FPZ BLOWER TECHNOLOGY

ENERGOEKONOM spol. s r.o.

SERIES K-MS MOR

ATEX II 2G/3G c T3 VERSION

Data sheet

LATERAL CHANNEL BLOWERS-EXHAUSTERS

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller
- Protection treatment of surfaces
- For Group IIB classified gases and Biogas
- Connection for flange PN16 DN50 complying with UNI EN 1092-1
-

OPTIONS

- Without condensate drain
- Motors IP65
- Special Voltages (IEC 60038)


CE 0425

ICIM

Attestato di Esame CE del Tipo
EC-Type Examination Certificate

Certificato N.
Certificate N. 0425 ATEX 2645

ICIM S.p.A. - Identification Number: 0425
Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI) - ITALY

FPZ S.p.A.
Via F.lli Cervi, 15
20863 Concorezzo (MB)

Soffiante a canale laterale

SCL 406-MS MOR ATEX 3G – SCL 406-MS MOR ATEX 2G

vedi allegato/see Annex

ICIM S.p.A.

02/04/2014 | 02/04/2014 | 01/04/2024

COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

PRESSURE

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size[3]	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] [kg]
K05-MS	**1,5**	1,8	207	250	90S	150	125	74,9	75,9	28
	2,2	2,6	207	250	90L	250	225	75,6	77,3	31
K06-MS	**3**	3,6	305	364	100L	200	175	79,9	81,7	35
	4	4,8	305	364	112M	300	275	81,3	83,4	50

VACUUM

Model	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m³/h]	Q max 3500 rpm [m³/h]	Size[3]	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] [kg]
K05-MS	**1,5**	1,8	207	250	90S	150	150	73	75,2	28
	2,2	2,6	207	250	90L	225	225	74,5	77	31
K06-MS	**3**	3,6	305	364	100L	200	175	73,4	77,9	35
	4	4,8	305	364	112M	225	250	75	79,8	50

SPECIFICATIONS

BLOWER:

- Classification ATEX II 2Gc T3
- Complete with condensate drain

MOTOR:

- Classification ATEX II 3G T3 / 3D T125°C
- Including bimetal thermal switch

INSTALLATION

- For proper operation of the machine it must be equipped with a suction ATEX FILTER.
- Permissible suction and ambient temperature from -15° to +40°C
- Read the instructions carefully before installing the machine
- Data not binding and subject to change without notice
- Horizontal only

[1] Noise 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 if MOR range, without motor if GOR or GVR range.
[3] Electric motor's construction form.

N: Installed motor power Q: Flow rate ΔP: Differential pressure Leq: Noise level

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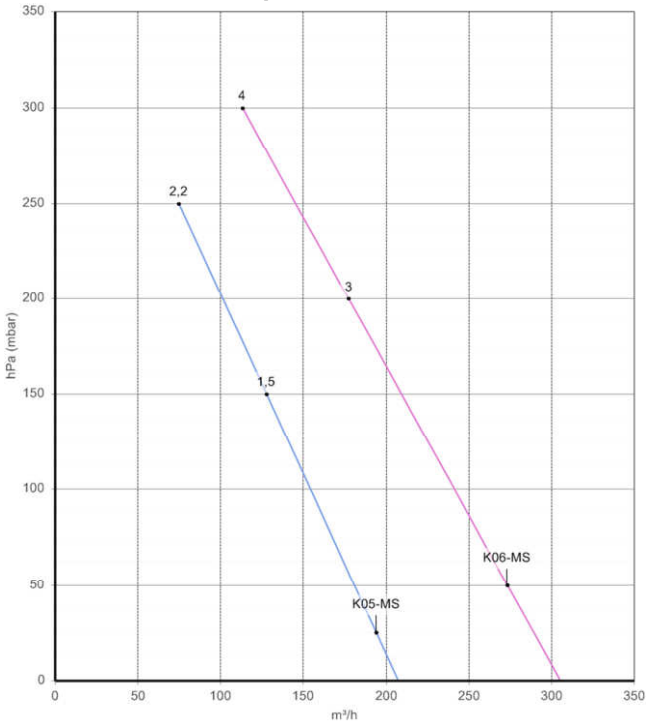
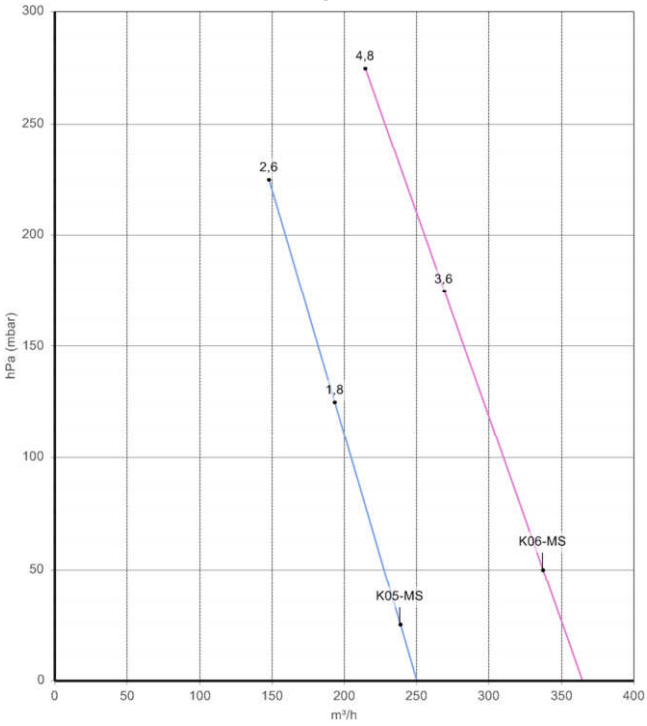
PRESSURE

