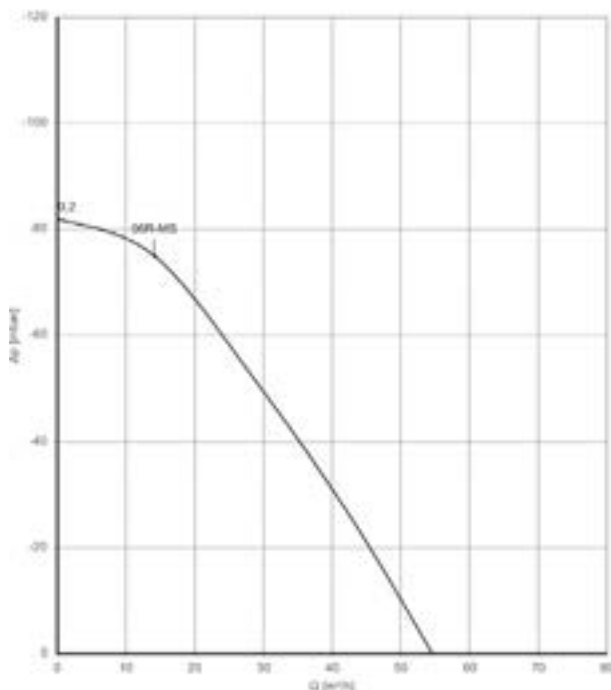


TEMPERATURE INCREASE

Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: ±10% tolerance.
Data can change without prior notice

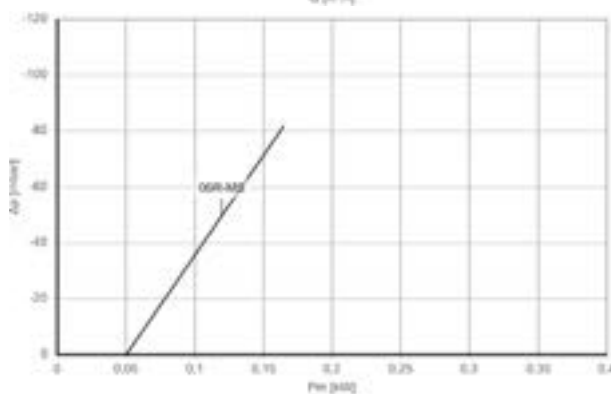
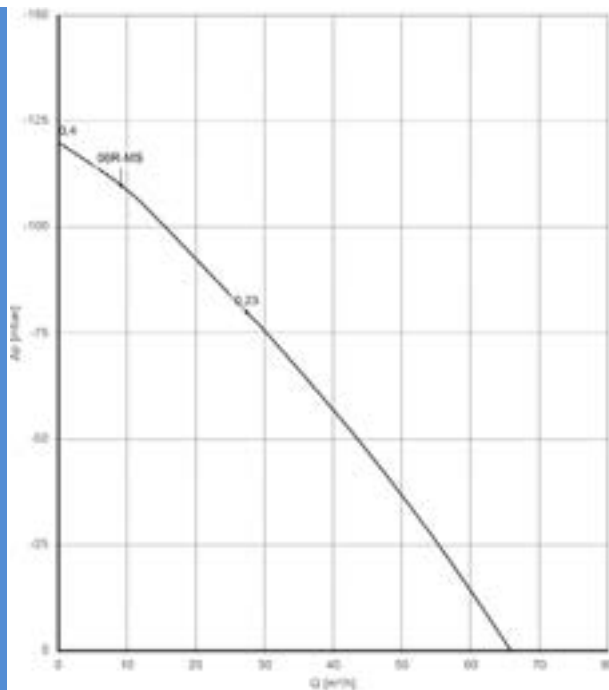
VACUUM

2900 rpm (50 Hz)

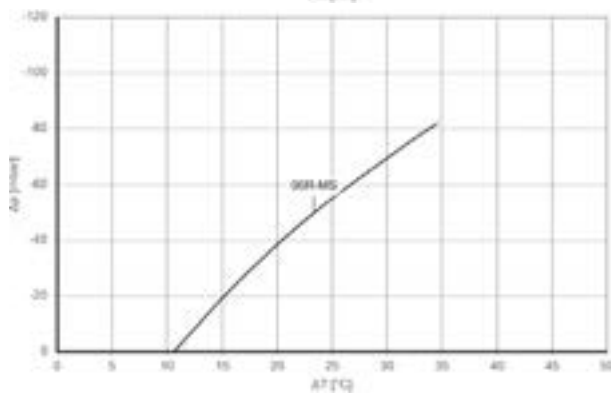
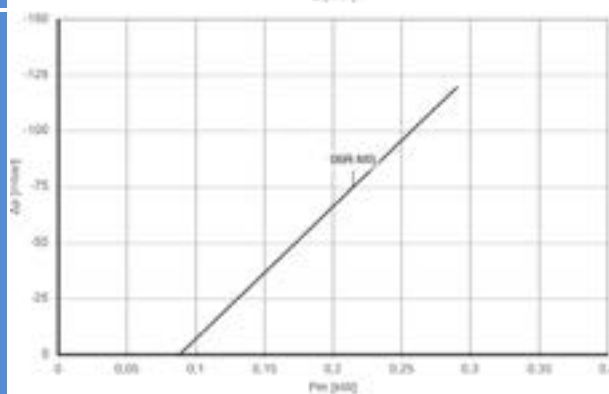


FLOW RATE

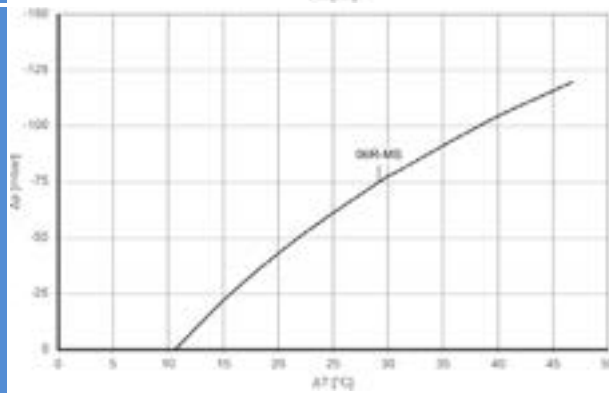
3500 rpm (60 Hz)



ABSORBED POWER

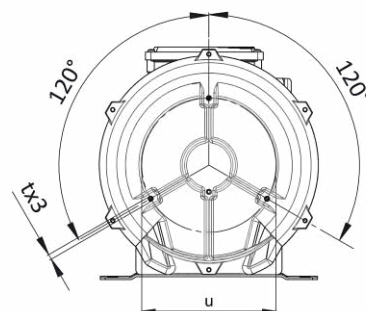
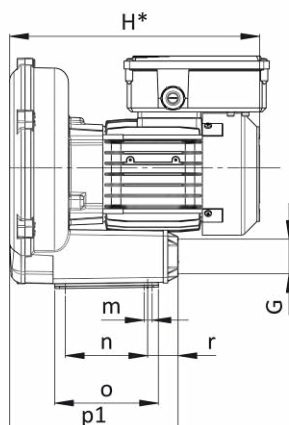
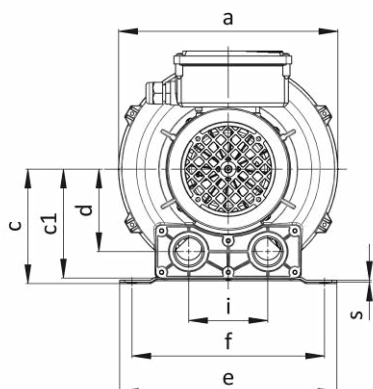


TEMPERATURE INCREASE



Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: ±10% tolerance.
Data can change without prior notice

DIMENSIONS (06R)

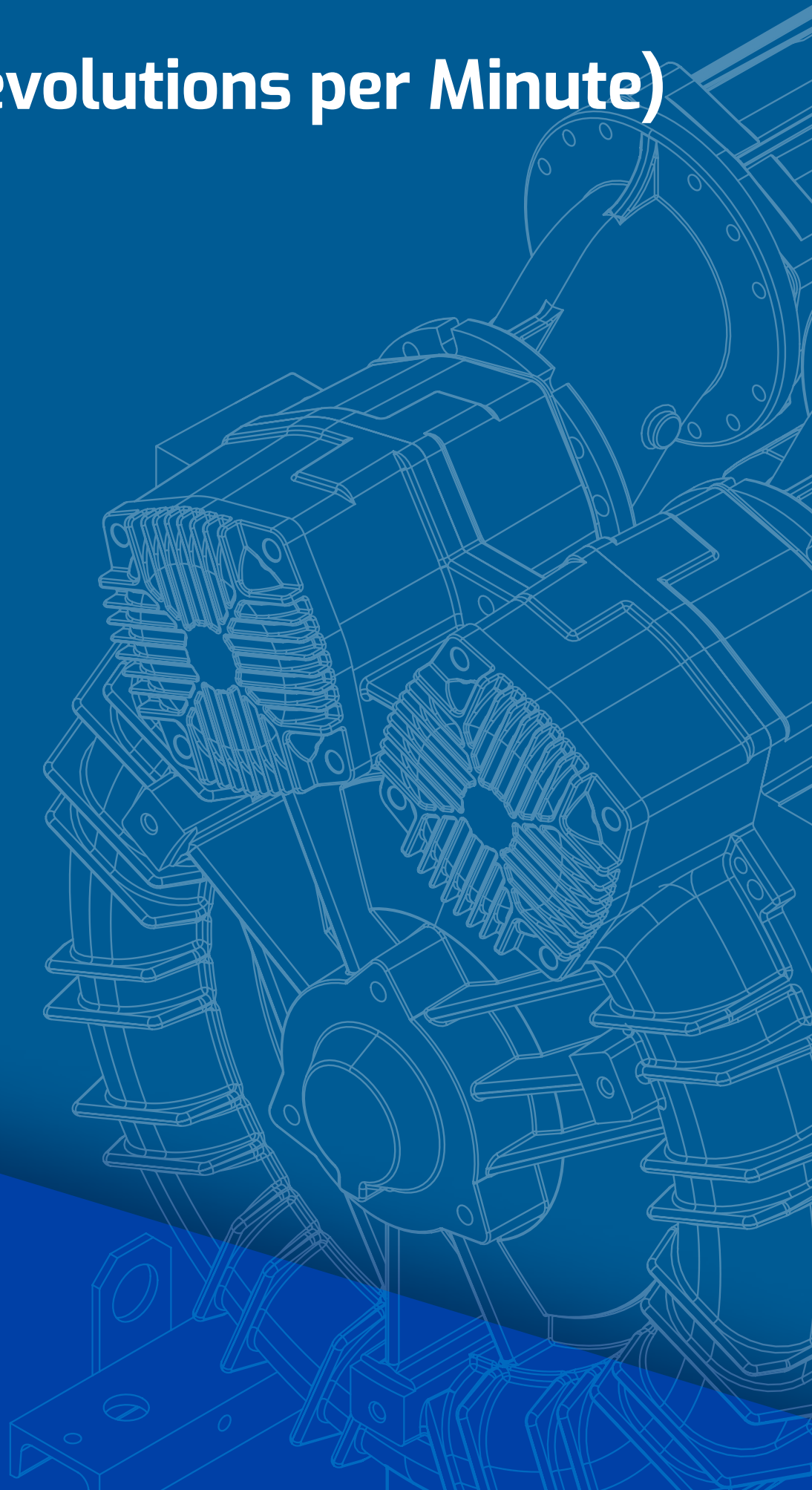


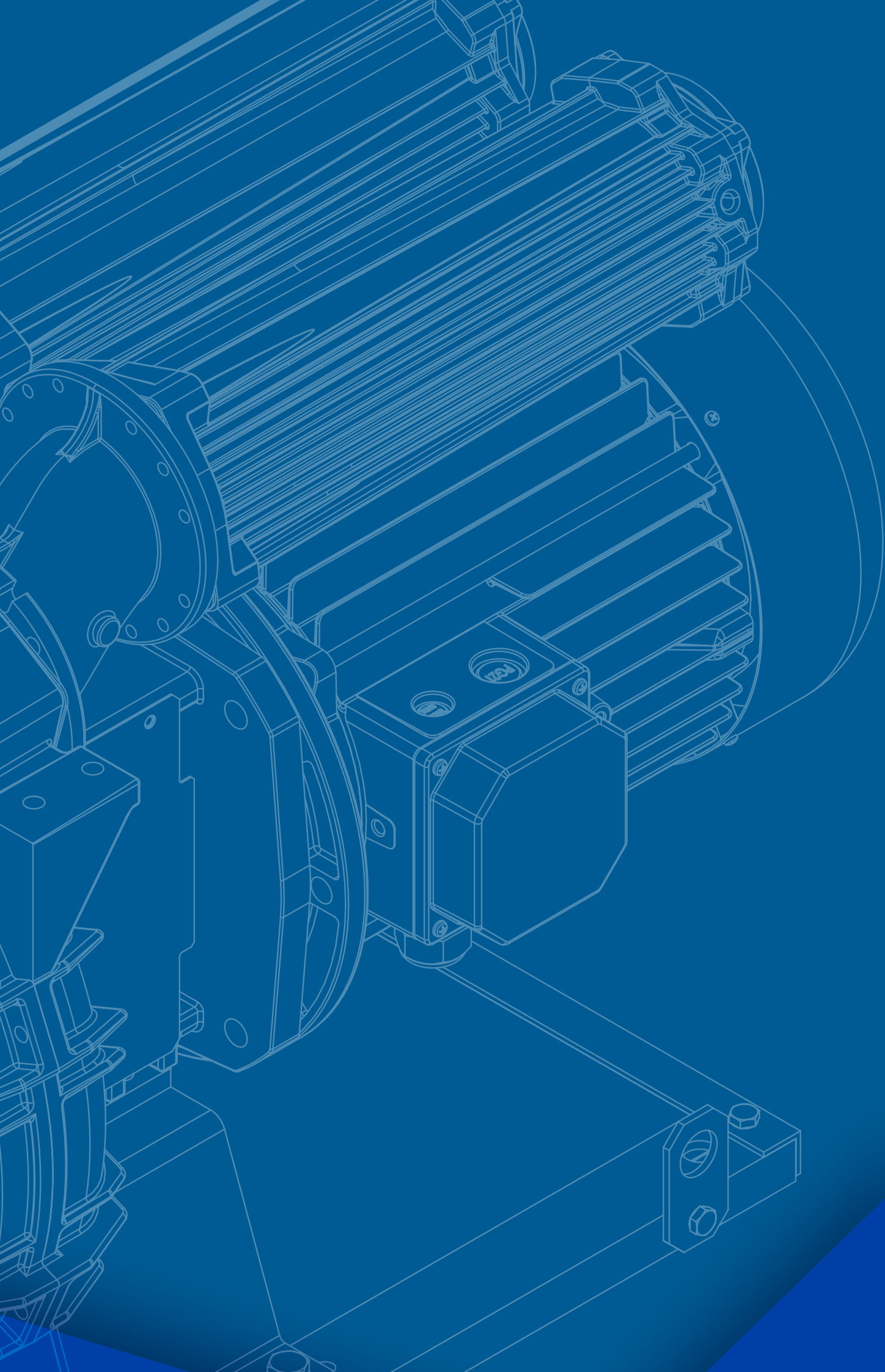
Dimensions in mm - FOR REFERENCE ONLY

Mod	a	c	c1	d	e	f	G	H*	i	m	n	o	p1	q	r
06R-M5	222	116	111	86	220	195	1"	235	80	11	75	105	160	15	35

RPM (Revolutions per Minute)

Data sheet





RPM (Revolutions per Minute)

Version: RPM

SIDE CHANNEL BLOWER
 SERIES **K** MODEL **03**
 TYPE **MS** EXECUTION **MOR - GOR - GVR**
 Rev.19-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	150	-	-	-	-	-	-	-	-	-	-	-	21	0.45	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-
	125	-	-	-	-	-	-	-	-	24	0.36	0.55	30	0.39	0.55	42	0.45	0.55	51	0.50	0.55	-	-	-	-	-	-	-
	100	-	-	-	14	0.24	0.55	24	0.27	0.55	33	0.31	0.55	38	0.33	0.37	50	0.39	0.55	59	0.43	0.55	67	0.48	0.55	-	-	-
	75	-	-	-	25	0.19	0.37	34	0.22	0.37	42	0.25	0.37	47	0.27	0.37	59	0.32	0.37	66	0.36	0.55	74	0.40	0.55	81	0.45	0.55
	50	-	-	-	36	0.14	0.37	44	0.17	0.37	52	0.19	0.37	56	0.21	0.37	67	0.25	0.37	74	0.29	0.37	81	0.33	0.37	88	0.37	0.55
	25	-	-	-	47	0.09	0.37	54	0.11	0.37	61	0.14	0.37	65	0.15	0.37	75	0.19	0.37	82	0.22	0.37	88	0.25	0.37	95	0.29	0.37
	0	-	-	-	57	0.05	0.37	64	0.06	0.37	70	0.08	0.37	74	0.09	0.37	83	0.12	0.37	89	0.15	0.37	96	0.18	0.37	102	0.21	0.37
SUCTION	25	-	-	-	48	0.10	0.37	54	0.12	0.37	61	0.14	0.37	65	0.15	0.37	74	0.18	0.37	81	0.21	0.37	87	0.23	0.37	94	0.26	0.37
	50	-	-	-	37	0.15	0.37	44	0.17	0.37	51	0.19	0.37	55	0.21	0.37	65	0.25	0.37	72	0.28	0.37	78	0.31	0.37	85	0.34	0.55
	75	-	-	-	26	0.20	0.37	33	0.22	0.37	41	0.25	0.37	45	0.27	0.37	55	0.31	0.37	62	0.35	0.55	69	0.38	0.55	76	0.42	0.55
	100	-	-	-	-	-	-	-	-	30	0.31	0.55	35	0.33	0.37	45	0.38	0.55	52	0.42	0.55	60	0.46	0.55	-	-	-	-
	125	-	-	-	-	-	-	-	-	-	-	-	24	0.39	0.55	35	0.45	0.55	43	0.49	0.55	-	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
 Data subject to change without notice.
 Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	250	-	-	-	-	-	-	-	-	35	1.23	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	225	-	-	-	-	-	34	1.06	1.50	45	1.13	1.50	70	1.29	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	200	-	-	-	-	-	45	0.96	1.50	55	1.02	1.10	79	1.17	1.50	95	1.29	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	175	-	-	-	-	-	38	0.77	1.50	66	0.92	1.10	88	1.06	1.50	104	1.17	1.50	119	1.28	1.50	-	-	-	-	-	-	-	-	-	-			
	150	-	-	-	31	0.60	49	0.68	1.10	76	0.81	0.75	98	0.94	1.10	113	1.04	1.50	128	1.15	1.50	142	1.26	1.50	-	-	-	-	-	-	-			
	125	26	0.45	1.10	44	0.52	61	0.59	1.10	77	0.66	1.10	86	0.71	0.75	107	0.83	1.10	122	0.92	1.10	136	1.02	1.50	150	1.13	1.50	164	1.24	1.50	177	1.36	1.50	
	100	40	0.37	1.10	56	0.43	72	0.49	0.75	88	0.56	0.75	96	0.61	0.75	117	0.71	1.10	130	0.80	1.10	144	0.89	1.10	158	0.99	1.10	171	1.10	1.50	184	1.21	1.50	
	75	53	0.30	0.75	69	0.35	84	0.40	0.75	98	0.46	0.75	107	0.50	0.75	126	0.60	0.75	139	0.68	0.75	153	0.76	1.10	166	0.85	1.10	179	0.95	1.10	191	1.06	1.50	
	50	67	0.22	0.75	81	0.26	95	0.31	0.75	109	0.36	0.75	117	0.40	0.75	135	0.49	0.75	148	0.56	0.75	161	0.63	0.75	173	0.72	1.10	186	0.81	1.10	199	0.91	1.10	
	25	81	0.15	0.75	94	0.18	0.75	107	0.22	0.75	119	0.26	0.75	127	0.29	0.75	144	0.37	0.75	157	0.43	0.75	169	0.50	0.75	181	0.58	0.75	194	0.66	0.75	206	0.76	1.10
SUCTION	0	95	0.07	0.75	106	0.10	0.75	118	0.13	0.75	130	0.16	0.75	137	0.19	0.75	154	0.26	0.75	166	0.31	0.75	177	0.37	0.75	189	0.44	0.75	201	0.52	0.75	213	0.61	0.75
	25	83	0.16	0.75	95	0.19	0.75	107	0.23	0.75	120	0.27	0.75	127	0.29	0.75	144	0.36	0.75	156	0.41	0.75	168	0.46	0.75	180	0.52	0.75	192	0.58	0.75	204	0.64	0.75
	50	70	0.23	0.75	83	0.28	0.75	96	0.32	0.75	108	0.37	0.75	116	0.40	0.75	133	0.47	0.75	146	0.53	0.75	158	0.59	0.75	170	0.66	0.75	182	0.72	1.10	194	0.80	1.10
	75	56	0.31	0.75	70	0.36	0.75	83	0.41	0.75	97	0.47	0.75	104	0.50	0.75	122	0.59	0.75	135	0.65	0.75	147	0.72	1.10	160	0.80	1.10	172	0.87	1.10	185	0.95	1.10
	100	41	0.38	1.10	56	0.44	1.10	70	0.50	0.75	84	0.57	0.75	92	0.61	0.75	110	0.70	1.10	123	0.78	1.10	136	0.85	1.10	149	0.93	1.10	162	1.02	1.50	174	1.11	1.50
	125	-	-	-	41	0.52	1.10	56	0.59	1.10	70	0.66	1.10	79	0.71	0.75	98	0.82	1.10	112	0.90	1.10	125	0.98	1.10	138	1.07	1.50	151	1.16	1.50	164	1.26	1.50
	150	-	-	-	-	-	-	40	0.68	1.10	56	0.76	1.10	65	0.81	0.75	85	0.93	1.10	99	1.02	1.50	113	1.12	1.50	126	1.21	1.50	140	1.31	1.50	-	-	-
	175	-	-	-	-	-	-	-	-	-	41	0.86	1.10	50	0.92	1.10	72	1.05	1.50	86	1.15	1.50	100	1.25	1.50	114	1.35	1.50	-	-	-	-	-	
	200	-	-	-	-	-	-	-	-	-	-	-	-	35	1.02	1.10	57	1.16	1.50	73	1.27	1.50	-	-	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	300	-	-	-	-	-	-	-	-	60	2.23	3.00	100	2.52	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	275	-	-	-	-	-	-	-	-	73	2.06	3.00	112	2.34	3.00	139	2.54	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	250	-	-	-	-	-	-	-	-	86	1.90	2.20	125	2.16	3.00	150	2.35	3.00	176	2.56	3.00	-	-	-	-	-	-	-	-	-	-			
	225	-	-	-	-	-	54	1.48	2.20	100	1.74	2.20	137	1.98	2.20	162	2.16	3.00	186	2.35	3.00	210	2.55	3.00	-	-	-	-	-	-	-			
	200	-	-	-	40	1.19	2.20	69	1.33	2.20	97	1.48	2.20	113	1.57	2.20	149	1.80	2.20	173	1.97	2.20	197	2.15	3.00	220	2.34	3.00	243	2.53	3.00	-		
	175	-	-	-	56	1.06	2.20	84	1.19	2.20	111	1.32	2.20	126	1.41	1.50	161	1.62	2.20	185	1.78	2.20	208	1.94	2.20	231	2.12	3.00	253	2.31	3.00	275	2.50	3.00
	150	44	0.81	2.20	72	0.93	2.20	99	1.04	2.20	125	1.17	1.50	140	1.24	1.50	173	1.44	2.20	196	1.58	2.20	219	1.74	2.20	241	1.91	2.20	263	2.08	3.00	284	2.27	3.00
	125	62	0.69	2.20	89	0.79	1.50	114	0.90	1.50	139	1.01	1.50	153	1.08	1.10	185	1.26	1.50	208	1.39	2.20	230	1.54	2.20	251	1.69	2.20	273	1.85	2.20	294	2.03	3.00
	100	80	0.58	1.50	105	0.66	1.50	129	0.75	1.50	153	0.85	1.10	166	0.92	1.10	197	1.08	1.50	219	1.20	1.50	240	1.33	1.50	261	1.48	2.20	282	1.63	2.20	303	1.79	2.20
	75	98	0.46	1.10	121	0.53	1.10	144	0.61	1.10	166	0.70	1.10	180	0.75	1.10	209	0.90	1.10	230	1.01	1.50	251	1.13	1.50	272	1.26	1.50	292	1.40	2.20	312	1.55	2.20
	50	116	0.34	1.10	138	0.40	1.10	159	0.47	1.10	180	0.54	1.10	193	0.59	1.10	222	0.72	1.10	242	0.82	1.10	262	0.93	1.10	282	1.04	1.50	302	1.17	1.50	322	1.31	1.50
	25	133	0.22	1.10	154	0.27	1.10	174	0.32	1.10	194	0.38	1.10	206	0.43	1.10	234	0.53	1.10	253	0.62	1.10	273	0.72	1.10	292	0.83	1.10	312	0.95	1.10	331	1.08	1.50
SUCTION	0	151	0.10	1.10	170	0.13	1.10	189	0.18	1.10	208	0.23	1.10	219	0.26	1.10	246	0.35	1.10	265	0.43	1.10	284	0.52	1.10	302	0.61	1.10	321	0.72	1.10	340	0.84	1.10
	25	136	0.23	1.10	156	0.28	1.10	175	0.33	1.10	194	0.39	1.10	206	0.43	1.10	232	0.52	1.10	252	0.59	1.10	271	0.66	1.10	290	0.74	1.10	309	0.83	1.10	328	0.92	1.10
	50	120	0.35	1.10	140	0.41	1.10	160	0.48	1.10	180	0.55	1.10	192	0.59	1.10	219	0.70	1.10	238	0.78	1.10	258	0.87	1.10	277	0.96	1.10	296	1.06	1.50	316	1.16	1.50
	75	102	0.47	1.10	123	0.54	1.10	144	0.62	1.10	164	0.70	1.10	176	0.75	1.10	205	0.88	1.10	225	0.97	1.10	244	1.07	1.50	264	1.18	1.50	284	1.29	1.50	303	1.40	2.20
	100	82	0.59	1.50	105	0.67	1.50	126	0.76	1.50	148	0.86	1.10	160	0.92	1.10	189	1.06	1.50	210	1.17	1.50	230	1.28	1.50	250	1.40	2.20	270	1.52	2.20	290	1.65	2.20
	125	60	0.70	2.20	85	0.80	1.50	108	0.91	1.50	130	1.01	1.50	143	1.08	1.10	174	1.24	1.50	195	1.36	1.50	215	1.49	2.20	236	1.62	2.20	256	1.75	2.20	277	1.89	2.20
	150	-	-	-	63	0.93	2.20	88	1.05	2.20	112	1.17	1.50	126	1.24	1.50	157	1.42	2.20	179	1.56	2.20	200	1.69	2.20	221	1.84	2.20	242	1.98	2.20	262	2.13	3.00
	175	-	-	-	-	-	-	67	1.19	2.20	92	1.33	2.20	107	1.41	1.50	139	1.60	2.20	162	1.75	2.20	184	1.90	2.20	205	2.05	3.00	227	2.21	3.00	248	2.38	3.00
	200	-	-	-	-	-	-	-	-	-	71	1.48	2.20	87	1.57	2.20	121	1.79	2.20	144	1.94	2.20	167	2.11	3.00	189	2.27	3.00	211	2.44	3.00	233	2.62	3.00
	225	-	-	-	-	-	-	-	-	-	66	1.74	2.20	102	1.97	2.20	126	2.14	3.00	150	2.31	3.00	173	2.49	3.00	195	2.67	3.00	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]			
325	-	-	-	-	-	-	-	-	-	-	-	-	104	3.62	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	96	3.19	4.00	119	3.37	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
275	-	-	-	-	-	-	-	-	-	112	2.95	4.00	135	3.13	4.00	186	3.56	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-		
250	-	-	-	-	-	-	-	-	-	128	2.72	4.00	150	2.89	4.00	200	3.29	4.00	234	3.60	4.00	-	-	-	-	-	-	-	-	-	-		
225	-	-	-	66	2.00	4.00	106	2.24	4.00	144	2.49	4.00	165	2.64	3.00	214	3.02	4.00	247	3.31	4.00	280	3.62	4.00	-	-	-	-	-	-	-		
200	-	-	-	85	1.80	4.00	123	2.02	3.00	160	2.25	3.00	181	2.40	3.00	228	2.75	4.00	261	3.03	4.00	292	3.31	4.00	324	3.61	4.00	-	-	-	-		
175	65	1.41	4.00	104	1.60	3.00	141	1.81	3.00	176	2.02	3.00	196	2.15	3.00	242	2.49	3.00	274	2.74	4.00	305	3.01	4.00	336	3.29	4.00	366	3.60	4.00	-	-	
150	85	1.23	3.00	123	1.41	3.00	158	1.59	3.00	192	1.79	2.20	211	1.91	2.20	256	2.22	3.00	287	2.45	3.00	317	2.71	3.00	347	2.97	4.00	377	3.26	4.00	406	3.56	4.00
125	106	1.06	3.00	141	1.21	3.00	175	1.38	2.20	208	1.55	2.20	227	1.67	2.20	270	1.95	2.20	300	2.17	3.00	330	2.40	3.00	359	2.65	3.00	388	2.92	4.00	417	3.21	4.00
100	127	0.88	2.20	160	1.01	2.20	192	1.16	2.20	224	1.32	2.20	242	1.42	2.20	284	1.68	2.20	313	1.88	2.20	343	2.10	3.00	371	2.33	3.00	400	2.58	3.00	428	2.85	4.00
75	147	0.70	2.20	179	0.82	2.20	210	0.95	2.20	240	1.09	2.20	257	1.18	2.20	298	1.41	2.20	327	1.60	2.20	355	1.80	2.20	383	2.01	3.00	411	2.25	3.00	439	2.50	3.00
50	168	0.52	2.20	198	0.62	2.20	227	0.73	2.20	256	0.86	2.20	273	0.94	2.20	312	1.14	2.20	340	1.31	2.20	368	1.49	2.20	395	1.69	2.20	422	1.91	2.20	450	2.14	3.00
25	189	0.35	2.20	217	0.43	2.20	244	0.52	2.20	272	0.62	2.20	288	0.69	2.20	326	0.87	2.20	353	1.02	2.20	380	1.19	2.20	407	1.37	2.20	434	1.57	2.20	460	1.79	2.20
0	209	0.17	2.20	236	0.23	2.20	262	0.30	2.20	288	0.39	2.20	304	0.45	2.20	340	0.61	2.20	366	0.74	2.20	393	0.89	2.20	419	1.05	2.20	445	1.23	2.20	471	1.44	2.20
25	192	0.38	2.20	219	0.45	2.20	246	0.54	2.20	272	0.63	2.20	288	0.69	2.20	325	0.84	2.20	352	0.96	2.20	378	1.09	2.20	405	1.22	2.20	431	1.36	2.20	457	1.51	2.20
50	173	0.55	2.20	201	0.65	2.20	228	0.75	2.20	256	0.86	2.20	272	0.94	2.20	310	1.11	2.20	337	1.25	2.20	363	1.39	2.20	390	1.55	2.20	417	1.71	2.20	444	1.88	2.20
75	152	0.73	2.20	181	0.84	2.20	210	0.97	2.20	238	1.10	2.20	255	1.18	2.20	293	1.38	2.20	321	1.54	2.20	348	1.70	2.20	375	1.87	2.20	402	2.05	3.00	429	2.24	3.00
100	129	0.90	2.20	160	1.04	2.20	190	1.18	2.20	219	1.33	2.20	236	1.42	2.20	276	1.65	2.20	304	1.83	2.20	332	2.01	3.00	359	2.20	3.00	387	2.39	3.00	414	2.60	3.00
125	104	1.07	3.00	137	1.23	3.00	168	1.39	2.20	198	1.56	2.20	216	1.67	2.20	257	1.92	2.20	286	2.12	3.00	314	2.32	3.00	342	2.52	3.00	370	2.74	4.00	398	2.96	4.00
150	-	-	-	112	1.42	3.00	145	1.61	3.00	177	1.79	2.20	195	1.91	2.20	238	2.19	3.00	267	2.40	3.00	296	2.62	3.00	325	2.85	4.00	354	3.08	4.00	382	3.32	4.00
175	-	-	-	85	1.62	3.00	120	1.82	3.00	154	2.03	3.00	173	2.15	3.00	217	2.46	3.00	248	2.69	3.00	278	2.93	4.00	307	3.17	4.00	336	3.43	4.00	-	-	-
200	-	-	-	-	-	-	94	2.03	4.00	130	2.26	3.00	150	2.40	3.00	196	2.73	4.00	227	2.98	4.00	258	3.24	4.00	288	3.50	4.00	-	-	-	-	-	
225	-	-	-	-	-	-	-	-	-	104	2.49	4.00	125	2.64	3.00	173	3.00	4.00	206	3.27	4.00	238	3.54	4.00	-	-	-	-	-	-	-	-	
250	-	-	-	-	-	-	-	-	-	-	-	-	100	2.89	4.00	150	3.27	4.00	184	3.56	4.00	-	-	-	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]			
350	-	-	-	-	-	-	-	-	-	-	-	-	135	4.48	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
325	-	-	-	-	-	-	-	-	-	-	-	-	155	4.21	5.50	228	4.79	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	143	3.70	5.50	175	3.93	5.50	246	4.49	5.50	294	4.91	5.50	-	-	-	-	-	-	-	-	-	-		
275	-	-	-	-	-	-	110	3.09	5.50	164	3.44	5.50	195	3.66	5.50	264	4.19	5.50	311	4.59	5.50	-	-	-	-	-	-	-	-	-	-	-	
250	-	-	-	-	-	-	133	2.85	5.50	185	3.18	4.00	215	3.38	4.00	282	3.88	5.50	328	4.26	5.50	373	4.67	5.50	-	-	-	-	-	-	-	-	
225	-	-	-	102	2.32	5.50	155	2.61	4.00	205	2.91	4.00	235	3.11	4.00	300	3.58	4.00	345	3.94	5.50	389	4.32	5.50	432	4.73	5.50	-	-	-	-	-	
200	-	-	-	126	2.10	4.00	177	2.37	4.00	226	2.65	4.00	255	2.83	4.00	318	3.28	4.00	362	3.62	4.00	405	3.98	5.50	448	4.37	5.50	489	4.77	5.50	-	-	-
175	98	1.64	4.00	150	1.87	4.00	200	2.12	4.00	247	2.39	3.00	274	2.55	3.00	337	2.97	4.00	379	3.29	4.00	422	3.64	5.50	463	4.00	5.50	504	4.39	5.50	544	4.81	5.50
150	125	1.44	4.00	175	1.65	4.00	222	1.88	3.00	268	2.12	3.00	294	2.28	3.00	355	2.67	3.00	397	2.97	4.00	438	3.29	4.00	478	3.64	5.50	518	4.01	5.50	558	4.41	5.50
125	151	1.24	3.00	199	1.43	3.00	245	1.64	3.00	289	1.86	3.00	314	2.00	3.00	373	2.36	3.00	414	2.65	3.00	454	2.95	4.00	494	3.28	4.00	533	3.63	4.00	572	4.01	5.50
100	178	1.04	3.00	223	1.21	3.00	267	1.39	2.20	309	1.60	2.20	334	1.73	2.20	391	2.06	3.00	431	2.32	3.00	470	2.61	3.00	509	2.92	4.00	548	3.25	4.00	586	3.61	4.00
75	205	0.84	2.20	248	0.99	2.20	289	1.15	2.20	330	1.33	2.20	354	1.45	2.20	409	1.76	2.20	448	2.00	3.00	486	2.27	3.00	525	2.56	3.00	562	2.87	4.00	600	3.21	4.00
50	232	0.64	2.20	272	0.76	2.20	312	0.91	2.20	351	1.07	2.20	374	1.18	2.20	427	1.45	2.20	465	1.68	2.20	503	1.92	2.20	540	2.19	3.00	577	2.49	3.00	614	2.81	4.00
25	259	0.43	2.20	297	0.54	2.20	334	0.67	2.20	372	0.81	2.20	394	0.90	2.20	446	1.15	2.20	482	1.35	2.20	519	1.58	2.20	555	1.83	2.20	592	2.11	3.00	628	2.41	3.00
0	285	0.23	2.20	321	0.32	2.20	357	0.42	2.20	392	0.54	2.20	414	0.63	2.20	464	0.85	2.20	499	1.03	2.20	535	1.24	2.20	571	1.47	2.20	606	1.73	2.20	642	2.01	3.00
25	263	0.48	2.20	299	0.58	2.20	336	0.70	2.20	372	0.82	2.20	393	0.90	2.20	444	1.11	2.20	480	1.26	2.20	516	1.44	2.20	552	1.62	2.20	588	1.81	2.20	623	2.02	3.00
50	238	0.68	2.20	276	0.80	2.20	313	0.94	2.20	350	1.08	2.20	372	1.18	2.20	424	1.41	2.20	460	1.59	2.20	497	1.78	2.20	533	1.99	2.20	569	2.20	3.00	605	2.43	3.00
75	211	0.87	2.20	251	1.02	2.20	289	1.18	2.20	327	1.35	2.20	350	1.45	2.20	402	1.72	2.20	440	1.92	2.20	477	2.13	3.00	513	2.35	3.00	550	2.59	3.00	587	2.84	4.00
100	181	1.07	3.00	223	1.24	3.00	263	1.42	2.20	303	1.61	2.20	326	1.73	2.20	380	2.02	3.00	418	2.24	3.00	455	2.48	3.00	493	2.72	3.00	530	2.98	4.00	567	3.25	4.00
125	149	1.27	3.00	193	1.46	3.00	235	1.66	3.00	276	1.87	3.00	300	2.00	3.00	356	2.33	3.00	395	2.57	3.00	433	2.82	4.00	471	3.09	4.00	509	3.37	4.00	547	3.66	5.50
150	114	1.46	4.00	161	1.68	4.00	205	1.90	3.00	248	2.13	3.00	273	2.28	3.00	331	2.63	3.00	371	2.90	4.00	410	3.17	4.00	449	3.46	4.00	488	3.76	5.50	526	4.07	5.50
175	-	-	-	126	1.90	4.00	174	2.14	4.00	219	2.40	3.00	245	2.55	3.00	304	2.94	4.00	345	3.22	4.00	386	3.52	4.00	426	3.83	5.50	465	4.14	5.50	504	4.47	5.50
200	-	-	-	-	-	-	140	2.38	4.00	187	2.66	4.00	215	2.83	4.00	276	3.24	4.00	319	3.55	4.00	361	3.87	5.50	401	4.19	5.50	442	4.53	5.50	481	4.88	5.50
225	-	-	-	-	-	-	-	-	-	154	2.92	4.00	183	3.11	4.00	247	3.55	4.00	291	3.88	5.50	334	4.21	5.50	376	4.56	5.50	417	4.92	5.50	-	-	-
250	-	-	-	-	-	-	-	-	-	120	3.19	4.00	150	3.38	4.00	217	3.85	5.50	263	4.20	5.50	307	4.56	5.50	350	4.93	5.50	-	-	-	-	-	
275	-	-	-	-	-	-	-	-	-	-	-	-	115	3.66	4.00	185	4.16	5.50	233	4.53	5.50	279	4.91	5.50	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*				
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]					
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	168	748	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	400	-	-	-	-	-	-	-	-	-	-	-	190	710	920	285	806	920	-	-	-	-	-	-	-	-	-	-	-	-	-				
	375	-	-	-	-	-	-	-	-	169	633	920	211	671	920	304	764	920	368	833	920	-	-	-	-	-	-	-	-	-	-				
	350	-	-	-	-	-	-	-	-	192	597	750	233	633	750	324	722	920	386	788	920	-	-	-	-	-	-	-	-	-	-				
	325	-	-	-	-	-	-	-	-	145	504	750	215	560	750	255	595	750	344	679	750	405	743	920	464	810	920	-	-	-	-				
	300	-	-	-	-	-	-	-	-	170	470	750	237	523	750	276	556	750	364	637	750	424	698	920	482	763	920	539	830	920	-	-			
	275	-	-	-	-	-	-	-	-	124	389	750	194	437	750	298	518	750	383	595	750	442	653	750	499	715	920	555	780	920	-	-			
	250	-	-	-	-	-	-	-	-	151	358	750	218	403	750	320	480	550	403	553	750	461	608	750	517	667	750	572	730	920	626	796	920	-	-
	225	107	2.88	750	177	3.27	750	243	3.69	550	305	4.13	550	341	4.41	550	423	5.10	750	479	5.63	750	535	6.20	750	589	6.79	750	642	743	920	695	810	920	
	200	137	2.60	750	204	2.96	550	267	3.35	550	328	3.77	550	363	4.03	550	443	4.68	550	498	5.18	750	552	5.72	750	606	6.29	750	658	6.90	920	710	754	920	
	175	166	2.32	550	230	2.65	550	292	3.02	550	350	3.40	550	385	3.65	400	463	4.26	550	517	4.73	550	570	5.24	750	622	5.78	750	674	6.36	750	725	6.98	920	
	150	195	2.04	550	257	2.35	550	316	2.68	400	373	3.04	400	406	3.26	400	482	3.84	550	535	4.28	550	587	4.76	550	639	5.28	750	690	5.83	750	740	6.43	750	
	125	224	1.76	550	283	2.04	400	340	2.34	400	395	2.67	400	428	2.88	400	502	3.41	400	554	3.83	550	605	4.29	550	656	4.78	550	706	5.30	750	756	5.87	750	
	100	253	1.48	400	310	1.73	400	365	2.00	300	418	2.30	300	450	2.50	300	522	2.99	400	572	3.38	400	623	3.81	550	672	4.27	550	722	4.77	550	771	5.31	750	
	75	282	1.20	300	336	1.42	300	389	1.66	300	441	1.94	300	471	2.11	300	541	2.57	300	591	2.93	400	640	3.33	400	689	3.77	550	738	4.24	550	786	4.76	550	
	50	311	0.92	300	363	1.11	300	413	1.33	300	463	1.57	300	493	1.73	300	561	2.15	300	610	2.48	300	658	2.86	400	706	3.27	400	754	3.71	550	801	4.20	550	
	25	341	0.64	300	389	0.80	300	438	0.99	300	486	1.20	300	514	1.35	300	581	1.72	300	628	2.03	300	675	2.38	300	723	2.76	400	770	3.18	400	816	3.64	550	
	0	370	0.36	300	416	0.49	300	462	0.65	300	508	0.84	300	536	0.96	300	601	1.30	300	647	1.58	300	693	1.90	300	739	2.26	300	785	2.65	300	832	3.08	400	
SUCTION	25	345	0.71	300	392	0.86	300	439	1.04	300	486	1.22	300	514	1.35	300	579	1.66	300	626	1.90	300	672	2.16	300	718	2.43	300	765	2.73	400	811	3.05	400	
	50	319	0.98	300	367	1.17	300	415	1.37	300	463	1.59	300	492	1.73	300	558	2.08	300	605	2.35	300	652	2.64	300	699	2.95	400	745	3.27	400	792	3.62	400	
	75	290	1.26	300	340	1.47	300	389	1.71	300	438	1.96	300	467	2.11	300	535	2.50	300	583	2.81	400	630	3.12	400	678	3.46	400	725	3.81	550	772	4.18	550	
	100	257	1.53	400	310	1.78	400	361	2.04	400	412	2.32	300	441	2.50	300	510	2.93	400	559	3.26	400	608	3.61	400	656	3.97	550	704	4.35	550	751	4.75	550	
	125	221	1.80	550	277	2.08	400	331	2.38	400	383	2.69	400	414	2.88	400	484	3.35	400	534	3.71	550	584	4.09	550	633	4.48	550	681	4.89	550	730	5.32	750	
	150	183	2.08	550	242	2.39	550	298	2.71	550	352	3.05	400	384	3.26	400	457	3.78	550	508	4.17	550	558	4.57	550	608	4.99	550	658	5.43	750	707	5.89	750	
	175	-	-	-	203	2.69	550	263	3.05	550	320	3.42	550	353	3.65	400	428	4.20	550	480	4.62	550	532	5.06	750	583	5.51	750	633	5.98	750	683	6.46	750	
	200	-	-	-	-	-	-	225	3.38	550	285	3.78	550	320	4.03	550	397	4.63	550	451	5.07	750	504	5.54	750	556	6.02	750	608	6.52	750	659	7.03	920	
	225	-	-	-	-	-	-	186	3.72	750	248	4.15	550	285	4.41	550	365	5.05	750	421	5.53	750	476	6.02	750	529	6.53	750	581	7.06	920	633	7.60	920	
	250	-	-	-	-	-	-	-	-	-	210	4.51	750	248	4.80	550	332	5.48	750	390	5.98	750	445	6.50	750	500	7.04	920	554	7.60	920	607	8.17	920	
	275	-	-	-	-	-	-	-	-	-	-	-	-	209	5.18	750	297	5.90	750	356	6.44	750	414	6.99	920	470	7.55	920	525	8.14	920	-	-	-	
	300	-	-	-	-	-	-	-	-	-	-	-	-	169	5.56	750	260	6.33	750	322	6.89	920	382	7.47	920	439	8.07	920	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]			
425	-	-	-	-	-	-	-	-	-	-	-	-	268	9.43	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
400	-	-	-	-	-	-	-	-	-	-	-	-	291	8.96	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
375	-	-	-	-	-	-	-	-	-	265	7.99	11.00	314	8.48	11.00	424	9.69	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-		
350	-	-	-	-	-	-	-	-	-	289	7.54	11.00	337	8.01	9.20	446	9.17	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-		
325	-	-	-	-	-	-	-	-	-	231	6.36	11.00	360	7.53	9.20	467	8.64	11.00	540	9.49	11.00	-	-	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	257	5.94	9.20	384	7.06	9.20	488	8.12	9.20	560	8.93	11.00	630	9.79	11.00	-	-	-	-	-	-	-		
275	-	-	-	-	-	-	-	-	-	201	4.90	9.20	283	5.52	9.20	362	6.18	9.20	407	6.59	7.50	509	7.60	9.20	580	8.38	11.00	649	9.20	11.00	-	-	
250	-	-	-	-	-	-	-	-	-	229	4.52	9.20	310	5.10	9.20	386	5.72	7.50	430	6.11	7.50	530	7.08	9.20	600	7.82	9.20	667	8.61	11.00	734	9.45	11.00
225	176	3.62	9.20	258	4.14	9.20	336	4.69	7.50	410	5.27	7.50	453	5.64	7.50	552	6.56	7.50	620	7.26	9.20	686	8.02	9.20	752	8.82	11.00	817	9.68	11.00	-	-	
200	207	3.28	9.20	286	3.76	7.50	362	4.27	7.50	434	4.82	7.50	477	5.16	5.50	573	6.03	7.50	640	6.71	7.50	705	7.43	9.20	770	8.20	9.20	834	9.03	11.00	897	9.90	11.00
175	238	2.93	7.50	315	3.37	7.50	388	3.85	7.50	458	4.36	5.50	500	4.69	5.50	594	5.51	7.50	660	6.15	7.50	724	6.84	9.20	788	7.58	9.20	851	8.37	11.00	914	9.22	11.00
150	269	2.59	7.50	343	2.99	5.50	414	3.43	5.50	483	3.91	5.50	523	4.22	5.50	615	4.99	5.50	680	5.60	7.50	743	6.25	7.50	806	6.96	9.20	868	7.71	9.20	930	8.53	11.00
125	300	2.24	5.50	372	2.61	5.50	440	3.02	5.50	507	3.46	5.50	546	3.74	4.00	636	4.47	5.50	700	5.04	7.50	762	5.66	7.50	824	6.33	7.50	885	7.06	9.20	946	7.84	9.20
100	332	1.90	5.50	400	2.23	5.50	466	2.60	4.00	531	3.00	4.00	570	3.27	4.00	658	3.94	5.50	720	4.48	5.50	781	5.07	7.50	842	5.71	7.50	903	6.40	7.50	963	7.15	9.20
75	363	1.55	4.00	429	1.85	4.00	493	2.18	4.00	556	2.55	4.00	593	2.79	4.00	679	3.42	4.00	740	3.93	5.50	800	4.48	5.50	860	5.09	7.50	920	5.75	7.50	979	6.46	7.50
50	394	1.20	4.00	457	1.46	4.00	519	1.76	4.00	580	2.10	4.00	616	2.32	4.00	700	2.90	4.00	760	3.37	4.00	819	3.89	5.50	878	4.46	5.50	937	5.09	7.50	996	5.77	7.50
25	426	0.86	4.00	486	1.08	4.00	545	1.34	4.00	604	1.64	4.00	639	1.85	4.00	721	2.38	4.00	780	2.81	4.00	838	3.30	4.00	896	3.84	5.50	954	4.43	5.50	1012	5.08	7.50
0	457	0.51	4.00	514	0.70	4.00	571	0.93	4.00	628	1.19	4.00	663	1.37	4.00	743	1.86	4.00	800	2.26	4.00	857	2.71	4.00	914	3.22	4.00	971	3.78	5.50	1028	4.40	5.50
25	431	0.96	4.00	489	1.17	4.00	547	1.41	4.00	604	1.68	4.00	639	1.85	4.00	719	2.28	4.00	777	2.62	4.00	834	2.98	4.00	892	3.37	4.00	949	3.79	5.50	1006	4.23	5.50
50	402	1.30	4.00	462	1.55	4.00	521	1.83	4.00	580	2.13	4.00	615	2.32	4.00	696	2.80	4.00	754	3.18	4.00	812	3.58	4.00	870	4.01	5.50	928	4.46	5.50	986	4.94	5.50
75	371	1.64	4.00	432	1.93	4.00	493	2.24	4.00	553	2.58	4.00	588	2.79	4.00	671	3.33	4.00	730	3.74	5.50	789	4.18	5.50	848	4.64	5.50	906	5.13	7.50	964	5.64	7.50
100	336	1.97	5.50	400	2.30	5.50	462	2.66	4.00	524	3.03	4.00	560	3.27	4.00	645	3.85	5.50	705	4.30	5.50	764	4.77	5.50	824	5.27	7.50	883	5.79	7.50	941	6.34	7.50
125	298	2.31	5.50	365	2.68	5.50	430	3.07	5.50	493	3.48	5.50	531	3.74	4.00	617	4.38	5.50	678	4.86	5.50	739	5.37	7.50	799	5.90	7.50	858	6.46	7.50	918	7.05	9.20
150	256	2.65	7.50	327	3.06	7.50	394	3.49	5.50	460	3.94	5.50	499	4.22	5.50	588	4.90	5.50	650	5.42	7.50	711	5.97	7.50	773	6.54	7.50	833	7.13	9.20	893	7.75	9.20
175	-	-	-	-	-	-	286	3.44	7.50	357	3.90	7.50	425	4.39	5.50	507	5.03	7.50	569	5.55	7.50	633	6.57	7.50	695	7.17	9.20	757	7.80	9.20	868	8.46	11.00
200	-	-	-	-	-	-	-	-	-	317	4.32	7.50	388	4.84	7.50	470	5.54	7.50	532	6.03	7.50	596	6.66	7.50	660	7.27	9.20	722	7.97	9.20	841	9.16	11.00
225	-	-	-	-	-	-	-	-	-	275	4.73	7.50	350	5.29	7.50	432	6.03	7.50	494	6.54	7.50	557	7.16	9.20	623	7.76	9.20	687	8.44	11.00	814	9.86	11.00
250	-	-	-	-	-	-	-	-	-	-	-	-	309	5.74	7.50	394	6.54	7.50	456	7.04	9.20	519	8.36	9.20	582	9.07	11.00	644	9.78	11.00	-	-	-
275	-	-	-	-	-	-	-	-	-	-	-	-	312	6.59	7.50	416	7.53	9.20	488	8.23	9.20	557	8.96	11.00	625	9.70	11.00	695	10.48	11.00	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n				
	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	365	11.32	15.00	495	12.92	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	400	-	-	-	-	-	-	-	-	-	-	-	389	10.76	15.00	518	12.31	15.00	606	13.48	15.00	-	-	-	-	-	-	-	-	-	-	-		
	375	-	-	-	-	-	-	-	-	357	9.59	15.00	414	10.20	15.00	540	11.69	15.00	627	12.82	15.00	-	-	-	-	-	-	-	-	-	-	-		
	350	-	-	-	-	-	-	-	-	383	9.06	15.00	438	9.64	11.00	563	11.07	15.00	648	12.17	15.00	731	13.32	15.00	-	-	-	-	-	-	-	-		
	325	-	-	-	-	-	-	315	7.63	15.00	409	8.52	11.00	463	9.08	11.00	585	10.46	15.00	669	11.51	15.00	751	12.62	15.00	-	-	-	-	-	-	-		
	300	-	-	-	-	-	-	342	7.14	11.00	434	7.99	11.00	487	8.52	9.20	607	9.84	11.00	690	10.85	15.00	771	11.93	15.00	851	13.07	15.00	-	-	-	-	-	
	275	-	-	-	276	5.88	11.00	370	6.64	11.00	460	7.45	9.20	512	7.96	9.20	630	9.23	11.00	712	10.20	15.00	791	11.23	15.00	870	12.33	15.00	947	13.50	15.00	-	-	
	250	-	-	-	306	5.43	11.00	398	6.15	9.20	485	6.92	9.20	537	7.40	9.20	652	8.61	11.00	733	9.54	11.00	811	10.54	15.00	889	11.60	15.00	965	12.72	15.00	-	-	
	225	242	4.35	11.00	336	4.98	9.20	425	5.66	9.20	511	6.38	9.20	561	6.84	7.50	675	7.99	9.20	754	8.89	11.00	831	9.84	11.00	908	10.86	15.00	983	11.95	15.00	1058	13.11	15.00
	200	275	3.94	9.20	366	4.53	9.20	453	5.17	9.20	537	5.85	7.50	586	6.28	7.50	697	7.38	9.20	775	8.23	9.20	851	9.14	11.00	927	10.13	15.00	1001	11.18	15.00	1075	12.30	15.00
	175	308	3.53	9.20	396	4.08	7.50	481	4.67	7.50	562	5.31	7.50	610	5.73	7.50	720	6.76	7.50	796	7.57	9.20	871	8.45	11.00	946	9.39	11.00	1020	10.40	15.00	1093	11.49	15.00
	150	341	3.12	7.50	426	3.63	7.50	508	4.18	7.50	588	4.78	7.50	635	5.17	5.50	742	6.15	7.50	817	6.92	9.20	891	7.75	9.20	965	8.66	11.00	1038	9.63	11.00	1110	10.68	15.00
	125	374	2.72	7.50	456	3.18	7.50	536	3.69	5.50	614	4.25	5.50	659	4.61	5.50	764	5.53	7.50	838	6.26	7.50	911	7.06	9.20	984	7.92	9.20	1056	8.85	11.00	1127	9.86	11.00
	100	407	2.31	5.50	486	2.73	5.50	564	3.19	5.50	639	3.71	5.50	684	4.05	5.50	787	4.91	5.50	859	5.60	7.50	931	6.36	7.50	1003	7.19	9.20	1074	8.08	9.20	1145	9.05	11.00
	75	440	1.90	5.50	517	2.28	5.50	591	2.70	5.50	665	3.18	5.50	708	3.49	5.50	809	4.30	5.50	881	4.95	5.50	951	5.67	7.50	1022	6.45	7.50	1092	7.31	9.20	1162	8.24	9.20
	50	473	1.49	5.50	547	1.83	5.50	619	2.21	5.50	690	2.64	5.50	733	2.93	5.50	832	3.68	5.50	902	4.29	5.50	971	4.97	5.50	1041	5.72	7.50	1110	6.53	7.50	1179	7.43	9.20
	25	506	1.08	5.50	577	1.37	5.50	647	1.71	5.50	716	2.11	5.50	758	2.37	5.50	854	3.06	5.50	923	3.64	5.50	991	4.27	5.50	1060	4.98	5.50	1128	5.76	7.50	1196	6.61	7.50
	0	539	0.68	5.50	607	0.92	5.50	674	1.22	5.50	742	1.57	5.50	782	1.81	5.50	877	2.45	5.50	944	2.98	5.50	1011	3.58	5.50	1079	4.25	5.50	1146	4.99	5.50	1214	5.80	7.50
SUCTION	25	512	1.22	5.50	580	1.49	5.50	648	1.81	5.50	716	2.15	5.50	757	2.37	5.50	852	2.93	5.50	919	3.38	5.50	987	3.85	5.50	1055	4.36	5.50	1122	4.91	5.50	1190	5.49	7.50
	50	482	1.62	5.50	552	1.94	5.50	621	2.30	5.50	690	2.68	5.50	731	2.93	5.50	827	3.55	5.50	896	4.04	5.50	964	4.56	5.50	1032	5.11	7.50	1100	5.70	7.50	1168	6.32	7.50
	75	448	2.02	5.50	520	2.38	5.50	591	2.78	5.50	662	3.22	5.50	704	3.49	5.50	801	4.17	5.50	871	4.70	5.50	940	5.26	7.50	1008	5.86	7.50	1077	6.49	7.50	1146	7.15	9.20
	100	411	2.42	7.50	486	2.83	5.50	559	3.27	5.50	631	3.75	5.50	674	4.05	5.50	774	4.79	5.50	844	5.36	7.50	914	5.97	7.50	983	6.60	7.50	1053	7.28	9.20	1122	7.98	9.20
	125	371	2.82	7.50	449	3.27	7.50	525	3.76	7.50	599	4.28	5.50	643	4.61	5.50	744	5.41	7.50	816	6.02	7.50	887	6.67	7.50	957	7.35	9.20	1027	8.06	9.20	1097	8.81	11.00
	150	327	3.22	7.50	409	3.72	7.50	487	4.25	7.50	564	4.81	7.50	609	5.17	5.50	713	6.03	7.50	786	6.69	7.50	858	7.38	9.20	930	8.10	9.20	1001	8.85	11.00	1071	9.64	11.00
	175	-	-	-	365	4.16	9.20	448	4.74	7.50	527	5.35	7.50	574	5.72	7.50	680	6.65	7.50	754	7.35	9.20	828	8.08	9.20	901	8.84	11.00	973	9.64	11.00	1044	10.47	15.00
	200	-	-	-	-	-	-	405	5.23	9.20	488	5.88	7.50	536	6.28	7.50	645	7.27	9.20	722	8.01	9.20	797	8.78	11.00	871	9.59	11.00	944	10.43	15.00	1016	11.30	15.00
	225	-	-	-	-	-	-	361	5.72	9.20	446	6.41	9.20	496	6.84	7.50	609	7.89	9.20	687	8.67	11.00	764	9.49	11.00	839	10.34	15.00	914	11.22	15.00	987	12.13	15.00
	250	-	-	-	-	-	-	-	-	-	403	6.94	9.20	455	7.40	9.20	571	8.51	11.00	651	9.33	11.00	730	10.19	15.00	807	11.08	15.00	883	12.00	15.00	957	12.96	15.00
	275	-	-	-	-	-	-	-	-	-	-	-	-	411	7.96	9.20	531	9.13	11.00	614	10.00	11.00	694	10.90	15.00	773	11.83	15.00	850	12.79	15.00	-	-	-
300	-	-	-	-	-	-	-	-	-	-	-	-	365	8.52	9.20	490	9.75	11.00	575	10.66	15.00	657	11.60	15.00	738	12.58	15.00	817	13.58	15.00	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	450	-	-	-	-	-	-	-	-	-	-	-	449	14.13	18.50	600	16.16	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	425	-	-	-	-	-	-	-	-	-	-	-	475	13.48	18.50	624	15.44	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	-	-	-	-	-	436	12.05	15.00	501	12.82	15.00	648	14.72	18.50	748	16.16	18.50	-	-	-	-	-	-	-	-	-	-			
	375	-	-	-	-	-	-	-	-	463	11.43	15.00	527	12.17	15.00	671	14.00	18.50	771	15.39	18.50	-	-	-	-	-	-	-	-	-	-			
	350	-	-	-	-	-	-	-	-	490	10.80	15.00	553	11.51	15.00	695	13.27	15.00	793	14.62	18.50	888	16.05	18.50	-	-	-	-	-	-	-			
	325	-	-	-	-	-	-	-	-	517	10.18	15.00	579	10.86	15.00	719	12.55	15.00	815	13.85	18.50	910	15.23	18.50	1002	16.70	18.50	-	-	-	-	-		
	300	-	-	-	329	7.53	15.00	439	8.51	15.00	544	9.55	15.00	605	10.21	11.00	742	11.83	15.00	837	13.09	15.00	931	14.42	18.50	1022	15.84	18.50	-	-	-	-		
	275	-	-	-	361	7.00	15.00	468	7.93	15.00	571	8.92	11.00	630	9.55	11.00	766	11.11	15.00	860	12.32	15.00	952	13.60	15.00	1042	14.98	18.50	1132	16.44	18.50	-	-	-
	250	283	5.65	15.00	393	6.47	15.00	497	7.36	11.00	598	8.30	11.00	656	8.90	11.00	789	10.39	15.00	882	11.55	15.00	973	12.79	15.00	1062	14.12	18.50	1151	15.53	18.50	-	-	-
	225	317	5.17	15.00	425	5.95	11.00	527	6.78	11.00	625	7.67	11.00	682	8.24	9.20	813	9.67	11.00	904	10.78	15.00	994	11.98	15.00	1082	13.26	15.00	1170	14.63	18.50	1256	16.09	18.50
	200	352	4.70	11.00	456	5.42	11.00	556	6.20	9.20	652	7.05	9.20	708	7.59	9.20	837	8.95	11.00	926	10.01	15.00	1015	11.16	15.00	1102	12.40	15.00	1189	13.72	18.50	1274	15.14	18.50
	175	387	4.22	11.00	488	4.89	9.20	585	5.63	9.20	679	6.42	9.20	734	6.93	7.50	860	8.23	9.20	949	9.25	11.00	1036	10.35	15.00	1122	11.54	15.00	1208	12.82	15.00	1293	14.19	18.50
	150	422	3.74	9.20	520	4.37	9.20	614	5.05	7.50	706	5.80	7.50	760	6.28	7.50	884	7.51	9.20	971	8.48	11.00	1057	9.53	11.00	1142	10.68	15.00	1227	11.91	15.00	1311	13.24	15.00
	125	457	3.26	9.20	552	3.84	7.50	643	4.47	7.50	733	5.17	7.50	786	5.62	7.50	907	6.79	7.50	993	7.71	9.20	1078	8.72	11.00	1162	9.82	11.00	1246	11.01	15.00	1329	12.29	15.00
	100	492	2.79	7.50	583	3.31	7.50	672	3.89	7.50	760	4.55	7.50	812	4.97	7.50	931	6.07	7.50	1015	6.94	9.20	1099	7.91	9.20	1182	8.96	11.00	1265	10.10	15.00	1347	11.34	15.00
	75	527	2.31	7.50	615	2.78	7.50	701	3.32	7.50	787	3.92	7.50	837	4.32	7.50	955	5.34	7.50	1038	6.18	7.50	1120	7.09	9.20	1202	8.10	9.20	1284	9.19	11.00	1365	10.39	15.00
	50	561	1.83	7.50	647	2.26	7.50	731	2.74	7.50	814	3.29	7.50	863	3.66	7.50	978	4.62	7.50	1060	5.41	7.50	1141	6.28	7.50	1222	7.24	9.20	1303	8.29	9.20	1384	9.44	11.00
	25	596	1.36	7.50	678	1.73	7.50	760	2.16	7.50	841	2.67	7.50	889	3.01	7.50	1002	3.90	7.50	1082	4.64	7.50	1162	5.46	7.50	1242	6.38	7.50	1322	7.38	9.20	1402	8.49	11.00
0	631	0.88	7.50	710	1.20	7.50	789	1.59	7.50	868	2.04	7.50	915	2.35	7.50	1025	3.18	7.50	1104	3.87	7.50	1183	4.65	7.50	1262	5.52	7.50	1341	6.48	7.50	1420	7.54	9.20	
SUCTION	25	602	1.53	7.50	682	1.88	7.50	761	2.28	7.50	840	2.72	7.50	888	3.01	7.50	999	3.73	7.50	1078	4.30	7.50	1157	4.91	7.50	1236	5.57	7.50	1315	6.27	7.50	1394	7.02	9.20
	50	571	2.00	7.50	653	2.40	7.50	733	2.85	7.50	814	3.35	7.50	862	3.66	7.50	974	4.46	7.50	1054	5.07	7.50	1133	5.74	7.50	1213	6.44	7.50	1292	7.20	9.20	1372	7.99	9.20
	75	536	2.46	7.50	620	2.93	7.50	703	3.43	7.50	785	3.97	7.50	834	4.32	7.50	947	5.18	7.50	1028	5.85	7.50	1108	6.56	7.50	1189	7.32	9.20	1269	8.12	9.20	1349	8.97	11.00
	100	497	2.93	7.50	584	3.45	7.50	669	4.00	7.50	753	4.59	7.50	803	4.97	7.50	919	5.91	7.50	1000	6.62	7.50	1082	7.39	9.20	1163	8.19	9.20	1244	9.04	11.00	1324	9.94	11.00
	125	454	3.40	9.20	545	3.97	7.50	633	4.57	7.50	719	5.22	7.50	770	5.62	7.50	888	6.63	7.50	971	7.40	9.20	1054	8.21	9.20	1136	9.07	11.00	1217	9.97	11.00	1299	10.91	15.00
	150	407	3.87	9.20	502	4.49	9.20	593	5.15	9.20	682	5.84	7.50	735	6.28	7.50	855	7.36	9.20	940	8.18	9.20	1024	9.04	11.00	1107	9.94	11.00	1190	10.89	15.00	1272	11.88	15.00
	175	355	4.34	11.00	455	5.01	9.20	551	5.72	9.20	643	6.47	9.20	697	6.93	7.50	820	8.08	9.20	907	8.95	11.00	992	9.86	11.00	1077	10.82	15.00	1161	11.81	15.00	1244	12.85	15.00
	200	-	-	-	405	5.53	11.00	505	6.29	11.00	601	7.09	9.20	657	7.59	9.20	784	8.81	11.00	872	9.73	11.00	959	10.69	15.00	1045	11.69	15.00	1130	12.74	15.00	1215	13.82	18.50
	225	-	-	-	352	6.05	15.00	457	6.86	11.00	556	7.71	11.00	614	8.24	9.20	745	9.53	11.00	835	10.50	15.00	924	11.51	15.00	1012	12.56	15.00	1099	13.66	18.50	1184	14.80	18.50
	250	-	-	-	-	-	-	405	7.44	15.00	509	8.34	11.00	569	8.90	9.20	704	10.26	15.00	797	11.28	15.00	888	12.34	15.00	978	13.44	15.00	1066	14.58	18.50	1153	15.77	18.50
275	-	-	-	-	-	-	-	-	-	459	8.96	11.00	522	9.55	11.00	661	10.98	15.00	757	12.05	15.00	850	13.16	15.00	942	14.31	18.50	1031	15.50	18.50	1120	16.74	18.50	
300	-	-	-	-	-	-	-	-	-	407	9.58	15.00	472	10.21	11.00	617	11.71	15.00	715	12.83	15.00	811	13.98	18.50	904	15.19	18.50	996	16.43	18.50	-	-	-	
325	-	-	-	-	-	-	-	-	-	-	-	-	420	10.86	15.00	570	12.43	15.00	671	13.60	15.00	770	14.81	18.50	865	16.06	18.50	-	-	-	-	-		
350	-	-	-	-	-	-	-	-	-	-	-	-	366	11.51	15.00	521	13.16	15.00	626	14.38	18.50	727	15.63	18.50	-	-	-	-	-	-	-			

