

**FPZ**  
BLOWER TECHNOLOGY

# SERIES K-MS MOR

VERSIONE ATEX II 2G c T3

## 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

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



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



Data sheet

LATERAL CHANNEL BLOWERS-EXHAUSTERS

### PRESSURE

Mod	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m <sup>3</sup> /h]	Q max 3500 rpm [m <sup>3</sup> /h]	Gr. <sup>3</sup>	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq <sup>1</sup> 2900 rpm (Lp)(dB(A))	Leq <sup>1</sup> 3500 rpm (Lp)(dB(A))	Weight <sup>2</sup> max [kg]
K05-MS	1,5	1,8	207	250	90S	150	125	74,9	75,9	46,5
	2,2	2,6	207	250	90L	250	225	75,6	77,3	49,5
K06-MS	3	3,6	305	364	90L	200	175	79,9	81,7	55
	4	4,8	305	364	100L	300	275	81,3	83,4	66

### VACUUM

Mod	N 2900 rpm [kW]	N 3500 rpm [kW]	Q max 2900 rpm [m <sup>3</sup> /h]	Q max 3500 rpm [m <sup>3</sup> /h]	Gr. <sup>3</sup>	ΔP max 2900 rpm [hPa](mbar)	ΔP max 3500 rpm [hPa](mbar)	Leq <sup>1</sup> 2900 rpm (Lp)(dB(A))	Leq <sup>1</sup> 3500 rpm (Lp)(dB(A))	Weight <sup>2</sup> max [kg]
K05-MS	1,5	1,8	207	250	90S	150	150	73	75,2	46,5
	2,2	2,6	207	250	90L	225	225	74,5	77	49,5
K06-MS	3	3,6	305	364	90L	200	175	73,4	77,9	55
	4	4,8	305	364	100L	225	250	75	79,8	66

### SPECIFICATIONS

#### BLOWER:

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

#### MOTOR:

- Classification ATEX II 2G T3
- Including PTC protection

### 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

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

<sup>2</sup> Value refers to the weight of the machine with 3 Phase motor if MOR range, without motor if GOR or GVR range.

<sup>3</sup> Electric motor's construction form.