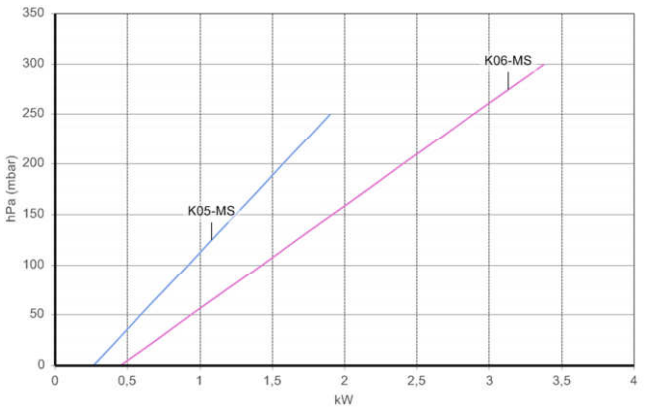
2900 rpm (50 Hz)

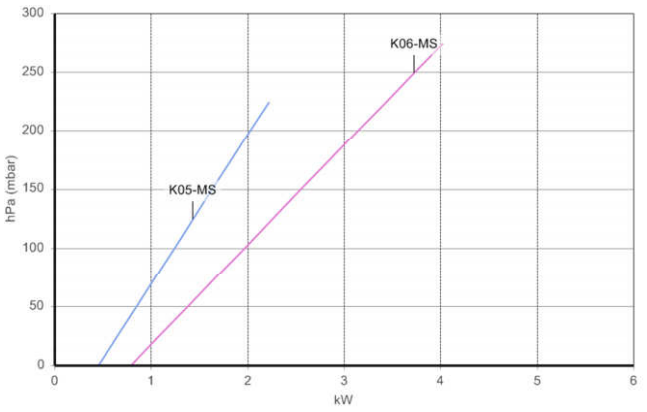


3500 rpm (60 Hz)