Tolerance on indicated values ± 10%.

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n				
	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	[m³/h]	[kW]	[kW]	
COMPRESSION	400	-	-	-	-	-	-	-	-	583	15.67	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	375	-	-	-	-	-	-	-	-	610	14.88	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	350	-	-	-	-	-	-	-	-	568	13.20	18.50	638	14.10	18.50	794	16.32	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	325	-	-	-	-	-	-	-	-	597	12.45	18.50	665	13.31	18.50	819	15.45	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	300	-	-	-	-	-	-	-	-	625	11.71	15.00	692	12.53	18.50	844	14.59	18.50	950	16.18	18.50	-	-	-	-	-	-	-	-	-	-	-		
	275	-	-	-	-	-	-	-	-	654	10.96	15.00	720	11.75	15.00	869	13.73	18.50	973	15.26	18.50	-	-	-	-	-	-	-	-	-	-	-		
	250	-	-	-	457	7.91	15.00	572	9.02	15.00	683	10.21	15.00	747	10.96	15.00	895	12.86	15.00	997	14.34	18.50	1098	15.93	18.50	-	-	-	-	-	-	-		
	225	372	6.31	15.00	490	7.28	15.00	603	8.33	15.00	711	9.46	15.00	775	10.18	15.00	920	12.00	15.00	1021	13.42	15.00	1120	14.95	18.50	1219	16.60	18.50	-	-	-	-		
	200	409	5.74	15.00	524	6.65	15.00	634	7.64	15.00	740	8.71	11.00	802	9.40	11.00	945	11.14	15.00	1044	12.50	15.00	1143	13.98	18.50	1240	15.57	18.50	-	-	-	-		
	175	446	5.17	15.00	557	6.02	11.00	665	6.95	11.00	768	7.96	11.00	830	8.61	11.00	970	10.27	15.00	1068	11.58	15.00	1165	13.00	15.00	1261	14.54	18.50	1356	16.20	18.50	-	-	
	150	483	4.60	11.00	591	5.39	11.00	695	6.25	11.00	797	7.21	9.20	857	7.83	9.20	995	9.41	11.00	1092	10.66	15.00	1187	12.03	15.00	1282	13.51	15.00	1376	15.11	18.50	-	-	
	125	520	4.03	11.00	625	4.75	9.20	726	5.56	9.20	826	6.46	9.20	885	7.04	9.20	1020	8.55	11.00	1115	9.74	11.00	1210	11.05	15.00	1304	12.48	15.00	1397	14.03	18.50	1489	15.71	18.50
	100	557	3.45	9.20	658	4.12	9.20	757	4.87	9.20	855	5.71	9.20	912	6.26	9.20	1045	7.68	9.20	1139	8.82	11.00	1232	10.08	15.00	1325	11.45	15.00	1417	12.95	15.00	1509	14.57	18.50
	75	594	2.88	9.20	692	3.49	9.20	788	4.18	9.20	883	4.96	9.20	940	5.48	9.20	1070	6.82	9.20	1163	7.90	9.20	1255	9.10	11.00	1346	10.42	15.00	1437	11.86	15.00	1528	13.43	15.00
50	631	2.31	9.20	726	2.86	9.20	819	3.49	9.20	912	4.21	9.20	967	4.69	9.20	1095	5.95	9.20	1186	6.98	9.20	1277	8.13	9.20	1367	9.39	11.00	1458	10.78	15.00	1548	12.29	15.00	
25	668	1.74	9.20	759	2.23	9.20	850	2.80	9.20	941	3.46	9.20	995	3.91	9.20	1121	5.09	9.20	1210	6.07	9.20	1299	7.15	9.20	1389	8.36	9.20	1478	9.69	11.00	1567	11.15	15.00	
0	705	1.17	9.20	793	1.60	9.20	881	2.11	9.20	969	2.72	9.20	1022	3.13	9.20	1146	4.23	9.20	1234	5.15	9.20	1322	6.18	9.20	1410	7.33	9.20	1498	8.61	11.00	1586	10.02	15.00	
SUCTION	25	674	1.97	9.20	763	2.44	9.20	852	2.96	9.20	941	3.54	9.20	994	3.91	9.20	1118	4.86	9.20	1206	5.61	9.20	1295	6.42	9.20	1383	7.29	9.20	1471	8.22	9.20	1560	9.20	11.00
	50	640	2.53	9.20	731	3.06	9.20	822	3.64	9.20	911	4.28	9.20	965	4.69	9.20	1090	5.73	9.20	1180	6.54	9.20	1269	7.41	9.20	1358	8.34	9.20	1447	9.32	11.00	1535	10.37	15.00
	75	603	3.09	9.20	696	3.68	9.20	788	4.33	9.20	880	5.03	9.20	934	5.48	9.20	1061	6.60	9.20	1151	7.47	9.20	1241	8.40	11.00	1331	9.38	11.00	1421	10.43	15.00	1510	11.53	15.00
	100	562	3.65	9.20	658	4.31	9.20	752	5.02	9.20	846	5.78	9.20	901	6.26	9.20	1030	7.47	9.20	1122	8.40	11.00	1212	9.38	11.00	1303	10.43	15.00	1393	11.53	15.00	1483	12.70	15.00
	125	516	4.21	11.00	616	4.93	9.20	714	5.70	9.20	809	6.52	9.20	866	7.04	9.20	997	8.34	9.20	1090	9.33	11.00	1182	10.37	15.00	1274	11.48	15.00	1365	12.64	15.00	1456	13.86	18.50
	150	467	4.77	15.00	571	5.55	11.00	672	6.39	11.00	771	7.27	9.20	829	7.83	9.20	962	9.20	11.00	1057	10.25	15.00	1150	11.36	15.00	1243	12.52	15.00	1335	13.74	18.50	1427	15.02	18.50
	175	-	-	-	523	6.18	15.00	628	7.07	11.00	729	8.02	11.00	789	8.61	11.00	926	10.07	15.00	1022	11.18	15.00	1116	12.35	15.00	1211	13.57	15.00	1304	14.85	18.50	1397	16.19	18.50
	200	-	-	-	-	-	-	581	7.76	15.00	685	8.77	11.00	747	9.40	11.00	887	10.94	15.00	985	12.11	15.00	1081	13.33	15.00	1177	14.62	18.50	1271	15.95	18.50	-	-	-
	225	-	-	-	-	-	-	530	8.44	15.00	639	9.51	15.00	702	10.18	11.00	846	11.81	15.00	946	13.04	15.00	1045	14.32	18.50	1142	15.66	18.50	-	-	-	-	-	
	250	-	-	-	-	-	-	-	-	-	590	10.26	15.00	656	10.96	15.00	804	12.68	15.00	906	13.97	18.50	1007	15.31	18.50	1105	16.71	18.50	-	-	-	-	-	
275	-	-	-	-	-	-	-	-	-	-	-	-	607	11.75	15.00	759	13.55	15.00	864	14.89	18.50	967	16.30	18.50	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	-	-	-	556	12.53	15.00	713	14.41	18.50	821	15.82	18.50	-	-	-	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	325	-	-	-	-	-	-	-	-	-	-	-	176	6.07	7.50	281	6.56	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	199	5.69	7.50	281	6.56	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	-	-	-	186	4.98	7.50	222	5.32	7.50	302	6.15	7.50	356	6.78	7.50	-	-	-	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	150	4.11	7.50	211	4.62	7.50	245	4.94	5.50	323	5.73	7.50	376	6.34	7.50	-	-	-	-	-	-	-	-	-	-	-	-
	225	-	-	-	-	-	176	3.78	7.50	235	4.26	5.50	268	4.56	5.50	344	5.31	7.50	396	5.90	7.50	447	6.52	7.50	-	-	-	-	-	-	-	-	-
	200	-	-	-	143	3.03	202	3.45	5.50	259	3.90	5.50	292	4.18	5.50	365	4.90	5.50	416	5.45	7.50	466	6.05	7.50	515	6.69	7.50	-	-	-	-	-	-
	175	111	2.36	5.50	171	2.72	229	3.11	5.50	283	3.54	5.50	315	3.80	5.50	387	4.48	5.50	436	5.01	7.50	485	5.58	7.50	533	6.19	7.50	-	-	-	-	-	-
	150	142	2.09	5.50	200	2.42	255	2.78	5.50	307	3.17	4.00	338	3.43	4.00	408	4.07	5.50	456	4.57	5.50	504	5.11	7.50	551	5.70	7.50	597	6.33	7.50	-	-	-
	125	173	1.81	5.50	228	2.11	281	2.45	4.00	331	2.81	4.00	361	3.05	4.00	429	3.65	5.50	476	4.12	5.50	523	4.64	5.50	568	5.20	7.50	614	5.81	7.50	659	6.46	7.50
	100	204	1.54	4.00	257	1.81	307	2.11	4.00	356	2.45	4.00	384	2.67	4.00	450	3.23	4.00	496	3.68	5.50	541	4.17	5.50	586	4.70	5.50	631	5.28	7.50	675	5.91	7.50
SUCTION	75	235	1.26	4.00	285	1.51	333	1.78	4.00	380	2.09	4.00	408	2.29	4.00	471	2.82	4.00	516	3.24	4.00	560	3.70	5.50	604	4.21	5.50	648	4.76	5.50	692	5.36	7.50
	50	267	0.98	4.00	313	1.20	359	1.45	4.00	404	1.73	4.00	431	1.91	4.00	492	2.40	4.00	536	2.79	4.00	579	3.23	4.00	622	3.71	5.50	665	4.24	5.50	708	4.81	5.50
	25	298	0.71	4.00	342	0.90	385	1.12	4.00	428	1.37	4.00	454	1.54	4.00	514	1.98	4.00	556	2.35	4.00	598	2.76	4.00	640	3.21	4.00	682	3.71	5.50	724	4.26	5.50
	0	329	0.43	4.00	370	0.59	411	0.78	4.00	453	1.01	4.00	477	1.16	4.00	535	1.57	4.00	576	1.91	4.00	617	2.29	4.00	658	2.72	4.00	699	3.19	4.00	741	3.71	5.50
	25	303	0.79	4.00	345	0.97	387	1.17	4.00	428	1.39	4.00	453	1.54	4.00	511	1.90	4.00	553	2.18	4.00	594	2.49	4.00	636	2.82	4.00	677	3.17	4.00	719	3.54	4.00
	50	274	1.06	4.00	318	1.27	361	1.50	4.00	403	1.75	4.00	429	1.91	4.00	488	2.32	4.00	530	2.63	4.00	572	2.97	4.00	614	3.32	4.00	656	3.70	5.50	698	4.10	5.50
	75	243	1.33	4.00	288	1.57	333	1.83	4.00	376	2.11	4.00	403	2.29	4.00	463	2.74	4.00	506	3.08	4.00	549	3.44	4.00	591	3.83	5.50	634	4.23	5.50	676	4.66	5.50
	100	208	1.60	4.00	256	1.87	302	2.16	4.00	348	2.47	4.00	375	2.67	4.00	437	3.16	4.00	481	3.53	4.00	524	3.92	5.50	567	4.33	5.50	610	4.77	5.50	653	5.22	7.50
	125	170	1.87	5.50	221	2.18	270	2.50	4.00	317	2.83	4.00	345	3.05	4.00	409	3.57	4.00	454	3.97	5.50	498	4.39	5.50	542	4.84	5.50	586	5.30	7.50	629	5.79	7.50
	150	-	-	-	184	2.48	235	2.83	5.50	285	3.20	4.00	313	3.43	4.00	380	3.99	5.50	426	4.42	5.50	471	4.87	5.50	516	5.34	7.50	561	5.83	7.50	605	6.35	7.50
	175	-	-	-	-	-	198	3.16	5.50	250	3.56	5.50	280	3.80	5.50	349	4.41	5.50	396	4.87	5.50	443	5.35	7.50	489	5.85	7.50	534	6.37	7.50	-	-	-
SUCTION	200	-	-	-	-	-	-	-	-	214	3.92	5.50	245	4.18	5.50	316	4.83	5.50	366	5.32	7.50	414	5.82	7.50	461	6.35	7.50	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	175	4.28	5.50	209	4.56	5.50	283	5.25	7.50	334	5.76	7.50	383	6.30	7.50	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	-	-	-	170	4.94	5.50	247	5.67	7.50	300	6.21	7.50	351	6.78	7.50	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	90	4.11	5.50	117	4.67	5.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	600	-	-	-	-	-	-	-	-	-	-	-	96	3.84	5.50	123	4.37	5.50	142	4.77	5.50	166	4.85	5.50	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	91	3.36	5.50	102	3.57	4.00	129	4.07	5.50	148	4.45	5.50	172	4.51	5.50	190	4.91	5.50	-	-	-	-	-		
	500	-	-	-	-	-	-	-	-	97	3.10	4.00	108	3.29	4.00	135	3.77	5.50	153	4.13	5.50	178	4.17	5.50	196	4.55	5.50	213	4.95	5.50	-	-	-	
	450	-	-	-	-	-	-	-	-	103	2.84	4.00	115	3.02	3.00	141	3.47	4.00	159	3.81	5.50	183	3.83	5.50	201	4.19	5.50	219	4.57	5.50	236	4.97	5.50	
	400	-	-	-	72	2.05	4.00	91	2.31	4.00	110	2.58	4.00	121	2.75	3.00	147	3.17	4.00	165	3.49	4.00	189	3.49	4.00	207	3.83	5.50	224	4.19	5.50	242	4.57	5.50
	350	60	1.60	4.00	79	1.83	4.00	98	2.06	4.00	117	2.32	3.00	128	2.47	3.00	154	2.87	4.00	172	3.17	4.00	196	3.15	4.00	213	3.47	4.00	230	3.81	5.50	247	4.18	5.50
	300	67	1.41	4.00	87	1.61	3.00	105	1.82	3.00	124	2.05	3.00	135	2.20	3.00	160	2.56	3.00	178	2.85	4.00	196	3.15	4.00	213	3.47	4.00	230	3.81	5.50	247	4.18	5.50
	250	76	1.21	3.00	95	1.39	3.00	113	1.58	3.00	131	1.79	3.00	142	1.93	3.00	167	2.26	3.00	184	2.52	3.00	202	2.81	4.00	219	3.11	4.00	236	3.43	4.00	253	3.78	5.50
	200	84	1.01	3.00	103	1.17	3.00	121	1.34	3.00	139	1.53	3.00	150	1.65	3.00	174	1.96	3.00	191	2.20	3.00	208	2.47	3.00	225	2.75	4.00	241	3.05	4.00	258	3.38	4.00
	150	94	0.81	3.00	112	0.95	3.00	129	1.10	3.00	147	1.27	3.00	157	1.38	3.00	181	1.66	3.00	198	1.88	3.00	214	2.13	3.00	231	2.39	3.00	247	2.68	3.00	264	2.98	4.00
	100	104	0.61	3.00	121	0.73	3.00	138	0.86	3.00	155	1.01	3.00	165	1.11	3.00	188	1.36	3.00	204	1.56	3.00	221	1.79	3.00	237	2.03	3.00	253	2.30	3.00	269	2.59	3.00
	50	114	0.41	3.00	130	0.51	3.00	147	0.62	3.00	163	0.75	3.00	173	0.83	3.00	195	1.06	3.00	211	1.24	3.00	227	1.45	3.00	243	1.67	3.00	259	1.92	3.00	275	2.19	3.00
	0	125	0.21	3.00	140	0.29	3.00	156	0.38	3.00	172	0.49	3.00	181	0.56	3.00	203	0.76	3.00	218	0.92	3.00	234	1.11	3.00	250	1.31	3.00	265	1.54	3.00	281	1.79	3.00
SUCTION	50	115	0.45	3.00	131	0.54	3.00	147	0.65	3.00	163	0.76	3.00	172	0.83	3.00	194	1.02	3.00	210	1.17	3.00	226	1.32	3.00	242	1.49	3.00	257	1.66	3.00	273	1.85	3.00
	100	104	0.64	3.00	121	0.76	3.00	137	0.89	3.00	153	1.02	3.00	163	1.11	3.00	186	1.32	3.00	202	1.49	3.00	218	1.66	3.00	234	1.85	3.00	249	2.05	3.00	265	2.26	3.00
	150	92	0.84	3.00	109	0.98	3.00	126	1.12	3.00	143	1.28	3.00	153	1.38	3.00	176	1.62	3.00	193	1.81	3.00	209	2.01	3.00	225	2.21	3.00	241	2.43	3.00	257	2.66	3.00
	200	78	1.03	3.00	96	1.19	3.00	114	1.36	3.00	132	1.54	3.00	142	1.65	3.00	166	1.93	3.00	183	2.13	3.00	199	2.35	3.00	216	2.58	3.00	232	2.82	4.00	249	3.06	4.00
	250	-	-	-	82	1.41	3.00	101	1.60	3.00	120	1.80	3.00	130	1.92	3.00	155	2.23	3.00	172	2.46	3.00	189	2.69	3.00	206	2.94	4.00	223	3.20	4.00	239	3.47	4.00
	300	-	-	-	-	-	-	87	1.84	3.00	106	2.06	3.00	118	2.20	3.00	143	2.53	3.00	161	2.78	4.00	179	3.04	4.00	196	3.31	4.00	213	3.58	4.00	230	3.87	5.50
	350	-	-	-	-	-	-	71	2.08	4.00	92	2.32	3.00	104	2.47	3.00	131	2.83	4.00	149	3.10	4.00	167	3.38	4.00	185	3.67	5.50	203	3.97	5.50	220	4.28	5.50
	400	-	-	-	-	-	-	-	-	-	77	2.58	4.00	89	2.74	3.00	117	3.13	4.00	137	3.42	4.00	155	3.72	5.50	174	4.03	5.50	192	4.35	5.50	209	4.68	5.50
450	-	-	-	-	-	-	-	-	-	-	-	-	74	3.01	4.00	103	3.43	4.00	123	3.75	5.50	143	4.07	5.50	162	4.40	5.50	180	4.74	5.50	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*				
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]					
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	142	5.68	7.50	174	6.51	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-				
	600	-	-	-	-	-	-	-	-	-	-	-	147	5.32	7.50	180	6.11	7.50	203	6.70	7.50	-	-	-	-	-	-	-	-	-	-				
	550	-	-	-	-	-	-	-	-	139	4.66	7.50	153	4.96	5.50	186	5.71	7.50	209	6.28	7.50	-	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	-	-	-	145	4.31	5.50	159	4.60	5.50	192	5.31	7.50	215	5.85	7.50	238	6.43	7.50	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	-	-	-	152	3.96	5.50	166	4.23	5.50	198	4.91	5.50	221	5.43	7.50	244	5.98	7.50	267	6.57	7.50	-	-	-	-	-	-		
	400	-	-	-	112	2.83	5.50	135	3.21	5.50	158	3.62	5.50	172	3.87	5.50	205	4.51	5.50	228	5.00	7.50	250	5.53	7.50	273	6.09	7.50	295	6.69	7.50	-	-	-	-
	350	95	2.21	5.50	119	2.54	5.50	142	2.89	5.50	165	3.27	5.50	179	3.51	4.00	211	4.11	5.50	234	4.58	5.50	257	5.08	7.50	279	5.61	7.50	301	6.19	7.50	323	6.80	7.50	
	300	103	1.95	5.50	126	2.25	5.50	149	2.57	4.00	173	2.92	4.00	186	3.15	4.00	218	3.71	5.50	241	4.15	5.50	263	4.63	5.50	285	5.14	7.50	307	5.69	7.50	329	6.27	7.50	
	250	111	1.68	4.00	134	1.96	4.00	157	2.25	4.00	180	2.58	4.00	194	2.78	4.00	225	3.31	4.00	248	3.73	5.50	270	4.18	5.50	292	4.66	5.50	314	5.19	7.50	335	5.75	7.50	
	200	120	1.42	4.00	143	1.66	4.00	166	1.93	4.00	188	2.23	4.00	202	2.42	4.00	233	2.91	4.00	255	3.30	4.00	277	3.73	5.50	298	4.19	5.50	320	4.68	5.50	341	5.22	7.50	
SUCTION	150	129	1.16	4.00	152	1.37	4.00	174	1.61	4.00	197	1.88	4.00	210	2.06	4.00	240	2.51	4.00	262	2.88	4.00	283	3.27	4.00	305	3.71	5.50	326	4.18	5.50	347	4.69	5.50	
	100	140	0.89	4.00	162	1.08	4.00	184	1.30	4.00	205	1.54	4.00	218	1.70	4.00	248	2.11	4.00	269	2.45	4.00	291	2.82	4.00	312	3.23	4.00	333	3.68	5.50	353	4.17	5.50	
	50	151	0.63	4.00	172	0.79	4.00	193	0.98	4.00	214	1.19	4.00	227	1.33	4.00	256	1.71	4.00	277	2.03	4.00	298	2.37	4.00	318	2.76	4.00	339	3.18	4.00	360	3.64	5.50	
	0	163	0.36	4.00	183	0.50	4.00	203	0.66	4.00	224	0.84	4.00	236	0.97	4.00	264	1.31	4.00	285	1.60	4.00	305	1.92	4.00	325	2.28	4.00	346	2.68	4.00	366	3.11	4.00	
	50	152	0.70	4.00	173	0.85	4.00	193	1.02	4.00	214	1.21	4.00	226	1.33	4.00	255	1.64	4.00	276	1.89	4.00	296	2.15	4.00	317	2.43	4.00	337	2.72	4.00	357	3.04	4.00	
	100	140	0.96	4.00	161	1.14	4.00	183	1.34	4.00	204	1.56	4.00	216	1.70	4.00	245	2.05	4.00	266	2.32	4.00	287	2.60	4.00	307	2.91	4.00	328	3.23	4.00	349	3.58	4.00	
	150	127	1.22	4.00	149	1.43	4.00	171	1.66	4.00	192	1.90	4.00	205	2.06	4.00	235	2.45	4.00	256	2.74	4.00	277	3.06	4.00	298	3.39	4.00	319	3.75	5.50	340	4.12	5.50	
	200	113	1.48	4.00	136	1.72	4.00	159	1.98	4.00	181	2.25	4.00	194	2.42	4.00	224	2.85	4.00	245	3.17	4.00	267	3.52	4.00	288	3.88	5.50	309	4.26	5.50	330	4.65	5.50	
	250	-	-	-	122	2.01	4.00	145	2.29	4.00	168	2.60	4.00	182	2.78	4.00	213	3.25	4.00	234	3.60	4.00	256	3.97	5.50	278	4.36	5.50	299	4.77	5.50	320	5.19	7.50	
	300	-	-	-	-	-	-	131	2.61	4.00	155	2.94	4.00	169	3.15	4.00	201	3.65	5.50	223	4.03	5.50	245	4.43	5.50	267	4.85	5.50	289	5.28	7.50	310	5.73	7.50	
350	-	-	-	-	-	-	117	2.93	5.50	141	3.29	5.50	155	3.51	4.00	188	4.05	5.50	211	4.46	5.50	234	4.89	5.50	256	5.33	7.50	278	5.79	7.50	300	6.27	7.50		
400	-	-	-	-	-	-	-	-	-	126	3.63	5.50	141	3.87	4.00	175	4.46	5.50	199	4.89	5.50	222	5.34	7.50	244	5.81	7.50	267	6.30	7.50	289	6.81	7.50		
450	-	-	-	-	-	-	-	-	-	-	-	-	127	4.23	5.50	162	4.86	5.50	186	5.32	7.50	209	5.80	7.50	233	6.30	7.50	255	6.81	7.50	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	600	-	-	-	-	-	-	-	-	-	-	-	194	6.46	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	183	5.65	7.50	202	6.02	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	-	-	-	192	5.23	7.50	211	5.59	7.50	255	6.47	7.50	-	-	-	-	-	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	169	4.29	7.50	201	4.82	7.50	220	5.16	7.50	263	5.99	7.50	294	6.64	7.50	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	146	3.44	7.50	178	3.90	7.50	210	4.40	5.50	229	4.72	5.50	272	5.52	7.50	302	6.13	7.50	332	6.79	7.50	-	-	-	-	-	-			
	350	124	2.68	7.50	157	3.09	7.50	188	3.52	5.50	220	3.99	5.50	238	4.29	5.50	281	5.04	7.50	311	5.62	7.50	340	6.25	7.50	-	-	-	-	-	-	-		
	300	135	2.37	5.50	167	2.74	5.50	199	3.14	5.50	229	3.58	5.50	248	3.85	5.50	290	4.56	5.50	319	5.11	7.50	349	5.71	7.50	378	6.35	7.50	-	-	-	-		
	250	147	2.05	5.50	178	2.39	5.50	209	2.76	5.50	239	3.16	5.50	257	3.42	5.50	299	4.08	5.50	328	4.60	5.50	357	5.17	7.50	386	5.78	7.50	414	6.45	7.50	-	-	
	200	159	1.73	5.50	190	2.04	5.50	220	2.37	5.50	250	2.75	5.50	267	2.99	5.50	308	3.60	5.50	337	4.10	5.50	365	4.63	5.50	394	5.21	7.50	422	5.85	7.50	450	6.53	7.50
	150	172	1.42	5.50	202	1.69	5.50	231	1.99	5.50	260	2.33	5.50	278	2.55	5.50	318	3.13	5.50	346	3.59	5.50	374	4.09	5.50	402	4.64	5.50	430	5.25	7.50	458	5.90	7.50
	100	185	1.10	5.50	214	1.34	5.50	243	1.61	5.50	271	1.92	5.50	288	2.12	5.50	327	2.65	5.50	355	3.08	5.50	383	3.55	5.50	410	4.07	5.50	438	4.65	5.50	465	5.27	7.50
	50	199	0.78	5.50	227	0.99	5.50	255	1.23	5.50	282	1.50	5.50	299	1.68	5.50	337	2.17	5.50	364	2.57	5.50	391	3.01	5.50	419	3.50	5.50	446	4.04	5.50	473	4.64	5.50
SUCTION	0	214	0.47	5.50	240	0.64	5.50	267	0.84	5.50	294	1.09	5.50	310	1.25	5.50	347	1.69	5.50	374	2.06	5.50	400	2.47	5.50	427	2.93	5.50	454	3.44	5.50	480	4.01	5.50
	50	201	0.87	5.50	228	1.07	5.50	255	1.29	5.50	282	1.53	5.50	298	1.69	5.50	336	2.08	5.50	363	2.39	5.50	390	2.73	5.50	417	3.08	5.50	444	3.46	5.50	471	3.87	5.50
	100	186	1.18	5.50	214	1.42	5.50	242	1.67	5.50	269	1.94	5.50	286	2.12	5.50	324	2.56	5.50	351	2.91	5.50	379	3.27	5.50	406	3.66	5.50	433	4.08	5.50	460	4.51	5.50
	150	169	1.49	5.50	198	1.76	5.50	227	2.05	5.50	255	2.36	5.50	272	2.55	5.50	311	3.04	5.50	339	3.42	5.50	367	3.82	5.50	394	4.24	5.50	422	4.69	5.50	449	5.16	7.50
	200	150	1.80	5.50	181	2.11	5.50	211	2.43	5.50	240	2.77	5.50	257	2.99	5.50	297	3.52	5.50	326	3.93	5.50	354	4.36	5.50	382	4.82	5.50	409	5.30	7.50	437	5.80	7.50
	250	-	-	-	162	2.45	5.50	193	2.81	5.50	223	3.18	5.50	241	3.42	5.50	282	4.00	5.50	311	4.44	5.50	340	4.91	5.50	368	5.40	7.50	397	5.91	7.50	425	6.44	7.50
	300	-	-	-	-	-	-	174	3.19	5.50	205	3.60	5.50	224	3.85	5.50	267	4.48	5.50	296	4.96	5.50	326	5.45	7.50	354	5.98	7.50	383	6.52	7.50	-	-	-
	350	-	-	-	-	-	-	-	-	186	4.01	5.50	250	4.29	5.50	280	4.96	5.50	310	5.47	7.50	340	6.00	7.50	370	6.55	7.50	-	-	-	-	-	-	
	400	-	-	-	-	-	-	-	-	-	-	-	186	4.72	5.50	232	5.44	7.50	263	5.98	7.50	294	6.55	7.50	-	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	233	8.34	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	600	-	-	-	-	-	-	-	-	-	-	-	242	7.81	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	-	228	6.83	9.20	251	7.29	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	200	5.65	9.20	238	6.33	9.20	261	6.77	7.50	315	7.84	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	210	5.19	9.20	249	5.83	7.50	272	6.24	7.50	325	7.26	9.20	363	8.05	9.20	-	-	-	-	-	-	-	-	-	-	-		
	400	-	-	-	183	4.16	9.20	221	4.72	7.50	260	5.33	7.50	283	5.72	7.50	336	6.68	7.50	374	7.43	9.20	411	8.24	9.20	-	-	-	-	-	-	-		
	350	156	3.24	9.20	195	3.73	7.50	233	4.26	7.50	271	4.83	7.50	294	5.20	7.50	347	6.11	7.50	384	6.82	9.20	421	7.59	9.20	-	-	-	-	-	-	-		
	300	169	2.86	7.50	207	3.31	7.50	245	3.80	7.50	283	4.33	7.50	306	4.67	7.50	358	5.53	7.50	395	6.21	7.50	432	6.93	9.20	468	7.72	9.20	-	-	-	-		
	250	182	2.48	7.50	220	2.89	7.50	258	3.34	7.50	296	3.83	7.50	318	4.15	7.50	370	4.95	7.50	406	5.59	7.50	442	6.28	7.50	478	7.03	9.20	514	7.84	9.20	-	-	
	200	196	2.10	7.50	234	2.47	7.50	272	2.88	7.50	309	3.33	7.50	331	3.63	7.50	382	4.38	7.50	418	4.98	7.50	453	5.63	7.50	489	6.34	7.50	524	7.11	9.20	559	7.95	9.20
SUCTION	150	212	1.72	7.50	249	2.05	7.50	286	2.42	7.50	323	2.83	7.50	344	3.10	7.50	394	3.80	7.50	429	4.36	7.50	465	4.98	7.50	500	5.65	7.50	534	6.39	7.50	569	7.19	9.20
	100	229	1.34	7.50	265	1.63	7.50	301	1.96	7.50	337	2.33	7.50	358	2.58	7.50	407	3.22	7.50	441	3.75	7.50	476	4.33	7.50	510	4.97	7.50	545	5.67	7.50	579	6.43	7.50
	50	247	0.95	7.50	282	1.20	7.50	317	1.49	7.50	351	1.83	7.50	372	2.05	7.50	420	2.65	7.50	454	3.13	7.50	488	3.68	7.50	522	4.28	7.50	555	4.94	7.50	589	5.67	7.50
	0	266	0.57	7.50	300	0.78	7.50	333	1.03	7.50	366	1.33	7.50	386	1.53	7.50	433	2.07	7.50	466	2.52	7.50	500	3.03	7.50	533	3.59	7.50	566	4.22	7.50	599	4.91	7.50
	50	250	1.06	7.50	284	1.30	7.50	317	1.57	7.50	351	1.86	7.50	371	2.05	7.50	418	2.53	7.50	451	2.91	7.50	485	3.32	7.50	518	3.75	7.50	552	4.22	7.50	585	4.71	7.50
	100	231	1.44	7.50	266	1.72	7.50	301	2.03	7.50	335	2.36	7.50	356	2.58	7.50	403	3.12	7.50	437	3.53	7.50	471	3.98	7.50	505	4.45	7.50	539	4.96	7.50	572	5.49	7.50
	150	209	1.81	7.50	246	2.14	7.50	282	2.49	7.50	317	2.86	7.50	338	3.10	7.50	387	3.70	7.50	422	4.15	7.50	456	4.64	7.50	490	5.15	7.50	524	5.70	7.50	558	6.27	7.50
	200	185	2.19	7.50	223	2.56	7.50	261	2.95	7.50	298	3.36	7.50	320	3.63	7.50	370	4.28	7.50	405	4.77	7.50	440	5.30	7.50	475	5.85	7.50	509	6.44	7.50	544	7.05	9.20
	250	-	-	-	198	2.97	7.50	238	3.41	7.50	276	3.86	7.50	299	4.15	7.50	351	4.86	7.50	387	5.40	7.50	423	5.96	7.50	458	6.55	7.50	493	7.18	9.20	528	7.83	9.20
	300	-	-	-	-	-	-	212	3.86	7.50	253	4.36	7.50	276	4.68	7.50	330	5.44	7.50	367	6.02	7.50	404	6.62	7.50	440	7.25	9.20	476	7.92	9.20	-	-	-
350	-	-	-	-	-	-	-	-	-	227	4.86	7.50	252	5.20	7.50	308	6.02	7.50	346	6.64	7.50	384	7.28	9.20	421	7.96	9.20	-	-	-	-	-		
400	-	-	-	-	-	-	-	-	-	-	-	-	226	5.72	7.50	284	6.60	7.50	324	7.26	9.20	363	7.94	9.20	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*							
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]								
COMPRESSION	650	-	-	-	-	-	-	-	-	272	9.95	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	600	-	-	-	-	-	-	-	-	282	9.34	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	550	-	-	-	-	-	-	-	-	292	8.73	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	500	-	-	-	-	-	234	6.74	11.00	277	7.58	11.00	303	8.11	9.20	362	9.44	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-							
	450	-	-	-	-	-	245	6.20	9.20	288	7.00	9.20	313	7.50	9.20	373	8.76	11.00	415	9.74	11.00	-	-	-	-	-	-	-	-	-	-							
	400	-	-	-	-	-	214	4.96	9.20	257	5.66	9.20	299	6.41	9.20	325	6.89	9.20	384	8.09	9.20	425	9.02	11.00	-	-	-	-	-	-	-	-						
	350	183	3.87	9.20	226	4.47	9.20	269	5.12	9.20	311	5.83	7.50	337	6.28	7.50	395	7.41	9.20	436	8.30	9.20	477	9.27	11.00	-	-	-	-	-	-	-						
	300	196	3.42	9.20	239	3.98	7.50	282	4.58	7.50	324	5.24	7.50	349	5.66	7.50	407	6.74	7.50	447	7.59	9.20	488	8.50	11.00	528	9.49	11.00	-	-	-	-						
	250	210	2.98	7.50	253	3.48	7.50	295	4.04	7.50	337	4.66	7.50	361	5.05	7.50	418	6.06	7.50	459	6.87	9.20	499	7.74	9.20	539	8.69	11.00	578	9.71	11.00	-	-	-	-			
	200	226	2.53	7.50	268	2.99	7.50	309	3.50	7.50	350	4.07	7.50	374	4.44	7.50	431	5.39	7.50	470	6.15	7.50	510	6.98	9.20	549	7.88	9.20	588	8.87	11.00	627	9.93	11.00	-	-	-	-
SUCTION	150	242	2.08	7.50	283	2.50	7.50	324	2.96	7.50	364	3.48	7.50	388	3.83	7.50	443	4.71	7.50	482	5.43	7.50	521	6.22	7.50	560	7.08	9.20	599	8.02	9.20	637	9.04	11.00	-	-	-	-
	100	259	1.64	7.50	299	2.00	7.50	339	2.42	7.50	378	2.90	7.50	402	3.21	7.50	456	4.04	7.50	494	4.71	7.50	533	5.45	7.50	571	6.27	7.50	609	7.17	9.20	647	8.15	9.20	-	-	-	-
	50	277	1.19	7.50	316	1.51	7.50	355	1.88	7.50	393	2.31	7.50	416	2.60	7.50	469	3.36	7.50	507	3.99	7.50	545	4.69	7.50	582	5.47	7.50	620	6.32	7.50	657	7.26	9.20	-	-	-	-
	0	297	0.74	7.50	334	1.02	7.50	371	1.34	7.50	408	1.73	7.50	430	1.99	7.50	482	2.69	7.50	519	3.27	7.50	557	3.93	7.50	594	4.66	7.50	631	5.48	7.50	668	6.37	7.50	-	-	-	-
	50	280	1.33	7.50	318	1.64	7.50	355	1.98	7.50	393	2.36	7.50	415	2.60	7.50	467	3.22	7.50	504	3.70	7.50	542	4.23	7.50	579	4.79	7.50	616	5.39	7.50	653	6.02	7.50	-	-	-	-
	100	261	1.77	7.50	300	2.13	7.50	339	2.52	7.50	377	2.94	7.50	400	3.21	7.50	453	3.90	7.50	490	4.43	7.50	528	5.00	7.50	566	5.61	7.50	603	6.25	7.50	641	6.93	9.20	-	-	-	-
	150	239	2.21	7.50	280	2.62	7.50	320	3.05	7.50	359	3.53	7.50	382	3.83	7.50	437	4.58	7.50	475	5.16	7.50	513	5.77	7.50	551	6.43	7.50	589	7.12	9.20	627	7.84	9.20	-	-	-	-
	200	213	2.65	7.50	256	3.10	7.50	298	3.59	7.50	339	4.11	7.50	363	4.44	7.50	419	5.26	7.50	458	5.88	7.50	497	6.54	7.50	535	7.24	9.20	574	7.98	9.20	612	8.75	11.00	-	-	-	-
	250	-	-	-	229	3.59	7.50	274	4.13	7.50	316	4.69	7.50	341	5.05	7.50	399	5.93	7.50	439	6.61	7.50	479	7.32	9.20	518	8.06	9.20	558	8.84	11.00	597	9.66	11.00	-	-	-	-
	300	-	-	-	-	-	-	247	4.66	7.50	292	5.28	7.50	318	5.66	7.50	377	6.61	7.50	419	7.33	9.20	460	8.09	9.20	500	8.88	11.00	540	9.71	11.00	-	-	-	-	-	-	-
350	-	-	-	-	-	-	-	-	-	265	5.86	7.50	292	6.28	7.50	354	7.29	9.20	397	8.06	9.20	439	8.86	11.00	481	9.70	11.00	-	-	-	-	-	-	-	-	-	-	
400	-	-	-	-	-	-	-	-	-	-	-	-	264	6.89	7.50	329	7.97	9.20	374	8.79	11.00	417	9.63	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	650	-	-	-	-	-	-	-	-	-	-	-	304	12.95	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	600	-	-	-	-	-	-	-	-	-	-	-	316	12.21	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	550	-	-	-	-	-	-	-	298	10.67	15.00	328	11.47	15.00	397	13.47	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	500	-	-	-	-	-	261	8.77	15.00	311	9.96	15.00	341	10.73	15.00	408	12.65	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	275	8.12	15.00	324	9.26	15.00	354	9.99	11.00	420	11.83	15.00	467	13.28	15.00	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	239	6.47	15.00	289	7.46	15.00	338	8.55	11.00	366	9.24	11.00	432	11.02	15.00	478	12.41	15.00	-	-	-	-	-	-	-	-	-			
	350	204	5.02	15.00	254	5.87	11.00	303	6.81	11.00	351	7.84	11.00	379	8.50	11.00	444	10.20	15.00	489	11.54	15.00	534	13.01	15.00	-	-	-	-	-	-			
	300	220	4.48	11.00	270	5.28	11.00	318	6.16	11.00	364	7.13	11.00	392	7.76	11.00	456	9.38	11.00	500	10.68	15.00	545	12.09	15.00	589	13.62	15.00	-	-	-			
	250	237	3.94	11.00	285	4.68	11.00	332	5.50	11.00	378	6.42	11.00	405	7.02	11.00	468	8.57	11.00	512	9.81	11.00	556	11.16	15.00	599	12.65	15.00	-	-	-			
	200	254	3.40	11.00	301	4.08	11.00	347	4.85	11.00	392	5.71	11.00	418	6.28	11.00	480	7.75	11.00	523	8.94	11.00	566	10.24	15.00	609	11.67	15.00	652	13.23	15.00	-	-	
SUCTION	150	272	2.86	11.00	317	3.48	11.00	362	4.20	11.00	405	5.01	11.00	432	5.54	11.00	492	6.93	11.00	535	8.07	11.00	577	9.32	11.00	620	10.70	15.00	662	12.21	15.00	-	-	
	100	289	2.32	11.00	333	2.89	11.00	376	3.54	11.00	419	4.30	11.00	445	4.80	11.00	504	6.12	11.00	546	7.20	11.00	588	8.40	11.00	630	9.72	11.00	672	11.18	15.00	713	12.78	15.00
	50	307	1.78	11.00	350	2.29	11.00	392	2.89	11.00	433	3.59	11.00	458	4.06	11.00	517	5.30	11.00	558	6.33	11.00	599	7.48	11.00	640	8.75	11.00	682	10.16	15.00	723	11.70	15.00
	0	325	1.24	11.00	366	1.69	11.00	407	2.24	11.00	448	2.88	11.00	472	3.32	11.00	529	4.49	11.00	570	5.46	11.00	610	6.55	11.00	651	7.78	11.00	692	9.13	11.00	732	10.63	15.00
	50	310	2.02	11.00	351	2.51	11.00	392	3.06	11.00	433	3.66	11.00	458	4.05	11.00	516	5.05	11.00	557	5.84	11.00	598	6.69	11.00	638	7.60	11.00	679	8.58	11.00	720	9.62	11.00
	100	291	2.55	11.00	333	3.10	11.00	376	3.71	11.00	417	4.37	11.00	443	4.80	11.00	501	5.88	11.00	542	6.72	11.00	584	7.63	11.00	625	8.60	11.00	666	9.63	11.00	707	10.72	15.00
	150	268	3.08	11.00	313	3.69	11.00	356	4.36	11.00	399	5.08	11.00	425	5.54	11.00	484	6.70	11.00	526	7.60	11.00	568	8.56	11.00	610	9.59	11.00	652	10.68	15.00	693	11.83	15.00
	200	242	3.62	11.00	289	4.28	11.00	334	5.01	11.00	379	5.79	11.00	405	6.28	11.00	466	7.52	11.00	509	8.48	11.00	552	9.50	11.00	594	10.58	15.00	637	11.72	15.00	679	12.93	15.00
	250	-	-	-	262	4.87	11.00	310	5.66	11.00	356	6.49	11.00	384	7.03	11.00	446	8.35	11.00	490	9.36	11.00	534	10.44	15.00	577	11.57	15.00	620	12.77	15.00	-	-	-
	300	-	-	-	-	-	-	283	6.31	11.00	332	7.20	11.00	360	7.77	11.00	425	9.17	11.00	470	10.24	15.00	515	11.37	15.00	559	12.56	15.00	-	-	-	-	-	
350	-	-	-	-	-	-	-	-	-	305	7.91	11.00	334	8.51	11.00	401	9.99	11.00	448	11.12	15.00	494	12.31	15.00	539	13.56	15.00	-	-	-	-	-		
400	-	-	-	-	-	-	-	-	-	-	-	-	307	9.25	11.00	376	10.82	15.00	425	12.00	15.00	472	13.24	15.00	-	-	-	-	-	-	-			