N: Installed motor power

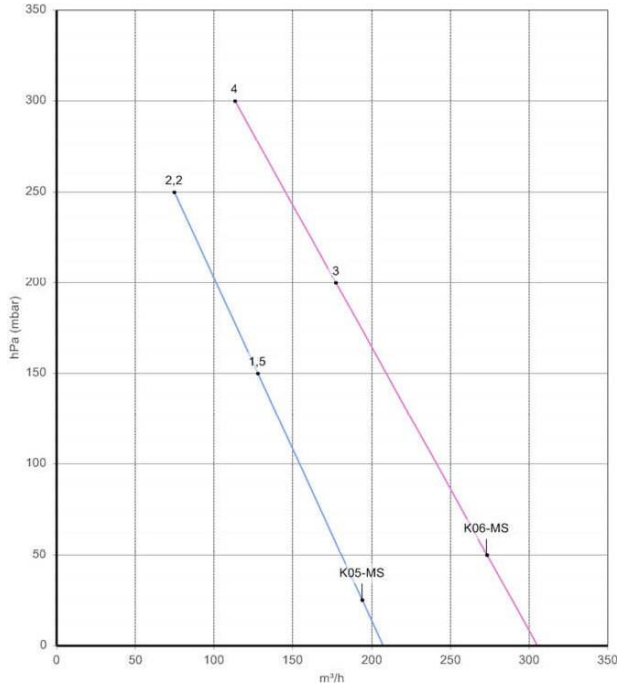
Q: Flow rate

ΔP: Differential pressure

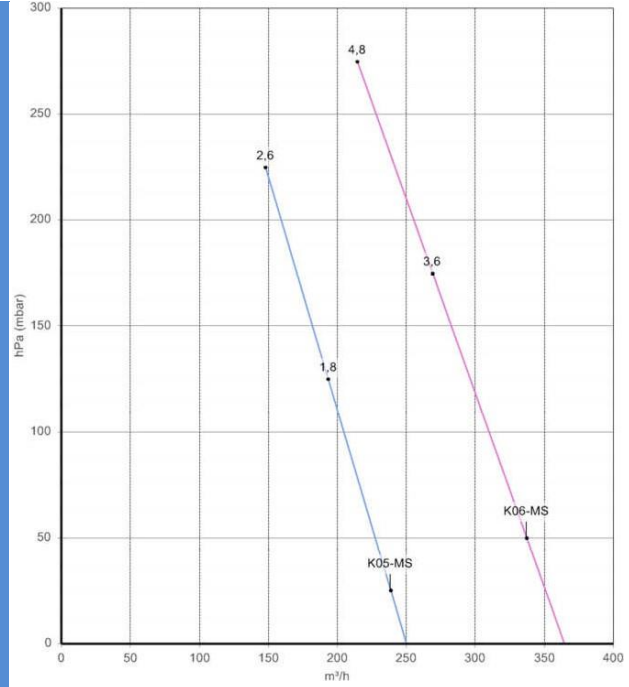
Leq: Noise level

### PRESSURE

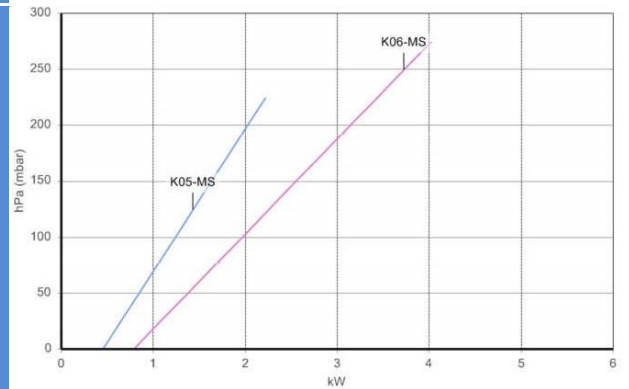
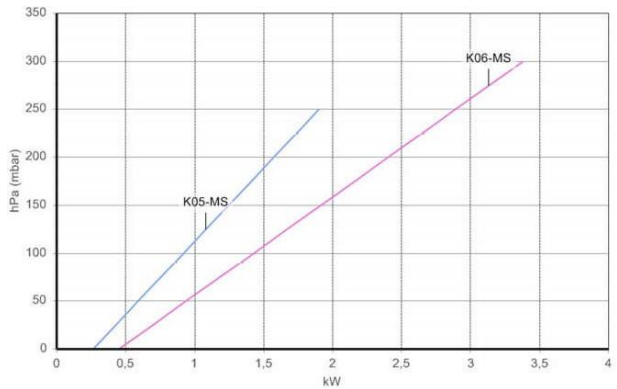
2900 rpm (50 Hz)



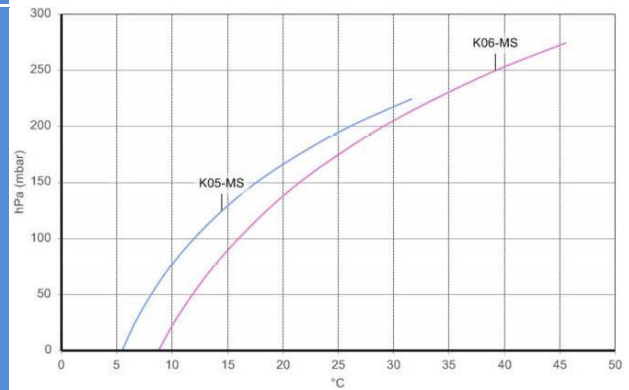
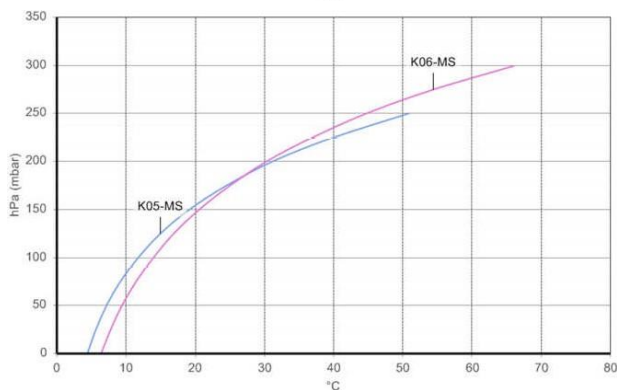
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER