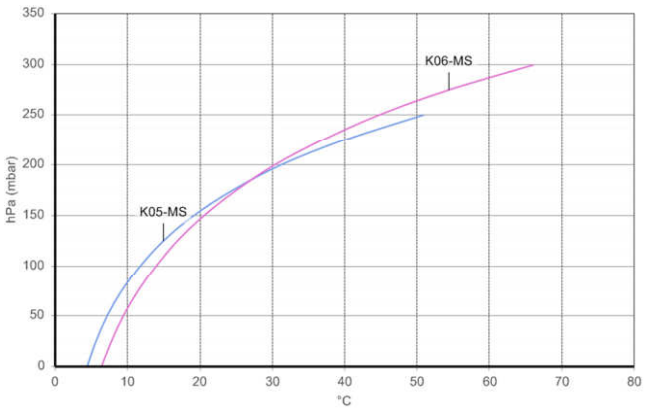


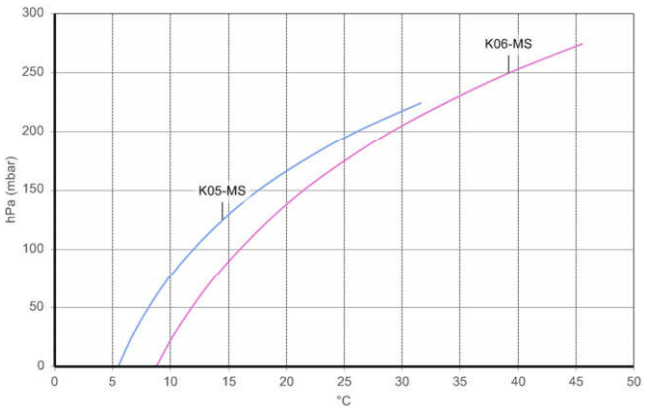
FLOW RATE





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.

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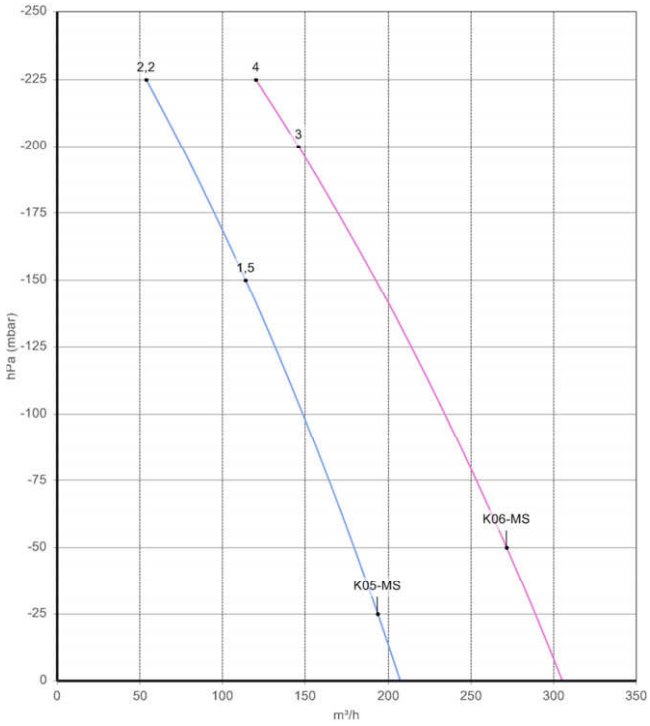
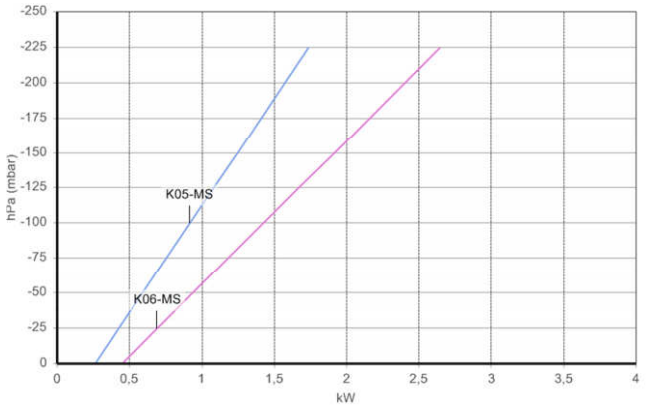
VACUUM

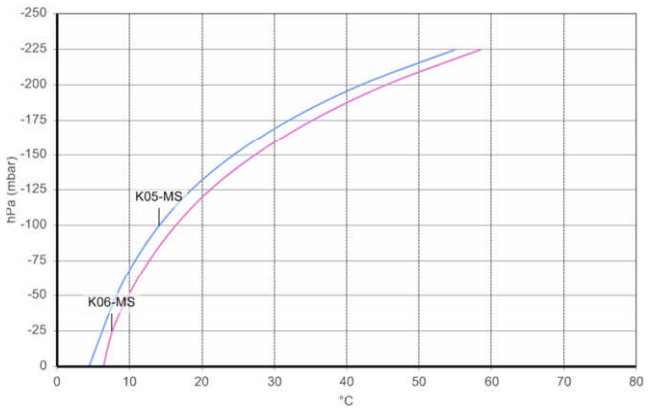
2900 rpm (50 Hz)



