



# TMD ATEX II 2G c T3 VERSION

- Aluminium alloy construction
- High efficiency impeller
- Surface treatments
- Certified by ICIM with Cert. n.0425 ATEX 2493

- **Special Voltages (IEC 60038)**



## LATERAL CHANNEL BLOWERS-EXHAUSTERS



## PRESSURE

| Model  | N<br>2900 rpm<br>[kW] | N<br>3500 rpm<br>[kW] | Q max<br>2900 rpm<br>[m³/h] | Q max<br>3500 rpm<br>[m³/h] | Size <sup>3</sup> | ΔP max<br>2900 rpm<br>[hPa](mbar) | ΔP max<br>3500 rpm<br>[hPa](mbar) | Leq <sup>1</sup><br>2900 rpm<br>(Lp)[dB(A)] | Leq <sup>1</sup><br>3500 rpm<br>(Lp)[dB(A)] | Weight <sup>2</sup><br>max<br>[kg] |
|--------|-----------------------|-----------------------|-----------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------------|---------------------------------------------|---------------------------------------------|------------------------------------|
| K07-MS | 4                     | 4                     | 397                         | 480                         | 112 B5            | 225                               | 175                               | 77                                          | 79                                          | 64                                 |
|        | 5,5                   | 5,5                   | 397                         | 480                         | 132 B5            | 300                               | 250                               | 77,3                                        | 79,3                                        | 68,5                               |
|        | 7,5                   | 7,5                   | 397                         | 480                         | 132 B5            | -                                 | 350                               | -                                           | 79,6                                        | 68,5                               |
| K08-MS | 5,5                   | 5,5                   | 501                         | 605                         | 132 B5            | 220                               | 175                               | 78                                          | 80                                          | 73                                 |
|        | 7,5                   | 7,5                   | 501                         | 605                         | 132 B5            | 325                               | 250                               | 78,3                                        | 80,3                                        | 73                                 |
|        | 11                    | 11                    | 501                         | 605                         | 160 B5            | -                                 | 375                               | -                                           | 80,6                                        | 76                                 |
| K09-MS | 5,5                   | 5,5                   | 657                         | 792                         | 132 B5            | 175                               | 100                               | 78,2                                        | 80,2                                        | 87                                 |
|        | 7,5                   | 7,5                   | 657                         | 792                         | 132 B5            | 250                               | 175                               | 78,5                                        | 80,5                                        | 87                                 |
|        | 11                    | 11                    | 657                         | 792                         | 160 B5            | 350                               | 300                               | 79                                          | 81                                          | 90                                 |
|        | 15                    | 15                    | 657                         | 792                         | 160 B5            | -                                 | 400                               | -                                           | 81,3                                        | 90                                 |
| K10-MS | 7,5                   | 7,5                   | 784                         | 946                         | 132 B5            | 175                               | 125                               | 79,4                                        | 81,4                                        | 88                                 |
|        | 11                    | 11                    | 784                         | 946                         | 160 B5            | 275                               | 225                               | 79,6                                        | 81,6                                        | 91                                 |
|        | 15                    | 15                    | 784                         | 946                         | 160 B5            | 400                               | 350                               | 80                                          | 82                                          | 91                                 |
|        | 18,5                  | 18,5                  | 784                         | 946                         | 160 B5            | -                                 | 400                               | -                                           | 84,9                                        | 91                                 |
| K11-MS | 7,5                   | 7,5                   | 889                         | 1073                        | 132 B5            | 125                               | -                                 | 80                                          | -                                           | 92                                 |
|        | 11                    | 11                    | 889                         | 1073                        | 160 B5            | 225                               | 175                               | 80,4                                        | 82,4                                        | 95                                 |
|        | 15                    | 15                    | 889                         | 1073                        | 160 B5            | 375                               | 275                               | 80,7                                        | 82,7                                        | 95                                 |
|        | 18,5                  | 18,5                  | 889                         | 1073                        | 160 B5            | -                                 | 375                               | -                                           | 85,6                                        | 95                                 |