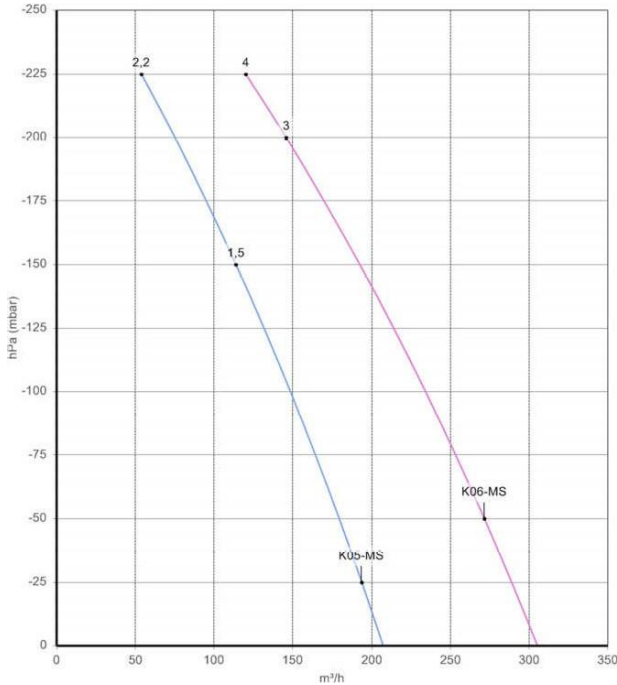


TEMPERATURE INCREASE

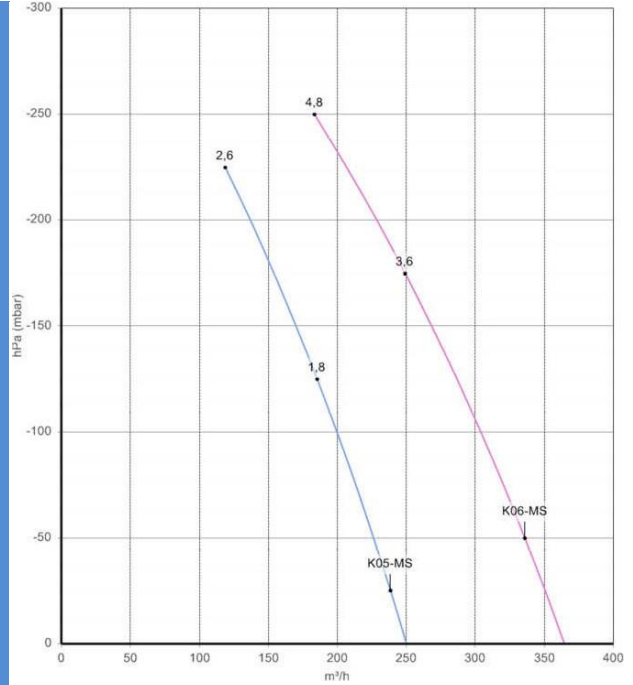
Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port. Values for flow, power consumption and temperature rise: ±10% tolerance. Data can change without prior notice.