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*				
	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n					
COMPRESSION															Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n	Q	P	P _n
400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
225	-	-	-	8	0.43	1.10	15	0.50	0.75	22	0.58	0.75	26	0.63	0.75	36	0.77	1.10	42	0.88	1.10	48	1.00	1.10	-	-	-	-	-	-	-	-	-		
200	-	-	-	12	0.40	0.75	19	0.47	0.75	25	0.54	0.75	29	0.60	0.75	39	0.73	1.10	45	0.83	1.10	51	0.95	1.10	-	-	-	-	-	-	-	-	-		
175	8	0.31	0.75	15	0.37	0.75	22	0.43	0.75	29	0.51	0.75	33	0.56	0.75	42	0.68	1.10	48	0.79	1.10	54	0.90	1.10	-	-	-	-	-	-	-	-	-		
150	12	0.28	0.75	19	0.33	0.75	26	0.40	0.75	32	0.47	0.75	36	0.52	0.75	45	0.64	0.75	51	0.74	1.10	57	0.85	1.10	63	0.97	1.10	-	-	-	-	-	-		
125	16	0.25	0.75	23	0.30	0.75	30	0.36	0.75	36	0.43	0.75	40	0.48	0.75	48	0.60	0.75	54	0.69	1.10	60	0.80	1.10	66	0.92	1.10	-	-	-	-	-	-		
100	21	0.22	0.75	27	0.27	0.75	34	0.33	0.75	40	0.39	0.75	43	0.44	0.75	52	0.55	0.75	58	0.65	0.75	63	0.75	1.10	69	0.87	1.10	75	0.99	1.10	-	-	-		
75	25	0.19	0.75	32	0.24	0.75	38	0.29	0.75	44	0.36	0.75	47	0.40	0.75	55	0.51	0.75	61	0.60	0.75	66	0.70	1.10	72	0.81	1.10	77	0.94	1.10	-	-	-		
50	30	0.16	0.75	36	0.21	0.75	42	0.26	0.75	48	0.32	0.75	51	0.36	0.75	59	0.47	0.75	64	0.55	0.75	70	0.65	0.75	75	0.76	1.10	80	0.88	1.10	-	-	-		
25	35	0.13	0.75	41	0.18	0.75	46	0.22	0.75	52	0.28	0.75	55	0.32	0.75	62	0.42	0.75	68	0.51	0.75	73	0.60	0.75	78	0.71	1.10	83	0.83	1.10	-	-	-		
0	41	0.10	0.75	46	0.14	0.75	51	0.19	0.75	56	0.24	0.75	59	0.28	0.75	66	0.38	0.75	71	0.46	0.75	76	0.55	0.75	81	0.66	0.75	86	0.77	1.10	-	-	-		
25	36	0.16	0.75	41	0.20	0.75	47	0.25	0.75	52	0.30	0.75	55	0.33	0.75	62	0.42	0.75	68	0.48	0.75	73	0.56	0.75	78	0.63	0.75	83	0.72	1.10	-	-	-		
50	31	0.18	0.75	36	0.23	0.75	42	0.28	0.75	47	0.33	0.75	50	0.37	0.75	58	0.46	0.75	63	0.53	0.75	68	0.60	0.75	74	0.68	1.10	79	0.77	1.10	-	-	-		
75	26	0.21	0.75	32	0.26	0.75	37	0.31	0.75	43	0.37	0.75	46	0.40	0.75	53	0.50	0.75	59	0.57	0.75	64	0.65	0.75	69	0.73	1.10	75	0.82	1.10	-	-	-		
100	21	0.24	0.75	27	0.28	0.75	33	0.34	0.75	38	0.40	0.75	41	0.44	0.75	49	0.53	0.75	54	0.61	0.75	60	0.69	1.10	65	0.78	1.10	71	0.87	1.10	-	-	-		
125	17	0.26	0.75	22	0.31	0.75	28	0.37	0.75	34	0.43	0.75	37	0.47	0.75	45	0.57	0.75	50	0.65	0.75	56	0.74	1.10	61	0.83	1.10	66	0.92	1.10	-	-	-		
150	12	0.29	0.75	18	0.34	0.75	24	0.40	0.75	29	0.47	0.75	33	0.51	0.75	40	0.61	0.75	46	0.70	1.10	51	0.78	1.10	57	0.88	1.10	62	0.97	1.10	-	-	-		
175	-	-	-	14	0.37	0.75	19	0.43	0.75	25	0.50	0.75	28	0.55	0.75	36	0.65	0.75	42	0.74	1.10	47	0.83	1.10	53	0.92	1.10	-	-	-	-	-	-		
200	-	-	-	9	0.40	0.75	15	0.47	0.75	21	0.54	0.75	24	0.58	0.75	32	0.69	1.10	38	0.78	1.10	43	0.87	1.10	49	0.97	1.10	-	-	-	-	-	-		
225	-	-	-	-	-	-	11	0.50	0.75	17	0.57	0.75	20	0.62	0.75	28	0.73	1.10	34	0.82	1.10	39	0.92	1.10	-	-	-	-	-	-	-	-	-		
250	-	-	-	-	-	-	-	-	-	13	0.61	0.75	16	0.65	0.75	24	0.77	1.10	30	0.87	1.10	35	0.96	1.10	-	-	-	-	-	-	-	-	-		
275	-	-	-	-	-	-	-	-	-	9	0.64	1.10	12	0.69	0.75	20	0.81	1.10	26	0.91	1.10	-	-	-	-	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	-	-	-	8	0.73	0.75	16	0.85	1.10	22	0.95	1.10	-	-	-	-	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
*Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	23	1.29	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	400	-	-	-	-	-	-	-	-	-	-	-	26	1.23	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	375	-	-	-	-	-	-	-	-	23	1.10	1.50	29	1.17	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	350	-	-	-	-	-	-	-	-	26	1.04	1.50	32	1.12	1.50	46	1.30	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	325	-	-	-	-	-	-	-	-	30	0.98	1.50	35	1.06	1.10	49	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	300	-	-	-	-	-	-	23	0.82	1.50	33	0.93	1.50	39	1.00	1.10	53	1.18	1.50	62	1.31	1.50	-	-	-	-	-	-	-	-	-	-	-	
	275	-	-	-	-	-	-	27	0.77	1.50	37	0.87	1.10	42	0.94	1.10	56	1.11	1.50	66	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-	
	250	-	-	-	-	-	-	30	0.72	1.10	40	0.82	1.10	46	0.88	1.10	60	1.05	1.50	70	1.18	1.50	79	1.32	1.50	-	-	-	-	-	-	-	-	
	225	-	-	-	24	0.58	1.10	34	0.66	1.10	44	0.76	1.10	50	0.82	1.10	64	0.98	1.10	73	1.11	1.50	83	1.24	1.50	-	-	-	-	-	-	-	-	
	200	-	-	-	28	0.53	1.10	38	0.61	1.10	48	0.71	1.10	54	0.77	1.10	67	0.92	1.10	77	1.04	1.50	86	1.17	1.50	95	1.31	1.50	-	-	-	-	-	
	175	-	-	-	33	0.48	1.10	43	0.56	1.10	52	0.65	1.10	58	0.71	1.10	71	0.85	1.10	81	0.97	1.10	90	1.10	1.50	99	1.24	1.50	-	-	-	-	-	
	150	28	0.37	1.10	37	0.43	1.10	47	0.51	1.10	57	0.59	1.10	62	0.65	1.10	75	0.79	1.10	85	0.90	1.10	94	1.03	1.50	103	1.16	1.50	111	1.31	1.50	-	-	
	125	32	0.32	1.10	42	0.39	1.10	52	0.46	1.10	61	0.54	1.10	67	0.59	1.10	80	0.73	1.10	89	0.83	1.10	97	0.95	1.10	106	1.08	1.50	115	1.23	1.50	-	-	
	100	38	0.28	1.10	47	0.34	1.10	57	0.41	1.10	66	0.48	1.10	71	0.53	1.10	84	0.66	1.10	93	0.77	1.10	101	0.88	1.10	110	1.01	1.50	118	1.15	1.50	127	1.30	1.50
SUCTION	75	43	0.24	1.10	53	0.29	1.10	62	0.36	1.10	71	0.43	1.10	76	0.47	1.10	88	0.60	1.10	97	0.70	1.10	105	0.81	1.10	114	0.93	1.10	122	1.07	1.50	130	1.21	1.50
	50	50	0.20	1.10	58	0.25	1.10	67	0.30	1.10	76	0.37	1.10	81	0.42	1.10	93	0.53	1.10	101	0.63	1.10	109	0.74	1.10	118	0.85	1.10	126	0.98	1.10	134	1.13	1.50
	25	56	0.15	1.10	64	0.20	1.10	73	0.25	1.10	81	0.32	1.10	86	0.36	1.10	97	0.47	1.10	105	0.56	1.10	113	0.66	1.10	121	0.78	1.10	129	0.90	1.10	137	1.04	1.50
	0	63	0.11	1.10	71	0.15	1.10	78	0.20	1.10	86	0.26	1.10	91	0.30	1.10	102	0.40	1.10	110	0.49	1.10	118	0.59	1.10	125	0.70	1.10	133	0.82	1.10	141	0.96	1.10
	25	57	0.19	1.10	65	0.24	1.10	73	0.29	1.10	81	0.35	1.10	86	0.39	1.10	97	0.49	1.10	105	0.56	1.10	113	0.65	1.10	121	0.74	1.10	129	0.83	1.10	137	0.94	1.10
	50	51	0.23	1.10	59	0.28	1.10	67	0.33	1.10	76	0.40	1.10	80	0.44	1.10	92	0.54	1.10	100	0.62	1.10	108	0.71	1.10	116	0.81	1.10	124	0.91	1.10	132	1.02	1.50
	75	45	0.26	1.10	53	0.32	1.10	62	0.38	1.10	70	0.45	1.10	75	0.49	1.10	86	0.60	1.10	95	0.69	1.10	103	0.78	1.10	111	0.88	1.10	119	0.98	1.10	127	1.09	1.50
	100	39	0.30	1.10	48	0.36	1.10	56	0.43	1.10	65	0.50	1.10	70	0.54	1.10	81	0.66	1.10	89	0.75	1.10	98	0.84	1.10	106	0.95	1.10	114	1.06	1.50	122	1.17	1.50
	125	34	0.34	1.10	42	0.40	1.10	51	0.47	1.10	59	0.55	1.10	64	0.60	1.10	76	0.72	1.10	84	0.81	1.10	93	0.91	1.10	101	1.02	1.50	109	1.13	1.50	117	1.25	1.50
	150	28	0.37	1.10	37	0.44	1.10	45	0.52	1.10	54	0.60	1.10	59	0.65	1.10	71	0.77	1.10	79	0.87	1.10	88	0.98	1.10	96	1.09	1.50	104	1.20	1.50	112	1.33	1.50
	175	22	0.41	1.10	31	0.48	1.10	40	0.56	1.10	49	0.65	1.10	54	0.70	1.10	66	0.83	1.10	74	0.93	1.10	83	1.04	1.50	91	1.16	1.50	99	1.28	1.50	-	-	
	200	-	-	-	26	0.53	1.10	35	0.61	1.10	43	0.70	1.10	49	0.75	1.10	61	0.89	1.10	69	1.00	1.10	78	1.11	1.50	86	1.23	1.50	94	1.35	1.50	-	-	
	225	-	-	-	20	0.57	1.10	29	0.65	1.10	38	0.75	1.10	43	0.80	1.10	56	0.95	1.10	64	1.06	1.50	73	1.17	1.50	81	1.30	1.50	-	-	-	-	-	
	250	-	-	-	-	-	-	24	0.70	1.10	33	0.80	1.10	38	0.86	1.10	51	1.01	1.50	59	1.12	1.50	68	1.24	1.50	-	-	-	-	-	-	-	-	
275	-	-	-	-	-	-	19	0.75	1.50	28	0.85	1.10	33	0.91	1.10	46	1.06	1.50	54	1.18	1.50	63	1.30	1.50	-	-	-	-	-	-	-	-		
300	-	-	-	-	-	-	-	-	-	23	0.90	1.10	28	0.96	1.10	41	1.12	1.50	49	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-		
325	-	-	-	-	-	-	-	-	-	-	-	-	23	1.01	1.50	36	1.18	1.50	44	1.30	1.50	-	-	-	-	-	-	-	-	-	-	-		
350	-	-	-	-	-	-	-	-	-	-	-	-	18	1.06	1.50	31	1.24	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
*Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm*			4500 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	500	-	-	-	-	-	-	-	-	-	-	-	34	2.04	3.00	52	2.38	3.00	66	2.65	3.00	-	-	-	-	-	-	-	-	-	-			
	450	-	-	-	-	-	-	-	-	-	-	-	41	1.89	3.00	59	2.22	3.00	72	2.47	3.00	-	-	-	-	-	-	-	-	-	-			
	400	-	-	-	-	-	-	-	-	40	1.62	2.20	48	1.74	2.20	66	2.05	3.00	79	2.30	3.00	91	2.56	3.00	-	-	-	-	-	-	-			
	350	-	-	-	-	-	34	1.29	2.20	47	1.47	2.20	55	1.59	2.20	73	1.89	2.20	86	2.12	3.00	98	2.38	3.00	110	2.65	3.00	-	-	-	-			
	300	-	-	-	-	-	42	1.16	2.20	55	1.33	2.20	63	1.44	2.20	81	1.72	2.20	93	1.95	2.20	105	2.19	3.00	117	2.45	3.00	-	-	-	-			
	250	-	-	-	38	0.88	2.20	51	1.03	2.20	64	1.19	2.20	71	1.29	2.20	88	1.56	2.20	100	1.77	2.20	112	2.00	3.00	124	2.26	3.00	135	2.53	3.00	-	-	
	200	34	0.64	2.20	47	0.76	2.20	60	0.89	2.20	72	1.04	2.20	79	1.14	2.20	96	1.39	2.20	108	1.60	2.20	119	1.82	2.20	130	2.06	3.00	142	2.32	3.00	153	2.61	3.00
	150	44	0.53	2.20	57	0.64	2.20	69	0.76	2.20	81	0.90	2.20	88	0.99	2.20	104	1.23	2.20	115	1.42	2.20	126	1.63	2.20	137	1.86	2.20	148	2.12	3.00	159	2.39	3.00
	100	55	0.42	2.20	67	0.52	2.20	79	0.63	2.20	90	0.76	2.20	97	0.84	2.20	112	1.06	2.20	123	1.24	2.20	134	1.44	2.20	144	1.67	2.20	155	1.91	2.20	165	2.17	3.00
	50	67	0.31	2.20	78	0.40	2.20	89	0.50	2.20	99	0.61	2.20	106	0.69	2.20	120	0.90	2.20	131	1.07	2.20	141	1.26	2.20	152	1.47	2.20	162	1.70	2.20	172	1.96	2.20
0	79	0.20	2.20	89	0.28	2.20	99	0.37	2.20	109	0.47	2.20	115	0.54	2.20	129	0.73	2.20	139	0.89	2.20	149	1.07	2.20	159	1.27	2.20	169	1.49	2.20	179	1.74	2.20	
SUCTION	50	69	0.35	2.20	80	0.43	2.20	90	0.52	2.20	100	0.62	2.20	107	0.69	2.20	121	0.86	2.20	131	1.00	2.20	141	1.14	2.20	152	1.30	2.20	162	1.46	2.20	172	1.64	2.20
	100	57	0.44	2.20	68	0.53	2.20	79	0.63	2.20	90	0.75	2.20	96	0.82	2.20	111	1.00	2.20	121	1.15	2.20	132	1.30	2.20	142	1.47	2.20	153	1.64	2.20	163	1.83	2.20
	150	45	0.53	2.20	56	0.63	2.20	68	0.75	2.20	79	0.87	2.20	85	0.95	2.20	100	1.15	2.20	111	1.30	2.20	122	1.47	2.20	132	1.64	2.20	143	1.83	2.20	154	2.02	3.00
	200	-	-	-	44	0.74	2.20	56	0.86	2.20	67	0.99	2.20	74	1.08	2.20	90	1.29	2.20	101	1.46	2.20	112	1.63	2.20	123	1.81	2.20	133	2.01	3.00	144	2.21	3.00
	250	-	-	-	-	-	-	43	0.97	2.20	55	1.12	2.20	62	1.21	2.20	79	1.43	2.20	90	1.61	2.20	101	1.79	2.20	112	1.99	2.20	123	2.19	3.00	134	2.41	3.00
	300	-	-	-	-	-	-	-	-	-	43	1.24	2.20	50	1.34	2.20	67	1.58	2.20	79	1.76	2.20	91	1.95	2.20	102	2.16	3.00	113	2.37	3.00	124	2.60	3.00
	350	-	-	-	-	-	-	-	-	-	-	-	-	38	1.47	2.20	56	1.72	2.20	68	1.91	2.20	80	2.12	3.00	91	2.33	3.00	103	2.56	3.00	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
*Only for GOR / GVR execution

Δp [mbar]	2000 rpm		2250 rpm		2500 rpm		2750 rpm		2900 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm		4250 rpm		4500 rpm	
	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]
COMPRESSION	200	-	-	-	-	-	-	-	29	0.36	39	0.41	45	0.45	51	0.49	57	0.53	64	0.57	69	0.62
	175	-	-	-	-	-	29	0.30	33	0.32	42	0.37	48	0.40	54	0.44	60	0.48	66	0.52	72	0.57
	150	-	-	-	-	-	36	0.24	36	0.28	45	0.33	51	0.36	57	0.39	63	0.43	69	0.47	75	0.51
	125	-	-	-	23	0.18	30	0.20	40	0.25	48	0.28	54	0.31	60	0.35	66	0.38	72	0.42	77	0.46
	100	21	0.13	0.37	27	0.15	34	0.17	43	0.21	52	0.24	58	0.27	63	0.30	69	0.33	75	0.36	80	0.40
	75	25	0.10	0.37	32	0.12	38	0.14	47	0.17	55	0.20	61	0.23	66	0.25	72	0.28	77	0.31	83	0.34
	50	30	0.08	0.37	36	0.09	42	0.10	51	0.13	59	0.16	64	0.18	70	0.21	75	0.23	80	0.26	86	0.29
	25	35	0.05	0.37	41	0.06	46	0.07	55	0.09	62	0.12	68	0.14	73	0.16	78	0.18	83	0.21	89	0.23
	0	41	0.02	0.37	46	0.03	51	0.04	59	0.06	66	0.08	71	0.09	76	0.11	81	0.13	86	0.15	91	0.18
	25	59	0.05	0.37	68	0.06	76	0.07	89	0.08	100	0.10	108	0.11	116	0.13	124	0.14	132	0.16	140	0.17
SUCTION	50	55	0.08	0.37	63	0.09	71	0.10	85	0.12	96	0.14	104	0.16	112	0.18	120	0.19	128	0.21	137	0.23
	75	50	0.10	0.37	58	0.12	67	0.13	80	0.16	92	0.18	100	0.20	108	0.22	117	0.24	125	0.26	133	0.29
	100	-	-	-	-	-	62	0.17	76	0.20	88	0.23	96	0.25	104	0.27	113	0.29	121	0.32	129	0.34
	125	-	-	-	-	-	-	-	71	0.24	83	0.27	92	0.29	100	0.32	109	0.35	117	0.37	125	0.40
	150	-	-	-	-	-	-	-	66	0.27	79	0.31	87	0.34	96	0.37	105	0.40	113	0.43	121	0.46

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			4250 rpm			4500 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]				
COMPRESSION	300	-	-	-	-	-	-	-	-	-	-	-	14	0.54	0.55	23	0.61	0.75	28	0.66	0.75	34	0.72	1.10	40	0.77	1.10	45	0.83	1.10	51	0.89	1.10	
	275	-	-	-	-	-	-	-	-	13	0.47	0.75	17	0.50	0.55	25	0.57	0.75	31	0.62	0.75	37	0.67	0.75	42	0.72	1.10	48	0.78	1.10	53	0.84	1.10	
	250	-	-	-	-	-	-	-	-	16	0.44	0.55	19	0.46	0.55	28	0.52	0.75	33	0.57	0.75	39	0.62	0.75	45	0.67	0.75	50	0.72	1.10	55	0.78	1.10	
	225	-	-	-	-	-	-	-	-	19	0.40	0.55	22	0.42	0.55	30	0.48	0.55	36	0.52	0.55	42	0.57	0.75	47	0.62	0.75	52	0.67	0.75	57	0.72	1.10	
	200	-	-	-	10	0.29	0.55	16	0.32	0.55	22	0.36	0.55	25	0.38	0.55	33	0.44	0.55	39	0.48	0.55	44	0.52	0.55	49	0.56	0.75	55	0.61	0.75	60	0.66	0.75
	175	-	-	-	13	0.26	0.55	19	0.29	0.55	25	0.32	0.55	28	0.34	0.55	36	0.39	0.55	41	0.43	0.55	47	0.47	0.55	52	0.51	0.55	57	0.56	0.75	62	0.60	0.75
	150	10	0.20	0.55	16	0.22	0.55	22	0.25	0.55	28	0.28	0.55	31	0.30	0.55	39	0.35	0.55	44	0.38	0.55	49	0.42	0.55	54	0.46	0.55	59	0.50	0.55	64	0.54	0.75
	125	14	0.17	0.55	20	0.19	0.55	25	0.22	0.55	31	0.24	0.55	34	0.26	0.55	42	0.30	0.55	47	0.34	0.55	52	0.37	0.55	57	0.41	0.55	62	0.44	0.55	67	0.49	0.55
	100	18	0.14	0.55	23	0.16	0.55	29	0.18	0.55	34	0.21	0.55	37	0.22	0.55	44	0.26	0.55	49	0.29	0.55	54	0.32	0.55	59	0.35	0.55	64	0.39	0.55	69	0.43	0.55
	75	22	0.11	0.55	27	0.13	0.55	32	0.15	0.55	37	0.17	0.55	40	0.18	0.55	47	0.21	0.55	52	0.24	0.55	57	0.27	0.55	62	0.30	0.55	66	0.33	0.55	71	0.37	0.55
	50	26	0.08	0.55	31	0.10	0.55	36	0.11	0.55	41	0.13	0.55	44	0.14	0.55	50	0.17	0.55	55	0.19	0.55	60	0.22	0.55	64	0.25	0.55	69	0.28	0.55	73	0.31	0.55
	25	30	0.05	0.55	35	0.06	0.55	40	0.08	0.55	44	0.09	0.55	47	0.10	0.55	53	0.13	0.55	58	0.15	0.55	62	0.17	0.55	67	0.19	0.55	71	0.22	0.55	76	0.25	0.55
SUCTION	0	35	0.02	0.55	39	0.03	0.55	43	0.04	0.55	48	0.05	0.55	50	0.06	0.55	57	0.08	0.55	61	0.10	0.55	65	0.12	0.55	70	0.14	0.55	74	0.17	0.55	78	0.19	0.55
	25	31	0.06	0.55	35	0.07	0.55	40	0.08	0.55	44	0.09	0.55	47	0.10	0.55	53	0.12	0.55	57	0.14	0.55	61	0.16	0.55	66	0.18	0.55	70	0.20	0.55	74	0.22	0.55
	50	27	0.08	0.55	31	0.10	0.55	36	0.11	0.55	40	0.13	0.55	43	0.14	0.55	49	0.17	0.55	54	0.19	0.55	58	0.21	0.55	63	0.23	0.55	67	0.25	0.55	71	0.28	0.55
	75	23	0.11	0.55	27	0.13	0.55	32	0.15	0.55	37	0.17	0.55	40	0.18	0.55	46	0.21	0.55	51	0.23	0.55	55	0.26	0.55	60	0.28	0.55	64	0.31	0.55	68	0.34	0.55
	100	18	0.14	0.55	23	0.16	0.55	28	0.18	0.55	33	0.21	0.55	36	0.22	0.55	42	0.26	0.55	47	0.28	0.55	52	0.31	0.55	56	0.34	0.55	61	0.36	0.55	65	0.39	0.55
	125	13	0.17	0.55	19	0.19	0.55	24	0.22	0.55	29	0.25	0.55	32	0.26	0.55	39	0.30	0.55	44	0.33	0.55	48	0.36	0.55	53	0.39	0.55	58	0.42	0.55	62	0.45	0.55
	150	8	0.20	0.55	14	0.23	0.55	20	0.25	0.55	25	0.28	0.55	28	0.30	0.55	35	0.34	0.55	40	0.38	0.55	45	0.41	0.55	49	0.44	0.55	54	0.48	0.55	59	0.51	0.55
	175	-	-	-	9	0.26	0.55	15	0.29	0.55	20	0.32	0.55	24	0.34	0.55	31	0.39	0.55	36	0.42	0.55	41	0.46	0.55	46	0.50	0.55	51	0.53	0.75	55	0.57	0.75
	200	-	-	-	-	-	-	10	0.32	0.55	16	0.36	0.55	19	0.38	0.55	27	0.43	0.55	32	0.47	0.55	37	0.51	0.55	42	0.55	0.75	47	0.59	0.75	52	0.63	0.75
	225	-	-	-	-	-	-	-	-	-	11	0.40	0.55	15	0.42	0.55	22	0.48	0.55	28	0.52	0.55	33	0.56	0.75	38	0.60	0.75	43	0.65	0.75	48	0.69	0.75
	250	-	-	-	-	-	-	-	-	-	6	0.44	0.55	10	0.46	0.55	18	0.52	0.55	24	0.57	0.75	29	0.61	0.75	34	0.66	0.75	40	0.70	0.75	45	0.75	1.10
	275	-	-	-	-	-	-	-	-	-	-	-	-	5	0.50	0.55	13	0.57	0.75	19	0.61	0.75	25	0.66	0.75	30	0.71	0.75	36	0.76	1.10	41	0.81	1.10

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	250	-	-	-	-	-	-	-	-	-	-	-	160	3.80	4.00	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	-	-	-	185	3.48	4.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	180	2.97	4.00	210	3.16	4.00	277	3.63	4.00	-	-	-
	175	-	-	-	-	-	156	2.38	4.00	206	2.66	4.00	235	2.84	3.00	299	3.27	4.00	344	3.61	4.00
	150	-	-	-	134	1.85	184	2.09	4.00	232	2.35	3.00	260	2.51	3.00	322	2.92	4.00	365	3.23	4.00
	125	115	1.39	165	1.59	3.00	213	1.81	3.00	258	2.05	3.00	285	2.19	3.00	345	2.57	3.00	386	2.85	4.00
	100	148	1.16	195	1.34	3.00	241	1.53	3.00	284	1.74	3.00	309	1.87	3.00	367	2.21	3.00	408	2.48	3.00
	75	182	0.92	226	1.08	3.00	268	1.25	3.00	310	1.43	3.00	334	1.55	3.00	390	1.86	3.00	429	2.10	3.00
	50	215	0.69	256	0.82	3.00	296	0.96	3.00	336	1.13	3.00	359	1.23	3.00	412	1.51	3.00	450	1.72	3.00
	25	248	0.45	287	0.56	3.00	324	0.68	3.00	361	0.82	3.00	384	0.91	3.00	435	1.15	3.00	471	1.35	3.00
SUCTION	0	282	0.22	300	0.30	3.00	352	0.40	3.00	387	0.51	3.00	408	0.59	3.00	458	0.80	3.00	493	0.97	3.00
	25	254	0.50	290	0.60	3.00	326	0.71	3.00	361	0.83	3.00	383	0.91	3.00	433	1.11	3.00	469	1.26	3.00
	50	223	0.72	261	0.85	3.00	298	0.99	3.00	335	1.14	3.00	357	1.23	3.00	408	1.46	3.00	444	1.64	3.00
	75	189	0.95	229	1.11	3.00	268	1.27	3.00	306	1.44	3.00	328	1.55	3.00	381	1.82	3.00	418	2.02	3.00
	100	152	1.18	194	1.36	3.00	235	1.55	3.00	275	1.75	3.00	299	1.87	3.00	353	2.18	3.00	391	2.40	3.00
	125	-	-	157	1.62	3.00	200	1.83	3.00	242	2.06	3.00	267	2.19	3.00	323	2.53	3.00	362	2.78	4.00
	150	-	-	-	-	-	164	2.11	4.00	208	2.36	3.00	233	2.51	3.00	292	2.89	4.00	332	3.16	4.00
	175	-	-	-	-	-	124	2.39	4.00	171	2.67	4.00	198	2.84	3.00	259	3.24	4.00	301	3.54	4.00
	200	-	-	-	-	-	-	-	-	132	2.97	4.00	161	3.16	4.00	224	3.60	4.00	-	-	-
	225	-	-	-	-	-	-	-	-	-	-	-	122	3.48	4.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	225	-	-	-	-	-	-	-	-	-	-	-	169	3.72	4.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	166	3.18	4.00	198	3.39	4.00	-	-	-	-	-	-
	175	-	-	-	-	-	142	2.55	4.00	195	2.86	4.00	224	3.05	4.00	-	-	-	-	-	-
	150	-	-	-	-	-	120	1.98	4.00	221	2.54	4.00	247	2.72	4.00	-	-	-	-	-	-
	125	101	1.49	156	1.71	4.00	203	1.96	4.00	245	2.22	4.00	268	2.38	4.00	-	-	-	-	-	-
	100	140	1.24	186	1.44	4.00	227	1.66	4.00	265	1.90	4.00	286	2.05	4.00	-	-	-	-	-	-
	75	173	1.00	212	1.17	4.00	248	1.36	4.00	282	1.58	4.00	302	1.71	4.00	-	-	-	-	-	-
	50	199	0.75	233	0.90	4.00	265	1.07	4.00	297	1.26	4.00	315	1.38	4.00	-	-	-	-	-	-
	25	218	0.51	248	0.63	4.00	278	0.77	4.00	308	0.94	4.00	326	1.04	4.00	-	-	-	-	-	-
	0	230	0.27	259	0.36	4.00	288	0.48	4.00	317	0.62	4.00	334	0.71	4.00	-	-	-	-	-	-
SUCTION	25	221	0.56	251	0.68	4.00	280	0.81	4.00	309	0.95	4.00	326	1.05	4.00	-	-	-	-	-	-
	50	205	0.80	236	0.94	4.00	267	1.10	4.00	298	1.27	4.00	316	1.38	4.00	-	-	-	-	-	-
	75	179	1.04	214	1.21	4.00	248	1.40	4.00	281	1.59	4.00	300	1.71	4.00	-	-	-	-	-	-
	100	143	1.28	184	1.48	4.00	222	1.69	4.00	258	1.91	4.00	279	2.05	4.00	-	-	-	-	-	-
	125	-	-	146	1.74	4.00	190	1.98	4.00	230	2.23	4.00	252	2.38	4.00	-	-	-	-	-	-
	150	-	-	-	-	-	150	2.27	4.00	195	2.55	4.00	221	2.72	4.00	-	-	-	-	-	-
	175	-	-	-	-	-	-	-	-	155	2.87	4.00	183	3.05	4.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	-	-	-	140	3.39	4.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
SERIES **K** MODEL **06**
TYPE **TS** EXECUTION **MOR - GOR - GVR**
Rev.19-00 EN

Δp [mbar]	2000 rpm		2250 rpm		2500 rpm		2750 rpm		2900 rpm		3250 rpm		3500 rpm	
	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]
COMPRESSION	300	-	-	-	-	-	-	-	229	7.14	7.50	-	-	-
	275	-	-	-	-	-	-	-	256	6.62	7.50	-	-	-
	250	-	-	-	-	-	243	5.76	284	6.11	7.50	-	-	-
	225	-	-	-	-	-	272	5.26	312	5.59	7.50	-	-	-
	200	-	-	-	164	3.81	301	4.77	340	5.08	7.50	402	6.40	7.50
	175	-	-	-	198	3.40	330	4.28	368	4.56	7.50	427	5.83	7.50
	150	163	2.61	7.50	232	2.98	359	3.78	395	4.04	7.50	452	5.19	7.50
	125	201	2.24	5.50	266	2.56	388	3.29	423	3.53	7.50	478	4.58	7.50
	100	238	1.86	5.50	300	2.15	417	2.79	451	3.01	7.50	503	3.98	7.50
	75	275	1.48	4.00	334	1.73	446	2.30	479	2.49	7.50	529	3.37	7.50
SUCTION	50	313	1.11	4.00	368	1.31	475	1.81	507	1.98	7.50	554	2.76	7.50
	25	350	0.73	4.00	402	0.90	504	1.31	535	1.46	7.50	605	2.16	7.50
	0	388	0.35	4.00	436	0.48	533	0.82	562	0.94	7.50	630	1.55	7.50
	25	356	0.79	4.00	406	0.96	504	1.33	534	1.46	7.50	603	2.02	7.50
	50	322	1.16	4.00	373	1.37	474	1.83	505	1.98	7.50	574	2.64	7.50
	75	284	1.53	4.00	338	1.78	442	2.32	473	2.49	7.50	545	3.25	7.50
	100	243	1.90	5.50	299	2.19	408	2.81	440	3.01	7.50	513	3.86	7.50
	125	197	2.27	5.50	257	2.60	371	3.30	404	3.53	7.50	479	4.47	7.50
	150	-	-	-	213	3.01	332	3.80	366	4.04	7.50	444	5.08	7.50
	175	-	-	-	-	-	291	4.29	326	4.56	7.50	407	5.70	7.50
	200	-	-	-	-	-	247	4.78	284	5.08	7.50	369	6.31	7.50
	225	-	-	-	-	-	201	5.27	240	5.59	7.50	328	-	-
	250	-	-	-	-	-	-	-	194	6.11	7.50	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	325	-	-	-	-	-	-	-	-	-	-	-	310	9.31	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	350	8.72	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	-	-	-	328	7.62	11.00	389	8.12	9.20	527	9.35	11.00	-	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	265	6.31	11.00	369	7.06	9.20	429	7.53	9.20	564	8.70	11.00	656	9.59	11.00	-	-	-	-	-	-	-
	225	-	-	-	-	-	310	5.78	9.20	411	6.49	9.20	469	6.94	7.50	600	8.04	9.20	690	8.90	11.00	778	9.80	11.00	-	-	-	-
	200	-	-	-	252	4.64	9.20	355	5.26	9.20	452	5.92	7.50	509	6.34	7.50	636	7.39	9.20	724	8.20	9.20	810	9.07	11.00	894	9.99	11.00
	175	196	3.62	9.20	300	4.16	9.20	399	4.74	7.50	494	5.36	7.50	548	5.75	7.50	672	6.74	7.50	758	7.51	9.20	842	8.33	9.20	925	9.21	11.00
	150	249	3.19	7.50	349	3.68	7.50	444	4.22	7.50	535	4.79	7.50	588	5.16	5.50	709	6.08	7.50	792	6.81	7.50	875	7.59	9.20	956	8.43	11.00
	125	303	2.76	7.50	398	3.21	7.50	489	3.69	5.50	576	4.22	5.50	628	4.57	5.50	745	5.43	7.50	827	6.11	7.50	907	6.85	9.20	987	7.65	9.20
	100	356	2.33	5.50	447	2.73	5.50	534	3.17	5.50	618	3.66	5.50	668	3.97	5.50	781	4.78	5.50	861	5.42	7.50	940	6.12	7.50	1017	6.87	9.20
	75	410	1.90	5.50	495	2.25	5.50	578	2.65	5.50	659	3.09	5.50	707	3.38	5.50	818	4.13	5.50	895	4.72	5.50	972	5.38	7.50	1048	6.09	7.50
	50	463	1.46	5.50	544	1.77	5.50	623	2.13	5.50	701	2.52	5.50	747	2.79	5.50	854	3.47	5.50	929	4.03	5.50	1004	4.64	5.50	1079	5.31	7.50
	25	517	1.03	5.50	593	1.30	5.50	668	1.60	5.50	743	1.96	5.50	787	2.19	5.50	890	2.82	5.50	964	3.33	5.50	1037	3.90	5.50	1110	4.54	5.50
0	570	0.60	5.50	642	0.82	5.50	713	1.08	5.50	784	1.39	5.50	827	1.60	5.50	927	2.17	5.50	998	2.64	5.50	1069	3.17	5.50	1140	3.76	5.50	
SUCTION	25	525	1.14	5.50	598	1.40	5.50	671	1.68	5.50	743	1.99	5.50	786	2.19	5.50	887	2.70	5.50	959	3.10	5.50	1031	3.53	5.50	1103	3.99	5.50
	50	476	1.57	5.50	551	1.87	5.50	626	2.20	5.50	700	2.56	5.50	744	2.79	5.50	847	3.36	5.50	920	3.80	5.50	993	4.28	5.50	1065	4.78	5.50
	75	422	1.99	5.50	500	2.34	5.50	577	2.72	5.50	653	3.12	5.50	699	3.38	5.50	804	4.02	5.50	878	4.51	5.50	952	5.03	7.50	1026	5.57	7.50
	100	363	2.42	7.50	445	2.82	5.50	525	3.24	5.50	604	3.69	5.50	651	3.97	5.50	758	4.67	5.50	834	5.21	7.50	909	5.77	7.50	984	6.37	7.50
	125	-	-	-	386	3.29	7.50	470	3.76	7.50	552	4.25	5.50	600	4.57	5.50	710	5.33	7.50	788	5.91	7.50	865	6.52	7.50	941	7.16	9.20
	150	-	-	-	-	-	-	411	4.28	7.50	496	4.82	7.50	546	5.16	5.50	660	5.99	7.50	740	6.61	7.50	819	7.27	9.20	896	7.95	9.20
	175	-	-	-	-	-	-	348	4.79	7.50	437	5.38	7.50	489	5.75	7.50	607	6.64	7.50	690	7.31	9.20	770	8.01	9.20	850	8.74	11.00
	200	-	-	-	-	-	-	-	-	-	376	5.95	7.50	430	6.34	7.50	552	7.30	9.20	637	8.02	9.20	720	8.76	11.00	802	9.53	11.00
225	-	-	-	-	-	-	-	-	-	-	-	-	368	6.94	7.50	495	7.96	9.20	583	8.72	11.00	668	9.51	11.00	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	375	-	-	-	-	-	-	-	-	-	-	-	422	13.52	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	-	-	-	461	12.76	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	426	11.28	15.00	500	12.00	15.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	467	10.56	15.00	539	11.24	15.00	702	12.92	15.00	-	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	385	8.80	15.00	507	9.83	15.00	578	10.48	15.00	737	12.09	15.00	847	13.31	15.00	-	-	-	-	-	-	-
	250	-	-	-	303	7.21	429	8.13	15.00	548	9.11	15.00	617	9.73	11.00	773	11.25	15.00	880	12.42	15.00	-	-	-	-	-	-	-
	225	-	-	-	351	6.59	15.00	473	7.46	15.00	589	8.39	11.00	656	8.97	11.00	808	10.42	15.00	914	11.54	15.00	1017	12.73	15.00	-	-	-
	200	274	5.22	15.00	399	5.98	11.00	517	6.79	11.00	630	7.66	11.00	695	8.21	11.00	844	9.58	11.00	947	10.65	15.00	1048	11.78	15.00	1148	13.00	15.00
	175	327	4.67	11.00	447	5.37	11.00	561	6.13	9.20	670	6.94	9.20	734	7.45	9.20	879	8.75	11.00	980	9.76	11.00	1080	10.84	15.00	1178	12.00	15.00
	150	380	4.12	11.00	495	4.76	9.20	605	5.46	9.20	711	6.21	9.20	773	6.69	9.20	915	7.91	9.20	1014	8.87	11.00	1111	9.90	11.00	1208	11.01	15.00
	125	432	3.57	9.20	543	4.15	9.20	649	4.79	7.50	752	5.49	7.50	812	5.93	7.50	950	7.08	9.20	1047	7.98	9.20	1143	8.95	11.00	1238	10.01	15.00
	100	485	3.01	7.50	590	3.54	7.50	692	4.12	7.50	792	4.76	7.50	851	5.18	7.50	986	6.24	7.50	1081	7.09	9.20	1175	8.01	9.20	1268	9.01	11.00
	75	537	2.46	7.50	638	2.93	7.50	736	3.45	7.50	833	4.04	7.50	890	4.42	7.50	1021	5.40	7.50	1114	6.20	7.50	1206	7.07	9.20	1298	8.02	9.20
50	589	1.91	7.50	685	2.32	7.50	780	2.78	7.50	873	3.31	7.50	928	3.66	7.50	1057	4.57	7.50	1147	5.31	7.50	1238	6.12	7.50	1328	7.02	9.20	
25	642	1.35	7.50	733	1.71	7.50	824	2.11	7.50	913	2.59	7.50	967	2.90	7.50	1092	3.73	7.50	1181	4.42	7.50	1269	5.18	7.50	1357	6.02	7.50	
0	694	0.80	7.50	780	1.09	7.50	867	1.45	7.50	954	1.86	7.50	1006	2.14	7.50	1127	2.90	7.50	1214	3.53	7.50	1301	4.24	7.50	1387	5.03	7.50	
SUCTION	25	650	1.51	7.50	738	1.85	7.50	826	2.22	7.50	914	2.63	7.50	966	2.90	7.50	1089	3.58	7.50	1176	4.11	7.50	1263	4.68	7.50	1350	5.29	7.50
	50	602	2.05	7.50	693	2.45	7.50	783	2.88	7.50	872	3.36	7.50	925	3.66	7.50	1049	4.42	7.50	1138	5.01	7.50	1226	5.64	7.50	1314	6.30	7.50
	75	549	2.59	7.50	643	3.05	7.50	736	3.55	7.50	827	4.08	7.50	881	4.42	7.50	1008	5.26	7.50	1098	5.91	7.50	1187	6.59	7.50	1276	7.32	9.20
	100	491	3.14	7.50	589	3.66	7.50	685	4.21	7.50	779	4.80	7.50	835	5.18	7.50	964	6.10	7.50	1055	6.80	7.50	1146	7.55	9.20	1236	8.33	9.20
	125	428	3.68	9.20	531	4.26	9.20	630	4.87	7.50	727	5.53	7.50	785	5.93	7.50	917	6.94	9.20	1010	7.70	9.20	1102	8.50	11.00	1194	9.34	11.00
	150	359	4.22	11.00	468	4.86	9.20	572	5.54	9.20	673	6.25	9.20	732	6.69	9.20	868	7.78	9.20	963	8.60	11.00	1057	9.46	11.00	1150	10.36	15.00
	175	-	-	-	401	5.47	11.00	510	6.20	9.20	615	6.97	9.20	676	7.45	9.20	816	8.62	11.00	914	9.50	11.00	1010	10.41	15.00	1105	11.37	15.00
	200	-	-	-	-	-	-	444	6.87	11.00	554	7.69	11.00	618	8.21	9.20	762	9.46	11.00	862	10.40	15.00	960	11.37	15.00	1057	12.38	15.00
	225	-	-	-	-	-	-	375	7.53	15.00	489	8.42	11.00	556	8.97	11.00	705	10.30	15.00	808	11.29	15.00	909	12.33	15.00	1008	13.39	15.00
	250	-	-	-	-	-	-	-	-	-	422	9.14	15.00	491	9.73	11.00	646	11.14	15.00	752	12.19	15.00	856	13.28	15.00	-	-	-
	275	-	-	-	-	-	-	-	-	-	-	-	-	423	10.48	15.00	584	11.98	15.00	694	13.09	15.00	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	-	353	11.24	15.00	520	12.82	15.00	-	-	-	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	350	-	-	-	-	-	-	-	-	-	-	-	674	16.63	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	-	-	-	720	15.61	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	674	13.74	18.50	767	14.60	18.50	975	16.68	18.50	-	-	-	-	-	-	-	-	-	-
	275	-	-	-	-	-	566	11.48	18.50	723	12.77	18.50	813	13.58	18.50	1018	15.55	18.50	-	-	-	-	-	-	-	-	-	-
	250	-	-	-	-	-	618	10.58	18.50	771	11.80	15.00	860	12.56	15.00	1060	14.43	18.50	1199	15.86	18.50	-	-	-	-	-	-	-
	225	-	-	-	515	8.60	18.50	671	9.68	15.00	820	10.82	15.00	906	11.54	15.00	1103	13.31	15.00	1239	14.67	18.50	1373	16.10	18.50	-	-	-
	200	-	-	-	572	7.78	15.00	723	8.78	15.00	868	9.85	15.00	953	10.52	15.00	1145	12.19	15.00	1279	13.47	15.00	1410	14.83	18.50	-	-	-
	175	475	6.09	629	6.96	15.00	776	7.89	15.00	917	8.88	11.00	999	9.50	11.00	1188	11.07	15.00	1319	12.28	15.00	1448	13.57	15.00	1576	14.94	18.50	18.50
	150	538	5.34	686	6.14	15.00	828	6.99	11.00	965	7.90	11.00	1046	8.49	11.00	1230	9.95	11.00	1359	11.08	15.00	1486	12.30	15.00	1612	13.60	15.00	15.00
	125	601	4.60	743	5.32	11.00	880	6.09	11.00	1014	6.93	11.00	1092	7.47	11.00	1273	8.82	11.00	1399	9.89	11.00	1524	11.03	15.00	1648	12.27	15.00	15.00
	100	663	3.86	800	4.50	11.00	933	5.19	11.00	1062	5.96	11.00	1139	6.45	11.00	1315	7.70	11.00	1439	8.69	11.00	1562	9.77	11.00	1684	10.93	15.00	15.00
	75	726	3.12	857	3.68	11.00	985	4.30	11.00	1111	4.99	11.00	1185	5.43	11.00	1357	6.58	11.00	1479	7.50	11.00	1600	8.50	11.00	1719	9.59	11.00	11.00
	50	789	2.37	914	2.85	11.00	1037	3.40	11.00	1159	4.01	11.00	1232	4.41	11.00	1400	5.46	11.00	1519	6.30	11.00	1637	7.23	11.00	1755	8.25	11.00	11.00
	25	851	1.63	971	2.03	11.00	1090	2.50	11.00	1208	3.04	11.00	1278	3.40	11.00	1442	4.34	11.00	1559	5.11	11.00	1675	5.97	11.00	1791	6.91	11.00	11.00
	0	914	0.89	1028	1.21	11.00	1142	1.60	11.00	1256	2.07	11.00	1325	2.38	11.00	1485	3.22	11.00	1599	3.91	11.00	1713	4.70	11.00	1827	5.58	11.00	11.00
SUCTION	25	861	1.80	977	2.19	11.00	1093	2.62	11.00	1208	3.09	11.00	1277	3.40	11.00	1438	4.17	11.00	1553	4.77	11.00	1667	5.42	11.00	1782	6.11	11.00	11.00
	50	805	2.53	923	3.00	11.00	1041	3.51	11.00	1159	4.06	11.00	1229	4.41	11.00	1392	5.29	11.00	1508	5.97	11.00	1624	6.70	11.00	1739	7.47	11.00	11.00
	75	741	3.26	864	3.81	11.00	985	4.40	11.00	1105	5.03	11.00	1177	5.43	11.00	1342	6.42	11.00	1460	7.18	11.00	1577	7.98	11.00	1694	8.83	11.00	11.00
	100	671	3.98	799	4.62	11.00	924	5.29	11.00	1048	6.00	11.00	1121	6.45	11.00	1290	7.55	11.00	1409	8.39	11.00	1528	9.26	11.00	1647	10.19	15.00	15.00
	125	595	4.71	729	5.43	11.00	859	6.18	11.00	986	6.97	11.00	1061	7.47	11.00	1234	8.68	11.00	1356	9.59	11.00	1477	10.55	15.00	1597	11.55	15.00	15.00
	150	511	5.44	653	6.24	15.00	789	7.07	11.00	920	7.95	11.00	998	8.49	11.00	1175	9.81	11.00	1300	10.80	15.00	1423	11.83	15.00	1545	12.91	15.00	15.00
	175	-	-	-	571	7.05	15.00	713	7.96	15.00	850	8.92	11.00	930	9.50	11.00	1113	10.93	15.00	1240	12.00	15.00	1366	13.11	15.00	1490	14.27	18.50
	200	-	-	-	-	-	634	8.86	15.00	776	9.89	15.00	859	10.52	15.00	1047	12.06	15.00	1178	13.21	15.00	1307	14.40	18.50	1433	15.63	18.50	18.50
	225	-	-	-	-	-	549	9.75	15.00	698	10.86	15.00	784	11.54	15.00	979	13.19	15.00	1113	14.42	18.50	1245	15.68	18.50	-	-	-	-
	250	-	-	-	-	-	-	-	-	615	11.83	15.00	705	12.56	15.00	907	14.32	18.50	1045	15.62	18.50	-	-	-	-	-	-	-
275	-	-	-	-	-	-	-	-	-	-	-	623	13.58	18.50	832	15.45	18.50	-	-	-	-	-	-	-	-	-	-	
300	-	-	-	-	-	-	-	-	-	-	-	536	14.60	18.50	753	16.58	18.50	-	-	-	-	-	-	-	-	-	-	

