Technical Characteristics

- Aluminum alloy construction
- Smooth operation
- Maintenance free

Electric Motor

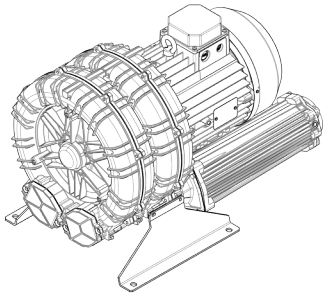
- Motors with IP 55 protection rating.
- class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

Options

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

~3	[V] (Δ / Y)		
	<= 4 kW	> 4 kW	[Hz]
IE2	230 / 400	400 / 690	50
	265 / 460	460 / 795	60
Wide Range	200 – 240 / 345 – 415	345 – 415 / 600 - 720	50
	220 – 280 / 380 - 480	380 – 480 / 660 - 830	60

Supply voltage - *IE2 only at 50 Hz - Tolerance on the fixed voltage value ± 10%, in range ± 5%.*

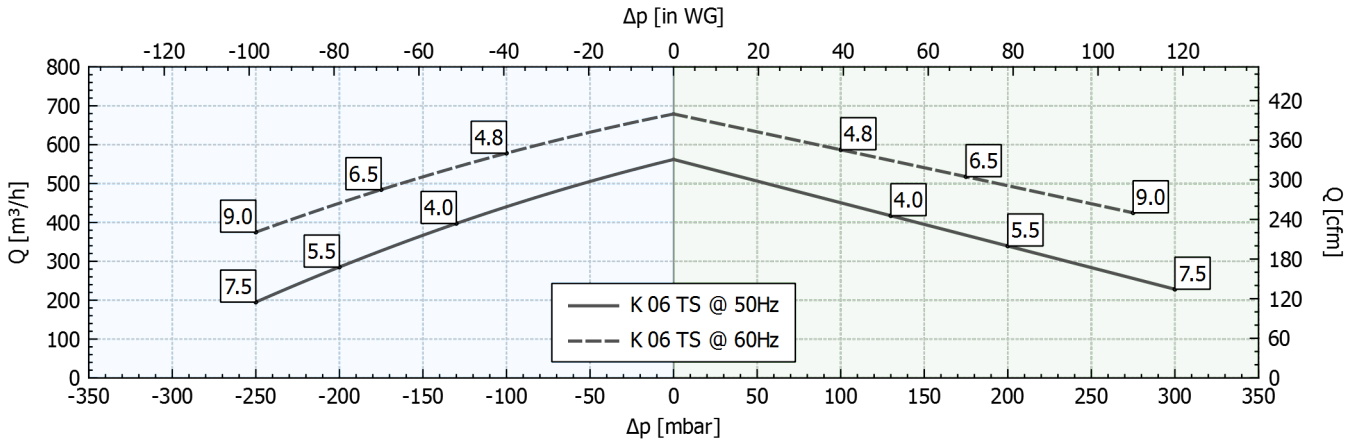


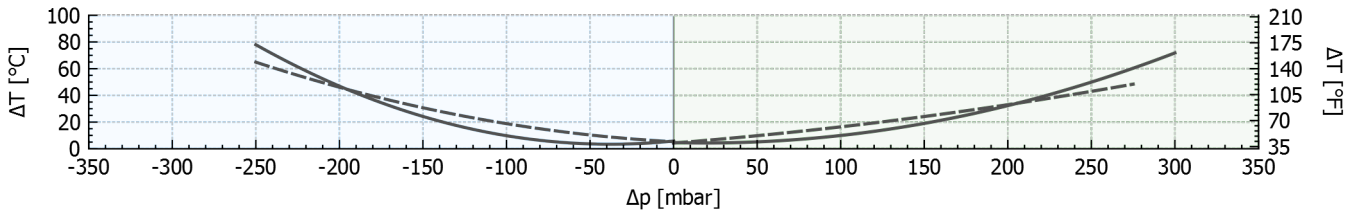
Perfomance Table

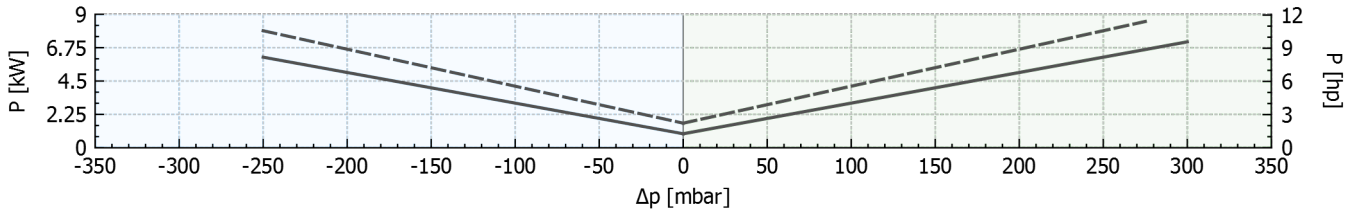
P_n [kW]	Frequency [Hz]	Δpmax$_{max}$ [mbar]		Q_{max} [m³/h]	Leq[1] [dB(A)]	Weight [kg]	H[3] [mm]	Current Consumption (Δ / Y) [A]		CosØ [-]	Speed [rpm]
		Suction	Compression					IE2[2]	Range		