### VACUUM

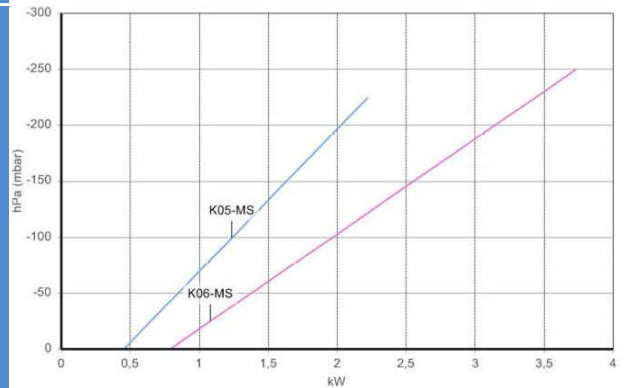
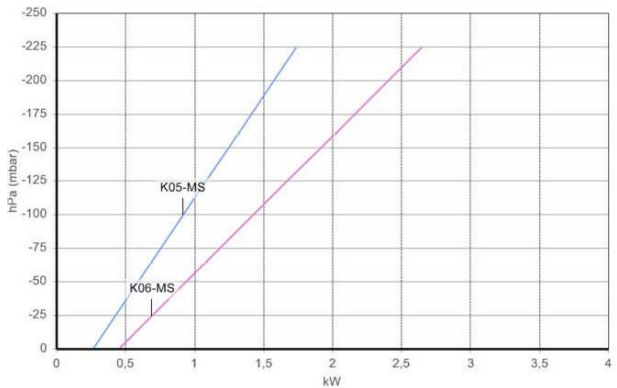
#### 2900 rpm (50 Hz)



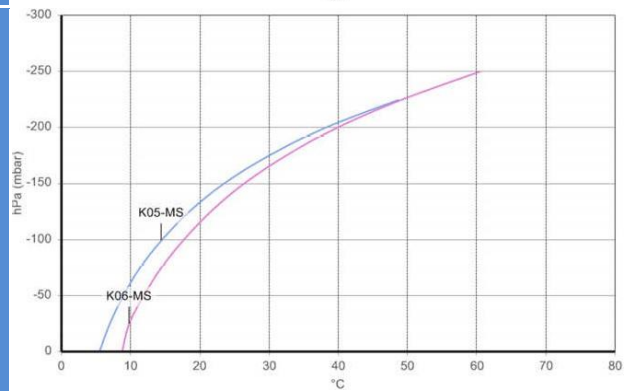
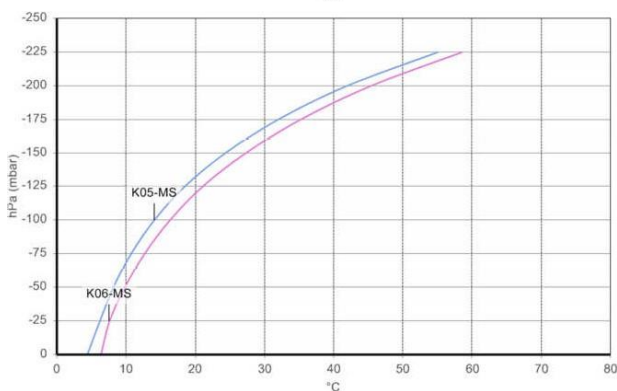
#### 3500 rpm (60 Hz)