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	250	-	-	-	-	-	-	-	-	-	-	-	984	12.51	18.50	1033	14.52	18.50	1263	16.71	18.50	-	-	-	-	-	-	-
	225	-	-	-	-	-	-	-	-	-	-	-	1037	11.40	15.00	1083	13.35	18.50	1309	15.43	18.50	-	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	-	-	-	1090	10.28	15.00	1134	12.18	15.00	1355	14.14	18.50	1509	15.65	18.50	1701	15.80	18.50	
	175	-	-	-	-	-	928	9.12	15.00	1090	10.28	15.00	1185	11.02	15.00	1235	9.85	11.00	1401	12.86	15.00	1552	14.28	18.50	1743	14.35	18.50	
	150	-	-	-	822	7.10	15.00	985	8.09	15.00	1142	9.17	15.00	1235	9.85	11.00	1447	11.57	15.00	1596	12.91	15.00	1784	12.90	15.00	1927	14.36	18.50
	125	721	5.32	15.00	884	6.16	15.00	1042	7.07	11.00	1195	8.05	11.00	1286	8.69	11.00	1494	10.29	15.00	1640	11.54	15.00	1825	11.45	15.00	2005	11.30	15.00
	100	789	4.47	11.00	946	5.22	11.00	1099	6.04	11.00	1248	6.94	11.00	1336	7.52	11.00	1540	9.00	11.00	1683	10.18	15.00	1866	10.00	15.00	2044	9.77	11.00
	75	857	3.62	11.00	1008	4.28	11.00	1156	5.01	11.00	1301	5.83	11.00	1387	6.36	11.00	1586	7.72	11.00	1727	8.81	11.00	1908	8.55	11.00	2083	8.24	11.00
	50	925	2.77	11.00	1070	3.34	11.00	1213	3.98	11.00	1354	4.71	11.00	1438	5.19	11.00	1632	6.43	11.00	1770	7.44	11.00	1949	7.10	11.00	2123	6.70	11.00
	25	993	1.92	11.00	1132	2.40	11.00	1270	2.96	11.00	1406	3.60	11.00	1488	4.02	11.00	1678	5.15	11.00	1814	6.07	11.00	1990	5.65	11.00	2075	7.26	11.00
0	1061	1.07	11.00	1194	1.46	11.00	1327	1.93	11.00	1459	2.48	11.00	1539	2.86	11.00	1725	3.87	11.00	1857	4.71	11.00	1941	6.44	11.00	2027	8.82	11.00	
SUCTION	25	1004	2.12	11.00	1139	2.58	11.00	1273	3.10	11.00	1407	3.66	11.00	1487	4.02	11.00	1674	4.94	11.00	1808	5.66	11.00	1941	6.44	11.00	2075	7.26	11.00
	50	942	2.95	11.00	1079	3.51	11.00	1216	4.12	11.00	1352	4.77	11.00	1434	5.19	11.00	1623	6.24	11.00	1758	7.04	11.00	1893	7.91	11.00	2027	8.82	11.00
	75	873	3.79	11.00	1015	4.44	11.00	1155	5.14	11.00	1294	5.88	11.00	1376	6.36	11.00	1569	7.53	11.00	1705	8.43	11.00	1841	9.38	11.00	1977	10.38	15.00
	100	797	4.62	11.00	944	5.37	11.00	1089	6.16	11.00	1231	7.00	11.00	1315	7.52	11.00	1511	8.82	11.00	1650	9.81	11.00	1787	10.84	15.00	1925	11.94	15.00
	125	715	5.46	15.00	868	6.30	15.00	1018	7.18	11.00	1164	8.11	11.00	1251	8.69	11.00	1450	10.11	15.00	1591	11.19	15.00	1731	12.31	15.00	1870	13.49	15.00
	150	-	-	-	787	7.22	15.00	942	8.20	15.00	1093	9.22	15.00	1182	9.85	11.00	1386	11.40	15.00	1530	12.57	15.00	1672	13.78	18.50	1813	15.05	18.50
	175	-	-	-	-	-	-	862	9.22	15.00	1018	10.33	15.00	1109	11.02	15.00	1319	12.69	15.00	1466	13.95	18.50	1610	15.25	18.50	1754	16.61	18.50
	200	-	-	-	-	-	-	-	-	-	939	11.44	15.00	1033	12.18	15.00	1249	13.99	18.50	1399	15.33	18.50	1546	16.72	18.50	-	-	-
	225	-	-	-	-	-	-	-	-	-	855	12.55	18.50	953	13.35	18.50	1175	15.28	18.50	1329	16.71	18.50	-	-	-	-	-	-
	250	-	-	-	-	-	-	-	-	-	-	-	-	870	14.52	18.50	1098	16.57	18.50	-	-	-	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	400	-	-	-	-	-	-	-	-	-	-	-	947	26.59	30.00	1231	30.72	37.00	-	-	-	-	-	-	-	-	-	-
	375	-	-	-	-	-	-	-	-	-	-	-	998	25.28	30.00	1278	29.28	37.00	1471	32.36	37.00	-	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	927	22.42	30.00	1049	23.98	30.00	1325	27.85	37.00	1514	30.83	37.00	-	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	980	21.17	30.00	1101	22.67	30.00	1371	26.41	30.00	1558	29.30	37.00	1741	32.39	37.00	-	-	-	-
	300	-	-	-	-	-	831	17.65	30.00	1034	19.93	30.00	1152	21.37	30.00	1418	24.97	30.00	1602	27.77	37.00	1783	30.76	37.00	-	-	-	-
	275	-	-	-	-	-	888	16.50	30.00	1087	18.68	30.00	1203	20.06	22.00	1465	23.53	30.00	1646	26.24	30.00	1824	29.14	37.00	1999	32.25	37.00	37.00
	250	-	-	-	743	13.43	30.00	946	15.35	30.00	1140	17.43	22.00	1254	18.76	22.00	1511	22.10	30.00	1690	24.71	30.00	1866	27.52	37.00	2039	30.54	37.00
	225	598	10.70	30.00	806	12.38	30.00	1004	14.20	22.00	1194	16.18	22.00	1305	17.45	22.00	1558	20.66	30.00	1734	23.18	30.00	1907	25.89	30.00	2078	28.82	37.00
	200	667	9.74	30.00	868	11.33	22.00	1061	13.05	22.00	1247	14.94	18.50	1356	16.15	18.50	1604	19.22	22.00	1778	21.64	30.00	1949	24.27	30.00	2118	27.11	30.00
	175	736	8.79	22.00	931	10.28	22.00	1119	11.90	18.50	1300	13.69	18.50	1407	14.84	18.50	1651	17.78	22.00	1822	20.11	30.00	1990	22.65	30.00	2157	25.39	30.00
	150	804	7.84	18.50	994	9.22	18.50	1176	10.75	18.50	1354	12.44	18.50	1458	13.54	18.50	1698	16.35	18.50	1866	18.58	22.00	2032	21.02	30.00	2197	23.68	30.00
	125	873	6.89	18.50	1056	8.17	18.50	1234	9.60	18.50	1407	11.20	18.50	1509	12.23	18.50	1744	14.91	18.50	1910	17.05	22.00	2074	19.40	22.00	2236	21.96	30.00
	100	942	5.94	18.50	1119	7.12	18.50	1291	8.45	18.50	1460	9.95	18.50	1560	10.93	18.50	1791	13.47	18.50	1954	15.52	18.50	2115	17.78	22.00	2275	20.25	30.00
	75	1011	4.99	18.50	1181	6.07	18.50	1348	7.30	18.50	1513	8.70	18.50	1611	9.62	18.50	1837	12.03	18.50	1997	13.99	18.50	2157	16.15	18.50	2315	18.53	22.00
	50	1079	4.04	18.50	1244	5.02	18.50	1406	6.15	18.50	1566	7.45	18.50	1662	8.32	18.50	1884	10.60	18.50	2041	12.46	18.50	2198	14.53	18.50	2354	16.82	18.50
25	1148	3.08	18.50	1306	3.97	18.50	1463	5.00	18.50	1620	6.21	18.50	1713	7.01	18.50	1930	9.16	18.50	2085	10.93	18.50	2239	12.90	18.50	2394	15.10	18.50	
0	1217	2.13	18.50	1369	2.91	18.50	1521	3.85	18.50	1673	4.96	18.50	1764	5.71	18.50	1977	7.72	18.50	2129	9.40	18.50	2281	11.28	18.50	2433	13.39	18.50	
SUCTION	25	1159	3.50	18.50	1313	4.35	18.50	1467	5.29	18.50	1620	6.34	18.50	1712	7.01	18.50	1927	8.74	18.50	2080	10.10	18.50	2233	11.56	18.50	2385	13.14	18.50
	50	1096	4.44	18.50	1253	5.38	18.50	1409	6.43	18.50	1565	7.58	18.50	1658	8.32	18.50	1874	10.18	18.50	2029	11.64	18.50	2183	13.21	18.50	2337	14.88	18.50
	75	1026	5.37	18.50	1187	6.42	18.50	1347	7.57	18.50	1505	8.82	18.50	1600	9.62	18.50	1819	11.63	18.50	1975	13.19	18.50	2131	14.85	18.50	2286	16.63	18.50
	100	950	6.30	18.50	1116	7.46	18.50	1280	8.72	18.50	1442	10.07	18.50	1538	10.93	18.50	1761	13.08	18.50	1919	14.73	18.50	2076	16.50	18.50	2233	18.37	22.00
	125	868	7.24	18.50	1041	8.50	18.50	1209	9.86	18.50	1374	11.31	18.50	1473	12.23	18.50	1699	14.52	18.50	1860	16.28	18.50	2019	18.14	22.00	2177	20.11	30.00
	150	780	8.17	22.00	959	9.54	18.50	1133	11.00	18.50	1303	12.56	18.50	1404	13.54	18.50	1635	15.97	18.50	1798	17.83	22.00	1959	19.79	22.00	2120	21.85	30.00
	175	685	9.11	22.00	873	10.58	22.00	1053	12.14	18.50	1228	13.80	18.50	1331	14.84	18.50	1567	17.41	22.00	1733	19.37	22.00	1898	21.43	30.00	2060	23.60	30.00
	200	-	-	-	781	11.62	22.00	969	13.28	22.00	1149	15.04	18.50	1255	16.15	18.50	1497	18.86	22.00	1666	20.92	30.00	1833	23.08	30.00	1998	25.34	30.00
	225	-	-	-	-	-	-	880	14.42	22.00	1066	16.29	22.00	1176	17.45	22.00	1424	20.31	30.00	1596	22.46	30.00	1766	24.72	30.00	1934	27.08	30.00
	250	-	-	-	-	-	-	786	15.57	30.00	980	17.53	22.00	1092	18.76	22.00	1347	21.75	30.00	1524	24.01	30.00	1697	26.37	30.00	1868	28.83	37.00
	275	-	-	-	-	-	-	-	-	-	-	-	-	889	18.78	30.00	1006	20.06	22.00	1268	23.20	30.00	1449	25.55	30.00	1625	28.01	37.00
	300	-	-	-	-	-	-	-	-	-	-	-	-	915	21.37	30.00	1185	24.64	30.00	1371	27.10	30.00	1551	29.65	37.00	1728	32.31	37.00
	325	-	-	-	-	-	-	-	-	-	-	-	-	821	22.67	30.00	1100	26.09	30.00	1290	28.64	37.00	1475	31.30	37.00	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
SERIES **K** MODEL **11**
TYPE **TS** EXECUTION **MOR**
Rev.19-00 EN

Δp [mbar]	2000 rpm		2250 rpm		2500 rpm		2750 rpm		2900 rpm		3250 rpm		3500 rpm	
	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]
COMPRESSION	275	-	-	-	-	-	-	-	1203	20.06	22.00	-	-	-
	250	-	-	-	-	-	1140	17.43	1254	18.76	22.00	-	-	-
	225	-	-	-	-	-	1194	16.18	1305	17.45	22.00	-	-	-
	200	-	-	-	-	-	1061	13.05	1356	16.15	18.50	19.22	22.00	-
	175	-	-	-	931	10.28	1119	11.90	1407	14.84	18.50	17.78	22.00	-
	150	804	7.84	18.50	994	9.22	1176	10.75	1458	13.54	15.00	16.35	18.50	22.00
	125	873	6.89	18.50	1056	8.17	1234	9.60	1509	12.23	15.00	14.91	18.50	22.00
	100	942	5.94	15.00	1119	7.12	1291	8.45	1560	10.93	15.00	13.47	15.52	18.50
	75	1011	4.99	15.00	1181	6.07	1348	7.30	1611	9.62	15.00	12.03	15.00	18.50
	50	1079	4.04	15.00	1244	5.02	1406	6.15	1662	8.32	15.00	10.60	15.00	15.00
SUCTION	25	1148	3.08	15.00	1306	3.97	1463	5.00	1713	7.01	15.00	9.16	15.00	15.00
	0	1217	2.13	15.00	1369	2.91	1521	3.85	1764	5.71	15.00	7.72	9.40	15.00
	25	1159	3.50	15.00	1313	4.35	1467	5.29	1712	7.01	15.00	8.74	10.10	15.00
	50	1096	4.44	15.00	1253	5.38	1409	6.43	1658	8.32	15.00	10.18	11.64	15.00
	75	1026	5.37	15.00	1187	6.42	1347	7.57	1600	9.62	15.00	11.63	13.19	15.00
	100	950	6.30	15.00	1116	7.46	1280	8.72	1538	10.93	15.00	13.08	14.73	18.50
	125	868	7.24	18.50	1041	8.50	1209	9.86	1473	12.23	15.00	14.52	16.28	18.50
	150	-	-	-	959	9.54	1133	11.00	1404	13.54	15.00	15.97	17.98	22.00
	175	-	-	-	873	10.58	1053	12.14	1331	14.84	18.50	17.41	19.37	22.00
	200	-	-	-	-	-	969	13.28	1255	16.15	18.50	18.86	-	-
	225	-	-	-	-	-	-	-	1176	17.45	22.00	-	-	-
	250	-	-	-	-	-	-	-	1092	18.76	22.00	-	-	-
	275	-	-	-	-	-	-	-	1006	20.06	22.00	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	400	-	-	-	-	-	-	-	-	-	-	-	1192	31.23	37.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	375	-	-	-	-	-	-	-	-	-	-	-	1241	29.77	37.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	1158	26.37	37.00	1291	28.30	37.00	1590	33.15	37.00	-	-	-	-	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	1210	24.98	37.00	1340	26.84	37.00	1635	31.54	37.00	-	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	1041	20.75	37.00	1261	23.58	30.00	1389	25.38	30.00	1680	29.93	37.00	1882	33.48	37.00	-	-	-	-	-	-	-
	275	-	-	-	-	-	1097	19.46	30.00	1312	22.18	30.00	1439	23.92	30.00	1725	28.32	37.00	1925	31.77	37.00	-	-	-	-	-	-	-
	250	-	-	-	933	15.78	30.00	1152	18.18	30.00	1364	20.78	30.00	1488	22.46	30.00	1770	26.71	30.00	1967	30.05	37.00	-	-	-	-	-	-
	225	769	12.52	30.00	993	14.61	30.00	1208	16.89	30.00	1416	19.38	30.00	1537	20.99	30.00	1816	25.09	30.00	2010	28.34	37.00	2202	31.86	37.00	-	-	-
	200	835	11.46	30.00	1054	13.43	30.00	1264	15.60	30.00	1467	17.99	30.00	1587	19.53	22.00	1861	23.48	30.00	2053	26.62	30.00	2242	30.04	37.00	-	-	-
	175	901	10.39	30.00	1114	12.25	30.00	1319	14.31	22.00	1519	16.59	22.00	1637	18.07	22.00	1906	21.87	30.00	2096	24.91	30.00	2283	28.22	37.00	2468	31.82	37.00
	150	968	9.32	22.00	1175	11.07	22.00	1375	13.02	22.00	1571	15.19	22.00	1686	16.61	18.50	1952	20.26	30.00	2138	23.19	30.00	2323	26.40	30.00	2507	29.90	37.00
	125	1034	8.26	22.00	1235	9.89	18.50	1431	11.73	18.50	1622	13.79	18.50	1736	15.15	18.50	1997	18.65	22.00	2181	21.47	30.00	2364	24.58	30.00	2545	27.98	37.00
	100	1101	7.19	18.50	1296	8.71	18.50	1487	10.44	18.50	1674	12.40	18.50	1786	13.68	18.50	2042	17.04	22.00	2224	19.76	22.00	2404	22.76	30.00	2584	26.06	30.00
	75	1168	6.13	18.50	1357	7.53	18.50	1543	9.15	18.50	1726	11.00	18.50	1835	12.22	18.50	2088	15.43	18.50	2267	18.04	22.00	2445	20.94	30.00	2622	24.14	30.00
	50	1235	5.06	18.50	1418	6.36	18.50	1599	7.86	18.50	1778	9.60	18.50	1885	10.76	18.50	2133	13.82	18.50	2310	16.33	18.50	2485	19.12	22.00	2661	22.21	30.00
25	1302	3.99	18.50	1479	5.18	18.50	1655	6.58	18.50	1830	8.20	18.50	1935	9.30	18.50	2179	12.21	18.50	2353	14.61	18.50	2526	17.30	22.00	2699	20.29	30.00	
0	1369	2.93	18.50	1540	4.00	18.50	1711	5.29	18.50	1882	6.81	18.50	1985	7.83	18.50	2224	10.60	18.50	2396	12.90	18.50	2567	15.48	18.50	2738	18.37	22.00	
SUCTION	25	1312	4.57	18.50	1485	5.70	18.50	1658	6.97	18.50	1831	8.38	18.50	1934	9.30	18.50	2175	11.63	18.50	2347	13.47	18.50	2519	15.46	18.50	2691	17.60	22.00
	50	1250	5.62	18.50	1426	6.87	18.50	1602	8.25	18.50	1776	9.78	18.50	1881	10.76	18.50	2124	13.25	18.50	2297	15.20	18.50	2470	17.30	22.00	2643	19.55	22.00
	75	1183	6.66	18.50	1363	8.03	18.50	1541	9.53	18.50	1718	11.17	18.50	1824	12.22	18.50	2070	14.87	18.50	2245	16.93	22.00	2419	19.14	22.00	2593	21.50	30.00
	100	1110	7.71	18.50	1294	9.19	18.50	1476	10.81	18.50	1656	12.57	18.50	1764	13.68	18.50	2013	16.49	18.50	2190	18.67	22.00	2366	20.99	30.00	2541	23.45	30.00
	125	1031	8.76	22.00	1221	10.36	22.00	1408	12.09	18.50	1591	13.96	18.50	1701	15.15	18.50	1953	18.11	22.00	2132	20.40	30.00	2310	22.83	30.00	2488	25.41	30.00
	150	947	9.80	30.00	1144	11.52	22.00	1335	13.37	22.00	1523	15.35	22.00	1634	16.61	18.50	1891	19.73	22.00	2072	22.13	30.00	2253	24.67	30.00	2432	27.36	37.00
	175	-	-	-	1061	12.69	30.00	1259	14.65	22.00	1451	16.75	22.00	1565	18.07	22.00	1826	21.35	30.00	2010	23.86	30.00	2193	26.51	30.00	2374	29.31	37.00
	200	-	-	-	-	-	-	1178	15.93	30.00	1376	18.14	30.00	1492	19.53	22.00	1759	22.97	30.00	1946	25.59	30.00	2131	28.36	37.00	2314	31.27	37.00
	225	-	-	-	-	-	-	1094	17.21	30.00	1297	19.53	30.00	1416	20.99	30.00	1688	24.59	30.00	1879	27.32	37.00	2066	30.20	37.00	2252	33.22	37.00
	250	-	-	-	-	-	-	-	-	-	1215	20.93	30.00	1337	22.46	30.00	1615	26.21	30.00	1809	29.06	37.00	2000	32.04	37.00	-	-	-
	275	-	-	-	-	-	-	-	-	-	-	-	-	1255	23.92	30.00	1540	27.83	37.00	1737	30.79	37.00	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-	-	-	-	1169	25.38	30.00	1461	29.45	37.00	1663	32.52	37.00	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

SIDE CHANNEL BLOWER
SERIES **K** MODEL **12**
TYPE **TS** EXECUTION **MOR**
Rev.19-00 EN

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	200	-	-	-	-	-	-	-	-	-	-	-	1587	19.53	22.00	-	-	-	-	-	-
	175	-	-	-	-	-	-	-	-	1519	16.59	22.00	1637	18.07	22.00	-	-	-	-	-	-
	150	-	-	-	-	-	1375	13.02	22.00	1571	15.19	22.00	1686	16.61	18.50	-	-	-	-	-	-
	125	-	-	-	1235	9.89	18.50	1431	11.73	1622	13.79	18.50	1736	15.15	18.50	1997	18.65	22.00	-	-	-
	100	1101	7.19	18.50	1296	8.71	18.50	1487	10.44	1674	12.40	18.50	1786	13.68	18.50	2042	17.04	22.00	2224	19.76	22.00
	75	1168	6.13	18.50	1357	7.53	18.50	1543	9.15	1726	11.00	18.50	1835	12.22	18.50	2088	15.43	18.50	2267	18.04	22.00
	50	1235	5.06	18.50	1418	6.36	18.50	1599	7.86	1778	9.60	18.50	1885	10.76	18.50	2133	13.82	18.50	2310	16.33	18.50
	25	1302	3.99	18.50	1479	5.18	18.50	1655	6.58	1830	8.20	18.50	1935	9.30	18.50	2179	12.21	18.50	2353	14.61	18.50
	0	1369	2.93	18.50	1540	4.00	18.50	1711	5.29	1882	6.81	18.50	1985	7.83	18.50	2224	10.60	18.50	2396	12.90	18.50
	25	1312	4.57	18.50	1485	5.70	18.50	1658	6.97	1831	8.38	18.50	1934	9.30	18.50	2175	11.63	18.50	2347	13.47	18.50
SUCTION	50	1250	5.62	18.50	1426	6.87	18.50	1602	8.25	1776	9.78	18.50	1881	10.76	18.50	2124	13.25	18.50	2297	15.20	18.50
	75	1183	6.66	18.50	1363	8.03	18.50	1541	9.53	1718	11.17	18.50	1824	12.22	18.50	2070	14.87	18.50	2245	16.93	22.00
	100	1110	7.71	18.50	1294	9.19	18.50	1476	10.81	1656	12.57	18.50	1764	13.68	18.50	2013	16.49	18.50	2190	18.67	22.00
	125	-	-	-	1221	10.36	22.00	1408	12.09	1591	13.96	18.50	1701	15.15	18.50	1953	18.11	22.00	-	-	-
	150	-	-	-	-	-	-	1335	13.37	1523	15.35	22.00	1634	16.61	18.50	1891	19.73	22.00	-	-	-
	175	-	-	-	-	-	-	-	-	1451	16.75	22.00	1565	18.07	22.00	-	-	-	-	-	-
	200	-	-	-	-	-	-	-	-	-	-	-	1492	19.53	22.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	400	-	-	-	-	-	-	-	-	-	-	-	49	2.05	2.20	-	-	-	-	-	-
	375	-	-	-	-	-	-	-	-	-	-	-	55	1.94	2.20	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	50	1.72	2.20	60	1.83	2.20	-	-	-	-	-	-
	325	-	-	-	-	-	-	-	-	55	1.61	2.20	66	1.71	2.20	89	1.95	2.20	-	-	-
	300	-	-	-	-	-	44	1.36	2.20	61	1.51	2.20	71	1.60	2.20	94	1.83	2.20	-	-	-
	275	-	-	-	-	-	50	1.26	2.20	67	1.40	2.20	77	1.49	2.20	99	1.71	2.20	115	1.87	2.20
	250	-	-	-	39	1.03	56	1.16	2.20	73	1.30	2.20	83	1.38	2.20	104	1.59	2.20	119	1.74	2.20
	225	-	-	-	46	0.94	63	1.06	2.20	79	1.19	2.20	88	1.27	2.20	110	1.46	2.20	124	1.61	2.20
	200	35	0.75	2.20	53	0.85	69	0.96	2.20	85	1.08	2.20	94	1.16	2.20	115	1.34	2.20	129	1.48	2.20
	175	43	0.67	2.20	60	0.76	75	0.87	2.20	91	0.98	2.20	100	1.04	2.20	120	1.22	2.20	134	1.35	2.20
	150	50	0.59	2.20	66	0.67	82	0.77	2.20	97	0.87	2.20	105	0.93	2.20	125	1.09	2.20	139	1.22	2.20
	125	58	0.51	2.20	73	0.58	88	0.67	2.20	103	0.76	2.20	111	0.82	2.20	130	0.97	2.20	144	1.09	2.20
	100	66	0.42	2.20	80	0.49	95	0.57	2.20	108	0.66	2.20	117	0.71	2.20	135	0.85	2.20	149	0.96	2.20
	75	73	0.34	2.20	87	0.40	101	0.47	2.20	114	0.55	2.20	122	0.60	2.20	141	0.73	2.20	153	0.83	2.20
	50	81	0.26	2.20	94	0.31	107	0.37	2.20	120	0.44	2.20	128	0.49	2.20	146	0.60	2.20	158	0.70	2.20
25	88	0.18	2.20	101	0.22	2.20	114	0.28	2.20	126	0.34	2.20	134	0.38	2.20	151	0.48	2.20	163	0.57	2.20
0	96	0.10	2.20	108	0.13	2.20	120	0.18	2.20	132	0.23	2.20	139	0.26	2.20	156	0.36	2.20	168	0.43	2.20
SUCTION	25	89	0.20	2.20	102	0.24	114	0.29	2.20	126	0.34	2.20	133	0.38	2.20	150	0.46	2.20	162	0.53	2.20
	50	83	0.28	2.20	95	0.33	108	0.39	2.20	120	0.45	2.20	127	0.49	2.20	144	0.58	2.20	157	0.66	2.20
	75	75	0.36	2.20	88	0.42	101	0.48	2.20	113	0.55	2.20	121	0.60	2.20	138	0.71	2.20	151	0.79	2.20
	100	66	0.44	2.20	80	0.51	93	0.58	2.20	106	0.66	2.20	114	0.71	2.20	132	0.83	2.20	145	0.92	2.20
	125	57	0.52	2.20	72	0.60	85	0.68	2.20	99	0.77	2.20	107	0.82	2.20	125	0.96	2.20	138	1.06	2.20
	150	47	0.60	2.20	62	0.69	77	0.78	2.20	91	0.87	2.20	99	0.93	2.20	118	1.08	2.20	131	1.19	2.20
	175	-	-	-	53	0.77	68	0.87	2.20	83	0.98	2.20	91	1.04	2.20	111	1.20	2.20	124	1.32	2.20
	200	-	-	-	-	-	58	0.97	2.20	74	1.09	2.20	83	1.16	2.20	103	1.33	2.20	117	1.45	2.20
	225	-	-	-	-	-	-	-	-	64	1.19	2.20	74	1.27	2.20	94	1.45	2.20	109	1.58	2.20
	250	-	-	-	-	-	-	-	-	54	1.30	2.20	64	1.38	2.20	86	1.57	2.20	101	1.72	2.20
275	-	-	-	-	-	-	-	-	-	-	-	-	54	1.49	2.20	77	1.70	2.20	92	1.85	2.20

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm		2250 rpm		2500 rpm		2750 rpm		2900 rpm		3250 rpm		3500 rpm	
	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P [kW]	Q [m³/h]	P _n [kW]
COMPRESSION	450	-	-	-	-	-	-	-	101	3.51	4.00	-	-	-
	400	-	-	-	-	-	98	2.99	113	3.16	4.00	148	3.56	4.00
	350	-	-	-	85	2.40	111	2.65	126	2.80	3.00	160	3.17	4.00
	300	-	-	73	1.88	4.00	124	2.31	139	2.45	3.00	171	2.79	4.00
	250	63	1.41	4.00	89	1.59	114	1.78	151	2.10	3.00	183	2.40	3.00
	200	80	1.15	3.00	104	1.31	128	1.47	164	1.75	3.00	194	2.01	3.00
	150	97	0.90	3.00	120	1.02	142	1.16	177	1.39	3.00	206	1.62	3.00
	100	114	0.64	3.00	136	0.74	157	0.85	189	1.04	3.00	217	1.23	3.00
	50	131	0.38	3.00	151	0.45	171	0.54	202	0.69	3.00	229	0.84	3.00
	0	148	0.12	3.00	167	0.17	185	0.23	215	0.33	3.00	241	0.45	3.00
SUCTION	50	133	0.40	3.00	152	0.47	171	0.55	201	0.69	3.00	228	0.82	3.00
	100	115	0.66	3.00	136	0.76	156	0.86	187	1.04	3.00	214	1.21	3.00
	150	93	0.91	3.00	116	1.04	137	1.17	171	1.39	3.00	199	1.60	3.00
	200	66	1.16	3.00	92	1.32	115	1.48	151	1.75	3.00	181	1.99	3.00
	250	-	-	-	64	1.60	90	1.79	130	2.10	3.00	162	2.38	3.00
	300	-	-	-	-	-	62	2.10	105	2.45	3.00	140	2.77	4.00
	350	-	-	-	-	-	-	-	79	2.80	3.00	116	3.16	4.00
	400	-	-	-	-	-	-	-	49	3.16	4.00	90	3.56	4.00
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	550	-	-	-	-	-	-	-	-	-	-	-	156	6.28	7.50	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	147	5.46	7.50	170	5.79	7.50	220	6.59	7.50	-	-	-
	450	-	-	-	-	-	-	-	-	162	4.99	7.50	184	5.29	7.50	233	6.05	7.50	266	6.62	7.50
	400	-	-	-	-	-	141	4.05	7.50	177	4.52	7.50	198	4.80	5.50	246	5.51	7.50	278	6.04	7.50
	350	-	-	-	120	3.22	157	3.62	5.50	192	4.05	5.50	212	4.31	5.50	259	4.97	5.50	291	5.47	7.50
	300	100	2.48	7.50	137	2.82	173	3.19	5.50	207	3.57	5.50	226	3.82	5.50	271	4.42	5.50	303	4.89	5.50
	250	119	2.12	5.50	155	2.43	189	2.75	5.50	221	3.10	4.00	241	3.33	4.00	284	3.88	5.50	315	4.31	5.50
	200	139	1.76	5.50	172	2.03	205	2.32	4.00	236	2.63	4.00	255	2.83	4.00	297	3.34	4.00	327	3.74	5.50
	150	158	1.40	4.00	190	1.63	221	1.89	4.00	251	2.16	4.00	269	2.34	4.00	310	2.80	4.00	339	3.16	4.00
	100	177	1.04	4.00	207	1.24	237	1.45	4.00	266	1.69	4.00	283	1.85	4.00	323	2.26	4.00	352	2.58	4.00
SUCTION	50	196	0.68	4.00	224	0.84	253	1.02	4.00	281	1.22	4.00	297	1.36	4.00	336	1.71	4.00	364	2.00	4.00
	0	215	0.32	4.00	242	0.44	268	0.58	4.00	295	0.75	4.00	311	0.87	4.00	349	1.17	4.00	376	1.43	4.00
	50	199	0.74	4.00	226	0.89	254	1.06	4.00	281	1.24	4.00	297	1.36	4.00	335	1.65	4.00	362	1.88	4.00
	100	179	1.09	4.00	208	1.29	236	1.49	4.00	264	1.71	4.00	281	1.85	4.00	320	2.20	4.00	348	2.46	4.00
	150	153	1.45	4.00	185	1.68	215	1.92	4.00	245	2.18	4.00	263	2.34	4.00	303	2.74	4.00	331	3.05	4.00
	200	123	1.80	5.50	158	2.07	191	2.35	4.00	222	2.65	4.00	241	2.83	4.00	283	3.29	4.00	313	3.63	4.00
	250	-	-	-	127	2.46	163	2.78	5.50	197	3.12	4.00	217	3.33	4.00	261	3.83	5.50	292	4.21	5.50
	300	-	-	-	-	-	131	3.21	5.50	168	3.59	5.50	189	3.82	5.50	237	4.38	5.50	269	4.80	5.50
	350	-	-	-	-	-	-	-	-	136	4.06	5.50	159	4.31	5.50	210	4.92	5.50	244	5.38	7.50
	400	-	-	-	-	-	-	-	-	-	-	-	126	4.80	5.50	181	5.47	7.50	217	5.96	7.50

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	550	-	-	-	-	-	-	-	-	194	6.86	9.20	-	7.89	9.20	-	-	-	-	-	-	-	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	163	5.65	9.20	-	7.27	9.20	291	8.27	9.20	-	-	-	-	-	-	-	-	-	-
	450	-	-	-	-	-	-	-	-	135	4.45	9.20	-	6.65	7.50	308	7.58	9.20	353	8.28	9.20	-	-	-	-	-	-	
	400	-	-	-	-	-	-	-	-	105	3.25	9.20	-	6.02	7.50	326	6.89	9.20	370	7.55	9.20	413	8.24	9.20	-	-	-	
	350	-	-	-	4.05	7.50	207	4.54	7.50	254	5.07	7.50	281	5.40	7.50	343	6.20	7.50	386	6.82	7.50	428	7.47	9.20	470	8.15	9.20	
	300	131	3.11	7.50	3.54	7.50	229	3.99	7.50	274	4.47	5.50	301	4.77	5.50	361	5.51	7.50	403	6.08	7.50	444	6.69	7.50	485	7.33	9.20	
	250	157	2.66	7.50	3.04	7.50	250	3.44	5.50	294	3.88	5.50	320	4.15	5.50	378	4.83	5.50	419	5.35	7.50	460	5.91	7.50	499	6.51	7.50	
	200	183	2.20	5.50	2.54	5.50	272	2.89	5.50	314	3.28	5.50	339	3.52	5.50	396	4.14	5.50	436	4.62	5.50	475	5.13	7.50	514	5.69	7.50	
	150	209	1.75	5.50	2.03	5.50	294	2.34	5.50	334	2.68	5.50	358	2.90	5.50	414	3.45	5.50	452	3.89	5.50	491	4.36	5.50	529	4.87	5.50	
	100	235	1.29	5.50	1.53	5.50	315	1.79	5.50	354	2.08	5.50	378	2.27	5.50	431	2.76	5.50	469	3.15	5.50	507	3.58	5.50	544	4.05	5.50	
50	261	0.84	5.50	1.03	5.50	337	1.24	5.50	374	1.49	5.50	397	1.65	5.50	449	2.08	5.50	485	2.42	5.50	522	2.80	5.50	559	3.23	5.50		
SUCTION	0	287	0.38	5.50	0.52	5.50	359	0.69	5.50	394	0.89	5.50	416	1.03	5.50	466	1.39	5.50	502	1.69	5.50	538	2.03	5.50	574	2.41	5.50	
	50	265	0.91	5.50	1.09	5.50	338	1.29	5.50	374	1.51	5.50	396	1.65	5.50	447	2.00	5.50	483	2.28	5.50	519	2.57	5.50	555	2.88	5.50	
	100	238	1.36	5.50	1.59	5.50	315	1.84	5.50	352	2.11	5.50	375	2.27	5.50	427	2.69	5.50	464	3.02	5.50	500	3.36	5.50	537	3.72	5.50	
	150	203	1.80	5.50	2.09	5.50	286	2.38	5.50	326	2.70	5.50	349	2.90	5.50	403	3.39	5.50	442	3.76	5.50	479	4.14	5.50	517	4.55	5.50	
	200	163	2.25	5.50	2.58	5.50	253	2.93	5.50	295	3.30	5.50	320	3.52	5.50	377	4.08	5.50	416	4.50	5.50	455	4.93	5.50	494	5.38	7.50	
	250	-	-	-	3.08	7.50	215	3.48	5.50	261	3.89	5.50	287	4.15	5.50	347	4.77	5.50	388	5.23	7.50	429	5.72	7.50	469	6.22	7.50	
	300	-	-	-	-	-	172	4.02	7.50	222	4.49	5.50	250	4.77	5.50	314	5.46	7.50	357	5.97	7.50	400	6.50	7.50	441	7.05	9.20	
	350	-	-	-	-	-	-	-	-	179	5.08	7.50	209	5.40	5.50	277	6.15	7.50	323	6.71	7.50	368	7.29	9.20	411	7.89	9.20	
	400	-	-	-	-	-	-	-	-	-	-	-	165	6.02	7.50	238	6.85	9.20	287	7.45	9.20	334	8.08	9.20	-	-	-	

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	600	-	-	-	-	-	-	-	-	285	9.41	15.00	302	10.75	15.00	383	12.22	15.00	439	13.33	15.00	-	-	-	-	-	-
	550	-	-	-	-	-	-	-	-	303	8.67	11.00	320	9.98	11.00	400	11.38	15.00	455	12.43	15.00	509	13.53	15.00	-	-	-
	500	-	-	-	-	-	-	-	-	322	7.94	11.00	338	9.21	11.00	416	10.53	15.00	470	11.52	15.00	523	12.57	15.00	-	-	-
	450	-	-	-	-	-	264	7.13	11.00	341	7.20	9.20	356	8.44	11.00	433	9.68	11.00	486	10.62	15.00	538	11.61	15.00	589	12.65	15.00
	400	-	-	225	5.74	11.00	284	6.45	11.00	360	6.47	9.20	392	6.90	9.20	449	8.83	11.00	501	9.72	11.00	553	10.65	15.00	603	11.64	15.00
	350	188	4.49	11.00	5.12	11.00	305	5.77	9.20	379	5.73	7.50	410	6.13	7.50	466	7.98	9.20	517	8.81	11.00	567	9.69	11.00	617	10.63	15.00
	300	212	3.93	9.20	4.50	9.20	325	5.09	9.20	397	4.99	7.50	428	5.36	7.50	498	7.13	9.20	532	7.91	9.20	582	8.74	11.00	631	9.62	11.00
	250	236	3.37	9.20	3.87	7.50	345	4.41	7.50	416	4.26	7.50	446	4.59	7.50	515	5.44	7.50	548	7.01	9.20	597	7.78	9.20	645	8.60	11.00
	200	260	2.81	7.50	3.25	7.50	366	3.73	7.50	435	3.52	7.50	464	3.82	7.50	531	4.59	7.50	579	5.20	7.50	626	5.86	7.50	673	6.58	7.50
	150	285	2.25	7.50	2.63	7.50	386	3.06	7.50	454	2.79	7.50	482	3.05	7.50	548	3.74	7.50	594	4.29	7.50	641	4.90	7.50	687	5.57	7.50
	100	309	1.69	7.50	2.01	7.50	406	2.38	7.50	472	2.05	7.50	500	2.28	7.50	564	2.89	7.50	610	3.39	7.50	655	3.95	7.50	701	4.56	7.50
	50	333	1.13	7.50	1.39	7.50	426	1.70	7.50	491	1.31	7.50	518	1.51	7.50	580	2.04	7.50	625	2.49	7.50	670	2.99	7.50	714	3.54	7.50
SUCTION	0	357	0.56	7.50	0.77	7.50	447	1.02	7.50	472	0.88	7.50	499	1.08	7.50	562	1.51	7.50	607	1.96	7.50	651	2.41	7.50	696	2.86	7.50
	50	336	1.23	7.50	1.49	7.50	427	1.77	7.50	452	1.51	7.50	479	1.71	7.50	543	2.14	7.50	589	2.59	7.50	634	3.04	7.50	680	3.49	7.50
	100	311	1.78	7.50	2.10	7.50	405	2.45	7.50	427	2.14	7.50	456	2.38	7.50	522	2.81	7.50	569	3.26	7.50	615	3.71	7.50	661	4.16	7.50
	150	279	2.33	7.50	2.71	7.50	379	3.12	7.50	399	2.81	7.50	428	3.05	7.50	497	3.48	7.50	545	3.93	7.50	593	4.38	7.50	640	4.83	9.20
	200	240	2.88	7.50	3.33	7.50	348	3.79	7.50	366	3.48	7.50	397	3.72	7.50	469	4.17	7.50	519	4.62	7.50	568	5.07	7.50	616	5.52	9.20
	250	-	-	-	3.94	7.50	312	4.47	7.50	329	4.16	7.50	362	4.40	7.50	438	4.79	7.50	490	5.18	7.50	540	5.63	7.50	590	6.08	9.20
	300	-	-	-	-	-	271	5.14	9.20	287	4.83	9.20	323	5.07	9.20	403	5.46	9.20	457	5.91	9.20	507	6.36	9.20	557	6.81	11.00
	350	-	-	-	-	-	-	-	-	287	6.49	9.20	323	6.90	7.50	403	7.90	9.20	457	8.65	11.00	510	9.42	11.00	562	10.22	15.00
400	-	-	-	-	-	-	-	-	-	-	-	-	280	7.67	9.20	365	8.76	11.00	422	9.56	11.00	478	10.39	15.00	531	11.25	15.00

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	600	-	-	-	-	-	-	-	-	-	-	-	413	14.43	18.50	513	16.49	18.50	-	-	-	-	-	-	-	-	-	-
	550	-	-	-	-	-	-	-	-	389	12.63	18.50	433	13.43	15.00	532	15.38	18.50	-	-	-	-	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	411	11.67	15.00	453	12.42	15.00	550	14.27	18.50	618	15.68	18.50	-	-	-	-	-	-	-
	450	-	-	-	-	-	360	9.57	15.00	432	10.70	15.00	474	11.41	15.00	569	13.16	15.00	635	14.50	18.50	700	15.92	18.50	-	-	-	-
	400	-	-	-	310	7.69	383	8.69	15.00	453	9.74	15.00	494	10.41	15.00	588	12.05	15.00	653	13.32	15.00	717	14.67	18.50	780	16.10	18.50	18.50
	350	261	6.02	15.00	335	6.88	15.00	406	7.80	15.00	474	8.78	11.00	514	9.40	11.00	606	10.95	15.00	670	12.14	15.00	734	13.42	15.00	796	14.78	18.50
	300	289	5.28	15.00	360	6.07	15.00	429	6.91	11.00	496	7.82	11.00	535	8.39	11.00	625	9.84	11.00	688	10.96	15.00	750	12.17	15.00	812	13.46	15.00
	250	316	4.55	11.00	385	5.26	11.00	452	6.02	11.00	517	6.86	11.00	555	7.39	11.00	643	8.73	11.00	705	9.78	11.00	767	10.91	15.00	827	12.13	15.00
	200	343	3.81	11.00	410	4.45	11.00	475	5.14	11.00	538	5.89	11.00	576	6.38	11.00	662	7.62	11.00	723	8.60	11.00	783	9.66	11.00	843	10.81	15.00
	150	371	3.08	11.00	435	3.63	11.00	498	4.25	11.00	559	4.93	11.00	596	5.37	11.00	680	6.51	11.00	740	7.42	11.00	800	8.41	11.00	859	9.49	11.00
	100	398	2.35	11.00	460	2.82	11.00	520	3.36	11.00	580	3.97	11.00	616	4.37	11.00	699	5.40	11.00	758	6.24	11.00	816	7.16	11.00	875	8.16	11.00
	50	426	1.61	11.00	485	2.01	11.00	543	2.48	11.00	602	3.01	11.00	637	3.36	11.00	718	4.29	11.00	775	5.06	11.00	833	5.90	11.00	890	6.84	11.00
SUCTION	0	453	0.88	11.00	510	1.20	11.00	566	1.59	11.00	623	2.04	11.00	657	2.35	11.00	736	3.18	11.00	793	3.87	11.00	849	4.65	11.00	906	5.52	11.00
	50	430	1.78	11.00	487	2.17	11.00	544	2.59	11.00	602	3.06	11.00	636	3.36	11.00	715	4.12	11.00	772	4.72	11.00	829	5.36	11.00	885	6.04	11.00
	100	402	2.50	11.00	461	2.97	11.00	520	3.47	11.00	579	4.02	11.00	614	4.37	11.00	695	5.24	11.00	753	5.91	11.00	810	6.63	11.00	867	7.39	11.00
	150	365	3.22	11.00	429	3.77	11.00	491	4.35	11.00	552	4.98	11.00	588	5.37	11.00	671	6.35	11.00	730	7.10	11.00	788	7.90	11.00	847	8.73	11.00
	200	321	3.94	11.00	389	4.57	11.00	455	5.23	11.00	519	5.94	11.00	557	6.38	11.00	643	7.47	11.00	704	8.29	11.00	764	9.16	11.00	823	10.08	15.00
	250	-	-	-	343	5.37	11.00	414	6.11	11.00	482	6.90	11.00	521	7.39	11.00	611	8.58	11.00	674	9.49	11.00	736	10.43	15.00	797	11.42	15.00
	300	-	-	-	-	-	-	367	6.99	11.00	439	7.86	11.00	481	8.39	11.00	575	9.70	11.00	641	10.68	15.00	704	11.70	15.00	767	12.77	15.00
	350	-	-	-	-	-	-	314	7.87	15.00	392	8.82	11.00	436	9.40	11.00	536	10.81	15.00	604	11.87	15.00	670	12.97	15.00	-	-	-
	400	-	-	-	-	-	-	-	-	-	339	9.78	15.00	387	10.41	15.00	492	11.93	15.00	564	13.06	15.00	-	-	-	-	-	-
	450	-	-	-	-	-	-	-	-	-	333	11.41	15.00	445	13.04	15.00	445	13.04	15.00	-	-	-	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm*			4000 rpm*			
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	
COMPRESSION	550	-	-	-	-	-	-	-	-	517	13.74	18.50	546	15.81	18.50	-	-	-	-	-	-	-	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	455	11.28	18.50	542	12.59	18.50	593	14.61	18.50	687	16.76	18.50	-	-	-	-	-	-	-
	450	-	-	-	-	-	-	-	-	482	10.22	18.50	566	11.45	15.00	616	12.22	15.00	729	14.13	18.50	-	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	508	9.17	15.00	591	10.31	15.00	640	11.02	15.00	751	12.81	15.00	809	15.59	18.50	-	-	-	-
	350	-	-	-	422	8.10	15.00	534	8.12	15.00	615	9.16	15.00	663	9.83	11.00	772	11.49	15.00	849	12.78	15.00	906	15.65	18.50	-	-	-
	300	365	6.22	15.00	451	7.14	15.00	534	8.12	15.00	615	9.16	15.00	663	9.83	11.00	772	11.49	15.00	849	12.78	15.00	925	14.17	18.50	1000	15.65	18.50
	250	396	5.35	15.00	480	6.17	15.00	561	7.06	11.00	640	8.02	11.00	686	8.63	11.00	794	10.17	15.00	869	11.38	15.00	944	12.68	15.00	1018	14.07	18.50
	200	428	4.48	11.00	509	5.21	11.00	587	6.01	11.00	664	6.88	11.00	710	7.43	11.00	815	8.86	11.00	889	9.98	11.00	963	11.19	15.00	1036	12.50	15.00
	150	460	3.61	11.00	537	4.24	11.00	614	4.95	11.00	689	5.73	11.00	733	6.24	11.00	837	7.54	11.00	910	8.57	11.00	982	9.70	11.00	1054	10.93	15.00
	100	491	2.73	11.00	566	3.28	11.00	640	3.90	11.00	713	4.59	11.00	757	5.04	11.00	858	6.22	11.00	930	7.17	11.00	1001	8.21	11.00	1072	9.36	11.00
50	523	1.86	11.00	595	2.32	11.00	667	2.84	11.00	738	3.44	11.00	780	3.85	11.00	879	4.90	11.00	950	5.76	11.00	1020	6.72	11.00	1091	7.78	11.00	
SUCTION	0	554	0.99	11.00	624	1.35	11.00	693	1.79	11.00	762	2.30	11.00	804	2.65	11.00	901	3.58	11.00	970	4.36	11.00	1039	5.23	11.00	1109	6.21	11.00
	50	528	2.05	11.00	598	2.49	11.00	668	2.97	11.00	738	3.50	11.00	780	3.85	11.00	877	4.71	11.00	946	5.39	11.00	1016	6.11	11.00	1085	6.89	11.00
	100	495	2.90	11.00	568	3.44	11.00	640	4.02	11.00	712	4.64	11.00	755	5.04	11.00	854	6.04	11.00	924	6.80	11.00	994	7.62	11.00	1064	8.48	11.00
	150	453	3.76	11.00	531	4.39	11.00	606	5.07	11.00	680	5.78	11.00	724	6.24	11.00	826	7.36	11.00	898	8.22	11.00	969	9.13	11.00	1041	10.08	15.00
	200	402	4.62	11.00	485	5.34	11.00	565	6.11	11.00	643	6.93	11.00	688	7.43	11.00	794	8.69	11.00	867	9.64	11.00	941	10.63	15.00	1013	11.68	15.00
	250	-	-	-	432	6.30	15.00	517	7.16	11.00	599	8.07	11.00	647	8.63	11.00	757	10.01	15.00	833	11.05	15.00	908	12.14	15.00	983	13.28	15.00
	300	-	-	-	-	-	-	463	8.21	15.00	550	9.21	15.00	601	9.83	11.00	715	11.34	15.00	795	12.47	15.00	-	-	-	-	-	-
	350	-	-	-	-	-	-	402	9.25	15.00	496	10.35	15.00	549	11.02	15.00	670	12.66	15.00	-	-	-	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	-	435	11.49	15.00	492	12.22	15.00	-	-	-	-	-	-	-	-	-	-	-	-
	450	-	-	-	-	-	-	-	-	-	-	-	-	430	13.42	15.00	-	-	-	-	-	-	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).
* Only for GOR / GVR execution

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	600	-	-	-	-	-	-	-	-	-	-	-	588	17.72	22.00	623	20.25	22.00	756	23.31	30.00	849	25.65	30.00	-	-	-
	550	-	-	-	-	-	-	-	-	612	16.42	22.00	669	17.54	22.00	799	20.33	30.00	889	22.47	30.00	977	24.75	30.00	1065	27.17	30.00
	500	-	-	-	-	-	-	-	-	637	15.13	22.00	693	16.19	18.50	820	18.83	22.00	909	20.88	30.00	996	23.06	30.00	1083	25.39	30.00
	450	-	-	-	-	-	542	13.44	22.00	661	13.83	18.50	716	14.83	18.50	841	17.34	22.00	929	19.29	22.00	1015	21.37	30.00	1101	23.60	30.00
	400	-	-	472	10.78	22.00	568	12.25	18.50	686	12.53	18.50	739	13.48	15.00	863	15.85	18.50	949	17.70	22.00	1034	19.69	22.00	1119	21.82	30.00
	350	-	-	500	9.68	18.50	594	11.06	18.50	710	11.24	15.00	763	12.12	15.00	884	14.35	18.50	969	16.11	18.50	1053	18.00	22.00	1137	20.04	30.00
	300	434	7.42	529	8.59	18.50	621	9.86	15.00	734	9.94	15.00	786	10.77	15.00	905	12.86	15.00	989	14.52	18.50	1072	16.31	18.50	1155	18.26	22.00
	250	465	6.43	557	7.50	15.00	647	8.67	15.00	759	8.65	15.00	809	9.41	15.00	926	11.37	15.00	1009	12.93	15.00	1091	14.63	18.50	1173	16.48	18.50
	200	497	5.44	586	6.41	15.00	673	7.47	15.00	783	7.35	15.00	833	8.05	15.00	948	9.87	15.00	1029	11.34	15.00	1110	12.94	15.00	1191	14.70	18.50
	150	528	4.46	615	5.31	15.00	699	6.28	15.00	807	6.06	15.00	856	6.70	15.00	969	8.38	15.00	1049	9.75	15.00	1129	11.25	15.00	1209	12.92	15.00
SUCTION	100	560	3.47	643	4.22	15.00	726	5.08	15.00	832	4.76	15.00	879	5.34	15.00	990	6.89	15.00	1069	8.16	15.00	1148	9.57	15.00	1227	11.13	15.00
	50	591	2.48	672	3.13	15.00	752	3.89	15.00	856	3.46	15.00	903	3.99	15.00	1012	5.39	15.00	1089	6.56	15.00	1167	7.88	15.00	1245	9.35	15.00
	0	623	1.49	700	2.04	15.00	778	2.69	15.00	832	4.85	15.00	879	5.34	15.00	988	6.60	15.00	1066	7.58	15.00	1144	8.64	15.00	1222	9.77	15.00
	50	596	2.76	675	3.39	15.00	753	4.08	15.00	805	6.14	15.00	853	6.70	15.00	964	8.10	15.00	1043	9.19	15.00	1122	10.35	15.00	1201	11.58	15.00
	100	563	3.73	645	4.47	15.00	725	5.27	15.00	805	7.43	15.00	823	8.05	15.00	936	9.60	15.00	1017	10.79	15.00	1097	12.06	15.00	1177	13.39	15.00
	150	522	4.70	607	5.55	15.00	691	6.46	15.00	774	7.43	15.00	787	8.05	15.00	904	11.10	15.00	987	12.40	15.00	1068	13.76	18.50	1149	15.20	18.50
	200	471	5.67	563	6.63	15.00	651	7.64	15.00	737	8.73	15.00	747	9.41	15.00	868	12.60	15.00	952	14.00	18.50	1036	15.47	18.50	1119	17.02	22.00
	250	-	-	510	7.70	15.00	604	8.83	15.00	694	10.02	15.00	701	10.77	15.00	827	14.11	18.50	915	15.61	18.50	1001	17.18	22.00	1085	18.83	22.00
	300	-	-	-	-	-	551	10.01	15.00	646	11.31	15.00	651	12.12	15.00	782	15.61	18.50	873	17.21	22.00	962	18.89	22.00	1049	20.64	30.00
	350	-	-	-	-	-	-	-	-	592	12.60	18.50	595	13.48	15.00	733	17.11	22.00	827	18.82	22.00	919	20.60	30.00	1009	22.45	30.00
	400	-	-	-	-	-	-	-	-	-	-	-	595	14.83	18.50	733	17.11	22.00	827	18.82	22.00	919	20.60	30.00	1009	22.45	30.00