## VACUUM

| Model  | N<br>2900 rpm<br>[kW] | N<br>3500 rpm<br>[kW] | Q max<br>2900 rpm<br>[m³/h] | Q max<br>3500 rpm<br>[m³/h] | Size <sup>3</sup> | ΔP max<br>2900 rpm<br>[hPa](mbar) | ΔP max<br>3500 rpm<br>[hPa](mbar) | Leq <sup>1</sup><br>2900 rpm<br>(Lp)[dB(A)] | Leq <sup>1</sup><br>3500 rpm<br>(Lp)[dB(A)] | Weight <sup>2</sup><br>max<br>[kg] |
|--------|-----------------------|-----------------------|-----------------------------|-----------------------------|-------------------|-----------------------------------|-----------------------------------|---------------------------------------------|---------------------------------------------|------------------------------------|
| K07-MS | 4                     | 4                     | 397                         | 480                         | 112 B5            | 225                               | 175                               | 76                                          | 78                                          | 64                                 |
|        | 5,5                   | 5,5                   | 397                         | 480                         | 132 B5            | 250                               | 250                               | 76,3                                        | 78,3                                        | 68,5                               |
|        | 7,5                   | 7,5                   | 397                         | 480                         | 132 B5            | -                                 | 300                               | -                                           | 78,6                                        | 68,5                               |
| K08-MS | 5,5                   | 5,5                   | 501                         | 605                         | 132 B5            | 220                               | 160                               | 77,1                                        | 79,1                                        | 73                                 |
|        | 7,5                   | 7,5                   | 501                         | 605                         | 132 B5            | 275                               | 250                               | 77,7                                        | 79,4                                        | 73                                 |
|        | 11                    | 11                    | 501                         | 605                         | 160 B5            | -                                 | 300                               | -                                           | 79,9                                        | 76                                 |
| K09-MS | 5,5                   | 5,5                   | 657                         | 792                         | 132 B5            | 175                               | 100                               | 77,3                                        | 79,3                                        | 87                                 |
|        | 7,5                   | 7,5                   | 657                         | 792                         | 132 B5            | 250                               | 175                               | 77,6                                        | 79,6                                        | 87                                 |
|        | 11                    | 11                    | 657                         | 792                         | 160 B5            | 300                               | 300                               | 78,1                                        | 80,1                                        | 90                                 |
|        | 15                    | 15                    | 657                         | 792                         | 160 B5            | -                                 | -                                 | -                                           | -                                           | 90                                 |
| K10-MS | 7,5                   | 7,5                   | 784                         | 946                         | 132 B5            | 175                               | 125                               | 77,7                                        | 79,7                                        | 88                                 |
|        | 11                    | 11                    | 784                         | 946                         | 160 B5            | 300                               | 225                               | 78,5                                        | 80,5                                        | 91                                 |
|        | 15                    | 15                    | 784                         | 946                         | 160 B5            | -                                 | 325                               | -                                           | 80,7                                        | 91                                 |
|        | 18,5                  | 18,5                  | 784                         | 946                         | 160 B5            | -                                 | -                                 | -                                           | -                                           | 91                                 |
| K11-MS | 7,5                   | 7,5                   | 889                         | 1073                        | 132 B5            | 125                               | -                                 | 80                                          | -                                           | 92                                 |
|        | 11                    | 11                    | 889                         | 1073                        | 160 B5            | 225                               | 175                               | 81                                          | 83                                          | 95                                 |
|        | 15                    | 15                    | 889                         | 1073                        | 160 B5            | 300                               | 275                               | 81,8                                        | 83,8                                        | 95                                 |
|        | 18,5                  | 18,5                  | 889                         | 1073                        | 160 B5            | -                                 | 325                               | -                                           | 86,7                                        | 95                                 |

## INSTALLATION

- For proper use, the blower should be equipped with inlet ATEX FILTER and Flow Relief VALVE or equivalent circuit
- Ambient temperature from -15° to +40°C (+5° to +104° F)
- Specifications subject to change without notice
- Before installation read carefully all instructions