4	50	130	130	562	74.8	55.5	500	8.12 / 14.05	8.80-8.26 / 15.2-14.3	0.82	2910
4.8	60	100	100	679	76.8	55.5	500	8.10 / 14.03	9.37-8.10 / 16.2-14.0	0.84	3480
5.5	50	200	200	562	74.8	71.5	585	6.40 / 11.1	6.81-6.75 / 11.8-11.7	0.8	2940
6.5	60	175	175	679	76.8	71.5	585	6.38 / 11.1	7.21-6.47 / 12.5-11.2	0.84	3535
7.5	50	250	300	562	74.8	76.5	585	9.06 / 15.7	9.18-9.47 / 15.9-16.4	0.78	2940
9	60	250	275	679	76.8	76.5	585	8.86 / 15.34	9.87-9.00 / 17.1-15.6	0.83	3530

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. IE2 only at 50 Hz.
3. See figure "dimensions" at following page.

SUCTION **COMPRESSION**

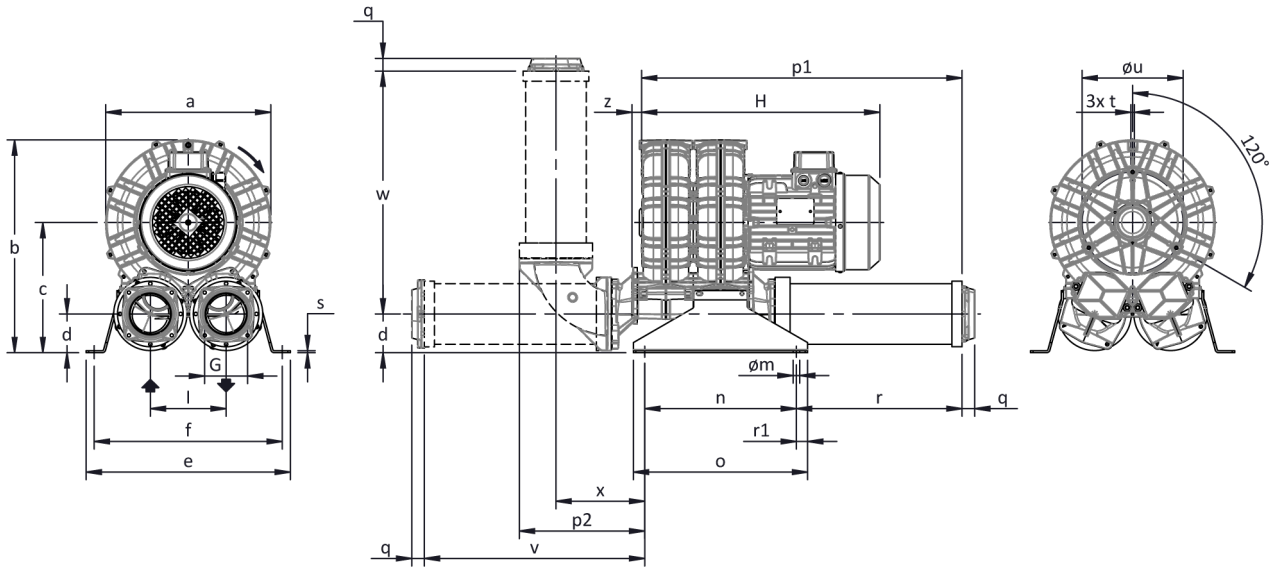






Tolerance on indicated values ± 10%.
Data subject to change without notice.
Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

Dimensions



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

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**	**150**	**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.