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	450	-	-	-	-	-	-	-	-	661	13.83	18.50	693	16.19	18.50	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	686	12.53	18.50	716	14.83	18.50	-	-	-	-	-	-
	350	-	-	-	-	-	594	11.06	18.50	710	11.24	15.00	739	13.48	15.00	863	15.85	18.50	-	-	-
	300	-	-	-	529	8.59	621	9.86	15.00	734	9.94	15.00	763	12.12	15.00	884	14.35	18.50	969	16.11	18.50
	250	465	6.43	15.00	557	7.50	647	8.67	15.00	759	8.65	15.00	786	10.77	15.00	905	12.86	15.00	989	14.52	18.50
	200	497	5.44	15.00	586	6.41	673	7.47	15.00	783	7.35	15.00	809	9.41	15.00	926	11.37	15.00	1009	12.93	15.00
	150	528	4.46	15.00	615	5.31	699	6.28	15.00	807	6.06	15.00	833	8.05	15.00	948	9.87	15.00	1029	11.34	15.00
	100	560	3.47	15.00	643	4.22	726	5.08	15.00	832	4.76	15.00	856	6.70	15.00	969	8.38	15.00	1049	9.75	15.00
	50	591	2.48	15.00	672	3.13	752	3.89	15.00	879	3.99	15.00	903	5.34	15.00	990	6.89	15.00	1069	8.16	15.00
	0	623	1.49	15.00	700	2.04	778	2.69	15.00	886	3.46	15.00	903	3.99	15.00	1012	5.39	15.00	1089	6.56	15.00
SUCTION	50	596	2.76	15.00	675	3.39	753	4.08	15.00	832	4.85	15.00	879	5.34	15.00	988	6.60	15.00	1066	7.58	15.00
	100	563	3.73	15.00	645	4.47	725	5.27	15.00	805	6.14	15.00	853	6.70	15.00	964	8.10	15.00	1043	9.19	15.00
	150	522	4.70	15.00	607	5.55	691	6.46	15.00	774	7.43	15.00	823	8.05	15.00	936	9.60	15.00	1017	10.79	15.00
	200	471	5.67	15.00	563	6.63	651	7.64	15.00	737	8.73	15.00	787	9.41	15.00	904	11.10	15.00	987	12.40	15.00
	250	-	-	-	510	7.70	604	8.83	15.00	694	10.02	15.00	747	10.77	15.00	868	12.60	15.00	952	14.00	18.50
	300	-	-	-	-	-	551	10.01	15.00	646	11.31	15.00	701	12.12	15.00	827	14.11	18.50	915	15.61	18.50
	350	-	-	-	-	-	-	-	-	592	12.60	18.50	651	13.48	15.00	782	15.61	18.50	-	-	-
400	-	-	-	-	-	-	-	-	-	-	-	-	595	14.83	18.50	-	-	-	-	-	-

Tolerance on indicated values $\pm 10\%$.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Version: RPM

Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm			3750 rpm			4000 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	600	-	-	-	-	-	-	-	-	-	-	-	737	24.34	30.00	883	28.24	37.00	984	31.23	37.00	-	-	-	-	-	-
	550	-	-	-	-	-	-	-	-	697	21.29	30.00	760	22.79	30.00	904	26.52	30.00	1004	29.41	37.00	1102	32.49	37.00	-	-	-
	500	-	-	-	-	-	-	-	-	721	19.80	30.00	783	21.23	30.00	925	24.81	30.00	1023	27.58	37.00	1121	30.55	37.00	-	-	-
	450	-	-	-	-	-	640	16.17	30.00	745	18.31	30.00	806	19.67	22.00	945	23.09	30.00	1043	25.75	30.00	1139	28.61	37.00	1234	31.68	37.00
	400	-	-	-	561	12.93	666	14.80	22.00	768	16.82	22.00	828	18.11	22.00	966	21.37	30.00	1062	23.92	30.00	1157	26.67	37.00	1251	29.63	37.00
	350	-	-	-	589	11.67	692	13.43	22.00	792	15.33	22.00	851	16.56	22.00	986	19.66	22.00	1081	22.10	30.00	1176	24.74	30.00	1269	27.59	37.00
	300	513	8.93	22.00	617	10.42	717	12.05	22.00	815	13.84	22.00	873	15.00	22.00	1007	17.94	22.00	1101	20.27	30.00	1194	22.80	30.00	1286	25.54	30.00
	250	544	7.79	22.00	644	9.16	743	10.68	22.00	839	12.35	22.00	896	13.44	22.00	1027	16.23	22.00	1120	18.44	22.00	1212	20.86	30.00	1303	23.49	30.00
	200	574	6.65	22.00	672	7.91	768	9.31	22.00	862	10.87	22.00	918	11.88	22.00	1048	14.51	22.00	1139	16.62	22.00	1230	18.92	22.00	1321	21.44	30.00
	150	605	5.52	22.00	700	6.65	793	7.93	22.00	885	9.38	22.00	940	10.33	22.00	1068	12.79	22.00	1158	14.79	22.00	1248	16.99	22.00	1338	19.40	22.00
SUCTION	100	635	4.38	22.00	727	5.40	818	6.56	22.00	909	7.89	22.00	963	8.77	22.00	1088	11.08	22.00	1177	12.96	22.00	1266	15.05	22.00	1355	17.35	22.00
	50	665	3.25	22.00	754	4.14	843	5.19	22.00	932	6.40	22.00	985	7.21	22.00	1108	9.36	22.00	1196	11.13	22.00	1284	13.11	22.00	1372	15.30	22.00
	0	695	2.11	22.00	781	2.89	868	3.81	22.00	955	4.91	22.00	1007	5.65	22.00	1129	7.65	22.00	1215	9.31	22.00	1302	11.17	22.00	1389	13.26	22.00
	50	669	3.66	22.00	757	4.52	844	5.47	22.00	932	6.53	22.00	984	7.21	22.00	1107	8.95	22.00	1194	10.31	22.00	1281	11.79	22.00	1368	13.37	22.00
	100	637	4.77	22.00	727	5.75	816	6.83	22.00	905	8.01	22.00	958	8.77	22.00	1082	10.67	22.00	1170	12.16	22.00	1258	13.75	22.00	1346	15.45	22.00
	150	598	5.89	22.00	692	6.99	784	8.20	22.00	875	9.50	22.00	929	10.33	22.00	1055	12.40	22.00	1144	14.00	22.00	1233	15.71	22.00	1322	17.53	22.00
	200	553	7.00	22.00	651	8.23	746	9.56	22.00	840	10.98	22.00	896	11.88	22.00	1024	14.13	22.00	1115	15.85	22.00	1205	17.68	22.00	1295	19.61	22.00
	250	-	-	-	605	9.47	704	10.92	22.00	801	12.47	22.00	859	13.44	22.00	990	15.85	22.00	1083	17.69	22.00	1175	19.64	22.00	1266	21.69	30.00
	300	-	-	-	-	-	658	12.29	22.00	759	13.95	22.00	818	15.00	22.00	953	17.58	22.00	1048	19.54	22.00	1142	21.60	30.00	1235	23.77	30.00
	350	-	-	-	-	-	-	-	-	712	15.44	22.00	773	16.56	22.00	913	19.30	22.00	1011	21.38	30.00	1106	23.56	30.00	1201	25.85	30.00
	400	-	-	-	-	-	-	-	-	-	-	-	725	18.11	22.00	870	21.03	30.00	970	23.23	30.00	1068	25.53	30.00	1165	27.93	37.00

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

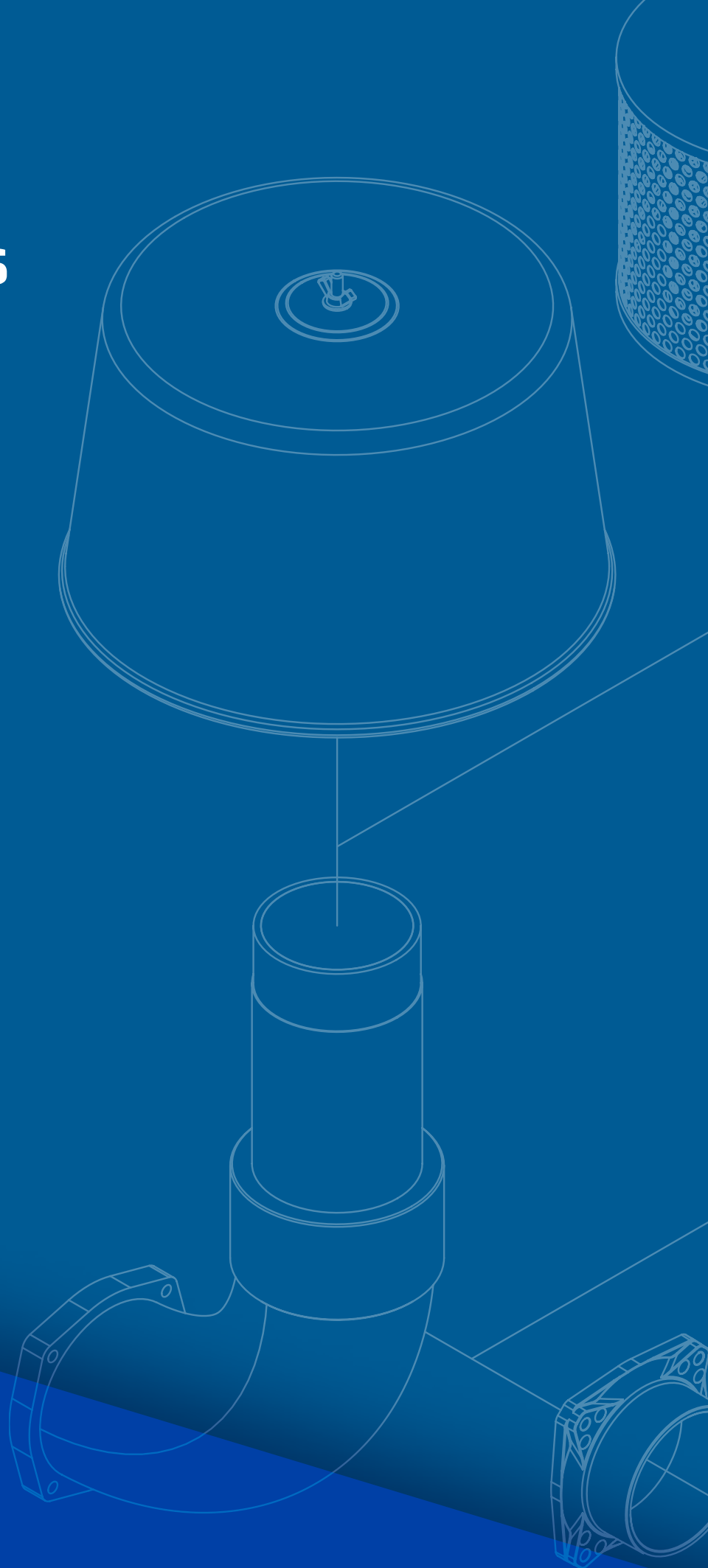
Version: RPM

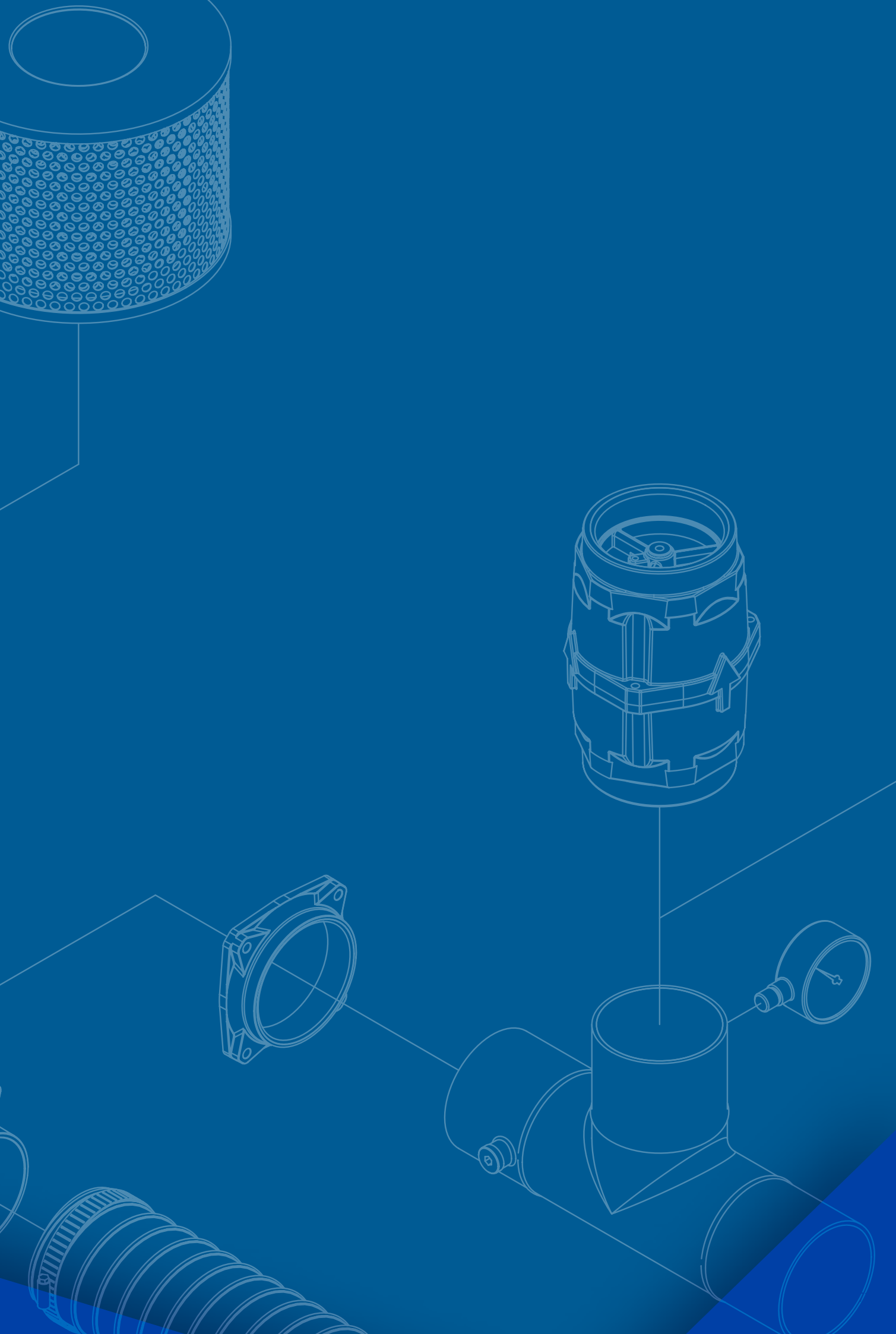
Δp [mbar]	2000 rpm			2250 rpm			2500 rpm			2750 rpm			2900 rpm			3250 rpm			3500 rpm		
	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]	Q [m³/h]	P [kW]	P _n [kW]
COMPRESSION	425	-	-	-	-	-	-	-	-	-	-	-	817	18.89	22.00	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	-	-	-	828	18.11	22.00	-	-	-	-	-	-
	375	-	-	-	-	-	-	-	-	780	16.08	22.00	840	17.33	22.00	-	-	-	-	-	-
	350	-	-	-	-	-	-	-	-	792	15.33	22.00	851	16.56	22.00	986	19.66	22.00	-	-	-
	325	-	-	-	-	-	704	12.74	22.00	804	14.59	18.50	862	15.78	22.00	996	18.80	22.00	-	-	-
	300	-	-	-	-	-	717	12.05	18.50	815	13.84	18.50	873	15.00	18.50	1007	17.94	22.00	-	-	-
	275	-	-	-	9.79	18.50	730	11.37	18.50	827	13.10	18.50	885	14.22	18.50	1017	17.08	22.00	1110	19.36	22.00
	250	-	-	-	6.44	18.50	743	10.68	18.50	839	12.35	18.50	896	13.44	18.50	1027	16.23	18.50	1120	18.44	22.00
	225	559	7.22	18.50	8.53	18.50	755	9.99	18.50	850	11.61	18.50	907	12.66	18.50	1037	15.37	18.50	1129	17.53	22.00
	200	574	6.65	18.50	7.91	18.50	768	9.31	18.50	862	10.87	18.50	918	11.88	18.50	1048	14.51	18.50	1139	16.62	18.50
	175	589	6.09	18.50	7.28	18.50	780	8.62	18.50	874	10.12	18.50	929	11.10	18.50	1058	13.65	18.50	1149	15.70	18.50
	150	605	5.52	18.50	7.00	18.50	793	7.93	18.50	885	9.38	18.50	940	10.33	18.50	1068	12.79	18.50	1158	14.79	18.50
	125	620	4.95	18.50	7.13	18.50	806	7.25	18.50	897	8.63	18.50	952	9.55	18.50	1078	11.94	18.50	1168	13.87	18.50
	100	635	4.38	18.50	7.27	18.50	818	6.56	18.50	909	7.89	18.50	963	8.77	18.50	1088	11.08	18.50	1177	12.96	18.50
	75	650	3.82	18.50	7.41	18.50	831	5.87	18.50	920	7.14	18.50	974	7.99	18.50	1098	10.22	18.50	1187	12.05	18.50
	50	665	3.25	18.50	7.54	18.50	843	5.19	18.50	932	6.40	18.50	985	7.21	18.50	1108	9.36	18.50	1196	11.13	18.50
	25	680	2.68	18.50	7.68	18.50	856	4.50	18.50	943	5.66	18.50	996	6.43	18.50	1119	8.50	18.50	1206	10.22	18.50
SUCTION	0	695	2.11	18.50	7.81	18.50	868	3.81	18.50	955	4.91	18.50	1007	5.65	18.50	1129	7.65	18.50	1215	9.31	18.50
	25	682	3.10	18.50	7.69	18.50	856	4.79	18.50	944	5.79	18.50	996	6.43	18.50	1118	8.09	18.50	1205	9.39	18.50
	50	669	3.66	18.50	7.57	18.50	844	5.47	18.50	932	6.53	18.50	984	7.21	18.50	1107	8.95	18.50	1194	10.31	18.50
	75	653	4.22	18.50	7.42	18.50	831	6.15	18.50	919	7.27	18.50	972	7.99	18.50	1095	9.81	18.50	1182	11.24	18.50
	100	637	4.77	18.50	7.27	18.50	816	6.83	18.50	905	8.01	18.50	958	8.77	18.50	1082	10.67	18.50	1170	12.16	18.50
	125	618	5.33	18.50	7.10	18.50	801	7.52	18.50	890	8.76	18.50	944	9.55	18.50	1069	11.54	18.50	1158	13.08	18.50
	150	598	5.89	18.50	6.92	18.50	784	8.20	18.50	875	9.50	18.50	929	10.33	18.50	1055	12.40	18.50	1144	14.00	18.50
	175	576	6.44	18.50	6.72	18.50	766	8.88	18.50	858	10.24	18.50	913	11.10	18.50	1040	13.26	18.50	1130	14.93	18.50
	200	553	7.00	18.50	6.51	18.50	746	9.56	18.50	840	10.98	18.50	896	11.88	18.50	1024	14.13	18.50	1115	15.85	18.50
	225	528	7.56	18.50	6.29	18.50	726	10.24	18.50	821	11.72	18.50	878	12.66	18.50	1008	14.99	18.50	1099	16.77	18.50
	250	-	-	-	6.05	18.50	704	10.92	18.50	801	12.47	18.50	859	13.44	18.50	990	15.85	18.50	1083	17.69	22.00
	275	-	-	-	5.80	18.50	682	11.60	18.50	780	13.21	18.50	839	14.22	18.50	972	16.71	18.50	1066	18.62	22.00
	300	-	-	-	-	18.50	658	12.29	18.50	759	13.95	18.50	818	15.00	18.50	953	17.58	22.00	1048	19.54	22.00
	325	-	-	-	-	-	633	12.97	22.00	736	14.69	18.50	796	15.78	22.00	934	18.44	22.00	-	-	-
	350	-	-	-	-	-	-	-	-	712	15.44	22.00	773	16.56	22.00	913	19.30	22.00	-	-	-
	375	-	-	-	-	-	-	-	-	687	16.18	22.00	750	17.33	22.00	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	-	-	-	725	18.11	22.00	-	-	-	-	-	-
	425	-	-	-	-	-	-	-	-	-	-	-	700	18.89	22.00	-	-	-	-	-	-

Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Accessories

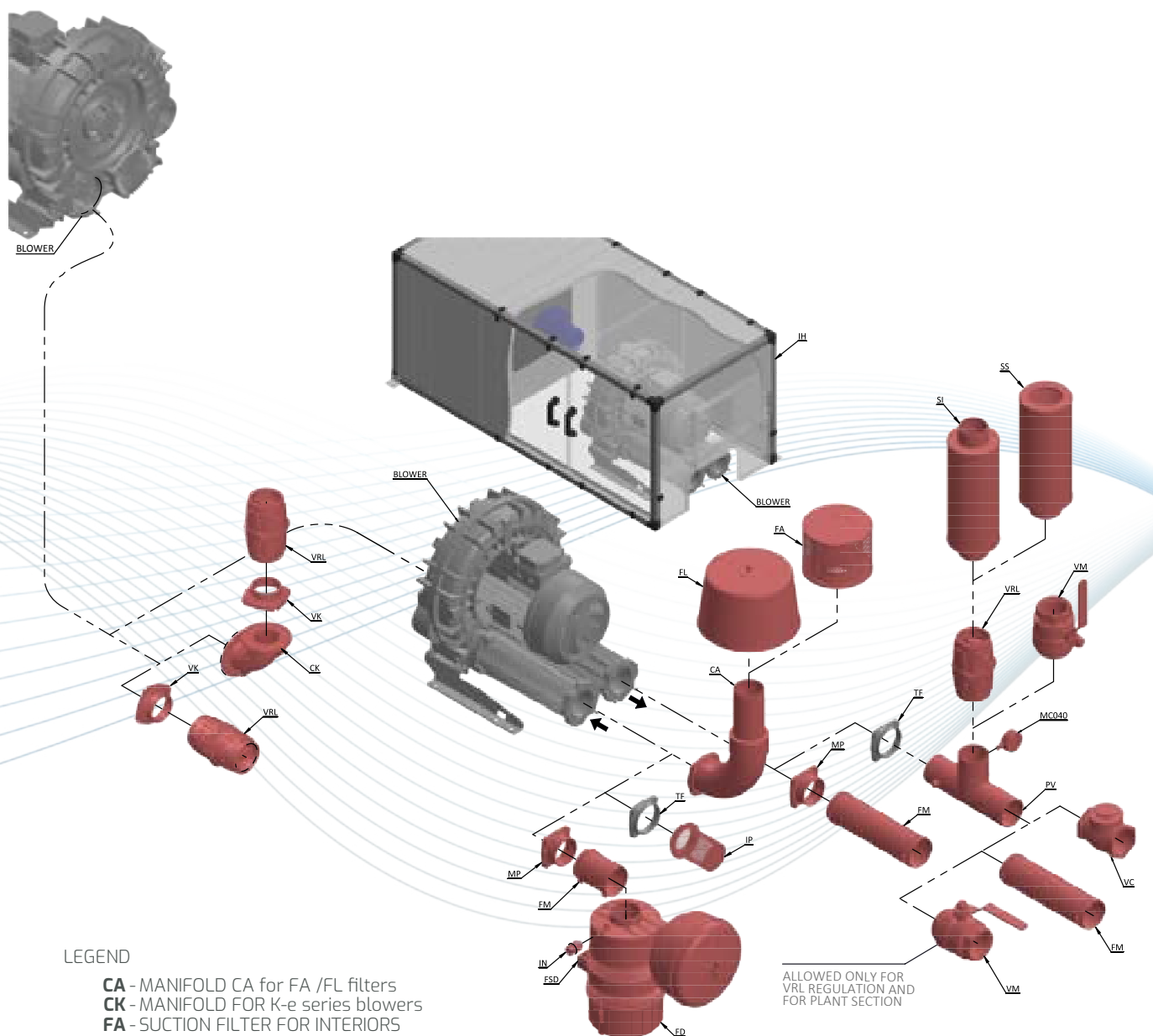
Data sheet





ACCESSORIES FOR BLOWERS - MS TYPE

PRESSURE APPLICATION



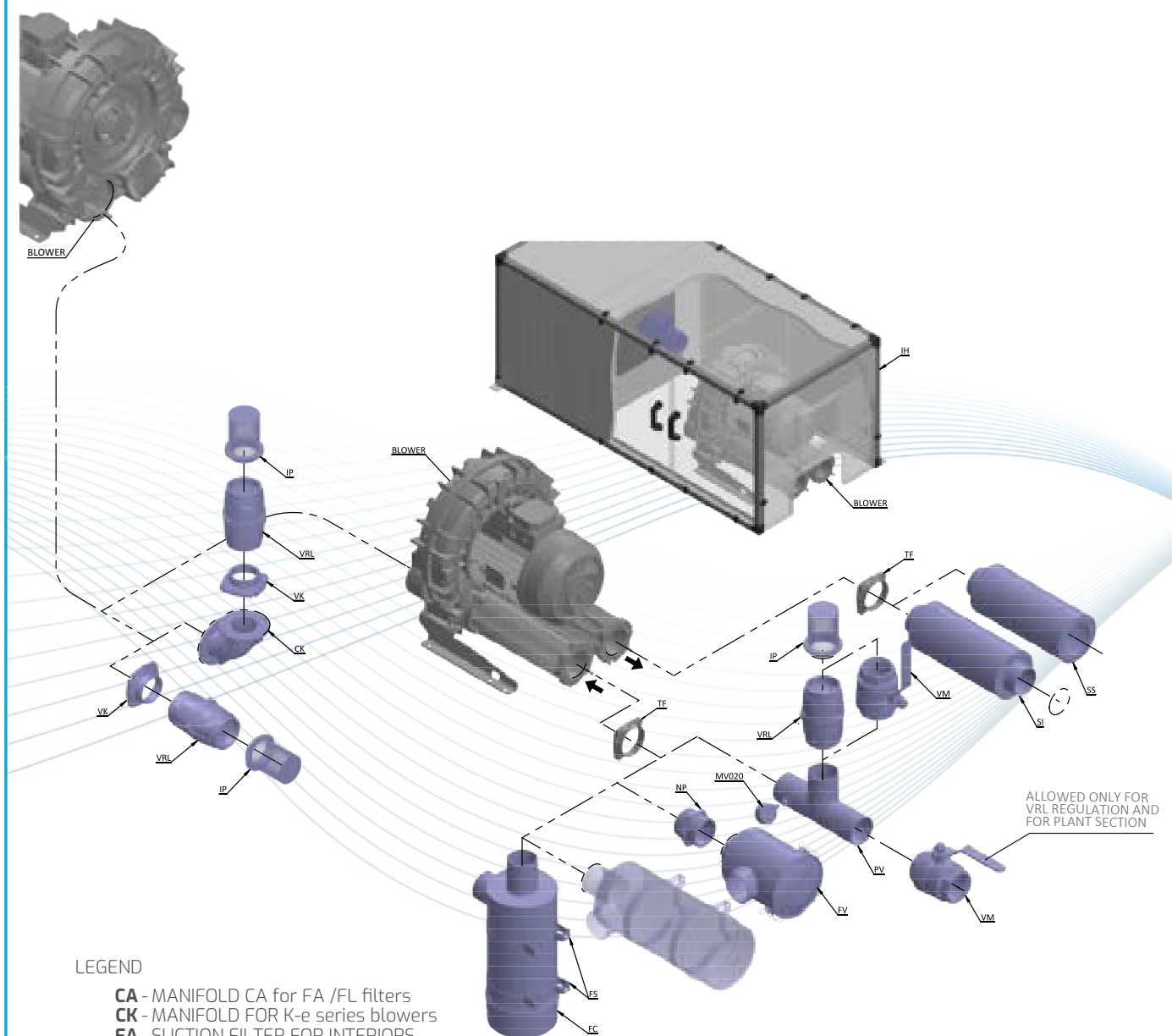
LEGEND

- CA - MANIFOLD CA for FA /FL filters
- CK - MANIFOLD FOR K-e series blowers
- FA - SUCTION FILTER FOR INTERIORS
- FL - SUCTION CARTRIDGE FILTER
- FD - CARTRIDGE CYCLONE DOUBLE FILTER
- FM - FLEXIBLE SLEEVE
- FSD - BRACKET
- FV - IN LINE CARTRIDGE FILTER
- IH - SOUNDPROOF CABIN
- IN - DUST LOAD INDICATOR
- IP - INTAKE PROTECTION
- MC040 - PRESSURE GAUGE
- MP - HOSE SLEEVE
- TF - THREADED FLANGE
- PK - HOSE SLEEVE
- PV - VALVE HOLDER PV
- SI - IN LINE SUPPLEMENTARY SILENCER
- SS - FINAL SUPPLEMENTARY SILENCER
- VC - NON-RETURN VALVE
- VM - BALL VALVE
- VRL - RELIEF VALVE
- VK - FLANGE VK

ALLOWED ONLY FOR
VRL REGULATION AND
FOR PLANT SECTION

ACCESSORIES FOR BLOWERS - MS TYPE

VACUUM APPLICATION

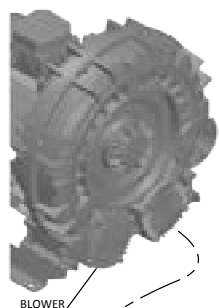


LEGEND

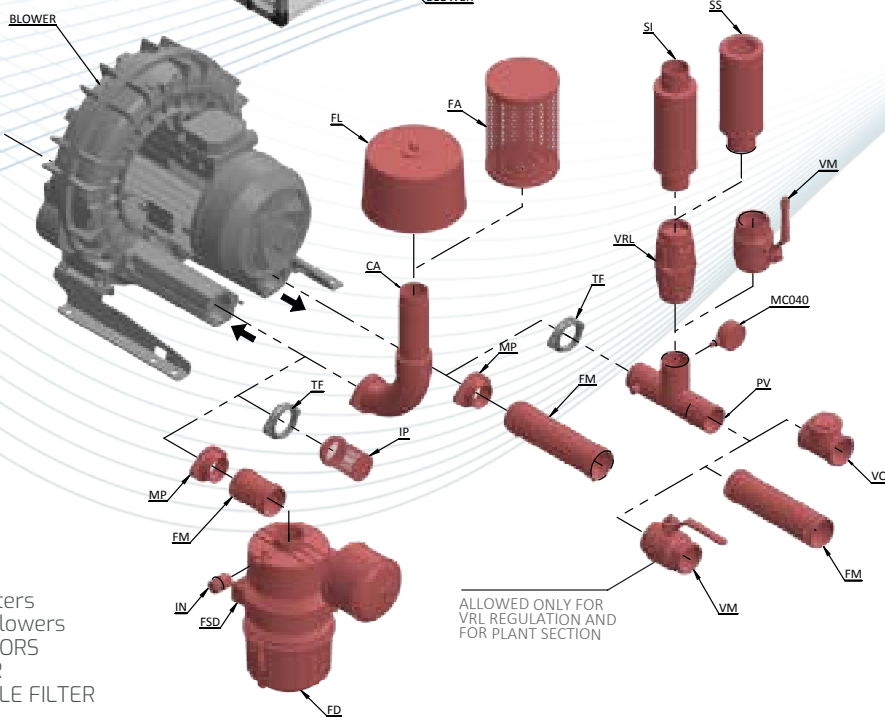
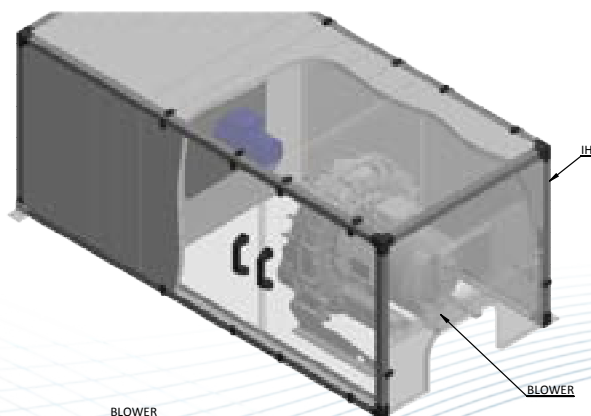
- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FD** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ACCESSORIES FOR BLOWERS - MD TYPE

PRESSURE APPLICATION



ACCESSORIES ARE NOT
ALLOWED TO BE
CONNECTED ON BLOWER
COVER FOR MD TYPE



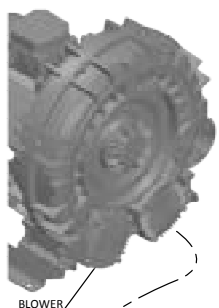
LEGEND

- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FD** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

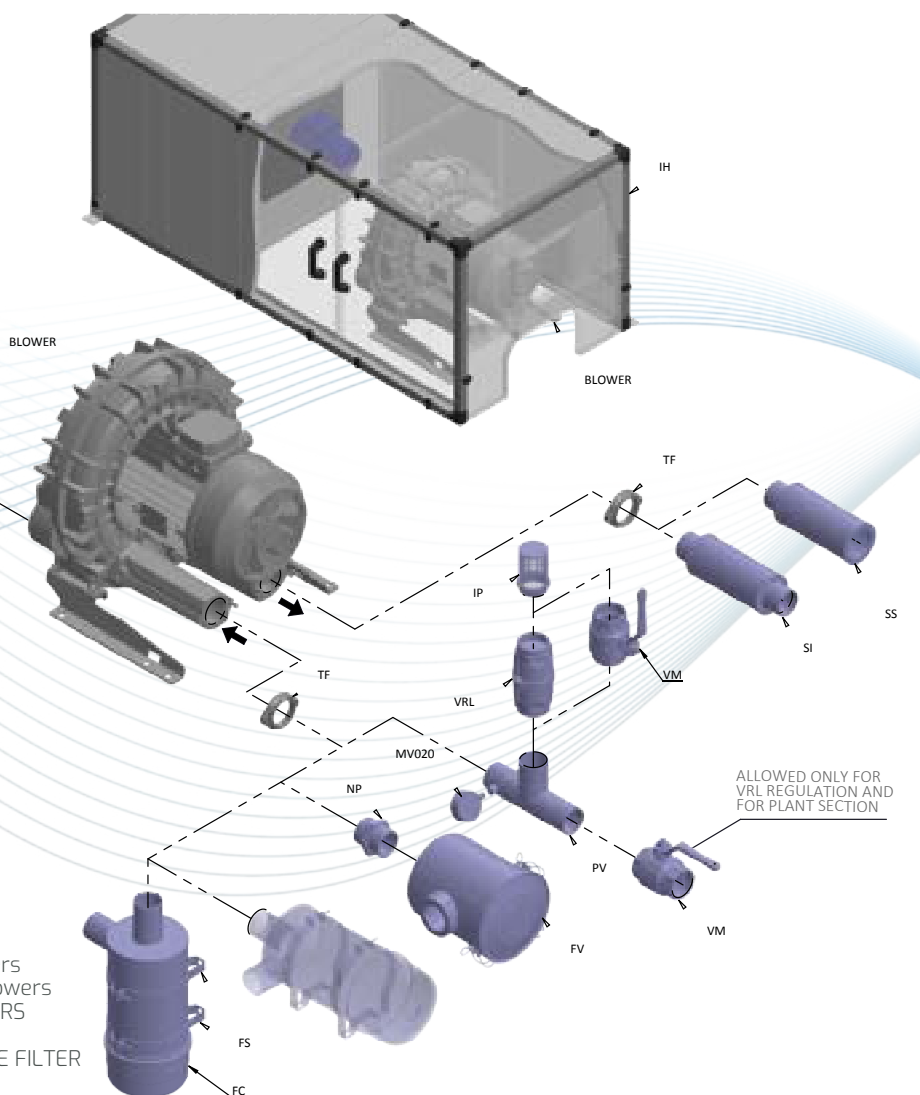
ALLOWED ONLY FOR
VRL REGULATION AND
FOR PLANT SECTION

ACCESSORIES FOR BLOWERS - MD TYPE

VACUUM APPLICATION



ACCESSORIES ARE NOT
ALLOWED TO BE
CONNECTED ON BLOWER
COVER FOR MD TYPE

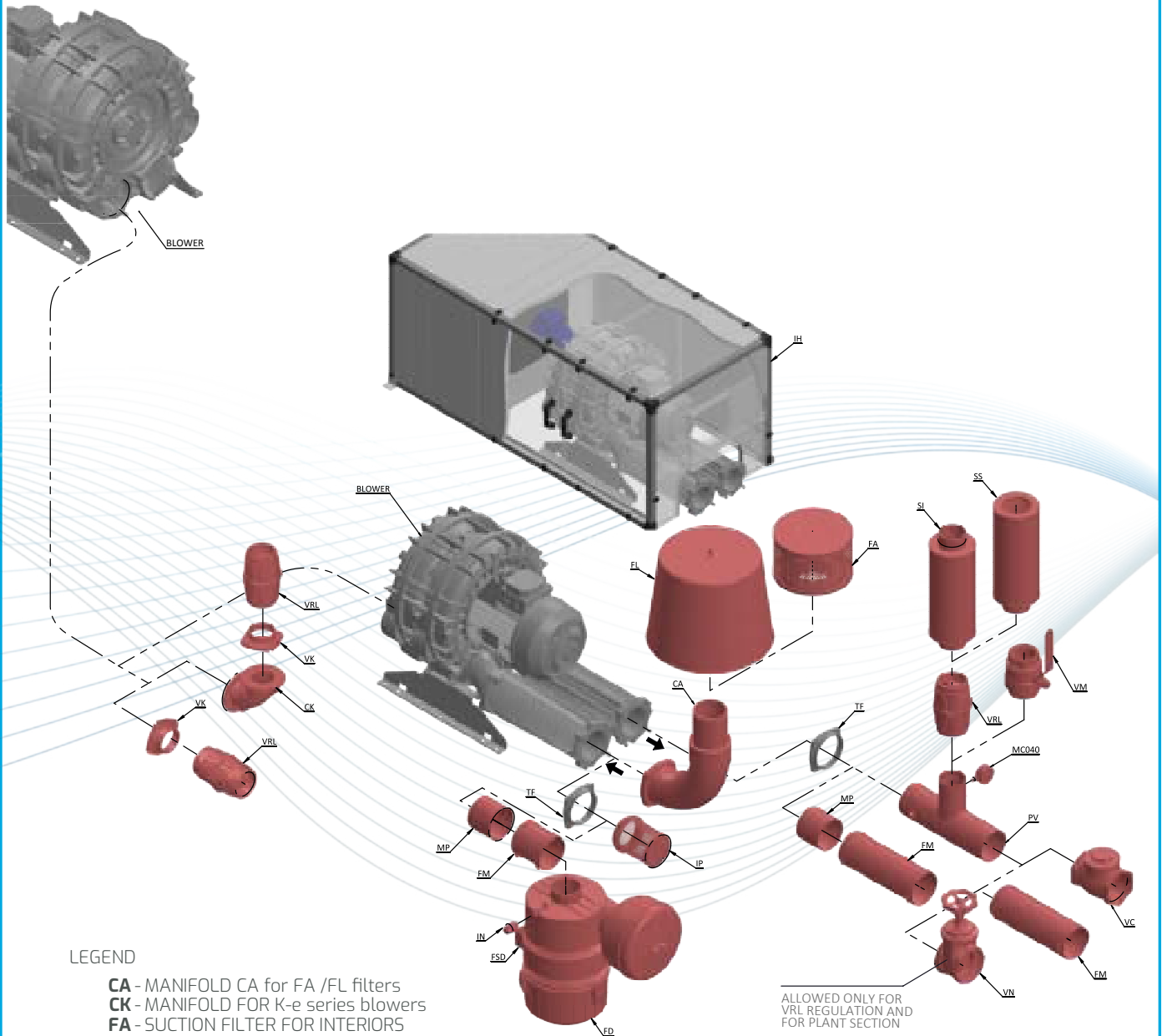


LEGEND

- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FD** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MCD40** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ACCESSORIES FOR BLOWERS - TS TYPE

PRESSURE APPLICATION

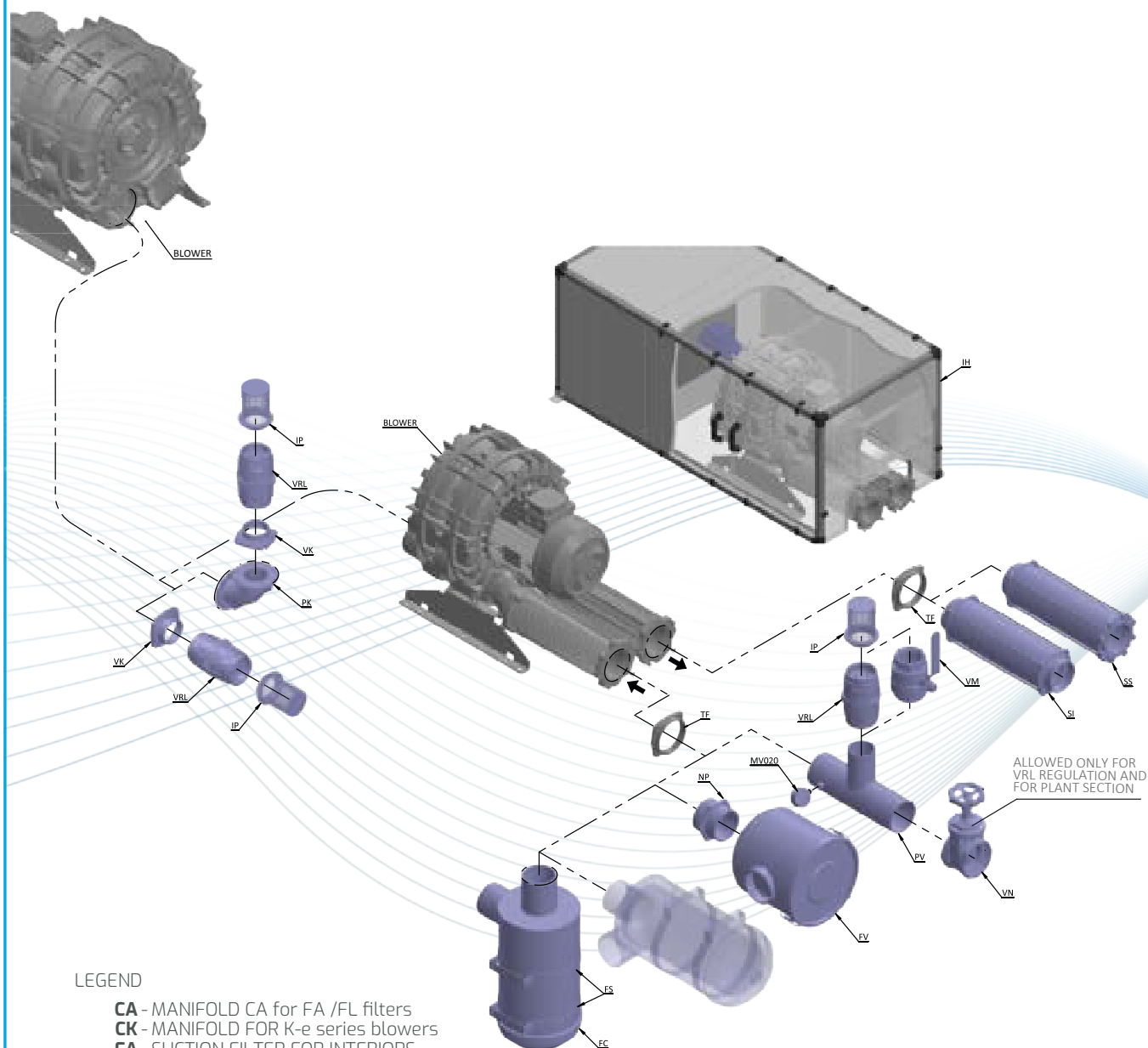


LEGEND

- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FB** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ACCESSORIES FOR BLOWERS - TS TYPE

VACUUM APPLICATION

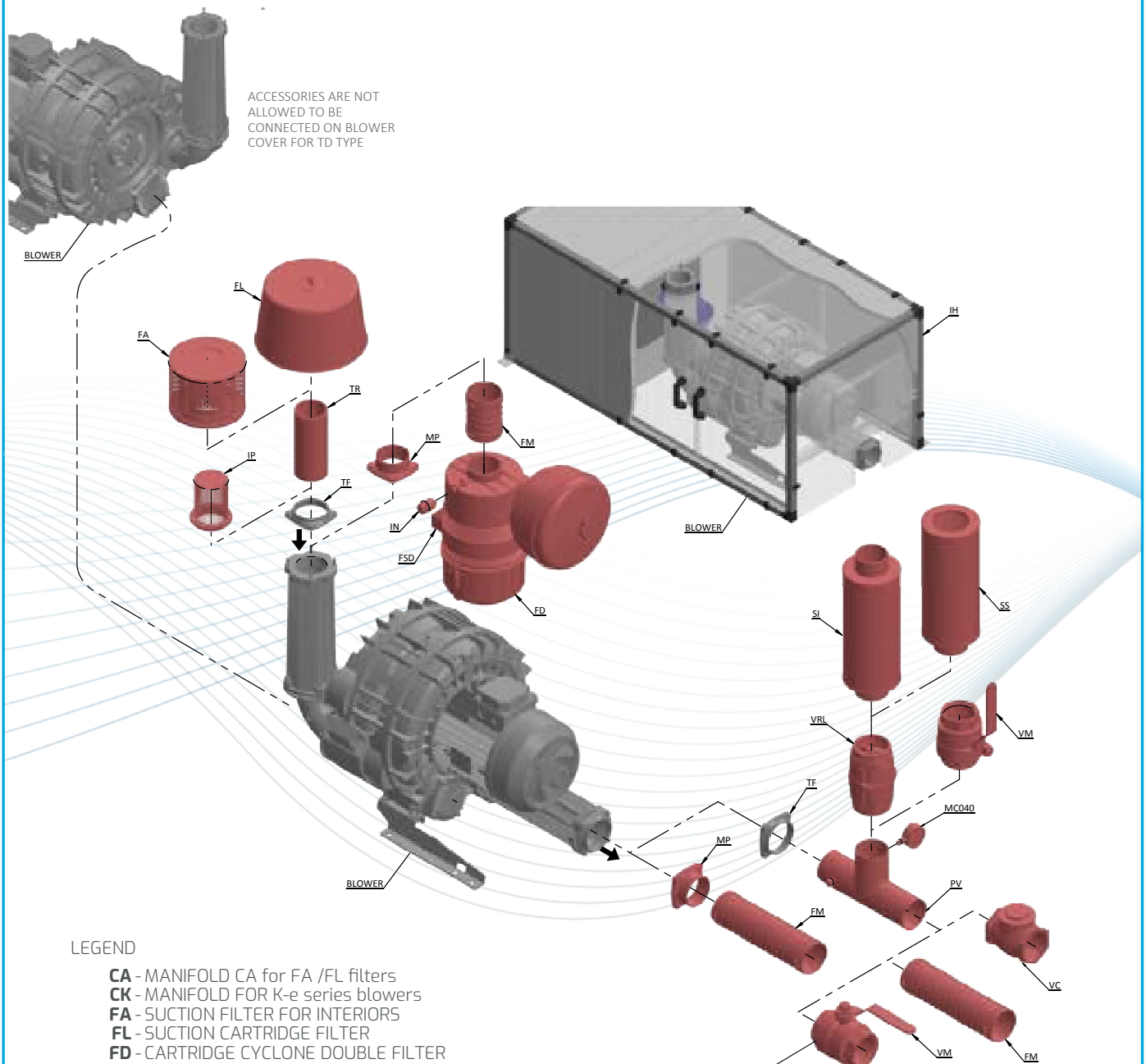


LEGEND

- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FD** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ACCESSORIES FOR BLOWERS - TD TYPE

PRESSURE APPLICATION



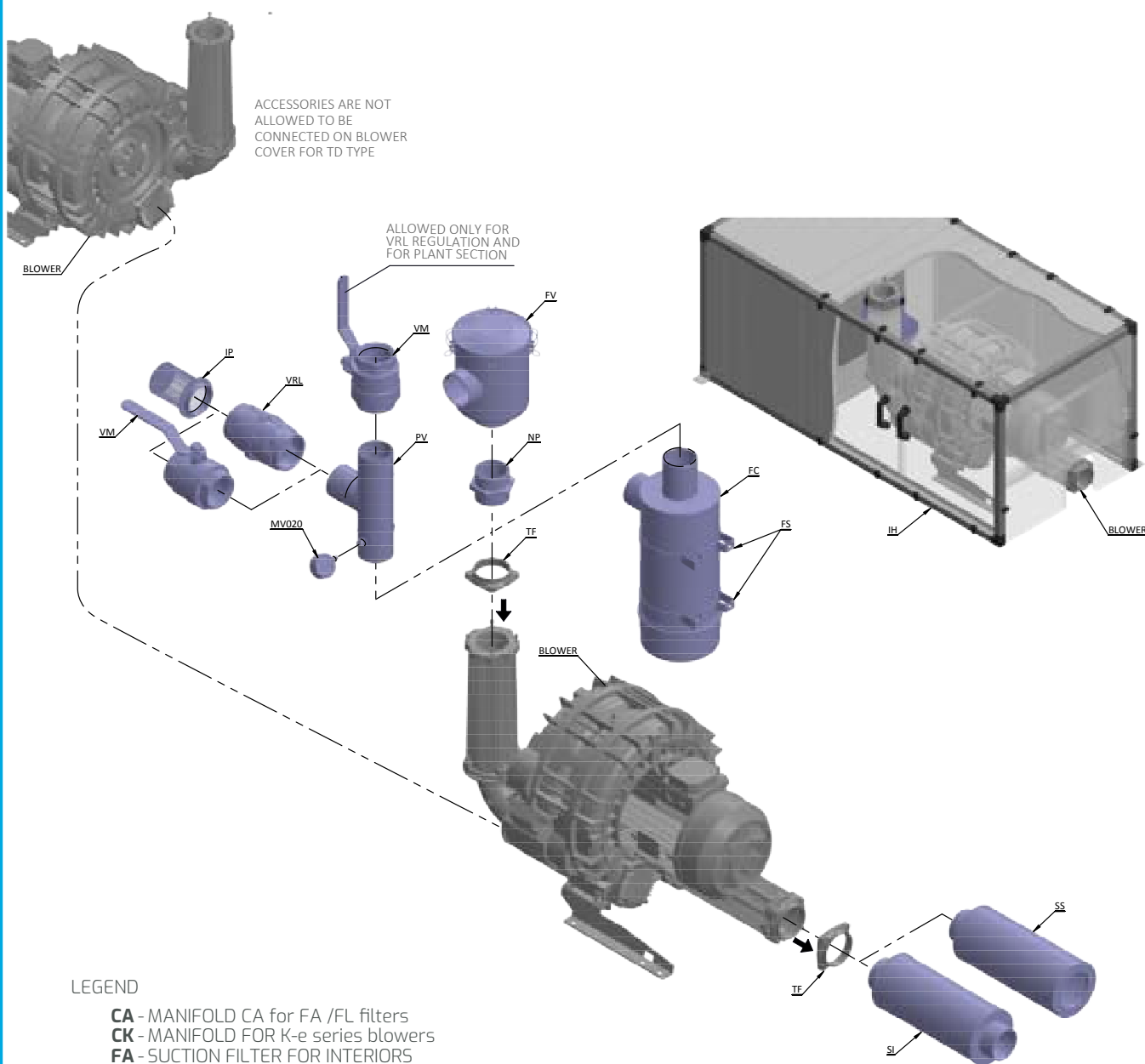
LEGEND

- CA** - MANIFOLD CA for FA /FL filters
- CK** - MANIFOLD FOR K-e series blowers
- FA** - SUCTION FILTER FOR INTERIORS
- FL** - SUCTION CARTRIDGE FILTER
- FD** - CARTRIDGE CYCLONE DOUBLE FILTER
- FM** - FLEXIBLE SLEEVE
- FSD** - BRACKET
- FV** - IN LINE CARTRIDGE FILTER
- IH** - SOUNDPROOF CABIN
- IN** - DUST LOAD INDICATOR
- IP** - INTAKE PROTECTION
- MC040** - PRESSURE GAUGE
- MP** - HOSE SLEEVE
- TF** - THREADED FLANGE
- PK** - HOSE SLEEVE
- PV** - VALVE HOLDER PV
- SI** - IN LINE SUPPLEMENTARY SILENCER
- SS** - FINAL SUPPLEMENTARY SILENCER
- VC** - NON-RETURN VALVE
- VM** - BALL VALVE
- VRL** - RELIEF VALVE
- VK** - FLANGE VK