FLOW RATE

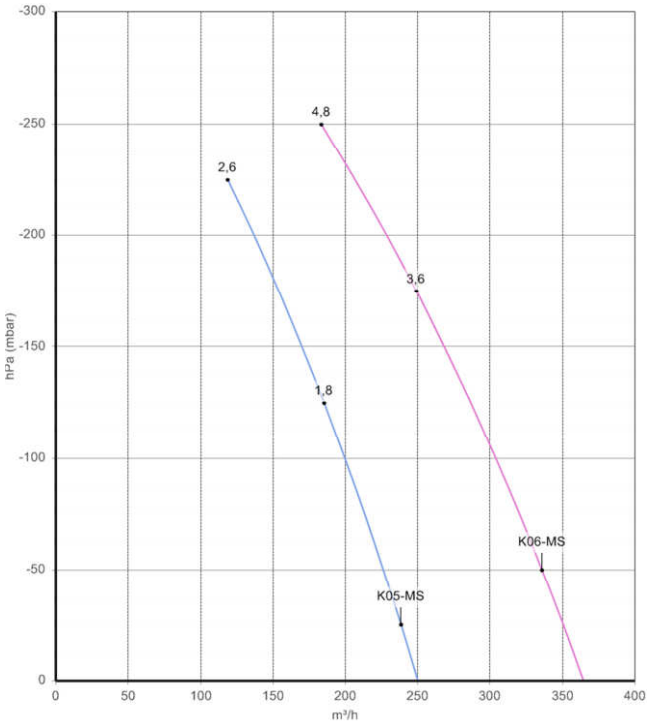


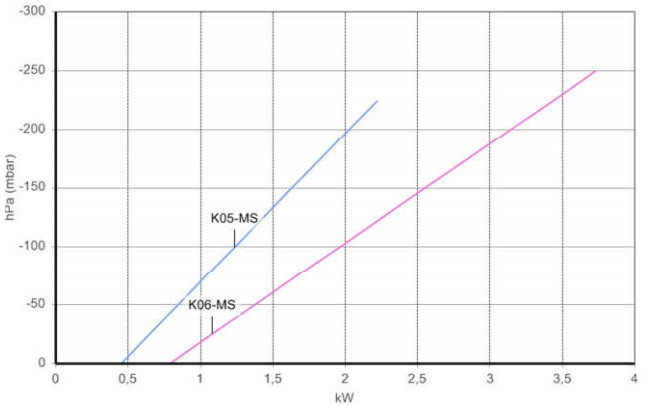
ABSORBED POWER

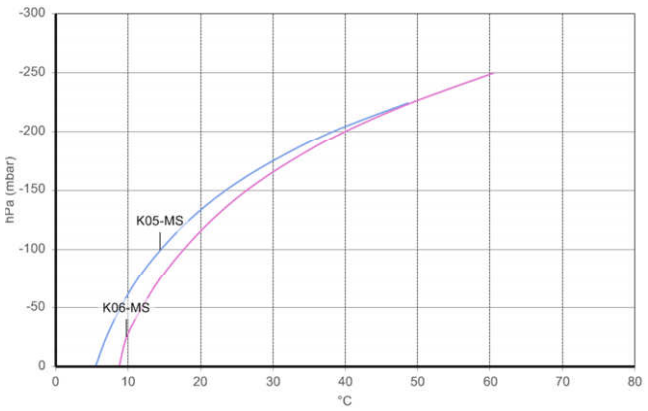


TEMPERATURE INCREASE

3500 rpm (60 Hz)