FLOW RATE

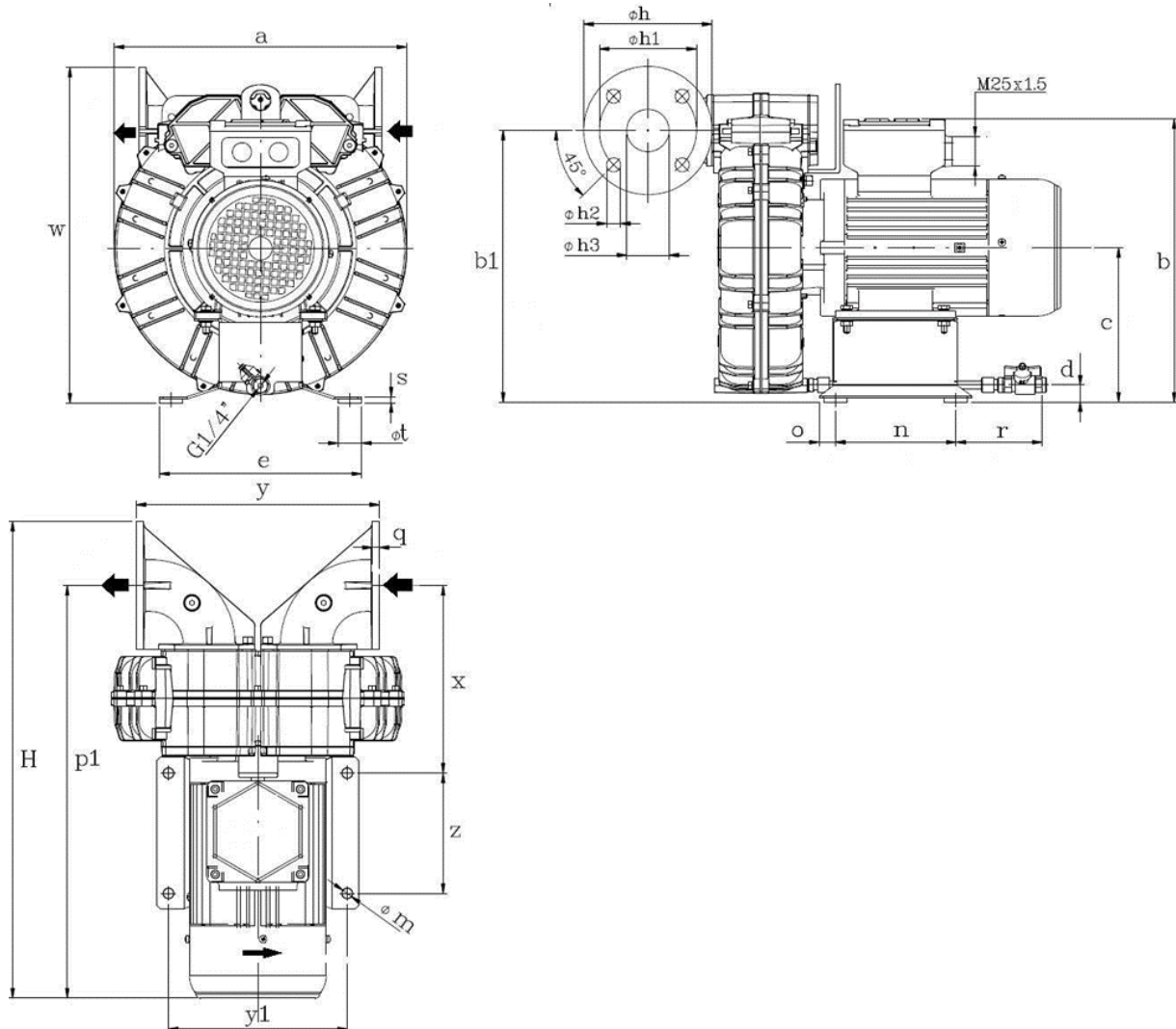


ABSORBED POWER



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.

**DIMENSIONS (K05-MS/K06-MS)**


Dimensions in mm - FOR REFERENCE ONLY

Mod	M.E.	a	b	b1	c	d	e	H
K05-MS	90S	327	354	334	189	35	260	580
K05-MS	90L	327	354	334	189	35	260	600
K06-MS	90L	376	364	350	199	22	260	614
K06-MS	100L	376	383	350	199	22	260	671

Mod	h	h1	h2	h3	m	n	o	p1
K05-MS	165	125	18	54.5	13	155	43	497
K05-MS	165	125	18	54.5	13	155	43	517
K06-MS	165	125	18	54.5	13	155	21	532
K06-MS	165	125	18	54.5	13	155	20	589

Mod	q	r	s	t	w	x	y	y1	z
K05-MS	9	113	8	30	416	225	308	230	155
K05-MS	9	113	8	30	416	225	308	230	155
K06-MS	9	111	8	30	432	242	313	230	155
K06-MS	9	108	8	30	432	244	313	230	155