ALLOWED ONLY FOR
VRL REGULATION AND
FOR PLANT SECTION

ACCESSORIES FOR BLOWERS - TD TYPE

VACUUM APPLICATION

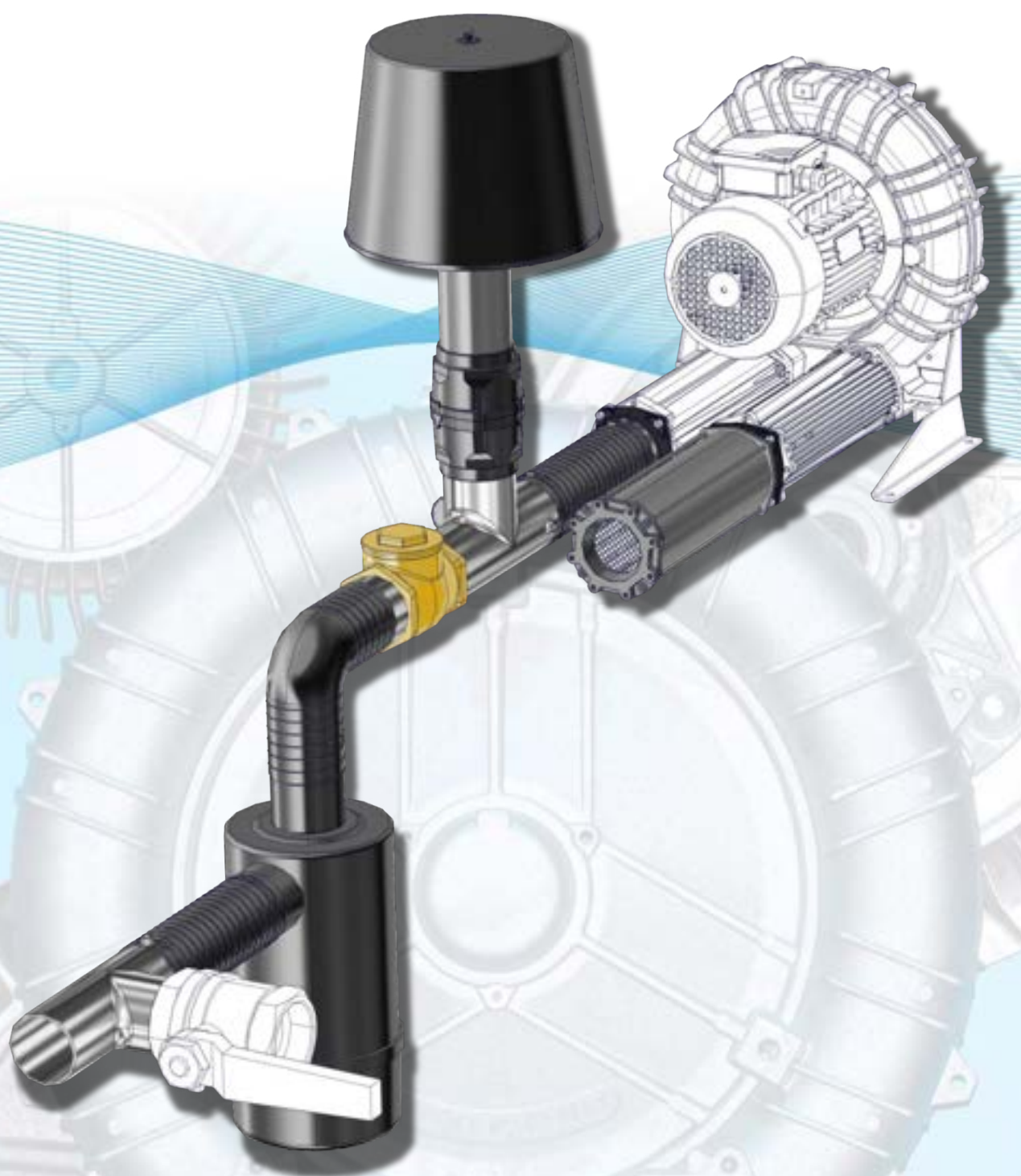


LEGEND

- CA - MANIFOLD CA for FA /FL filters
- CK - MANIFOLD FOR K-e series blowers
- FA - SUCTION FILTER FOR INTERIORS
- FL - SUCTION CARTRIDGE FILTER
- FD - CARTRIDGE CYCLONE DOUBLE FILTER
- FM - FLEXIBLE SLEEVE
- FSD - BRACKET
- FV - IN LINE CARTRIDGE FILTER
- IH - SOUNDPROOF CABIN
- IN - DUST LOAD INDICATOR
- IP - INTAKE PROTECTION
- MCO40 - PRESSURE GAUGE
- MP - HOSE SLEEVE
- TF - THREADED FLANGE
- PK - HOSE SLEEVE
- PV - VALVE HOLDER PV
- SI - IN LINE SUPPLEMENTARY SILENCER
- SS - FINAL SUPPLEMENTARY SILENCER
- VC - NON-RETURN VALVE
- VM - BALL VALVE
- VRL - RELIEF VALVE
- VK - FLANGE VK

ACCESSORIES FOR BLOWERS

DS_ACC_EN_20-01



COMPANY WITH
 QUALITY SYSTEM
 CERTIFIED BY DNV GL
 = ISO 9001 =

ACCESSORIES FOR SIDE CHANNEL BLOWERS - EXHAUSTERS - Technical data

Model	DESCRIPTION	NOTES
CA	MANIFOLD CA for FA /FL filters	Use only in suction, for installing directly on the silencer housing oriented horizontally.
CD	CARTRIDGE CDF	Spare for filter FD.
CF	CARTRIDGE CF	Spare for filter FL.
CK	MANIFOLD FOR K/e series blowers	For installing the silencer housing vertically on the cover. In this case the blind flange will be installed on the body.
CL	CARTRIDGE CL	Spare for filter FC.
CV	CARTRIDGE CV	Spare for filter FV.
FA	SUCTION FILTER FOR INTERIORS	Direct fitting to the blower is possible via SECTION TR on the threaded flange or via MANIFOLD CA for filters.
FC	IN LINE CARTRIDGE CYCLONE FILTER	Sleeves with GAS external thread.
FD	CARTRIDGE CYCLONE DOUBLE FILTER	Hose sleeve connection
FL	SUCTION CARTRIDGE FILTER	Direct fitting to the blower is possible via SECTION TR on the threaded flange or via MANIFOLD CA for filters.
FM	FLEXIBLE SLEEVE	It makes connection of the blower to the plant flexible and use with HOSE SLEEVE MP and PK is foreseen.
FS	BRACKET	Filter FC accessory for rigid fixing.
FSD	BRACKET	Filter FD accessory for rigid fixing.
FV	IN LINE CARTRIDGE FILTER	Sleeves with GAS internal thread.
IH	SOUNDPROOF CABIN	On models IH1, IH3, IH4 and IH5 fixing of the blower and connection via internal kit included is foreseen. Fixing of cabins to the floor is not foreseen. The remaining models have an open bottom and are arranged for fixing to the floor.
IN	DUST LOAD INDICATORS	Available optical or electric version
IP	INTAKE PROTECTION	Also suitable for protecting the inlet of RELIEF VALVE VRL.
MC	PRESSURE GAUGE	For reading the pressure at the discharge. It is installed directly on VALVE HOLDER PV and via adapter (G1/4" - G1/8") on the silencer housing.
MP	HOSE SLEEVE	It replaces THREADED FLANGE TF for use of flexible sleeve FM.
MV	VACUUM GAUGE	For reading the inlet pressure. It is installed directly on VALVE HOLDER PV and via adapter (G1/4" - G1/8") on the silencer housing.
NP	PIPE NIPPLE	Fitting for direct connection of the FV filters to the blower
PK	HOSE SLEEVE	For using FLEXIBLE SLEEVE FM without the silencer housing.
PV	VALVE HOLDER PV	For using RELIEF VALVE VRL and for fitting to the blower via THREADED FLANGE TF (GAS) or via FLEXIBLE SLEEVE FM.
RV	VACUUM BREAKER VALVE	For installing on a derivation of the plant to limit the pressure at the blower inlet.
SI	IN LINE SUPPLEMENTARY SILENCER	For installing directly on THREADED FLANGE TF (GAS) with atmospheric pressure.
SS	FINAL SUPPLEMENTARY SILENCER	For installing directly on THREADED FLANGE TF at the discharge with atmospheric pressure.
TF	THREADED FLANGE	Supplied as standard on all blowers.
TR	SECTION	FILTER FA and FL accessory (spare for FILTER FL).
VC	NON-RETURN VALVE	Supplied separately and for installing on the plant duct.
VM	BALL VALVE	Supplied separately and for installing in branch to the main pipe
VN	GATE VALVE	Supplied separately and for installing in branch to the main pipe
VLA	RELIEF VALVE	For installing on a derivation of the plant to limit the pressure at the blower discharge.
VK	FLANGE VK	For installing RELIEF VALVE VRL replacing the blind flange on the main components of the blower.
VRL	RELIEF VALVE	For fitting directly to the blower via VALVE HOLDER PV or via FLANGE VK.

For more information and details, see the data sheet of the individual accessories in this document.

GENERAL TABLE OF ACCESSORIES for BLOWERS type MS / MD

	MS						MD						
	06R	K03	K04	K05 K06	K07/e07 K75 K08/e08	K09 K10 K11/e11 K12	10DL	15DH	R20 R30	R40	K07R K08R	K09 K10	K11 K12
Ø	1"	1" 1/4	1" 1/2	2"	3"	4"	1/2"	3/4"	1" 1/4		2"	4"	
DN	25	32	40	50	80	100	15	20	32		50	100	
CA	N.A.	4K ⁽¹⁾	5K ⁽²⁾	6V	8	9	N.A.	N.A.	4V	4K ⁽¹⁾	6V	9	
CD	-	-	5	6	8	9	-	-	-		6	9	
CF	4	4	5	6	8	9	1	4	4		6	9	
CK	N.A.	-	5	6	8	9	N.A.	N.A.	N.A.		N.A.	N.A.	
CL	-	-	5	6	8	9	-	-	-		6	9	
CV	-	-	5	6	6	9	-	-	-		6	9	
FA	-	4	5	6	8	9	-	-	4		6	9	
FC	-	-	5	6	8	9	-	-	-		6	9	
FD	-	-	5	6	8	9	-	-	-		6	9	
FL	3	4	5	6	8	9	1	2	4		6	9	
FM	3	4	5	6	8	9	1	2	4		6	9	
FS/FSD	-	-	5	6	8	9	-	-	-		6	9	
FV	-	4	5	6	8	9	-	-	4		6	9	
IH	-	1 ⁽¹⁾	3 ⁽²⁾	5	7	10	-	-	4 ⁽¹⁾		7R	10	
IN	-	-	50	50	50	50	-	-	-		50	50	
IP	-	4 6 ⁽⁴⁾	5 6 ⁽⁴⁾	6	6 ⁽⁴⁾ 8	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	-	-	4 6 ⁽⁴⁾		6	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	
MC	040	040	040	040	040	040	040	040	040		050	050	
MP	3	4V	5V	6	8	9	1	2	4V		6	9	
MV	020	020	020	020	020	020	020	020	020		020	020	
NP	-	4	5	6	8	9	-	-	4		6	9	
PK	N.A.	-	5	6	8	9	N.A.	N.A.	N.A.		6A	9	
PV	-	56 ⁽³⁾⁽⁷⁾	56	66	86 ⁽⁴⁾ 88	96 ⁽⁴⁾ 98 ⁽⁵⁾ 99	-	-	56 ⁽³⁾		66	96 ⁽⁴⁾	96 ⁽⁴⁾ 98 ⁽⁵⁾
RV	3 ⁽⁸⁾	-	-	-	-	-	3 ⁽⁸⁾	3 ⁽⁸⁾	-		-	-	
SI	-	4	5	6	8	9	-	-	4		6	9	
SS	-	4	5	6	8	9	-	-	4		6	9	
TF	-	4V	5V	6	8	9	-	-	4V 5V ⁽³⁾		6	9	
TR	-	4	5	6	8	9	-	-	4		6	9	
VC	3	4	5	6	8	9	1	2	4 5 ⁽⁴⁾		6	9	
VLA	3 ⁽⁸⁾	-	-	-	-	-	3 ⁽⁸⁾	3 ⁽⁸⁾	-		-	-	
VK	N.A.	N.A.	5	6	6A ⁽⁴⁾ 8	9	N.A.	N.A.	N.A.		6A ⁽⁶⁾	9 ⁽⁶⁾	
VRL	-	6	6	6	6 8	6 8 9	-	-	6		6 6HP	6 6HP	6 6HP 8

- (1) Manifold CA4V is also suitable if installation in soundproof cabin IH is foreseen
 (2) Manifold CA5V is also suitable if installation in soundproof cabin IH is foreseen.
 (3) The use of valve VRL6 is required
 (4) Necessary if valve VRL6 is used
 (5) Necessary if valve VRL8 is used
 (6) Applicable only at the inlet for blowers K-MD
 (7) It's necessary to use the reduction 25RID-FM54
 (8) Accessory to be installed on the system

GENERAL TABLE OF ACCESSORIES for BLOWERS type TS/TD

	TS				TD				
	K05-66	K05 K06	K07/e07 K08/e08	K09 K10 K11/e11 K12	K04	K05 K06	K07/e07 K08/e08	K09 K10	K11/e11 K12
Ø	2"	3"	4"	5"	1" 1/2	2"	3"	4"	
DN	50	80	100	125	40	50	80	100	
CA	6V	8	9	10	N.A.	N.A.	N.A.	N.A.	
CD	6	8	9	-	5	6	8	9	
CF	6	8	9	9	5	6	8	9	
CK	6	8	9	10	N.A.	N.A.	N.A.	N.A.	
CL	6	8	9	-	5	6	8	9	
CV	6	6	9	10	5	6	6	9	
FA	6	8	9	10	5	6	8	9	
FC	6	8	9	-	5	6	8	9	
FD	6	8	9	-	5	6	8	9	
FL	6	8	9	10	5	6	8	9	
FM	6	8	9	10	5	6	8	9	
FS/FSD	6	8	9	-	5	6	8	9	
FV	6	8	9	10	5	6	8	9	
IH	-	-	9	13	-	-	8	11	12
IN	50	50	50	50	50	50	50	50	
IP	6	6 ⁽⁴⁾ 8 ⁽⁵⁾	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	9	5 6 ⁽⁴⁾	6	6 ⁽⁴⁾ 8	6 ⁽⁴⁾ 8 ⁽⁵⁾ 9	
MC	040	040	040	040	040	040	040	050	
MP	6	8	9	10	5V	6	8	9	
MV	020	020	020	020	020	020	020	020	
NP	6	8	9	-	5	6	8	9	
PK	6	8 ⁽⁹⁾	9 ⁽⁹⁾	9	5	6	8	9	
PV	66	86 ⁽⁴⁾ 88	96 ⁽⁴⁾ 98 ⁽⁵⁾ 99	109	56	66	86 ⁽⁴⁾ 88	96 ⁽⁴⁾ 98 ⁽⁵⁾	96 ⁽⁴⁾ 98 ⁽⁵⁾ 99
RV	-	-		-	-	-	-	-	
SI	6	8	9	-	5	6	8	9	
SS	6	8	9	-	5	6	8	9	
TF	6	8	9	10	5V	6	8	9	
TR	6	8	9	10	5	6	8	9	
VC	6	8	9	10	5	6	8	9	
VLA	-	-	-	-	-	-	-	-	
VK	6	6 8 ⁽⁹⁾	6A ⁽⁴⁾ 8 ⁽⁵⁾ 9 ⁽⁹⁾	9	N.A.	N.A.	N.A.	N.A.	
VRL	6	6 8	6 8 9	9	6	6	6 6HP 8	6 6HP 8	6 8 9

- (4) Necessary if valve VRL6 is used
 (5) Necessary if valve VRL8 is used
 (9) It's also necessary to use the TS manifold

SUCTION FILTER FOR INTERIORS - FA

Standard version: filter element in paper.

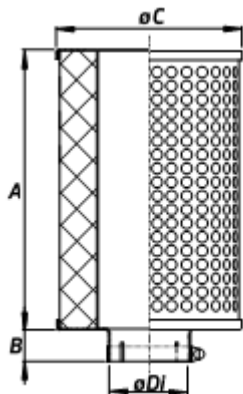
- Filter complete with connector clamp.

Available on request:

- Section in PVC, Model "TR4 ÷ TR10"
- Other filter elements with different degrees of filtration (see table below)
- Manifold with wide-radius curve "CA" type for use of filter vertically (applicable for MOR/GOR blowers)

DIMENSIONS (FA)

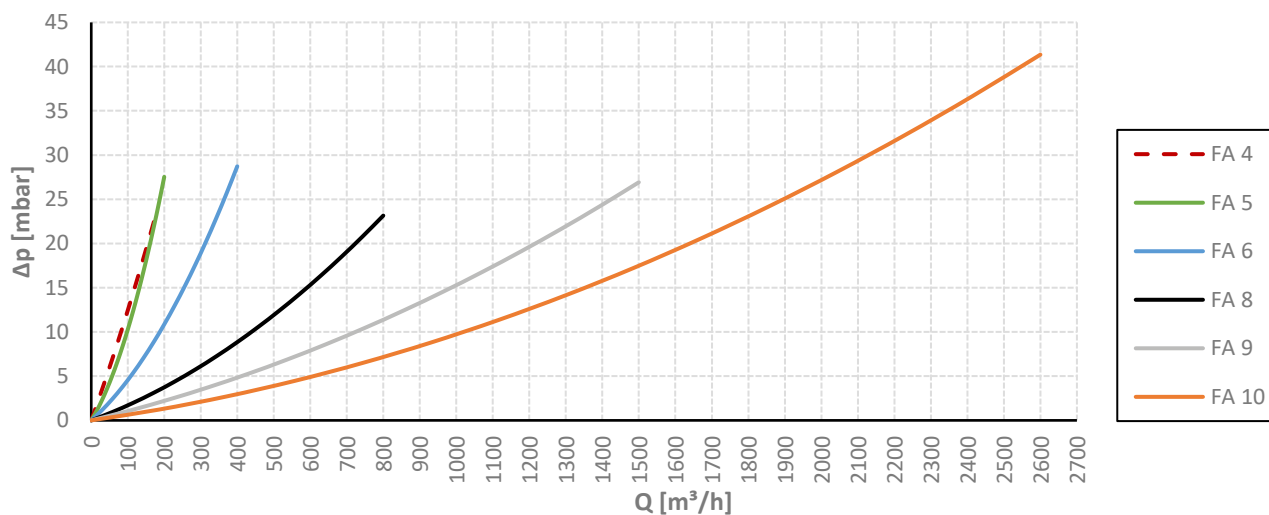
FILTER	Model	DN	A	B	øC	øDi	FLOW RATE Δp 20 mbar [m³/h]	Weight [kg]
	FA 4	32	125	11	125	42	150	0,63
	FA 5	40	214	11	150	48,5	160	1,04
	FA 6	50	214	15	150	61,5	310	1,00
	FA 8	80	150	16	201,5	91	720	1,38
	FA 9	100	160	22	256	114	1200	2,27
	FA 10	125	160	28	256	141	1600	2,20



(*) – Standard version filter dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10

FA



Flow rates detected with paper filter

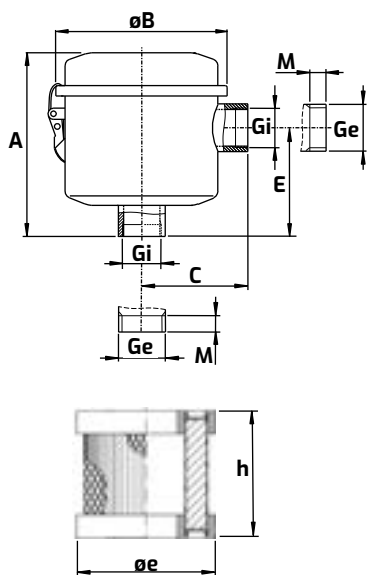
IN LINE CARTRIDGE FILTER - FV

Standard version: filter element in paper.

- Container in painted steel with GAS threaded sleeves.

Available on request:

- other filter elements with different degrees of filtration (see table below)



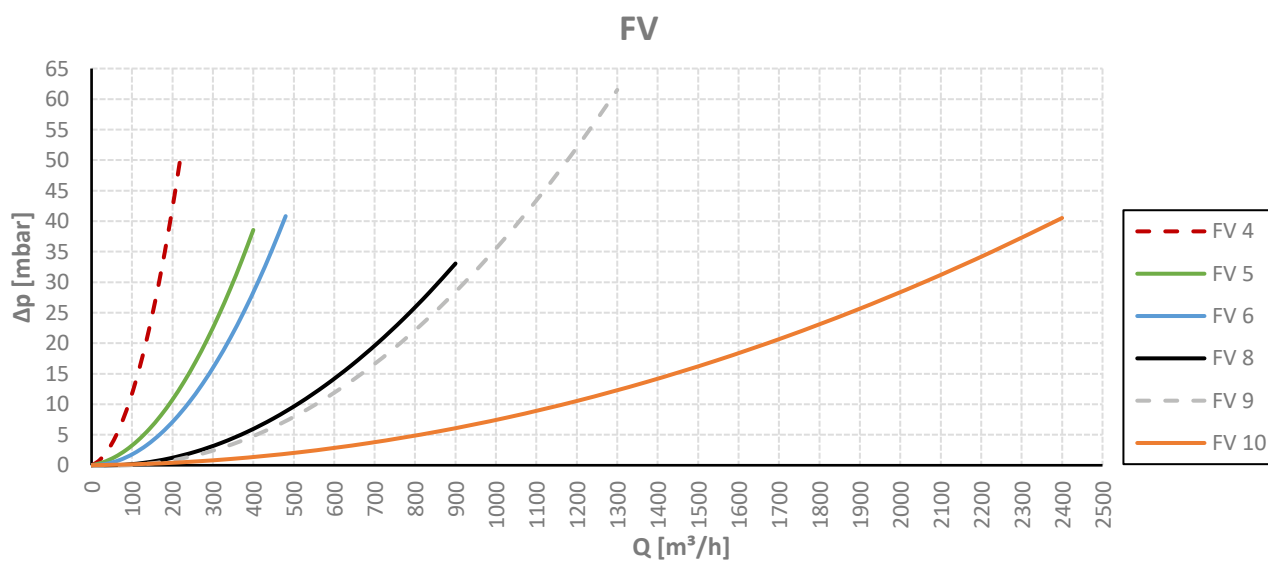
DIMENSIONS (FV)

	Model	DN	A	øB	C	E	Gi	Ge	M	FLOW RATE Δp 20 mbar [m³/h]	Weight [kg]
FILTER	FV4	32	99.5	135	77.5	52	G 1" 1/4	-	-	130	1,01
	FV 5	40	180	172	100	105	G 1" 1/2	-	-	280	2,10
	FV 6	50	256	201.5	115	131	G 2"	-	-	330	4,65
	FV 8	80	285	201.5	112	160	G 3"	-	-	700	3,44
	FV 9	100	325	304	200	200	G 4"	-	-	750	7,15
	FV 10	125	690	470	265	495	-	G 5"	40	1670	54,00

	Model	FILTER	øe	h	Weight * [kg]
CARTRIDGE	CV4	FV 4	98	71	0,15
	CV 5	FV 5	127	155	0,53
	CV 6	FV 6 / FV 8	150	215	0,87
	CV 9	FV 9	224	280	0,50
	CV10	FV 10	250	240	1,60

(*) – Standard version filter/cartridge dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10
Stainless steel	60



Flow rates detected with paper filter.

SUCTION CARTRIDGE FILTER - FL

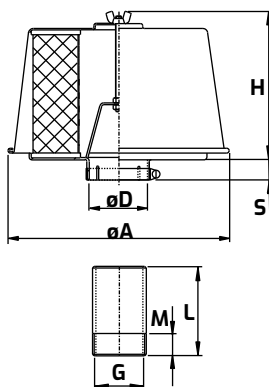
Standard version: filter element in paper.

- Complete with painted steel cover to protect the filter element from atmospheric agents.
- Clamp and section in PVC for mounting, supplied.

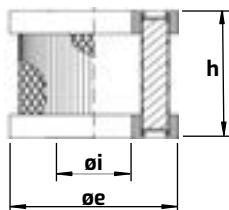
Available on request:

- other filter elements with different degrees of filtration (see table below)
- Manifold with wide-radius curve "CA" type for use of filter vertically (applicable for MOR/GOR blowers)

DIMENSIONS (FL)



FILTER	Model	DN	ϕA	ϕD	H	S	G	L	M	FLOW RATE Δp 20 mbar (m ³ /h)	Weight (kg)
	FL 1	15	82	21.5	71	21	G 1/2"	100	15	19	0,20
	FL 2	20	150	27	107	22	G 3/4"	130	15	50	0,60
	FL 3	25	150	34	107	16	G 1"	140	15	75	0,62
	FL 4	32	150	43	107	17	G 1" 1/4	200	15	120	0,61
	FL 5	40	203	48.5	153	14	G 1" 1/2	200	15	140	1,32
	FL 6	50	220	61.5	159	17	G 2"	200	15	250	1,56
	FL 8	80	290	89.5	184	35	G 3"	200	20	680	2,60
	FL 9	100	410	115.5	335	35	G 4"	200	20	1330	6,75
	FL 10	125	410	141	335	35	G 5"	200	30	1620	6,70

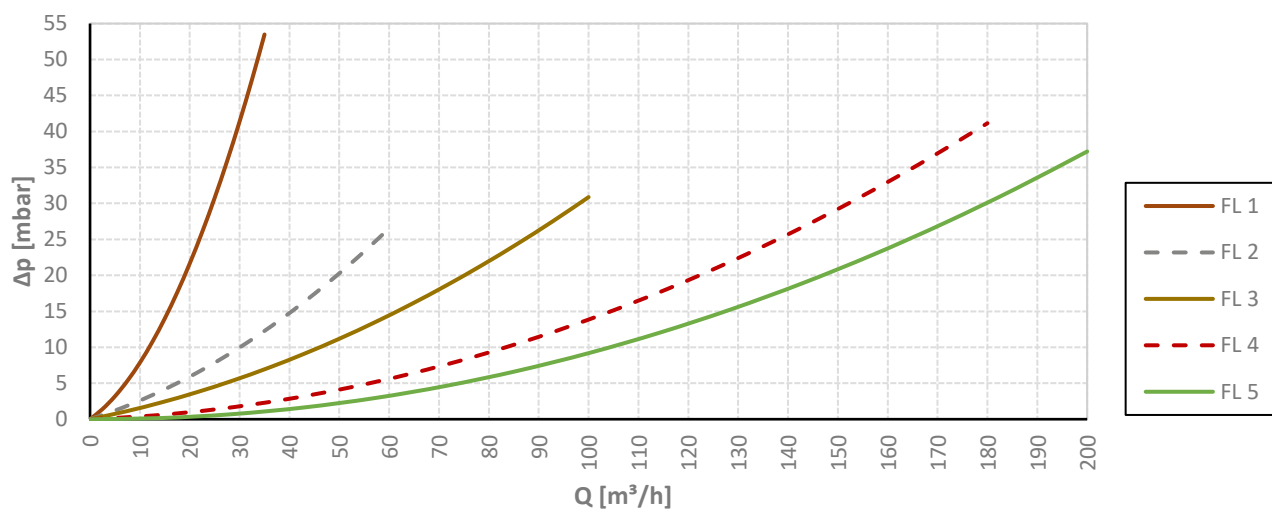


CARTRIDGE	Model	FILTER	ϕe	ϕi	h	Weight * (kg)
	CF 1	FL 1	55	25	54	0,05
	CF 4	FL 2	108	55	82	0,20
		FL 3				
		FL 4				
	CF 5	FL 5	147	80	135	0,43
	CF 6	FL 6	176	80	135	0,60
	CF 8	FL 8	225	100	155	1,00
	CF 9	FL 9	300	215	303	1,90
		FL 10				

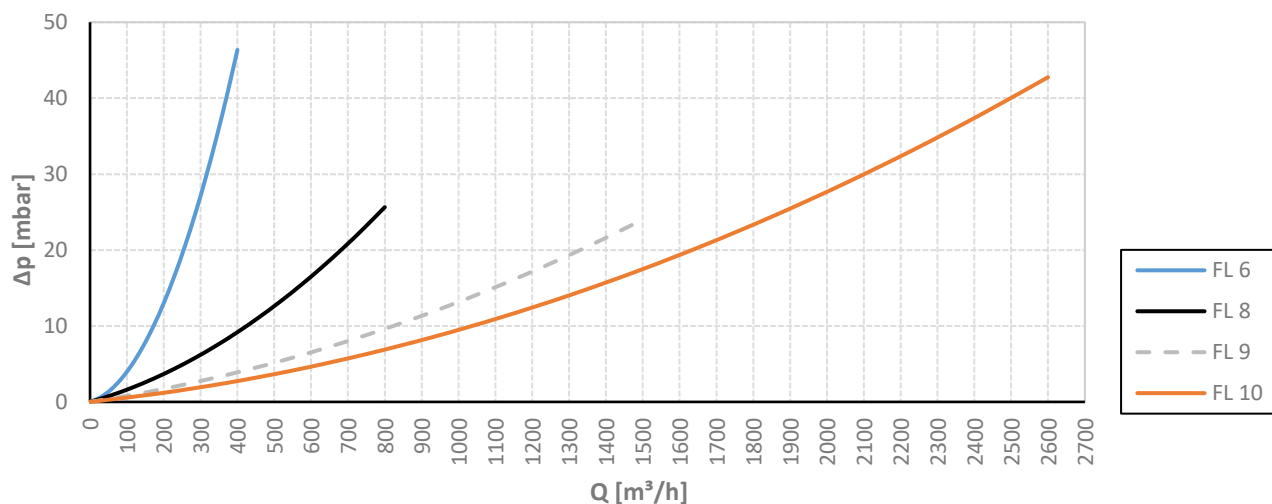
(*) – Standard version filter/cartridge dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10
Stainless steel	60

FL1 - FL2 - FL3 - FL4 - FL5



FL6 - FL8 - FL9 - FL10



Flow rates detected with paper filter

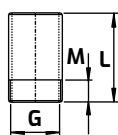
SECTION (for "FA / FL" FILTERS) – TR

Section in PVC

Operating temperature: -20/+40 °C (-5 ÷ +105 °F).

- Available as a replacement for Model "FL" filters
- Available as on request for Model "FA" filters

DIMENSIONS (TR)



SECTION	Model	DN	G	L	M	Weight [kg]
	TR 1	15	G 1/2"	100	15	0.02
	TR 2	20	G 3/4"	130	15	0.04
	TR 3	25	G 1"	140	15	0.06
	TR 4	32	G 1" 1/4	200	15	0.14
	TR 5	40	G 1" 1/2	200	15	0.16
	TR 6	50	G 2"	200	15	0.22
	TR 8	80	G 3"	200	20	0.39
	TR 9	100	G 4"	200	20	0.50
	TR 10	125	G 5"	200	30	1.23

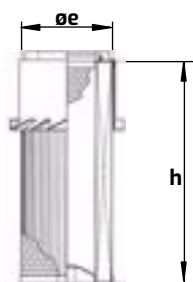
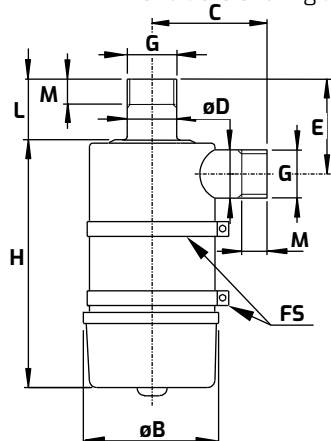
IN LINE CARTRIDGE CYCLONE FILTER - FC

Standard version: filter element in paper.

- Container in painted steel with GAS threaded sleeves
- The shape of the filter and a finned insert in plastic material ensure a high cyclonic effect, preserving the filter element.

Available on request:

- other filter elements with different degrees of filtration (see table below)
- "FS" brackets for rigid fixing.



DIMENSIONS (FC)

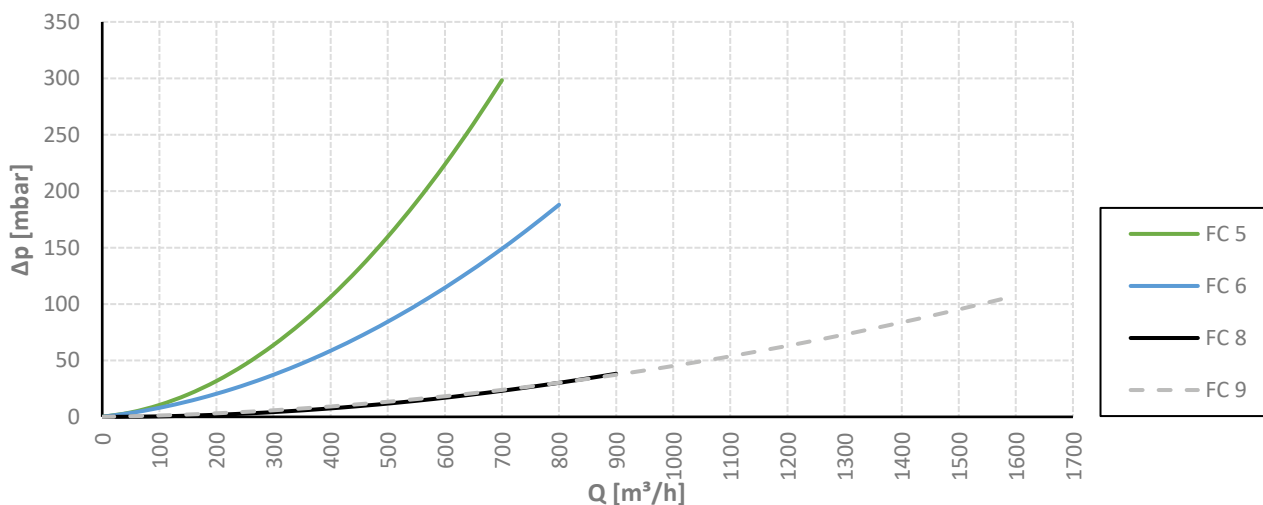
	Model	DN	øB	C	øD	E	G	H	L	M	FLOW RATE Δp 20 mbar (m³/h)	Weight (kg)
FILTER	FC 5	40	146	131.5	48	129.5	G 1" 1/2	304.5	90.5	25	170	2.37
	FC 6	50	178	154.5	60	141.5	G 2"	332.5	98.5	22	240	3.39
	FC 8	80	220	160	88	171.5	G 3"	444	108.5	22	440	5.24
	FC 9	100	276	230	114	208	G 4"	484	135	22	730	9.14

	Model	FILTER	øe	h	Weight * (kg)
CARTRIDGE	CL 5	FC 5	104	264	0.51
	CL 6	FC 6	134	290	0.93
	CL 8	FC 8	155	395	1.50
	CL 9	FC 9	202	421	2.11

(*) – Standard version filter/cartridge dimensions and characteristic data

Filter Element Material	Degree of Filtration - Nominal [μm]
Paper	25
Polyester	10

FC



Flow rates detected with paper filter

CARTRIDGE CYCLONE DOUBLE FILTER – FD

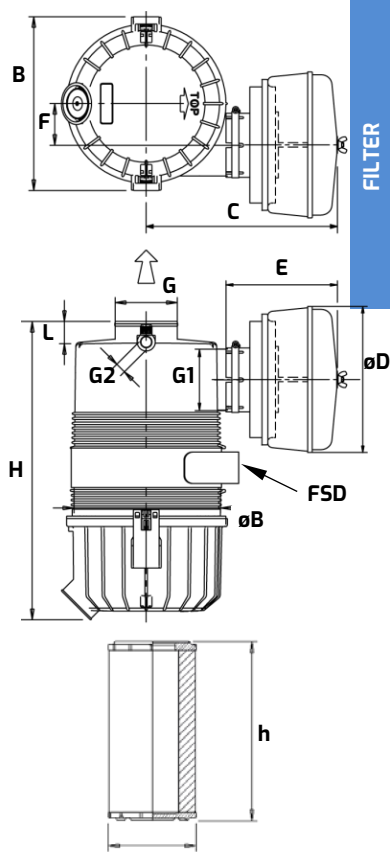
Standard version: filter element in paper, Nominal degree of filtration 25 µm.

- Plastic Container
- Conformation of the filter with tangential inlet from the environment
- With cyclone pre-cleaner, than through the centrifugal deflectors system achieves a first step of separation dust until 75-85%

Available on request:

- "FSD" brackets for rigid fixing.

DIMENSIONS (FD)

	Mod	DN	B	øB	C	øD	E	F	G	G1	G2	H	L	FLOW RATE Δp 20 mbar (m³/h)	Weight (kg)
	FD 5	40	180	146	205	143	135	45	51	51	G1/8" M	340	25	160	1,75
	FD 6	50	207	175	216	143	135	54	63.5	63.5	G1/8" M	359	28	235	1,95
	FD 8	80	247	212	295	270	191	56	89	95	G1/8" M	397	25	400	2,93
	FD 9	100	302	268	336	270	191	75	101	114	G1/8" M	486	41	600	4,42

	Mod	FILTER	øe	øi	h	Weight* (kg)
	CD 5	FD 5	105	61	296	0,40
	CD 6	FD 6	128	84	311	0,55
	CD 8	FD 8	162	90	342	0,93
	CD 9	FD 9	206	106.5	418	1,56

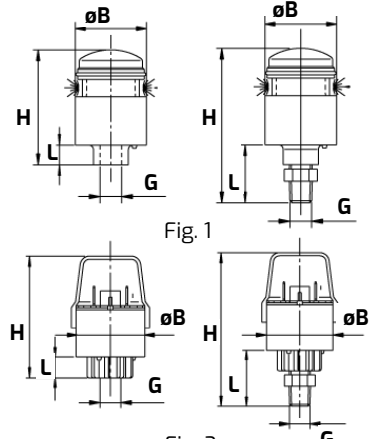
(*) – Standard version filter/cartridge dimensions and characteristic data

DUST LOAD INDICATORS (for filter "FD") – IN

The optical / electrical clogging indicators indicate when the maintenance of the air filter is recommended, to protect and optimize the functionality of the filter. IP44 with Female thread for FD filter

Available with Male thread (Installation of filter FA-FL by customer care)

DIMENSIONS (IN)

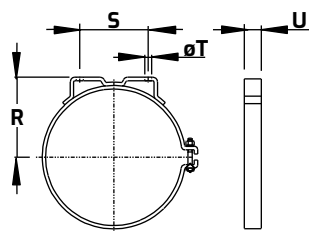
	Mod	SIGNAL	Fig	øB	H	L	G	Calibration (mbar)
	IN50M	OPTICAL	1	32.5	55	10	G 1/8" F	50
	IN50F	OPTICAL	1	32.5	72	28	G 1/8" M	50
	IN50ME	ELECTRIC	2	32.5	59	10	G 1/8" F	50
	IN50FE	ELECTRIC	2	32.5	76	28	G 1/8" M	50

(*) - electrical contact normally open

BRACKET (for filter "FC/ FD") – FS / FSD

Galvanised metal bracket for rigid fixing

- Filter accessory for rigid fixing



BRACKET	DIMENSIONS (FS/FSD)					
	Mod	FILTER	R	S	T	U
	FS 5	FC 5	80	79	13x9	20
	FSD 5	FD 5	90	80	Ø9	50
	FS 6	FC 6	100	95	13x9	22
	FSD 6	FD 6	102	90	Ø9	50
	FS 8	FC 8	120	107	13x9	25
	FSD 8	FD 8	120	110	Ø9	50
	FS 9	FC 9	146	127	Ø11.5	32
	FSD 9	FD 9	148	127	11	80

MANIFOLD - CA (for "FA /FL" filters)

90° manifold in PVC with wide-radius curve, flanged end for fixing to the blower and smooth terminal for filter.

Operating temperature: -20/+40 °C (-5 ÷ +105 °F).

DIMENSIONS (CA)

Model	DN	A	B	øD	I	M	R	S	γ	Fig.	Weight (kg)
CA 4	32	220	90	42	75	7	80	15	30°	1	0.22
CA 4V	32	220	90	42	64	7	80	15	-	2	0.22
CA 4K	32	260	160	42	64	7	80	15	-	2	0.32
CA 5	40	260	110	48	85	7	100	15	45°	1	0.43
CA 5V	40	260	110	48	75	7	100	15	-	2	0.43
CA 5K	40	300	180	48	75	7	100	15	-	2	0.55
CA 6	50	320	135	60	85	7	126	15	45°	1	0.73
CA 6V	50	320	135	60	85	7	126	15	-	2	0.73
CA 8	80	380	185	88.5	120	7	180	15	-	3	1.60
CA 9	100	400	235	113.9	150	9	220	20	-	3	3.14
CA 10	125	450	300	140	210	18	280	20	-	3	5.88

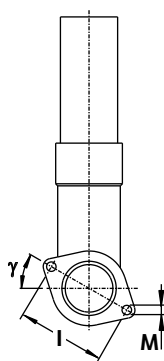
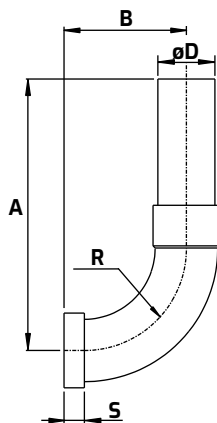


Fig. 1

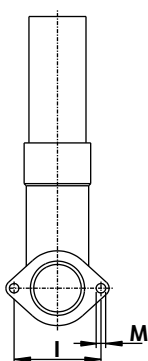


Fig. 2

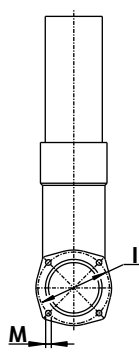
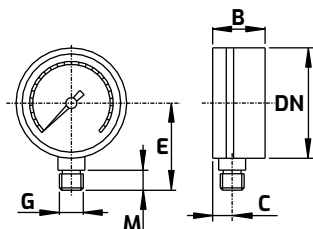


Fig. 3

PRESSURE GAUGE/VACUUM GAUGE – MC / MV

Pressure gauge built according to UNI EN 837.1 – BLACK painted metal case – IP55 – Cylindrical radial connection (ISO 228) – Dial in aluminium, white background

Operating values: Operating temperature -10°C to + 60°C
Overpressure: 25% (according to EN837.1)



DIMENSIONS (MC/MV)

Model	Δp mbar	ACCURACY	DN	B	C	E	G	M	Weight [g]
MC 040	0 ÷ 600	1.6%	63	27	10	54	G 1/4"	13	99
MC 050	0 ÷ 1000	1.6%	63	27	10	54	G 1/4"	13	99
MV 020	-600 ÷ 0	1.6%	63	27	10	54	G 1/4"	13	99

FLEXIBLE SLEEVE

Features:

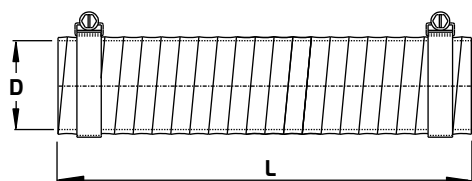
- Extremely flexible - Smooth internally - Resists twisting - Good chemical resistance - Steel spring solidly embedded in the fabrics

Structure:

- Tube wall: neoprene-coated double fibreglass fabric - Spiral: steel wire spring - Reinforcement: double hollow in fibreglass

Supplied with pair of clamps.

Operating temperature (continuous): -35 ÷ +135 °C (-31 ÷ +275 °F).



DIMENSIONS (FM)

Model	DN	D	L
FM 1	15	22	200
FM 2	20	30	200
FM 3	25	32	200
FM 4	32	45	200
FM 4C	32	45	110
FM 5	40	51	250
FM 5C	40	51	130
FM 6	50	64	250
FM 6C	50	64	135
FM 8	80	90	330
FM 9	100	114	330
FM 10	125	140	330

CHARACTERISTIC DATA (FM)

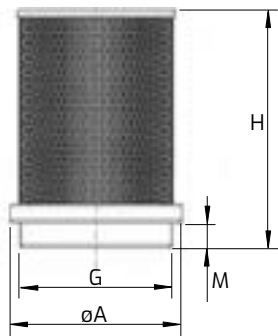
Model	min. radius of curvature [mm]	max. pressure [bar]	max. negative pressure [mbar]	Weight [g]
FM 1	15	2.8	650	60
FM 2	15	2.8	650	65
FM 3	16	2.6	650	90
FM 4	21	2.6	560	135
FM 4C	21	2.6	560	85
FM 5	24	2.6	520	180
FM 5C	24	2.6	520	100
FM 6	31	2.4	480	200
FM 6C	31	2.4	480	120
FM 8	44	2.0	400	250
FM 9	57	1.6	290	370
FM 10	70	1.3	190	400

INTAKE PROTECTION - IP

Filter for VRL.

Stainless steel mesh and polymer threaded sleeve.

Available with NPT thread only for sizes DN80 and DN100.



DIMENSIONS (IP)

Model	DN	øA	G	H	M	Degree of filtration	Weight [g]
IP4	32	50	G 1" 1/4	75	10	1200 µm	38
IP5	40	56	G 1" 1/2	83	11	1200 µm	47
IP6	50	69	G 2"	98	13	1200 µm	70
IP8	80	102	G 3"	138	15	2000 µm	194
IP8 N	80	102	3" NPT	138	15	2000 µm	194
IP9	100	129	G 4"	153	16	2000 µm	300
IP9 N	100	129	4" NPT	153	16	2000 µm	300

HOSE SLEEVE - MP

Flange with hose collar in aluminium alloy or steel.

Its use replaces the threaded flange on the silencer housing. (the only exception is the sleeve as in fig.4).

Sleeves MP 1, MP 2, MP 9 are installed on the respective threaded flange.

DIMENSIONS (MP)

Model	DN	øD	G	H	I	L	M	R	S	Fig.	Weight [kg]
MP 1	15	21	G 1/2"	100	-	85	-	-	-	4	0.10
MP 2	20	27	G 3/4"	100	-	85	-	-	-	4	0.12
MP 3	25	32	-	35	54.5	25	-	6.5	-	1	0.06
MP 4	32	42	-	35	75	25	-	6.5	-	1	0.07
MP 4V	32	42	-	35	64	25	-	6.5	-	1	0.07
MP 5	40	48	-	35	85	25	-	6.5	-	1	0.10
MP 5V	40	48	-	35	75	25	-	6.5	-	1	0.10
MP 6	50	60	-	35	85	25	-	6.5	-	1	0.12
MP 8	80	88	-	45	120	32	-	6.5	-	2	0.24
MP 9	100	114	G 4"	100	-	80	-	-	-	4	0.88
MP 10	125	140	-	62	210	52	-	17	-	2	2.40
MP 10 G	125	-	G 5"	62	210	-	35	17	10	3	2.40
MP 10 N	125	-	5" NPT	62	210	-	35	17	10	3	2.40

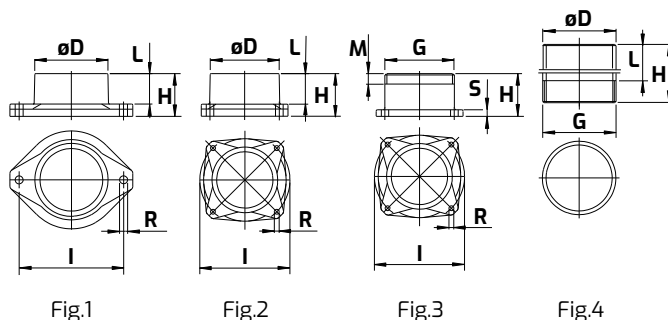


Fig.1

Fig.2

Fig.3

Fig.4

HOSE FLANGE FOR BLOWER K/e - PK

Flange in aluminium alloy with hose collar, also available painted RAL 7016.

Supplied with mounting kit (gasket and screws plus wrench).

Allows the connection of K/e series blowers to the system, without the use of the silencer housing as specified below:

- blower K/e-MS/TS/TD applicable in delivery and in suction;
- blower K-MD applicable only on the cover in suction

DIMENSIONS (PK)

Model	DN	øD	H	I	L	R	S	Fig.	Weight [g]
PK 5	40	48	30	92	20	6.5	10	1	90
PK 6	50	60	50	110	35	8.5	10	1	270
PK 6A	50	60	60	130	35	9	11	2	335
PK 8	80	88	43	130	24	9	11	2	300
PK 9	100	113	46	150	27	9	11	2	385

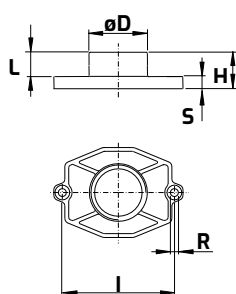


Fig. 1

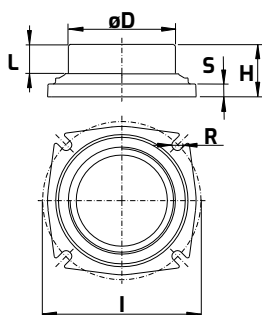
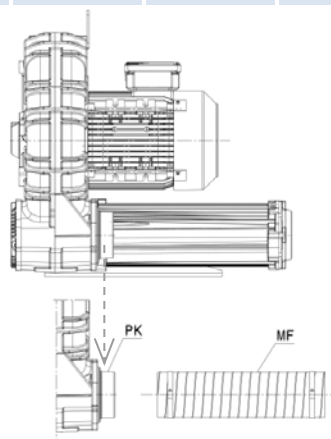


Fig. 2



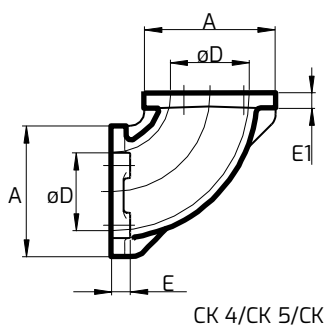
MANIFOLD - CK

90° manifold in aluminium alloy applicable on K/e series blowers, also available painted RAL 7016.

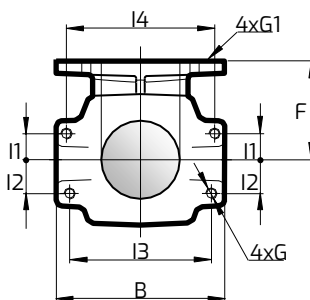
Supplied with mounting kit (gasket and screws plus wrench).