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

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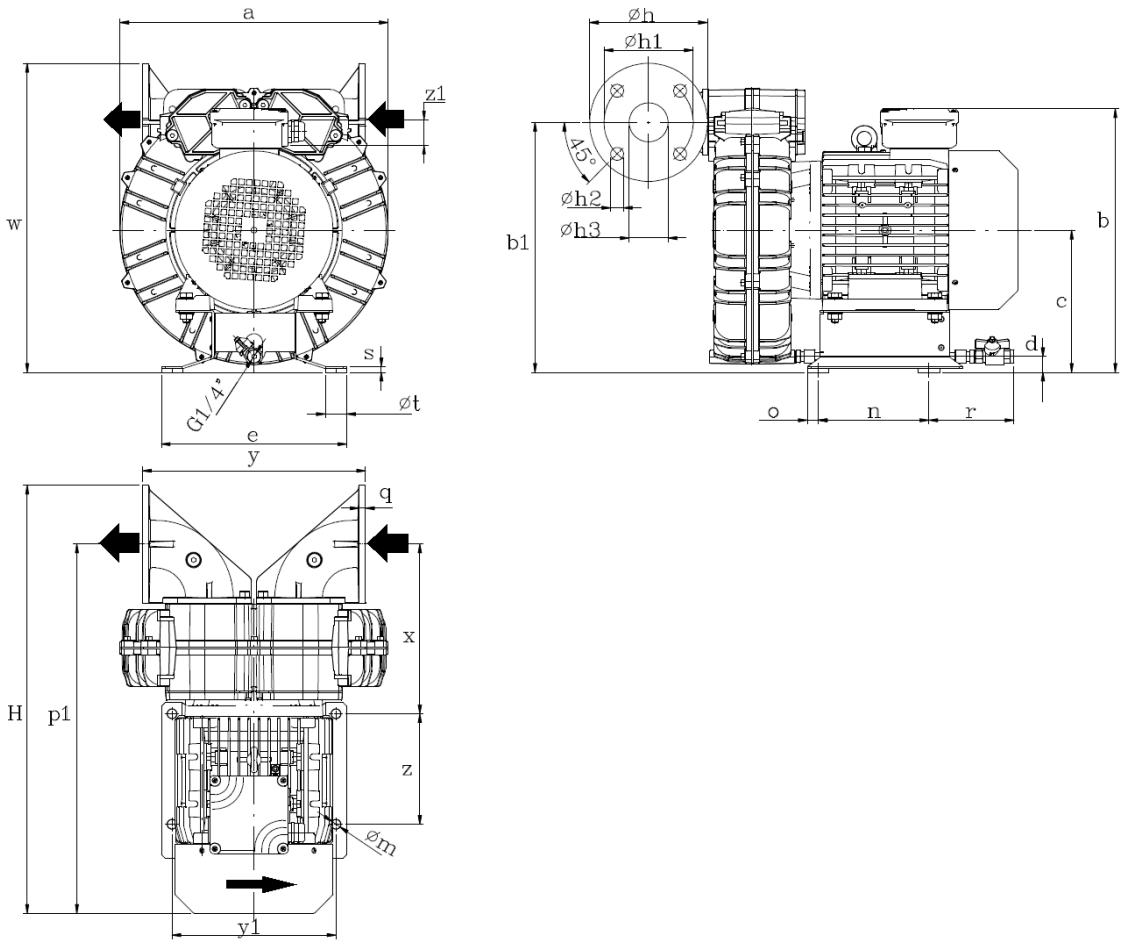
DIMENSIONS (K05-MS/K06-MS)



Dimensions in mm - FOR REFERENCE ONLY

Model	E.M.	a	b	b1	c	d	e	H	h
K05-MS	90S	327	336	334	189	35	260	552	165
K05-MS	90L	327	336	334	189	35	260	552	165
K06-MS	100L	376	353	350	199	22	260	582	165
K06-MS	112M	376	369	350	199	22	260	601	165

Model	h1	h2	h3	m	n	o	p1	q	r
K05-MS	125	18	54,5	13	155	43	469	9	97
K05-MS	125	18	54,5	13	155	43	469	9	97
K06-MS	125	18	54,5	13	155	20	499	9	120
K06-MS	125	18	54,5	13	155	15,5	518	9	120

Model	s	t	w	x	y	y1	z	z1
K05-MS	8	30	416	240	308	230	155	M25X1.5
K05-MS	8	30	416	240	308	230	155	M20X1.5
K06-MS	8	30	432	238	313	230	155	M25X1.5
K06-MS	8	30	433	238	313	230	155	M25X1.5

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