DIMENSIONS (CK)

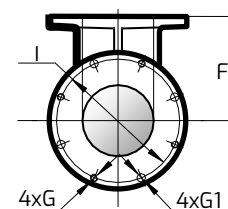
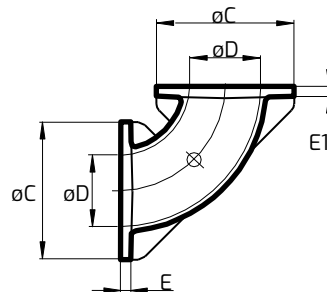
Model	DN	A	B	øC	øD	E	E1	F	4xG	4xG1	I	I1	I2	I3	I4	Weight [kg]
CK 5	40	80	100	-	43	11.5	7.0	56	M6	7	-	17.6	17.6	85	85	0.50
CK 6	50	92	118	-	55	13.0	8.5	69	M8	9	-	18.3	23.8	99.4	104	0.70
CK 8	80	-	-	145	75	10.5	10.5	110	M8	9	130	-	-	-	-	1.37
CK 9	100	-	-	165	90	10.5	10.5	132	M8	9	150	-	-	-	-	1.77
CK 10	125	-	-	220	128	10.5	10.5	192	M8	9	190	-	-	-	-	3.82



CK 4/CK 5/CK



CK 8/CK 9/CK 10



VALVE HOLDER for valves VRL - PV

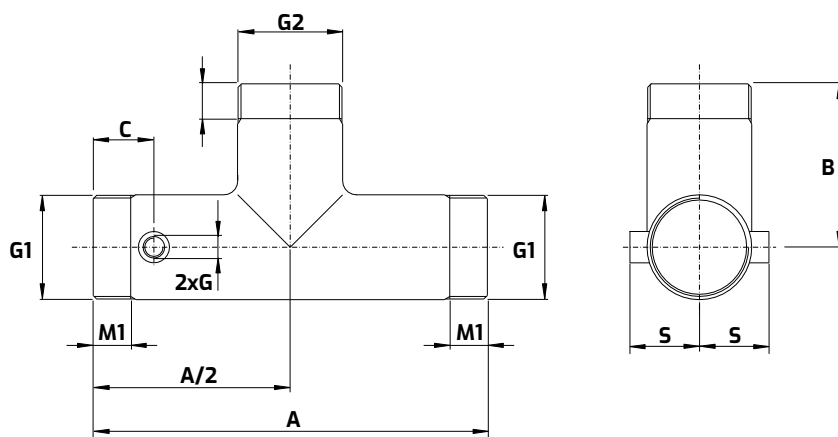
In AISI 304 stainless steel, end with GAS thread and complete with G1/4" hole for connecting pressure gauge MC or vacuum gauge MV. Installs directly onto the threaded flange of the blower (inlet and outlet).

Suitable for use of flexible sleeve MF.

Model PV 56 provides for 2 sleeves, in zinc plated cast iron, with Gas tapered male thread (Gc 1" 1/2) on both ends.

DIMENSIONS (PV)

Model	DN	A	B	C	2xG	G1	G2	M1	M2	S	Weight [kg]
PV 56	40	325	95	83	G 1/4"	G 1" 1/2	G 2"	15	21.5	40	1.73
PV 66	50	227	95	35	G 1/4"	G 2"	G 2"	21.5	21.5	40	0.85
PV 86	80	310	135	55	G 1/4"	G 3"	G 2"	28.0	21.5	54	1.85
PV 88	80	310	130	55	G 1/4"	G 3"	G 3"	28.0	28.0	54	1.99
PV 96	100	370	150	65	G 1/4"	G 4"	G 2"	31.5	21.5	67	2.64
PV 98	100	370	173	65	G 1/4"	G 4"	G 3"	31.5	28.0	67	3.00
PV 99	100	370	147	65	G 1/4"	G 4"	G 4"	31.5	31.5	67	2.80
PV 109	125	370	175	65	G 1/4"	G 5"	G 4"	31.5	31.5	80	4.20

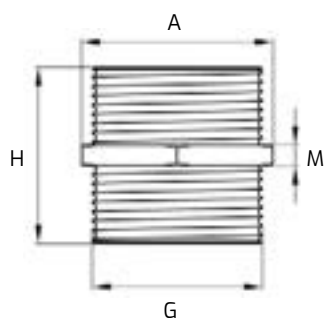


NIPPLO - NP

Galvanised barrel/pipe nipple fitting for direct connection of the FV filters to the blower.

Available with G (gas) thread only for the sizes specified in the table.

INGOMBRI (NP)



Mod	DN	A	G	H	M	Weight [kg]
NP4	32	48	G 1" 1/4	58	12,5	0,27
NP5	40	54	G 1" 1/2	60	11	0,28
NP6	50	70	G 2"	70	13,5	0,52
NP8	80	100	G 3"	84	14,5	1,13
NP9	100	130	G 4"	97	13,5	1,86

FLANGE for valves VRL - VK

In aluminium alloy with threaded end, GAS and NPT, also available painted RAL 7016.

Supplied with mounting kit (gasket and screws plus wrench).

Allows the connection of valves VRL directly on the cover of K/e series blowers as specified below:

- blower K/e-MS/TS applicable in delivery and in suction;
- blower K-MD applicable only in suction;
- blower K/e-TD not applicable.

Model VK 5G (native G 1" 1/2) including reduction in order to install valve VRL G 2"

DIMENSIONS (VK)

Model	DN	G	H	I	M	R	S	Fig.	Weight (g)
VK 5G	40	G 2"	47	92	17	6.5	10	1	310
VK 6G	50	G 2"	50	110	17	8.5	10	1	265
VK 6AG	50	G 2"	60	130	12	9	11	2	345
VK 8G	80	G 3"	43	130	10	9	11	2	290
VK 9G	100	G 4"	46	150	12	9	11	2	360
VK 5N	40	1" 1/2 NPT	30	92	15	6.5	10	1	85
VK 6N	50	2" NPT	50	110	24	8.5	10	1	265
VK 6AN	50	2" NPT	60	130	19	9	11	2	345
VK 8N	80	3" NPT	44	130	20	9	11	2	280
VK 9N	100	4" NPT	46	150	23	9	11	2	345

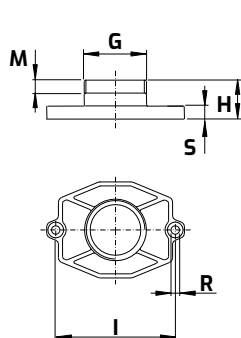


Fig. 1

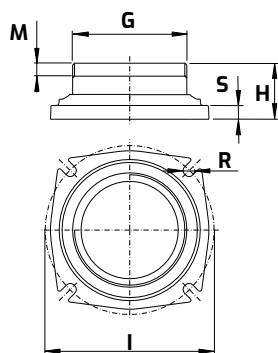
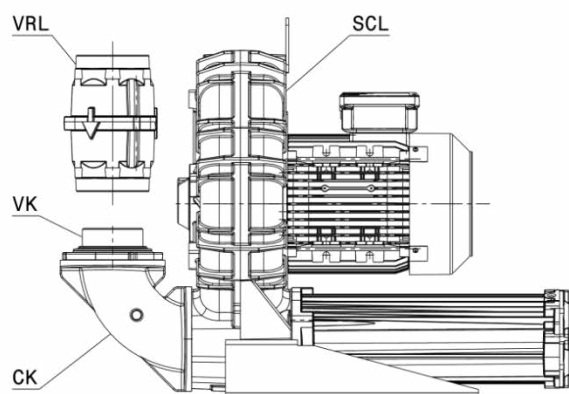
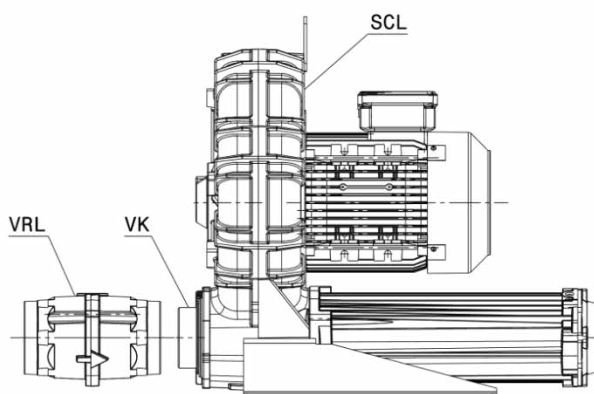


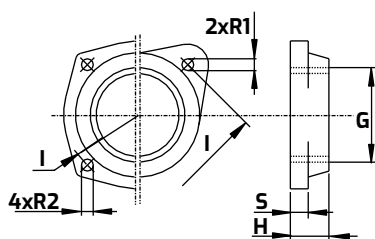
Fig. 2



THREADED FLANGE - TF

In aluminium alloy and available with female thread, GAS and NPT, also available painted RAL 7016.
Supplied standard with blower.

DIMENSIONS (TF)



Model	DN	G	H	I	2xR1	4xR2	S	Weight (g)
TF 3 G	25	G 1"	18	54.5	6.5	-	10	47
TF 4 G	32	G 1" 1/4	18	75	6.5	-	10	95
TF 4V G	32	G 1" 1/4	18	64	6.5	-	10	50
TF 5 G	40	G 1" 1/2	18	85	6.5	-	10	130
TF 5V G	40	G 1" 1/2	18	75	6.5	-	10	80
TF 6 G	50	G 2"	18	85	6.5	-	10	100
TF 8 G	80	G 3"	25	120	-	6.5	13	200
TF 9 G	100	G 4"	25	150	-	9	13	285
TF 10 G	125	G 5"	35	210	-	17	13	770
TF 3 N	25	1" NPT	18	54.5	6.5	-	10	47
TF 4 N	32	1" 1/4 NPT	18	75	6.5	-	10	95
TF 4V N	32	1" 1/4 NPT	18	64	6.5	-	10	50
TF 5 N	40	1" 1/2 NPT	18	85	6.5	-	10	130
TF 5V N	40	1" 1/2 NPT	18	75	6.5	-	10	80
TF 6 N	50	2" NPT	18	85	6.5	-	10	100
TF 8 N	80	3" NPT	25	120	-	6.5	13	200
TF 9 N	100	4" NPT	25	150	-	9	13	285
TF 10 N	125	5" NPT	35	210	-	17	13	770

BALL VALVE / GATE VALVE - VM / VN

VM - Ball valve with lever handle in steel and body in nickel-plated brass.

VN - Gate valve with lever handle in steel and body in nickel-plated brass.

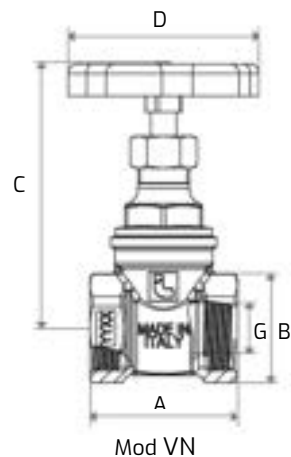
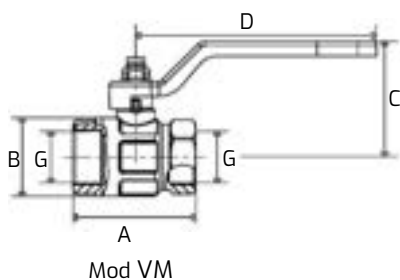
To be used in branch to the main pipe, to reduce the flow rate or the vacuum/pressure supplied to the user.

Do not use to directly throttle the flow generated by the blower.

If applied on the suction side, install a suitable filter to prevent the entry of foreign particles.

DIMENSIONS (VM/VN)

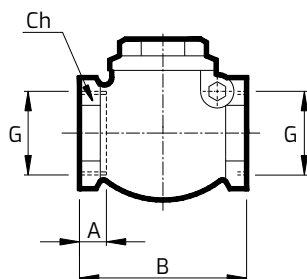
Mod	DN	A	B	C	D	G	Peso (kg)
VM 3	25	70	45.5	59	113	G 1"	0.42
VM 4	32	80.5	57	75	138	G 1" 1/4	0.68
VM 5	40	94.5	70	81	138	G 1" 1/2	1.03
VM 6	50	112.5	84	96	157.8	G 2"	1.63
VN 8	80	83	102.7	202.1	100	G 3"	
VN 9	100	100	132.4	236.9	120	G 4"	



NON-RETURN VALVE - VC

Valve body and metal parts in brass alloy. Shutter gasket: NBR only for Model VC 10
GAS female threaded connections
Min./Max. nominal operating pressure : 0.05 bar / 10 bar (6 bar for sizes G 3" and G 4")
Operating temperature: 0°C - +90°C

DIMENSIONS (VC)



Model	DN	A	B	G	Ch Hex	Weight (kg)
VC 1	15	8	47	G 1/2"	25	0.16
VC 2	20	8	53	G 3/4"	32	0.33
VC 3	25	10	63	G 1"	38	0.38
VC 4	32	10	74	G 1" 1/4	47	0.46
VC 5	40	10	87	G 1" 1/2	55	0.74
VC 6	50	11	97	G 2"	67	1.02
VC 8	80	16	135	G 3"	95	2.44
VC 9	100	20	164	G 4"	124	3.90
VC 10	125	22	206	G 5"	150	6.97

VACUUM/PRESSURE RELIEF VALVE - VRL

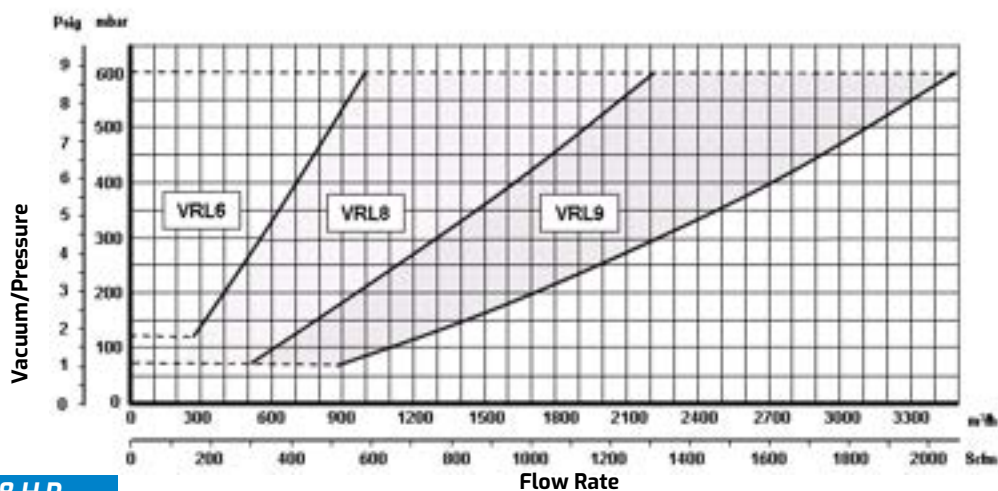
Designed for limitation in the range of low / negative pressures with minimum hysteresis (difference between cut-in value and adjusted value).

Featuring compact construction in aluminium alloy, easy to install and calibrate, they are suitable for a wide range of flows and offer the possibility of in-line mounting when conveying the secondary flow is required.

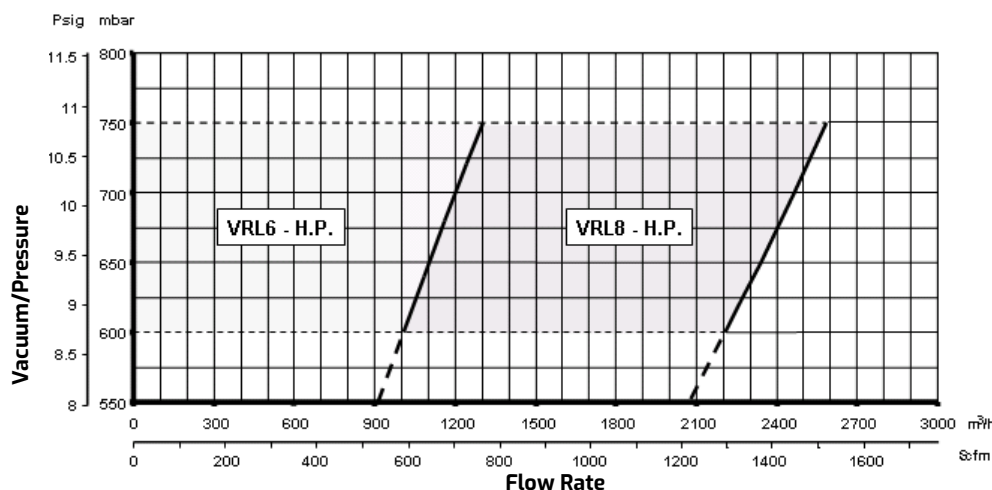
The valve kit provides for an additional spring with greater preload.

For correct use, consult the use and maintenance manual.

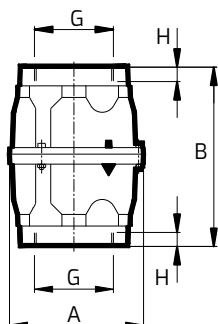
VRL6/VRL8/VRL9



VRL6/VRL8 H.P.



DIMENSIONS (VRL)



Model	DN	A	B	G	H	Weight [kg]
VRL 6 G	50	102	175	G 2"	12	0.89
VRL 6HP G	50	102	175	G 2"	12	0.89
VRL 8 G	80	135	190	G 3"	15	2.02
VRL 8HP G	80	135	190	G 3"	15	2.02
VRL 9 G	100	160	206	G 4"	18	2.81
VRL 6 N	50	102	175	2" NPT	12	0.89
VRL 6HP N	50	102	175	2" NPT	12	0.89
VRL 8 N	80	135	190	3" NPT	15	2.02
VRL 8HP N	80	135	190	3" NPT	15	2.02
VRL 9 N	100	160	206	4" NPT	18	2.81

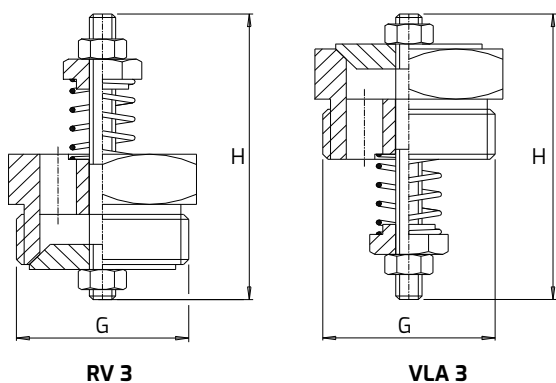
Flow diagram¹

	VACUUM/PRESSURE RELIEF VALVE closed	VACUUM/PRESSURE RELIEF VALVE open
SUCTION		
COMPRESSION		

VACUUM/PRESSURE RELIEF VALVE – RV / VLA

Valve body and plate in aluminium alloy. Available with GAS thread only.

DIMENSIONS (VLA/RV)



Model	DN	G	H	Weight [g]
RV 3	25	G 1"	57	70
VLA 3	25	G 1"	57	70

Sizes in [mm] - NOT BINDING

¹ Attention : For the correct reading of the value given on the pressure gauge/vacuum gauge, position the instrument between the silencer housing and the VRL

(*) See the relevant data sheet

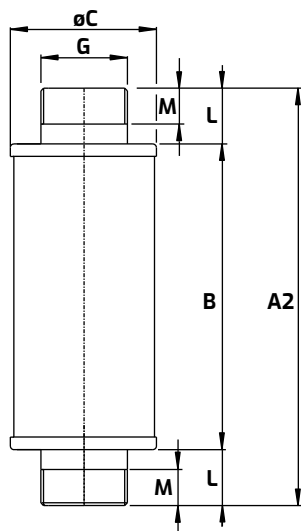
IN LINE SILENCER – SI

Suitable for fitting on the inlet pipe as well the outlet pipe under the following conditions:

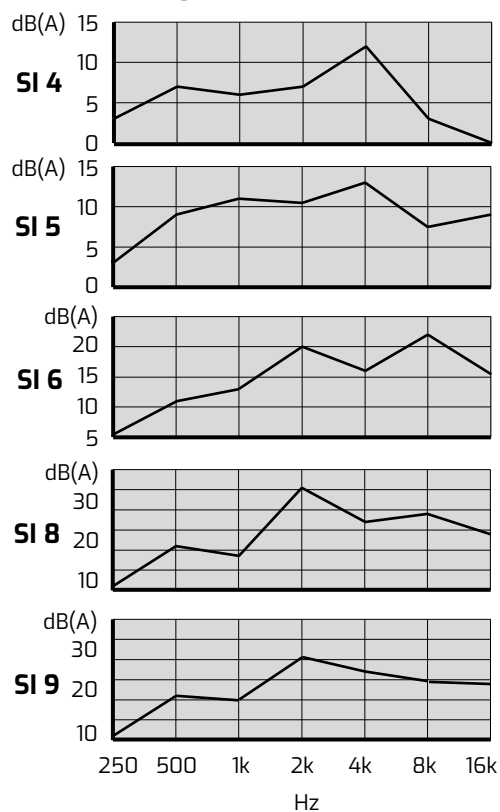
- Inlet installation allowed if the machine works as a blower (suction pressure equal to atmospheric pressure)
- Outlet installation allowed if the machine works as an exhauster (discharge pressure equal to atmospheric pressure)

In steel sheet (except SI9 and SS9 entirely in aluminium alloy) with polyurethane sound-absorbing element, they reduce the noise of the conveyed flow by absorption.

In line silencer SI for in line mounting with GAS/NPT threaded sleeve at both ends.



Average indicative attenuation values



DIMENSIONS (SI)

Model	DN	A2	B	øC	G	L	M	Weight [kg]
SI 4	32	210	140	72.4	G 1" 1/4	35	20	0,83
SI 5	40	240	170	81.9	G 1" 1/2	35	22	1,06
SI 6	50	290	200	91.6	G 2"	45	25	1,5
SI 8	80	435	345	152.6	G 3"	45	30	3,56
SI 9	100	485	430	169	G 4"	27	20	3.90
SI 9 N	100	485	430	169	4" NPT	27	20	3.90

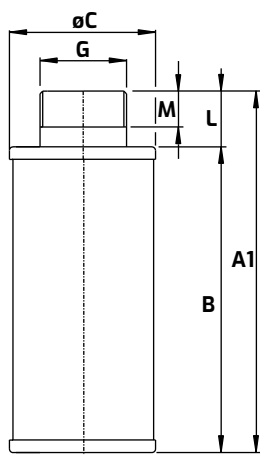
FINAL SILENCER - SS

Suitable for fitting on the inlet pipe as well the outlet pipe under the following conditions:

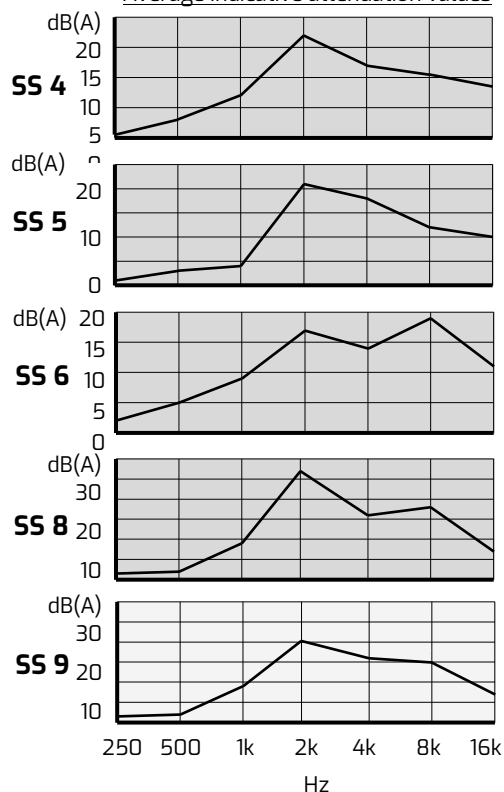
- Inlet installation allowed if the machine works as a blower (suction pressure equal to atmospheric pressure)
- Outlet installation allowed if the machine works as an exhauster (discharge pressure equal to atmospheric pressure)

In steel sheet (except SS9 and SS9 entirely in aluminium alloy) with polyurethane sound-absorbing element, they reduce the noise of the conveyed flow by absorption.

Final silencer SS for mounting at head of duct with GAS/NPT threaded sleeve to one end and opening to the atmosphere at other end.



Average indicative attenuation values



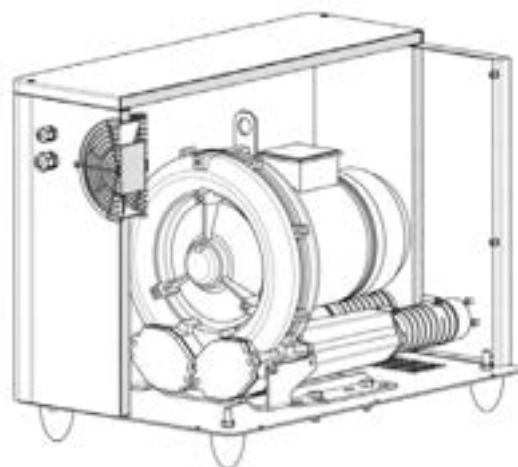
DIMENSIONS (SS)

Model	DN	A1	B	øC	G	L	M	Weight (kg)
SS 4	32	173	138	72.8	G 1" 1/4	35	20	0,66
SS 5	40	202	167	82.1	G 1" 1/2	35	20	0,89
SS 6	50	245	200	91.6	G 2"	45	25	1,26
SS 8	80	395	350	152.5	G 3"	45	30	3,19
SS 9	100	465	430	169	G 4"	27	20	4,10
SS 9 N	100	465	430	169	4" NPT	27	20	4,10

SOUNDPROOF CABIN - IH1 - IH3 - IH4 - IH5

CHARACTERISTICS:

- Noise reduction 10 dB(A) max.
- Structure in RAL 9001 painted sheet steel, lined with sound-absorbing material.
- Arranged with electric axial fan for removing heat generated by the motor and blower.
- Bottom of cabin with air inlet grille for ventilation.
- Cabin on 4 rubber antivibration mounts.
- Cabin supplied with kit for connection of blower.
- Possibility of installing the accessories provided for the blower directly on the cabin.
- Not suitable for outdoor installation without adequate protection.



PERFORMANCE OF BLOWERS (MOR Wide Range version) INSTALLED IN SOUNDPROOF CABIN

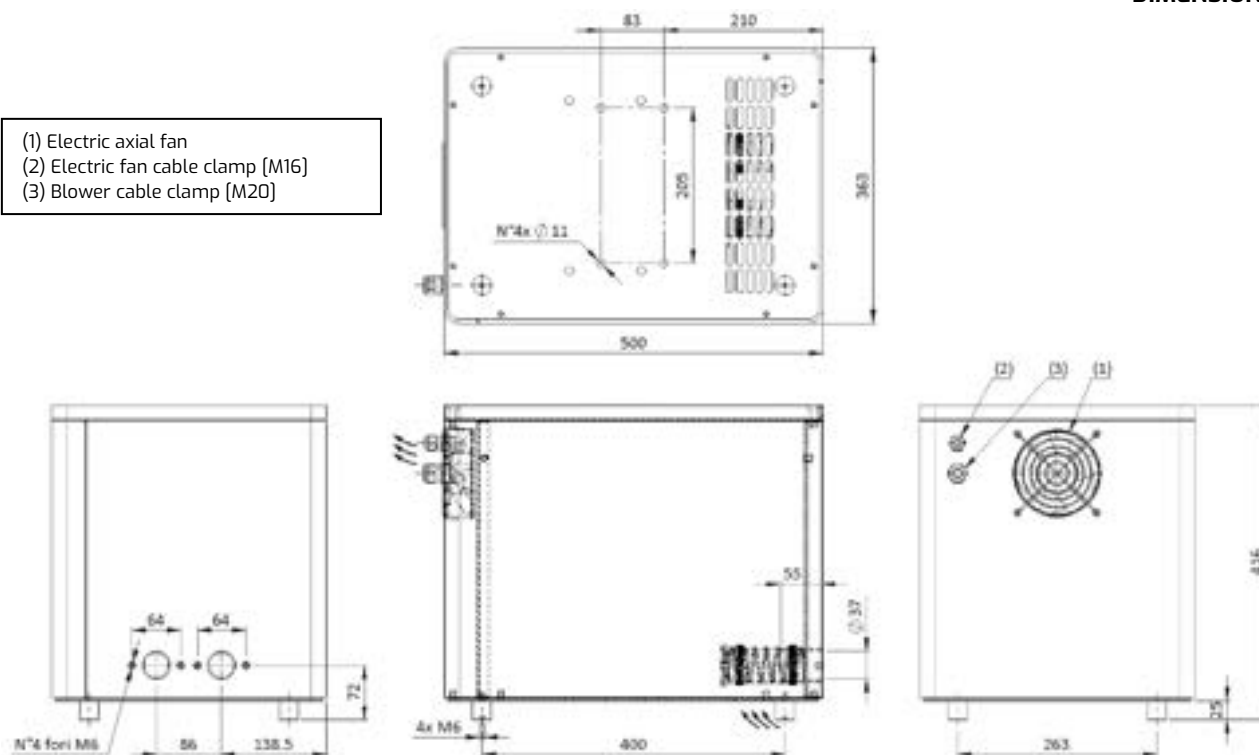
Blower	Cabin	Installed power [kW]	Differential pressure [mbar]	Blower	Cabin	Installed power [kW]	Differential pressure [mbar]
K03-M5	IH1	0.37	-75/+85	R20-MD	IH4	0.75	-275/+300
		0.42	-75/+75			0.90	-275/+250
		0.55	-100/+125			1.1	-275/+375
		0.65	-150/+175			1.3	-325/+425
		0.75	-125/+125			1.1	-275/+300
K04-M5	IH3	0.90	-100/+100	R30-MD	IH4	1.3	-300/+275
		1.1	-175/+175			1.5	-325/+400
		1.3	-150/+150			1.7	-350/+400
		1.5	-150/+225	R40-MD	IH4	2.2	-325/+400
		1.7	-225/+225			2.6	-350/+375
K05-M5	IH5	1.1	-105/+105			3.0	-325/+475
		1.3	-75/+75			3.5	-350/+475
		1.5	-150/+150				
		1.7	-135/+135				
		2.2	-215/+225				
K06-M5	IH5	2.6	-235/+235				
		3.0	-215/+275				
		3.5	-235/+325				
		2.2	-135/+135				
		2.6	-100/+100				
		3.0	-215/+215				
		3.5	-200/+200				
		4.0	-245/+275				
		4.8	-250/+300				

FAN CHARACTERISTICS (SINGLE-PHASE)

	IH1 – IH3		IH4 - IH5	
Frequency [Hz]	50	60	50	60
Power [W ±10%]	18	15	46	44
Power supply [V]	220-240		230±10%	
Nom. absorption [A ±10%]	0.13	0.09	0.30	0.28
Protection	IP 44		IP 54	
Phases	1			
Poles	2			
Operating temperature	-20°C to +70°C			

DIMENSIONS (IH1)

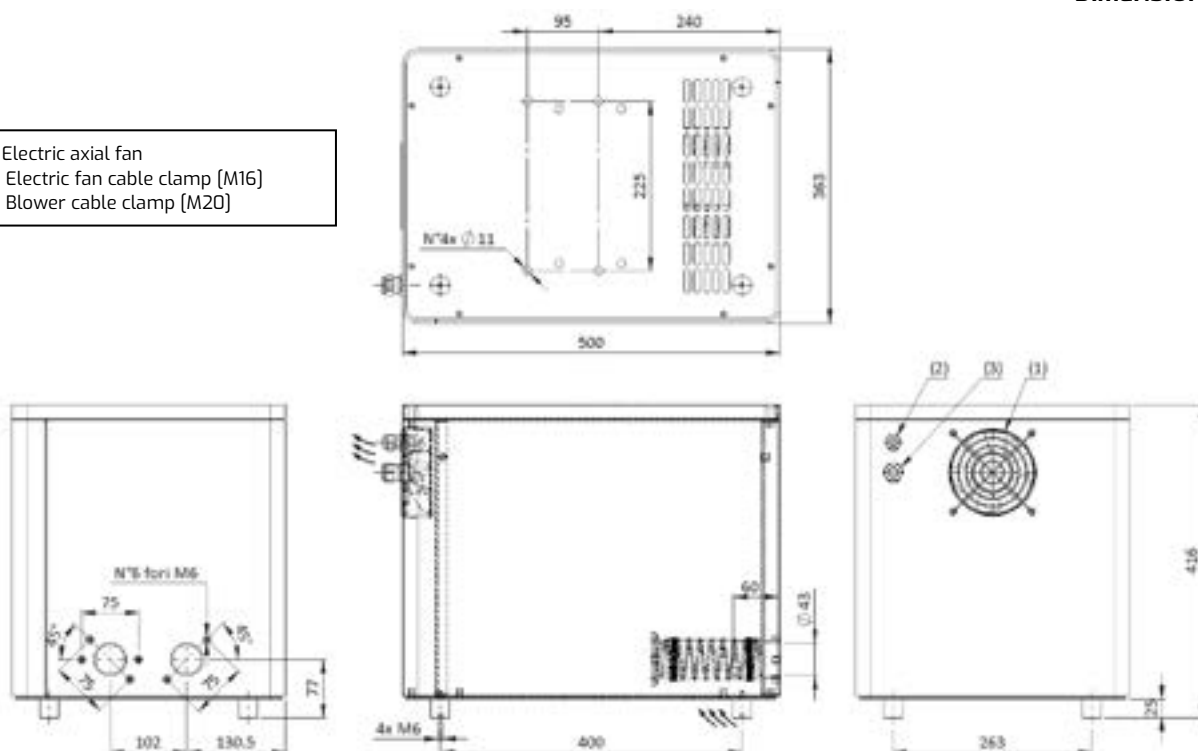
- (1) Electric axial fan
(2) Electric fan cable clamp [M16]
(3) Blower cable clamp [M20]



Model	Weight [kg]
IH1	17.0

DIMENSIONS (IH3)

- (1) Electric axial fan
(2) Electric fan cable clamp [M16]
(3) Blower cable clamp [M20]

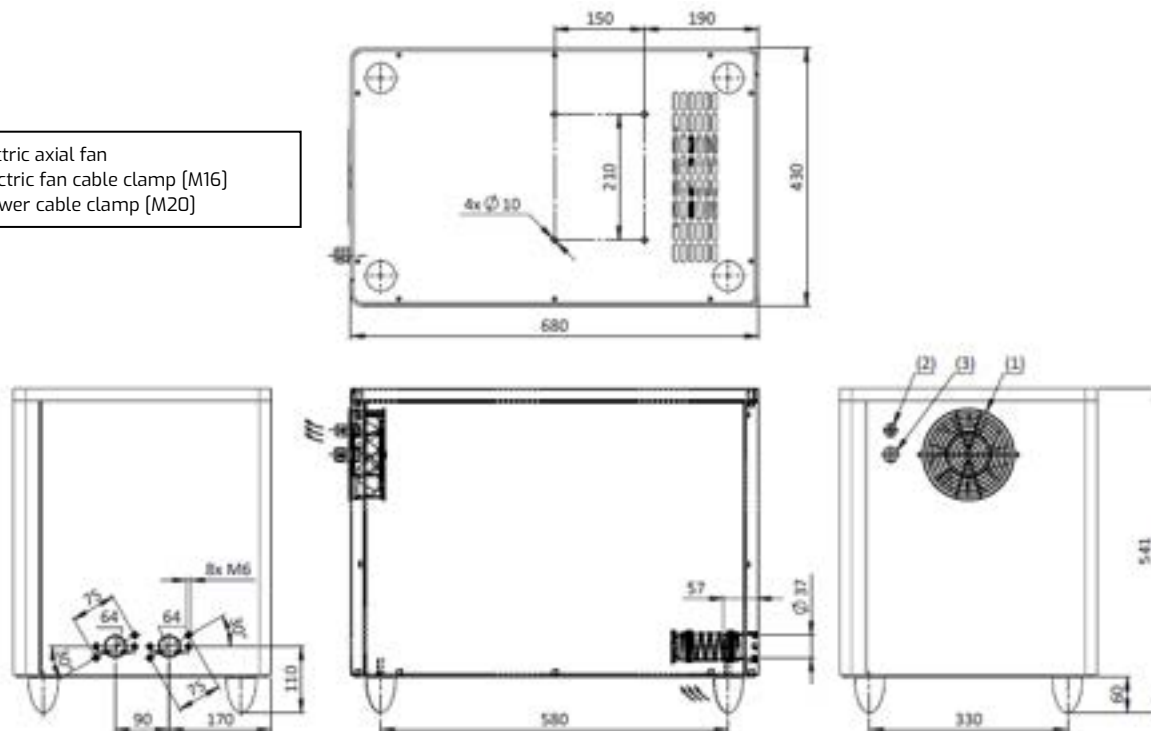


Model	Weight [kg]
IH3	17.2

Sizes in [mm] - NOT BINDING

DIMENSIONS (IH4)

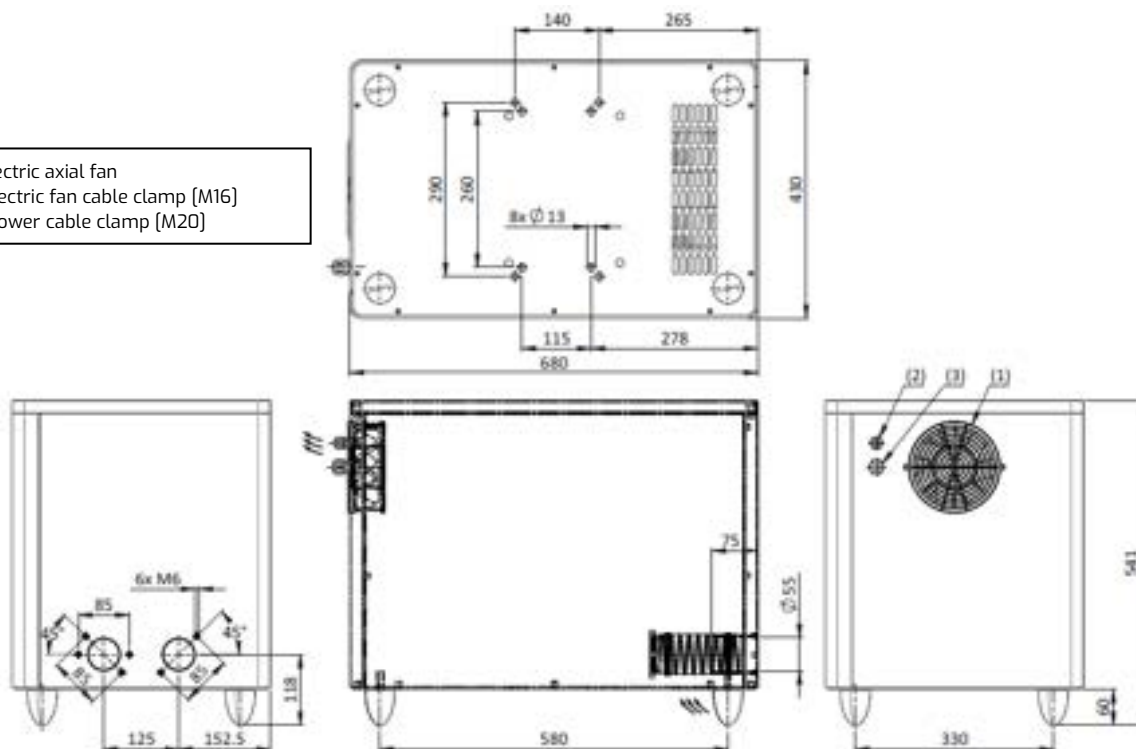
- (1) Electric axial fan
(2) Electric fan cable clamp [M16]
(3) Blower cable clamp [M20]



Model	Weight [kg]
IH4	27.7

DIMENSIONS (IH5)

- (1) Electric axial fan
(2) Electric fan cable clamp [M16]
(3) Blower cable clamp [M20]



Model	Weight [Kg]
IH5	28.0

Sizes in [mm] - NOT BINDING

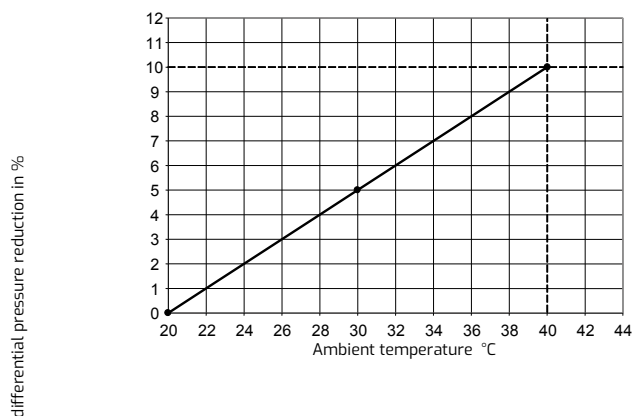
SOUNDPROOF CABINS – IH7R - IH7 - IH8 - IH9 - IH10 - IH11 - IH12 - IH13

CHARACTERISTICS:

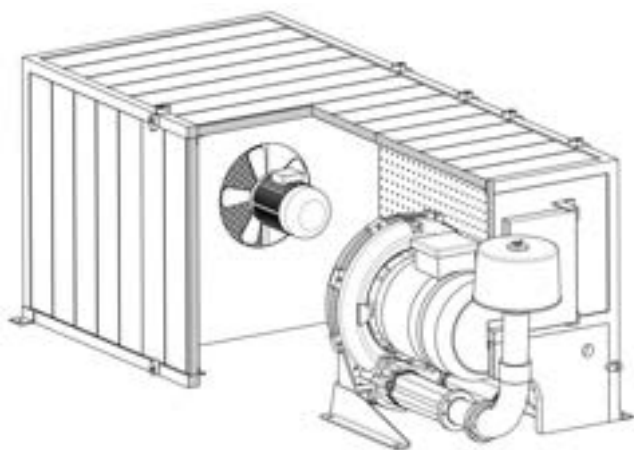
- Noise reduction 10 dB(A) max.
- Structure in aluminium blocks.
- Removable panels with block-panel system.
- Arranged with electric axial fan for removal of heat generated by the motor and blower.
- Not suitable for outdoor installation without adequate protection.

PERFORMANCE OF BLOWERS (MOR IE2 Wide Range version) INSTALLED IN SOUNDPROOF CABIN

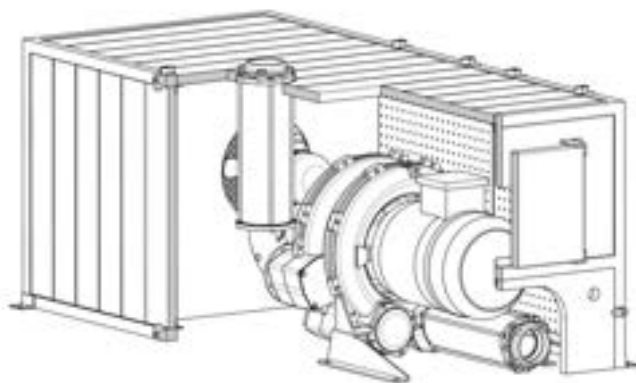
- Reduce the max. pressure differential specified on the blower data sheet by 10% for room temperature values $\leq 20^{\circ}\text{C}$
- For room temperature values $> 20^{\circ}\text{C}$, further downgrade as indicated in the following graph



IH7R-IH7-IH9-IH10-IH13

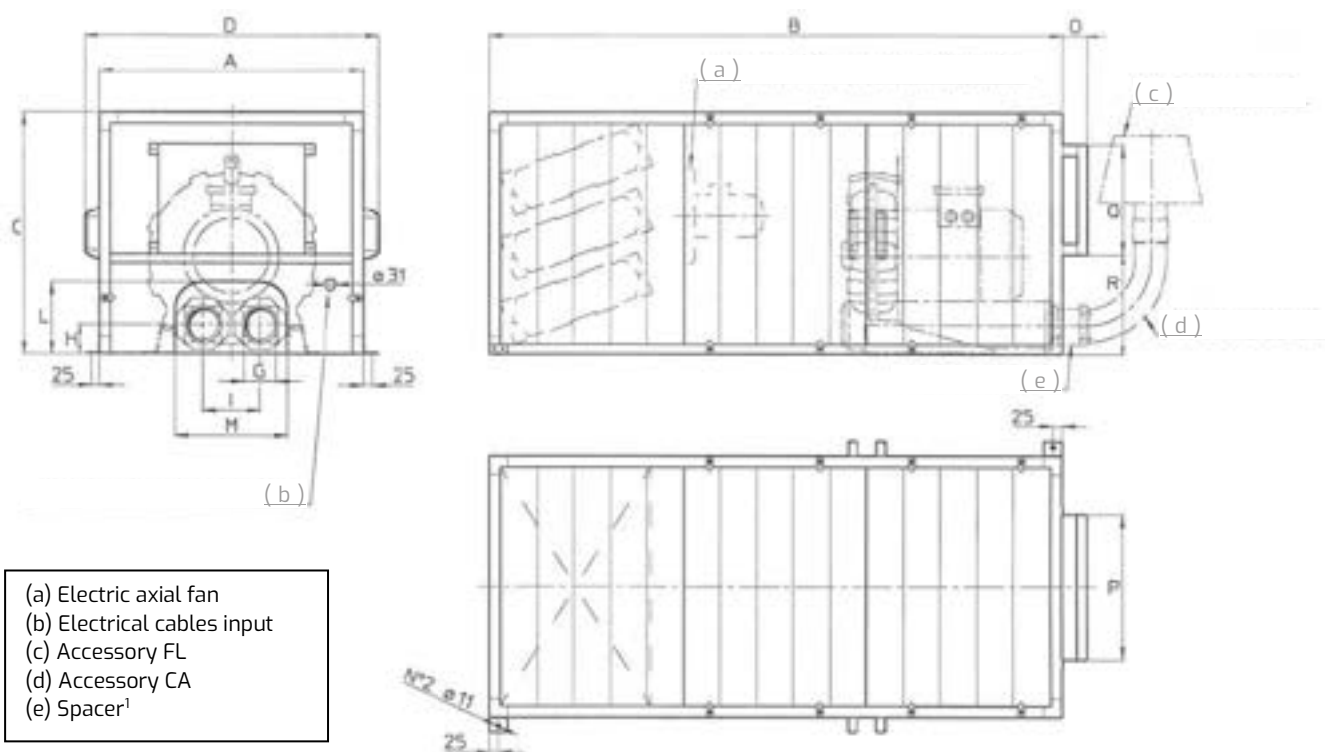


IH8-IH11-IH12



ELECTRIC FAN CHARACTERISTICS

	IH7R-IH7-IH8-IH9-IH10-IH11-IH12-IH13	
Frequency [Hz]	50	60
Power [kW]	0.12	0.14
Power supply [V $\pm 10\%$]	230/400	275/480
Cos φ	0.69	0.69
Nom. absorption [A]	0.70 / 0.44	
Protection	IP 55	
Insulation	Class F	
Poles	2	
Phases	3	



DIMENSIONS (IH7R-IH7-IH9-IH10-IH13)

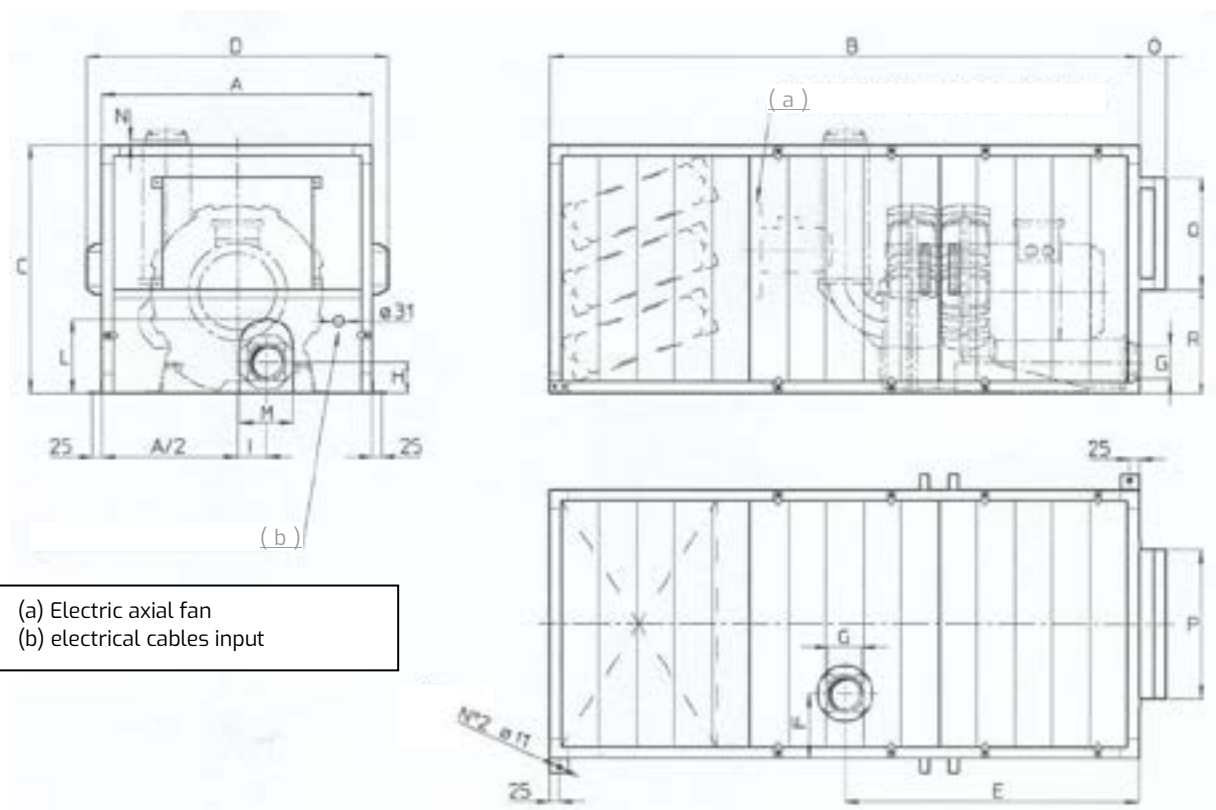
Model	Blower type	Spacer ¹	A	B	C	D	G	H	I	L	M	O	P	Q	R	[Kg]
IH7R	K07R-MD	1035K0710840	720	1565	660	805	2"	82	155	160	270	70	400	300	280	64
	K08R-MD	1035K0710840														
IH7	K07/e07-MS	-	720	1565	660	805	3"	82	155	197	305	70	400	300	280	64
	K75-MS	-														
	K08/e08-MS	1035201000001 ²														
IH9	K07/e07-TS	-	720	1565	660	805	4"	98	182	225	375	70	400	300	280	64
	K08/e08-TS	-														
IH10	K09-MS/MD	1035K09700001 ³	720	1615	760	805	4"	96	182	225	375	90	450	390	280	92
	K10-MS/MD	1035K09700001 ³														
	K11/e11-MS	1035K09700001 ³														
	K11-MD	1035K09700001														
	K12-MS/MD	1035K09700001 ³														
IH13	K09-TS	-	720	1615	800	805	5"	106	210	255	440	90	450	390	310	94
	K10-TS	-														
	K11 ⁴ /e11-TS	-														
	K12-TS ⁴	-														

¹ Required for use of filter "FL"

² Required only for blower K08/e08-MS with 9.2 kW electric motor

³ Required only for blower K09-MS with 9.2 kW and 11 kW , K10-MS with 9.2 kW – 11 kW and 15 kW , K11/e11/K12-MS with 9.2 kW - 11 kW - 15 kW and 18.5 kW, K12-MD with 15 kW electric motor

⁴ Not applicable with 22 kW motor

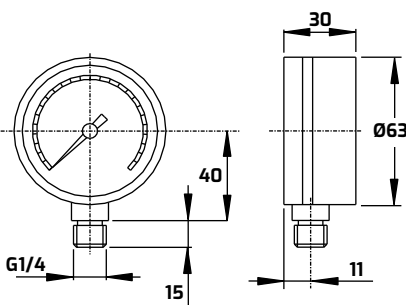
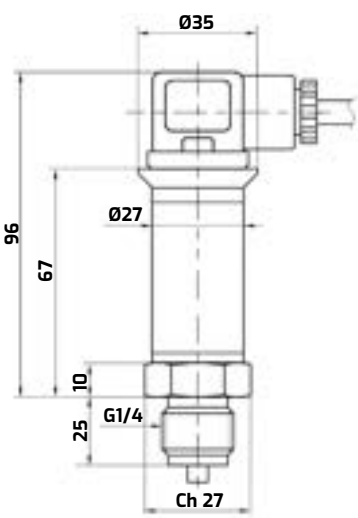


DIMENSIONS (IH8-IH11-IH12)

Model	Blower type	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	(Kg)
IH8	K07/e07-TD	720	1565	660	805	833	173	3"	82	77.5	197	150	13	70	400	300	280	64
	K08/e08-TD																	
IH11	K09-TD	720	1615	760	805	962	146	4"	96	98	225	176	21	90	450	390	280	92
	K10-TD																	
IH12	K11/e11-TD	720	1615	760	805	962	146	4"	91	128	218	176	28	90	450	390	280	92
	K12-TD																	

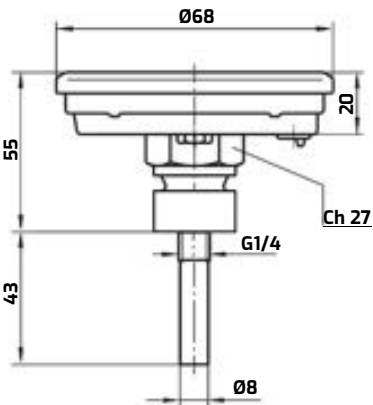
ACCESSORIES SUITABLE FOR ATEX ENVIRONMENT

PRESSURE MEASUREMENTS

	MECHANICAL		ELECTRONIC			
	 		 			
Model	MC030	MA040	TC420	TC010	TA420	TA010
Characteristics	Bourdon tube pressure gauge in steel, ideal for industrial-type use		Pressure transducer, accurate and reliable, suitable for use in heavy industrial environments. Allows acquisition of status and control of the system in question			
ATEX classification	II 2 GDC T6		II 1 GD – Ex ia IIC T5			
Range	0 ... 1000 mbar	-1000 ... 0 mbar	0 ... 1000 mbar		-1000 ... 0 mbar	
Accuracy	1.6% FS		<0.3% FS ¹			
Mechanical connection	G1/4		G1/4			
Power supply	-		14-28 VDC			
Output signal			4-20 [mA]	0-10 [V]	4-20 [mA]	0-10 [V]
Electrical connection	-		DIN 43650 plug			
Protection	IP 65		IP 65			
Dimensions						

¹ The accuracy decreases by 0.6% FS every 10°C above 100°C

TEMPERATURE MEASUREMENTS

	MECHANICAL
	
Model	TE0160
Characteristics	Bimetallic thermometer for industrial use in stainless steel
ATEX classification	II 2 GDc Tx
Range	20°C ... 140°C
Accuracy	1% FS
Mechanical connection	G1/4
Power supply	-
Output signal	-
Electrical connection	-
Protection	IP 65
Dimensions	

FILTER

A device that stops particles of dust or debris carried by the gas, protecting the side channel blower as well as possible adjustment and safety devices. To be used with non-aggressive gases, such as manufactured gas (carbon monoxide), methane (natural gas) and LPG (liquefied petroleum gas).



Characteristics:

- Casing in cast aluminium (dimensions 230mm x 150mm)
- Filter element in washable synthetic material (viledon).
- Standard degree of filtration: 20 µm
- Filtering surface area: 10650 mm²
- Possible vertical installation
- Supplied with gaskets and screws for connection to the system
- Arranged for pressure sampling points upstream and downstream of the cartridge (G 1/4")
- EC approval according to EN 126
- In conformity with Directive 2009/142/EC (Gas Directive)
- In conformity with the 97/23/EC (PED)

Available on request:

- degree of filtration 50 and 10 µm.
- version treated (cataphoresis) for compatibility with work fluid containing H₂S

FILTER	Model	Flanged connections	Filtration degree (µm)	Weight (kg)	CARTRIDGE	Model	Filter	Dimensions	Weight (g)
	FF40J10	DN 40	10	2,55		25CF10M	FF40J10	140 x 105 x 35	56
	FF40J20		20				FF50J10		
	FF40J50		50			25CF20M	FF40J20		
	FF50J10	DN 50	10	FF50J20					
	FF50J20		20	25CF50M		FF40J50			
	FF50J50		50			FF50J50			

ANTIVIBRATION JOINTS

A device allowing the machine to be uncoupled from the system, preventing the transmission of vibration and allowing the adjustment of any misalignments.



Characteristics:

- In AISI 316L stainless steel
- Anti-twisting grooving to avoid problems during assembly
- Supplied with gaskets and screws for connection to the system

Mod	DN	PN	mod SCL	Weight (kg)
25FM6X.	50	16	K05MS Atex 2G - Atex 2G/3G	8
			K06MS Atex 2G - Atex 2G/3G	
25FM5X.	40	16	R20-MD Atex 2G - Atex 2G/3G	7
			R30-MD Atex 2G - Atex 2G/3G	
			R40-MD Atex 2G - Atex 2G/3G	

ADJUSTABLE AIR KNIVES

Characteristics

- ☒ Steel alloy construction
- ☒ Generating an uniform high speed airflow
- ☒ Modularity



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

Technical data

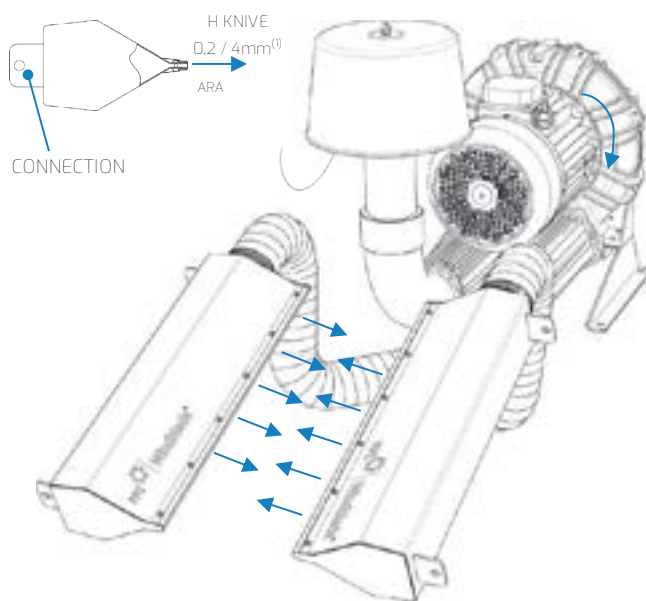
ACCESSORIES FOR SIDE CHANNEL BLOWERS - EXHAUSTERS

TECHNICAL INFORMATION

The air knife is used as an accessory for side channel blowers to canalize the air flow generated in compression by the blower itself, in a controlled airflow, uniform for a given length, and directional. The main function is to increase the speed of the airflow using it on customer's product with different applications

The air knife:

- ☒ Is made of stainless steel (AIS 304).
- ☒ Suitable for canalize airflow in a nonexplosive atmosphere, in continuous service.
- ☒ Suitable for side channel blower's models with the pressure side connection from 2" to 4"
- ☒ Equipped with an adjustable slit for airflow exit (from 0,2 to 4mm⁽¹⁾)
- ☒ Equipped with connection for an easier installation (customer care).



⁽¹⁾ For general conditions of use refer to the blower manual

APPLICATIONS

Air knife is ideal for the following application:

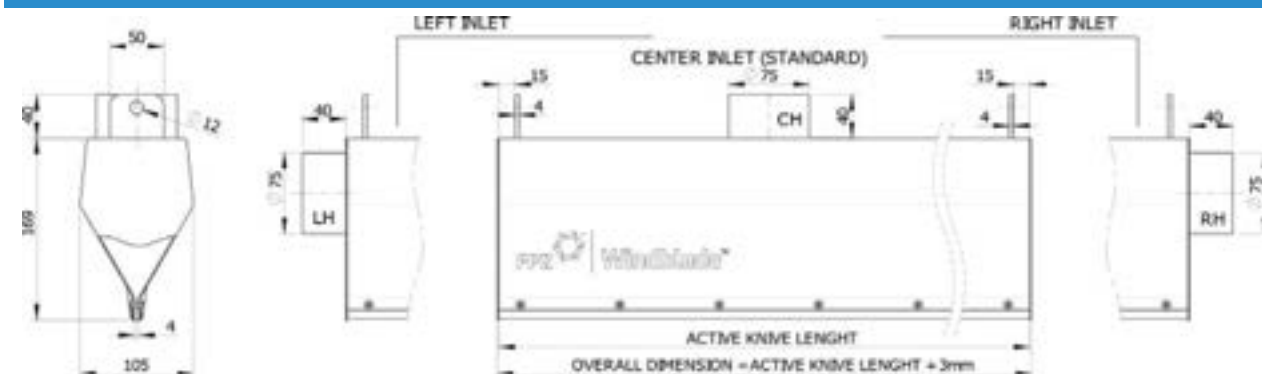
- ☒ Drying: water removal, moisture residue remove
- ☒ Cooling down: for plastic product, metal parts
- ☒ Cleaning: material residue removal, dust and machining residue removal

REFERENCE MARKET SECTOR

- | | | |
|---------------------|--------------------------|---|
| ☒ Food and beverage | ☒ Automotive | ☒ Machinery for processing rubber or metals |
| ☒ Food industry | ☒ Conveyor belt cleaning | ☒ Electronic parts |
| ☒ Textile | ☒ Building | |

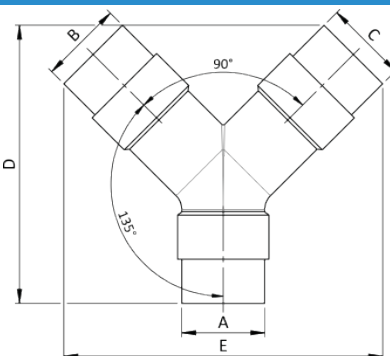


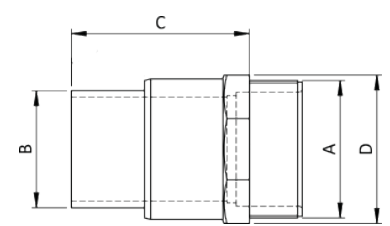
DIMENSIONS

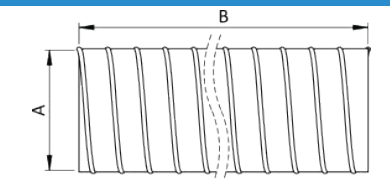


Active lenght	Overall dimension	Connections			Ø connection	Material
150 to 2000	Active lenght+ 3	CH (standard)	LH	RH	Ø75	Stainless Steel

COMPONENT FOR APPLICATION

Y CONNECTION	Product code	Dimension					Material
		A	B	C	D	E	
	633075075840	Ø75	Ø75	Ø75	255	290	PVC
	633090075840	Ø90			280	300	

TUBE HOLDER REDUCTIONS	Product code	Dimension				Material
		A	B	C	D	
	633002075840	2"GAS	Ø75	60	75	PVC
	633003075840	3"GAS		115	95	
	633003070840	4"GAS		125	115	
	633003090840	4"GAS	Ø90	125	115	

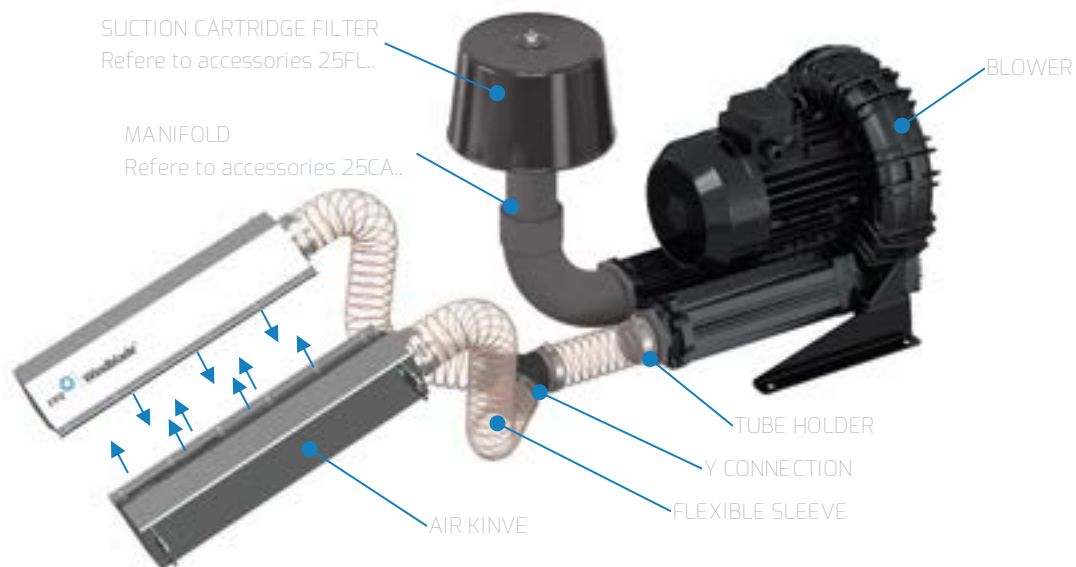
FLEXIBLE SLEEVE	Product code	Dimension		Material
		A	B	
	25FM75-..M	Ø75	upon request	Poliurethane
	25FM90-..M	Ø90		

Sizes in [mm] - NOT BINDING

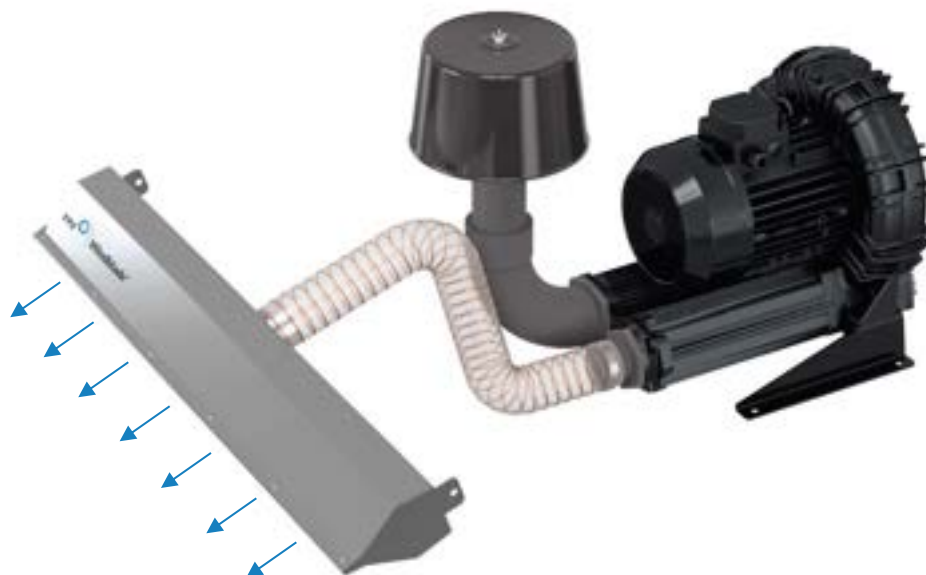
CONFIGURATION EXAMPLE

- The connection with the blower is made by the tube holder reduction, screwed with female threaded flange in pressure side (our standard), that joint the flexible sleeve connected with the air knife
- For general conditions of use refer to the blower manual

Configuration for 2 air knife with 1 inlet



Configuration for 1 air knife with 2 inlet



ADJUSTABLE AIR KNIVES

Technical data

Characteristics

- ☒ Anodized aluminum alloy construction
- ☒ Generating an uniform high speed airflow
- ☒ Modularity



ACCESSORIES FOR SIDE CHANNEL BLOWERS EXHAUSTERS

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

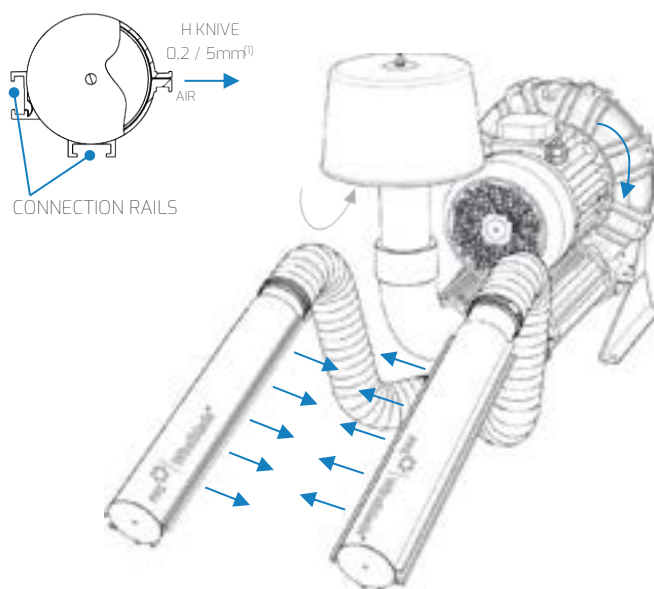
TECHNICAL INFORMATION

The air knife is used as an accessory for side channel blowers to canalize the air flow generated in compression by the blower itself, in a controlled airflow, uniform for a given length, and directional.

The main function is to increase the speed of the airflow using it on customer product with different applications

The air knife:

- ☒ Is made of anodized aluminum alloy.
- ☒ Suitable for canalize airflow in a nonexplosive atmosphere, in continuous service.
- ☒ Suitable for side channel blower's models with the pressure side connection from 2" to 4"
- ☒ Equipped with an adjustable slit for airflow exit (from 0.2 to 5mm⁽¹⁾)
- ☒ Equipped with rails for an easier installation through plates and tie rods (customer care).



⁽¹⁾ For general conditions of use refer to the blower manual

APPLICATIONS

Air knife is ideal for the following application:

- ☒ Drying: water removal, moisture residue remove
- ☒ Cooling down: for plastic product, metal parts
- ☒ Cleaning: material residue removal, dust and machining residue removal

REFERENCE MARKET SECTOR

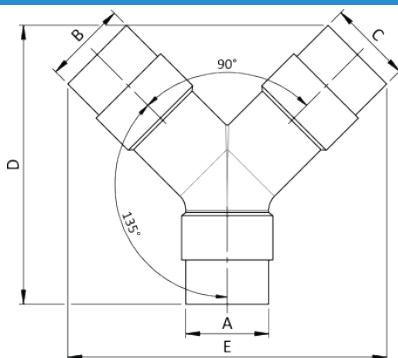
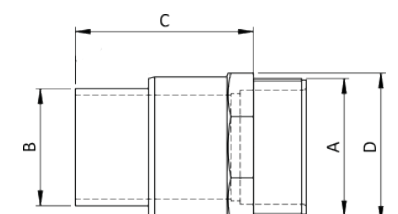
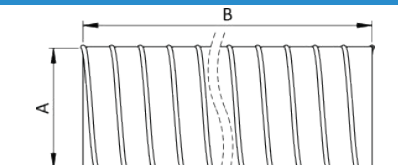
- | | | |
|---------------------|--------------------------|---|
| ☒ Food and beverage | ☒ Automotive | ☒ Machinery for processing rubber or metals |
| ☒ Food industry | ☒ Conveyor belt cleaning | ☒ Electronic parts |
| ☒ Textile | ☒ Building | |



[illegible]

Active lenght	Overall dimension	Connections			Ø connection	Material
150 to 2000	Active lenght+ 92	RH (standard)	LH	LH / RH	Ø75	Aluminum

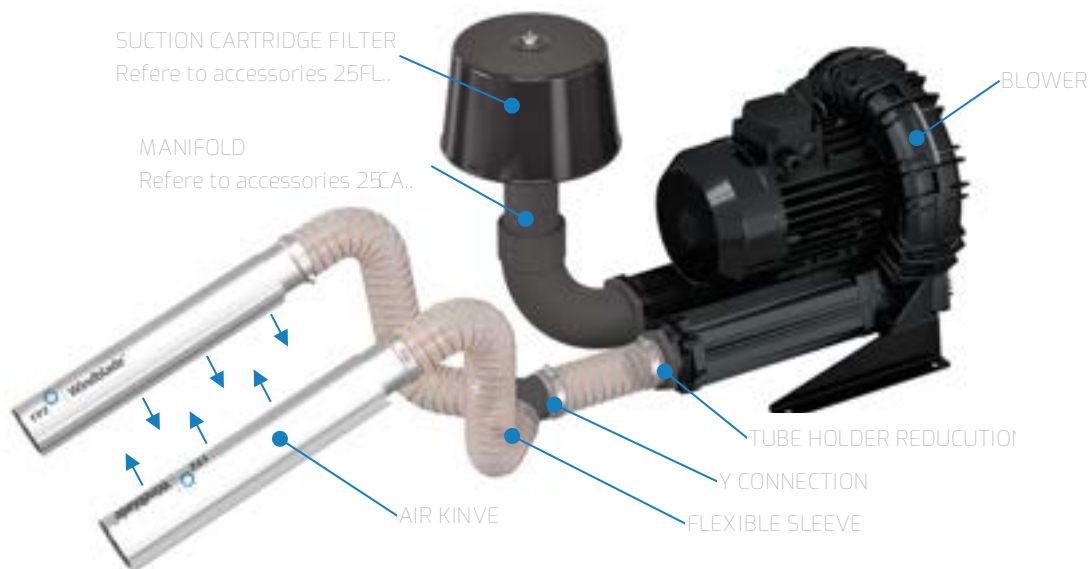
COMPONENT FOR APPLICATION

Y CONNECTION		Product code	Dimension					Material
			A	B	C	D	E	
		633075075840	Ø75	Ø75	Ø75	255	290	PVC
		633090075840	Ø90			280	300	
TUBE HOLDER REDUCTIONS		Product code	Dimension				Material	
			A	B	C	D		
		633002075840	2"GAS		60	75	PVC	
		633003075840	3"GAS	Ø75	115	95		
		633003070840	4"GAS		125	115		
		633003090840	4"GAS	Ø90	125	115		
FLEXIBLE SLEEVE		Product code	Dimension				Material	
			A		B			
		25FM75...M	Ø75		upon request		Poliurethane	
		25FM90...M	Ø90					

CONFIGURATION EXAMPLE

- The connection with the blower is made by the tube holder reduction, screwed with female threaded flange in pressure side (our standard), that joint the flexible sleeve connected with the air knife
- For general conditions of use refer to the blower manual

Configuration for 2 air knife with 1 inlet



Configuration for 1 air knife with 2 inlet



Flow REVERSING VALVE

VI-6

Technical data

Characteristics

- Aluminium alloy construction
- Rotating manifold controlled by stepper motor
- Featuring three different manifold positions



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

ACCESSORIES FOR SIDE CHANNEL BLOWERS - EXHAUSTERS

TECHNICAL INFORMATION

The flow reversing valve VI is used as an accessory for side channel blowers to switch the flow from pressure to negative pressure and vice versa.

The flow reversing valve is:

- Designed and constructed in accordance with Machinery Directive 2006/42/EC
- Made of aluminium alloy.
- Suitable for conveying air and non-explosive, non-flammable, non-aggressive gases in a nonexplosive atmosphere, in continuous service.
- It can be installed on SCL K04-MS / MS-K05 / K06-MS **only in vertical execution**.

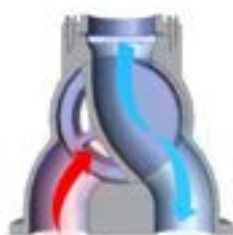
The flow reversing valve (A):

- Can be fitted on the blower, only in vertical execution, by means of adapter for K04 (B) – K05 K06 (C).
- The connection to the main line is via flange with GAS thread, NPT or by hose union.
- Made entirely of aluminium alloy, it has a pair of bearings for the alignment and support of the manifold, which is free to rotate without any contact with the containing body.
- The valve is controlled by an Nema 23 stepper motor (protection class IP55) powered by 24VDC via a 3m long cable supplied. The motor connection has IP67 protection.
- The electric motor is set in such a way that the manifold curve assumes only the positions - 67.5°, 0°, +67.5°. The overall angle of rotation of the manifold curve is 135°. The motor pre-setting allows the manifold curve to rotate in the three positions described below.



SIDE VIEW OF ELECTRIC MOTOR

System in suction
Pos. -67.5°



Neutral phase
Pos. 0°



System in pressure
Pos. +67.5°



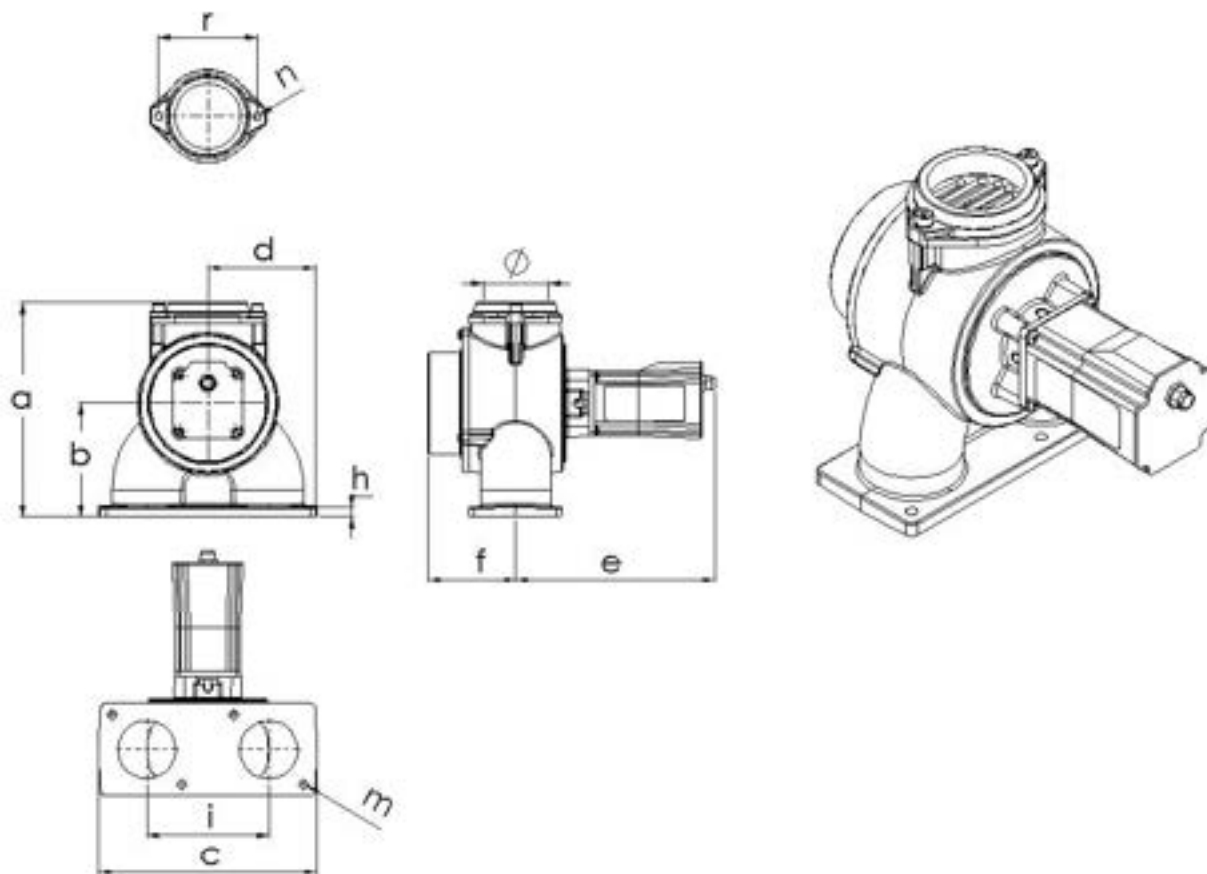
Flow reversing valve specifications

Maximum cycle time from -67.5° to +67.5°	0.35 Sec.
Maximum cycle time from 0° to +67.5°	0.2 Sec.
Maximum cycle time from -67.5° to 0°	0.2 Sec.
Temperature of sucked fluid (air)	-15°C / +40°C
Reference density of fluid	1.20 kg/m ³
Ambient temperature range	-15°C / +40°C

Electric motor specifications

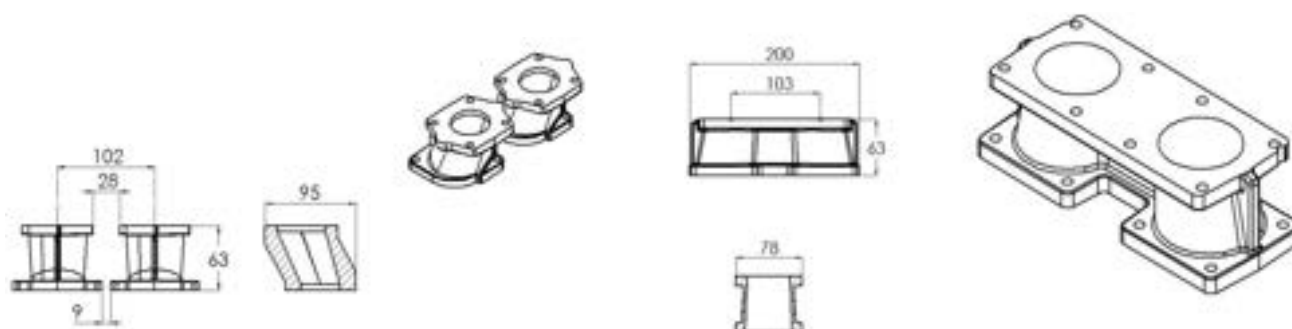
Holding torque	1.2 Nm
Resolution	1600 counts per rev.
Supply voltage	24VDC
no. rev.	0-600 RPM
rated power	74W
rotor inertia	0.3 kg cm
weight	0.9 kg
Protection class	IP55

Dimensions - flow reversing valve VI6



Mod	a	b	c	d	e	f
VI-6	184	98	188	94	175	78

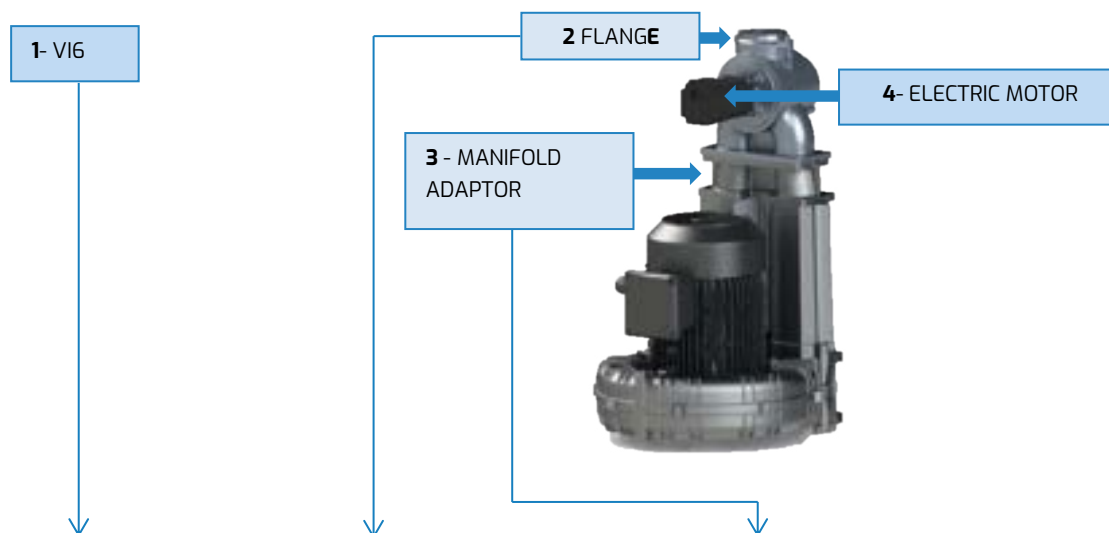
Mod	h	i	m	n	r	Ø
VI-6	10	105	7	10	85	2" - 1½"



Adapter for SCL K04

Adapter for SCL K05 – K06

Key for article codes



	SIZE	FLANGE CONNECTION	ADAPTER CONNECTION	EXECUTION
SCL K04-MS	DN 1 1/2"	WITHOUT FLANGE	n° 2 1035K0470001	A
		n° 1 FLANGE GAS 1 1/2"	n° 2 1035K0470001	B
		n° 1 FLANGE NPT 1 1/2"	n° 2 1035K0470001	C
		n° 1 HOSE UNION 1 1/2"	n° 2 1035K0470001	D
SCL K05-MS K06-MS	DN 2"	WITHOUT FLANGE	n°1 151306201001	E
		n° 1 FLANGE GAS 2"	n°1 151306201001	F
		n°1 FLANGE NPT 2"	n°1 151306201001	G
		n° 1 HOSE UNION 2"	n°1 151306201001	H

Example of choice, code flow reversing valve VI6 for SCL K04, flange GAS 1 1/2" electric motor 24VDC

VI6B50+0001

VI6	B	50 ¹	+	0001
VALVE	EXECUTION	LEVEL OF FINISH		PROGRESSIVE NUMBER

¹ Reference to VI-6 valve not painted

FLOW REVERSING VALVE

CHARACTERISTICS

- Manufactured in aluminum alloy
- Sliding switch
- Magnetic or pneumatic operation



FLOW REVERSING VALVE VS

The VS Flow Reversing Valve is used as an accessory for lateral channel blowers to change the flow over from pressure to vacuum and vice versa or change the channel from/to which the flow is directed.

The device operates by means of a sliding switch.

It has two different switch positions which make the device particularly versatile for various uses such as:

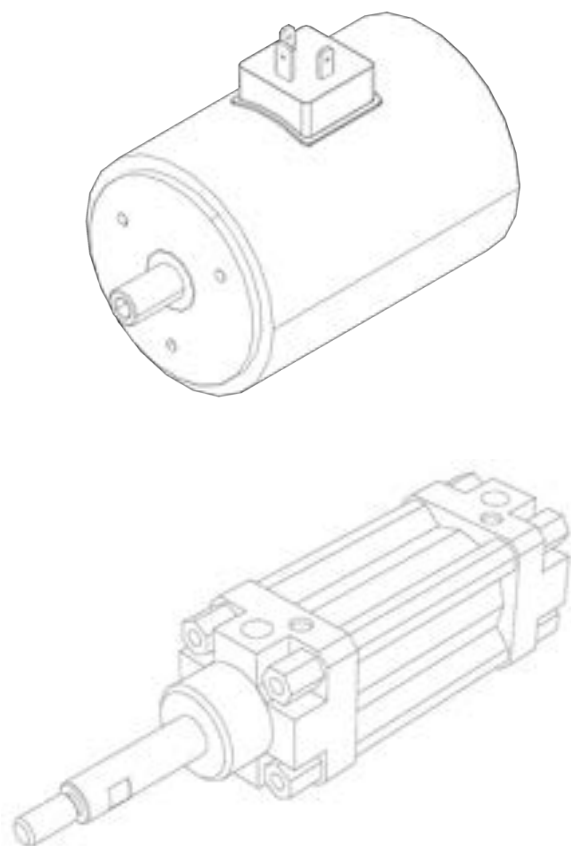
- Reversing flow from pressure to vacuum mode
- Channel changeover

TECHNICAL INFORMATION

The VS Flow Reversing valve is available with electrical control, or pneumatic control.

Entirely manufactured in aluminium alloy, it is not subject to contact and/or interference between the switch and the valve body

The "VS" valve comes in five versions with the option of a flanged GAS/NPT/hose fitting connection. (Refer to the page of codes to choose the versions and flange models).



ACTUATOR		
Electrical Actuator		
Thruster electromagnet		
ED insertion ratio	60% of the cycle time	
Maximum cycle time	5 min.	
Power	54W	56W
Standard power voltage	24Vcc	110-220 Vca
Operating temperature	-5°C - +40°C	
Pneumatic actuator		
Pneumatic thruster piston	Double effect	
Maximum pressure	10 Bar	
Air consumption	0.02 liter / cycle	
Operating temperature	-5°C - +70°C	

The drive system is dimensioned for continuous service and operates at : Switch movement 0.10 sec.

Conformity

The Flow Reversing valve conforms to:

- the Machinery Directive for which it is considered as a partly completed machine

FLOW REVERSING VALVE VS

ITEM CODIFICATION

VS

*

*

*

1 2 3 4 5

**

VALVE SIZE

6	DN 1 1/2" - 2"
8	DN 3

CONNECTIONS 1 - 4 - 5

NONE		
0	/	/
GAS THREADED FLANGE		
A	G 1 1/2"	1019402300004
B	G 2"	1019502000004
C	G 3"	1020702000004
NPT THREADED FLANGE		
T	NPT 1 1/2"	1019405300004
U	NPT 2"	1019505000004
V	NPT 3"	1020705000004
HOSE		
F	1 1/2"	1021402300004
H	2"	1021502000004
K	3"	1022702000001

SPECIAL VERSION

	STANDARD
A	WITHOUT SEAL RING

CONNECTIONS 2-3

VS6	VS8	SCL	MANIFOLD/ADAPTOR	Q.TY
ZI	-	K04-M5/TS	1035K0470001	2
ZL	-	K05-M5 K06-M5 K05-66	151306201001	1
ZE	-	K/e 07-M5	1513K0750001	1
ZJ	-	K/e 07R-MD K/e 08R-MD	1513K0760001	1
-	ZM	K05-TS	1513K0710001	1
-	ZD	K06-TS K/e 07-M5 K/e 08-M5	1513K0701001	1
-	ZC	K06-TS K/e 08-T5 K09-M5/MD K10-M5/MD	1513K0900001	1
-	ZG	K/e 11-M5/MD K12-M5/MD	1513K1100001	1

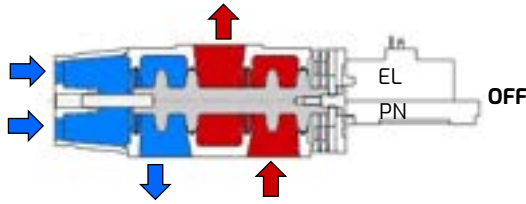
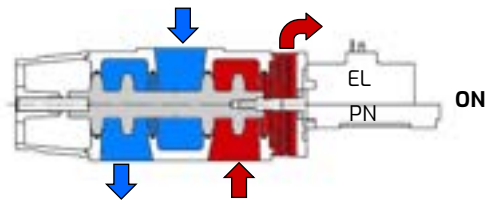
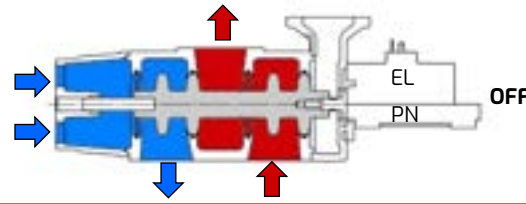
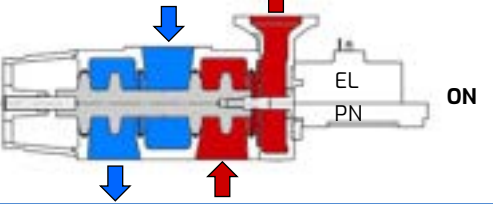
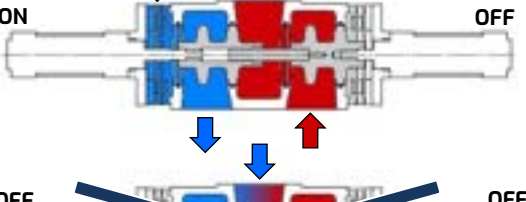
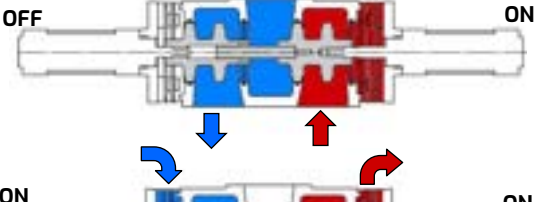
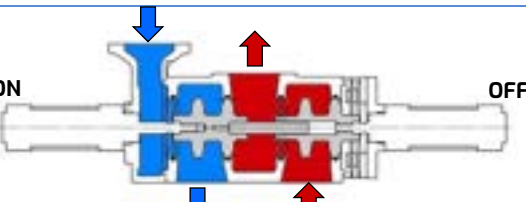
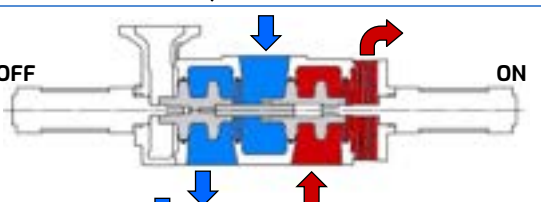
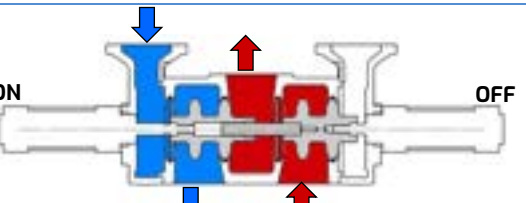
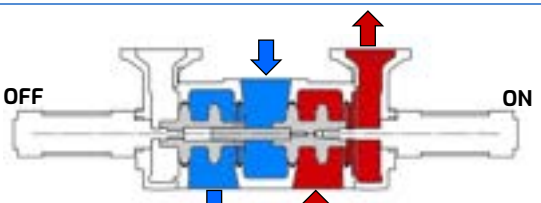
EXECUTION

SEE TABLE BELOW

DRIVE

ELECTRICAL	
EA	24 CC
ED	110 CA
EF	220 CA
PNEUMATIC	
P2	Double effect

FLOW REVERSING VALVE VS

EXECUTION	
	EXECUTION O
	
	EXECUTION P
	
	EXECUTION Y
	
	EXECUTION H
	
	EXECUTION K
	

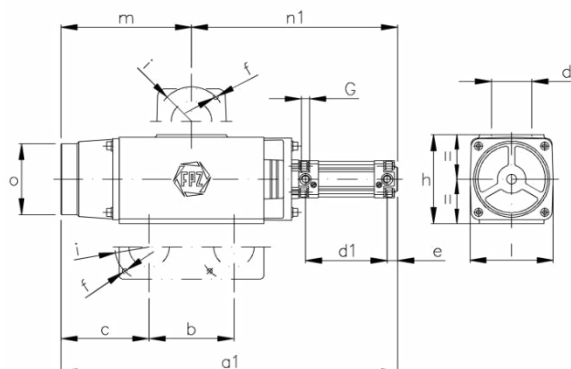
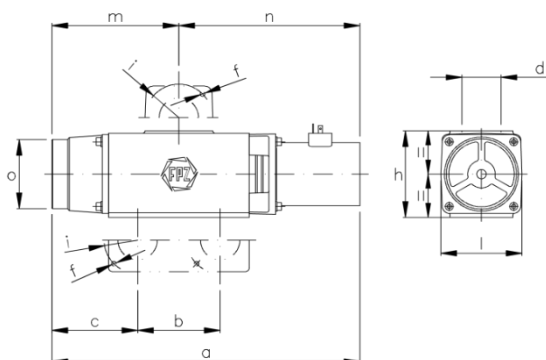
FLOW REVERSING VALVE VS

DIMENSIONS (O/P)

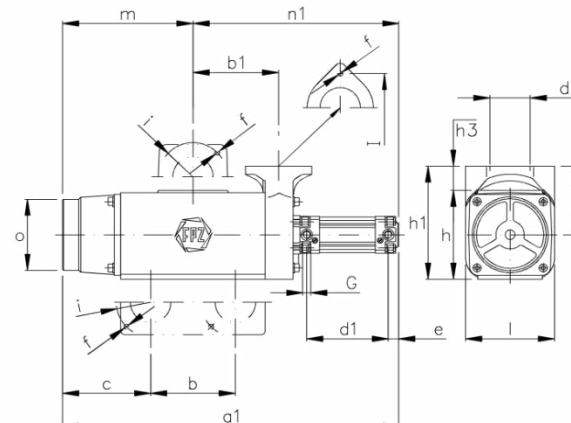
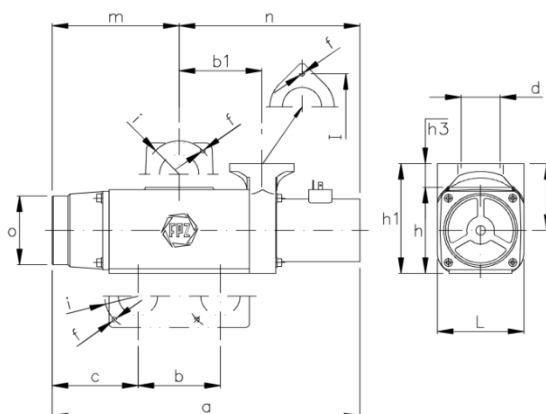
Overall dimensions with electric actuator

Overall dimensions with pneumatic drive

VERSION O



VERSION P

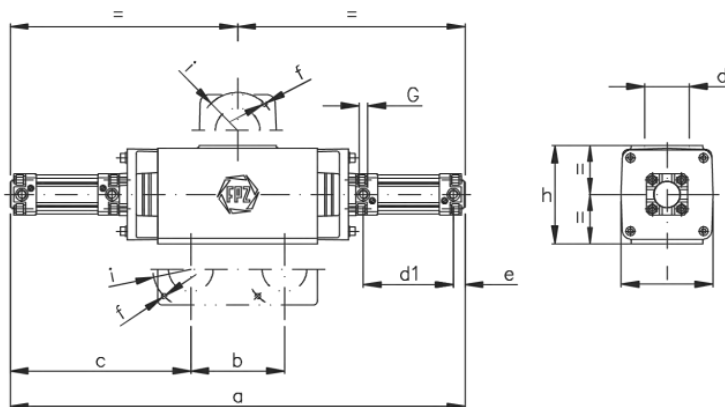


Mo d	a	a1	b	b1	c	d	d1	e	f	G	H	h1	h2	h3	i	l	m	n	n1	o
VS-6	392	417	105	106	109	101	50	13	2xM6	1/8"	110	140	85	30	85	110	162	230	255	88
VS-8	485	510	152	165	134	101	80	13	4xM6	1/8"	160	225	145	65	120	150	210	275	300	110

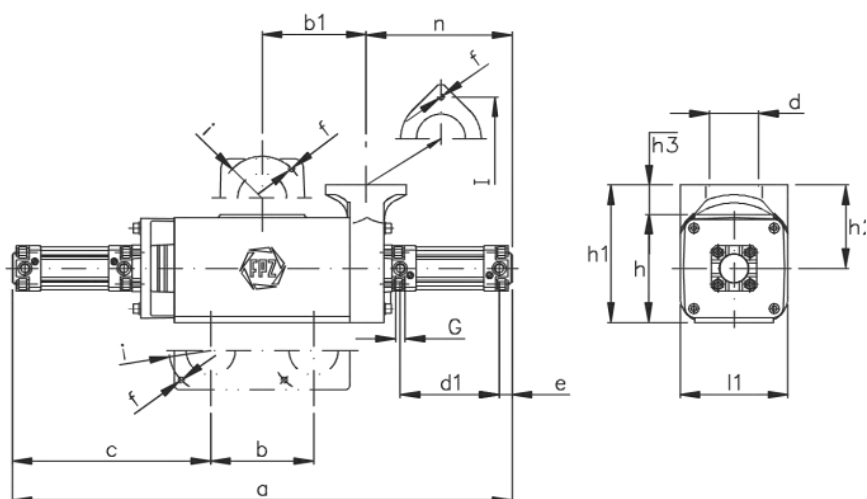
DIMENSIONS (Y/H/K)

Overall dimensions with pneumatic drive

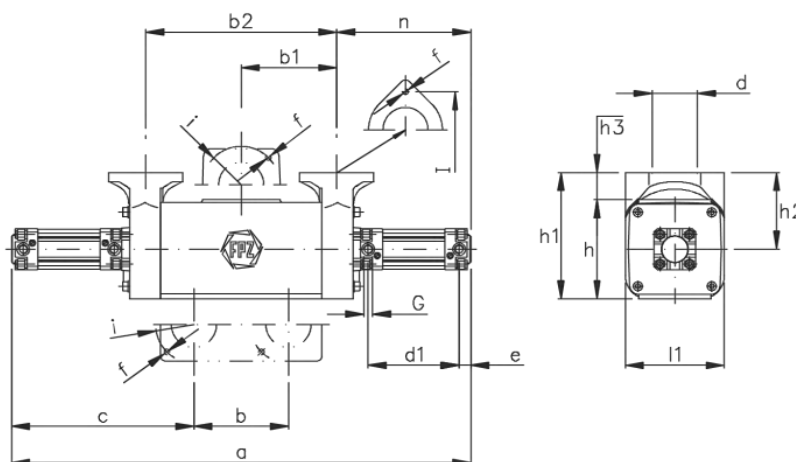
VERSION Y



VERSION H



VERSION K



Mod	CONTROL	a	b	b1	B2	c	d	d1	e	f	G	h	h1	h2	h3	i	l	l1	n
V5-6	PNEUMATIC	510	10 5	106	212	203	50	101	13	2xM6	1/8"	110	140	85	30	85	100	110	149
V5-8	PNEUMATIC	600	152	165	330	224	80	101	13	4xM6	1/8"	160	225	145	65	120	150	150	135

Contacts

FPZ S.p.A.

Via Fratelli Cervi 16, 20863 Concorezzo, Italy
+39 039 690981 - info@fpz.com

FPZ Austria GmbH

Kremstalstraße 53, 3500 Krems, Austria
+43 2732 90880 - vertrieb@fpz.com

FPZ France S.a.r.l

Parc Eurogal, 119 route d'Heyrieux, 69800 St. Priest, France
+33 472 501313 - france@fpz.com

FPZ, Inc

150 N. Progress Drive, Saukville WI 53080, U.S.A.
+1 262 268-0180 - usa@fpz.com

FPZ México

Volcán Popocatepetl 5448, Col. El Colli Urbano, 45070 Zapópan Jal., México
+52 33 3634 3215 - mexico@fpz.com

FPZ Middle East

Dubai, United Arab Emirates
+971 58 544 96 97 - middleeast@fpz.com

FPZ Spain

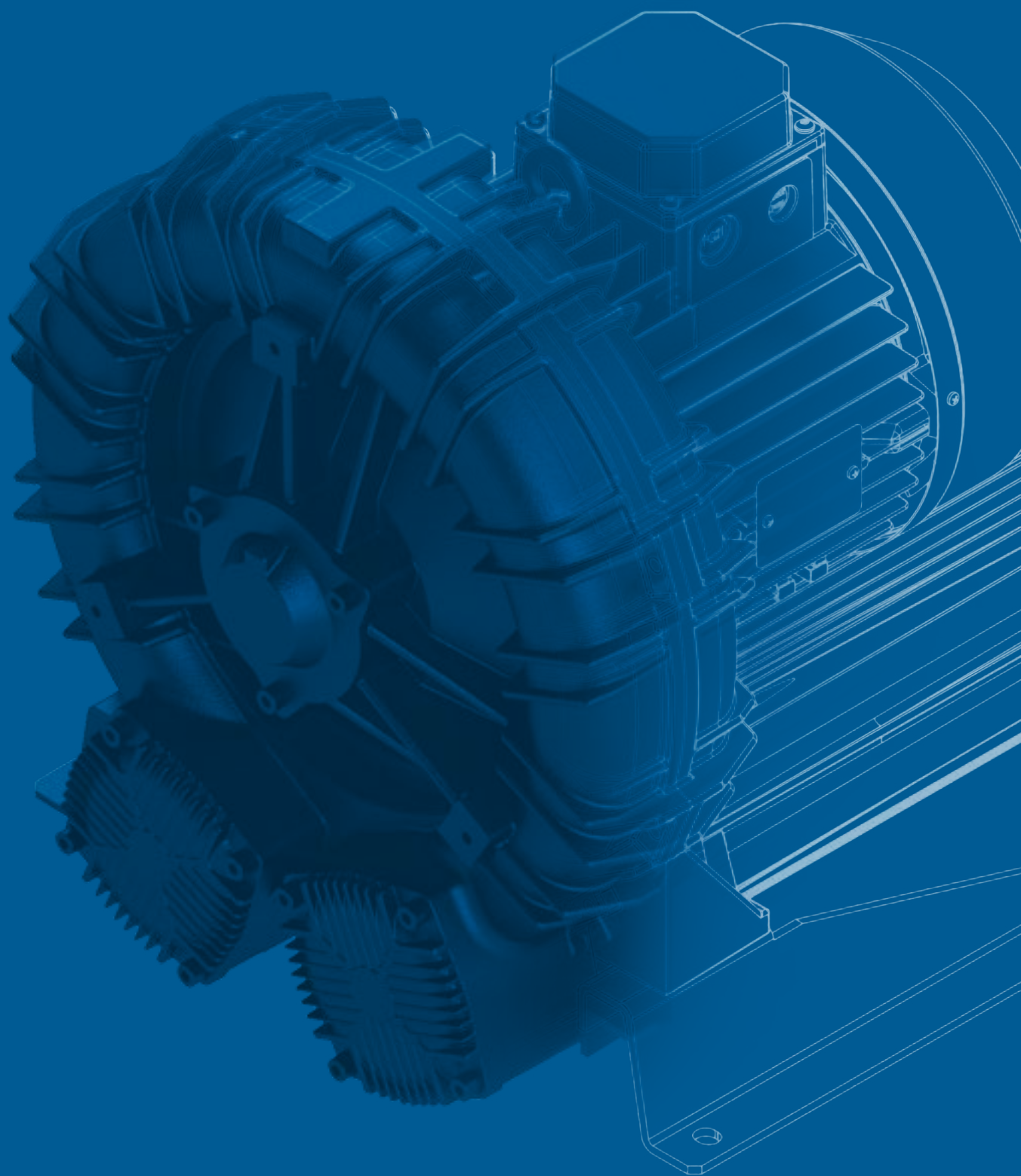
+34 607 623203 - carlos.rafales@fpz.com

FPZ Turkey

Dudullu OSB. Mah. İmes San. Sit. B205 Sk. No.22 Umraniye/Istanbul/Turkey
+90 216 365 6526 - turkey@fpz.com

FPZ UK Ltd.

8 Winchester Gardens, Andover, Hampshire SP10 9GN, United Kingdom
+44 1264 889001 - uk@fpz.com



Discover more on www.fpz.com



FPZ

Worldwide
sales network



Direct presence

FPZ UK Ltd.
Andover Hampshire, UK

**FPZ Austria GmbH
& Germany**
Krems, Austria

FPZ France S.a.r.l.
St. Priest, France

FPZ España & Portugal
Spain

FPZ Russia
Moscow, Russia

FPZ Turkey
Istanbul, Turkey

FPZ, Inc.
Saukville, Wisconsin, USA

FPZ México
Zapopan, Jalisco, México

FPZ Middle East
Dubai, United Arab Emirates

Agents and
distributors

Headquarter

FPZ
Concorezzo (MB), Italy

T. +39 039 690981
info@fpz.com

www.fpz.com

4
production plants

9
subsidiary branches

70
countries