<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

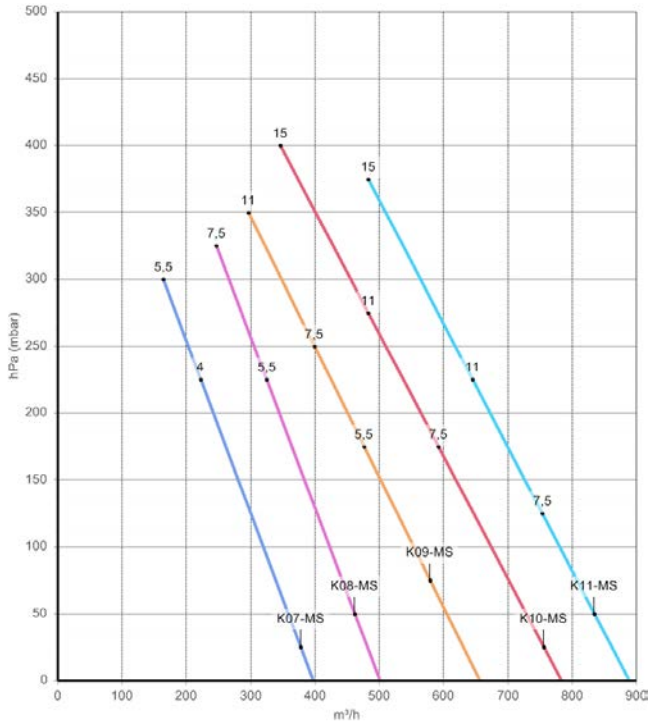
Q: Flow rate

ΔP: Differential pressure

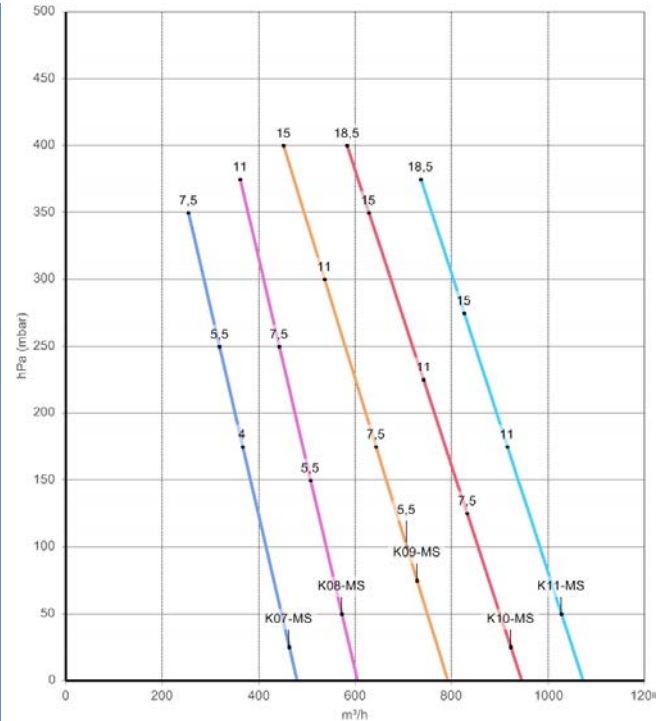
Leq: Noise level

**PRESSURE**

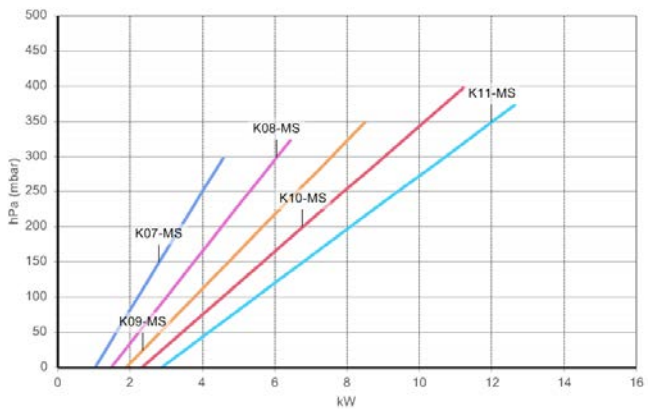
**2900 rpm (50 Hz)**



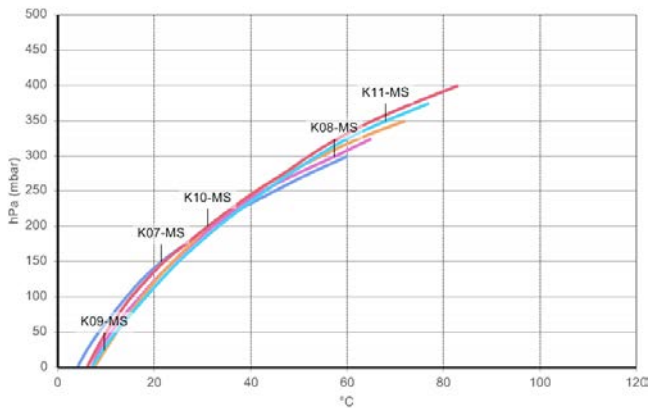
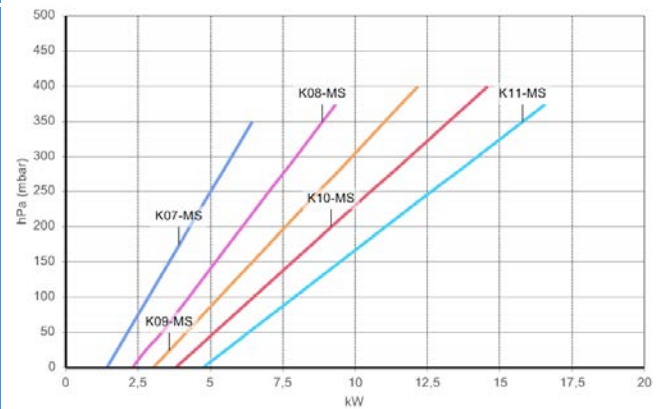
**3500 rpm (60 Hz)**



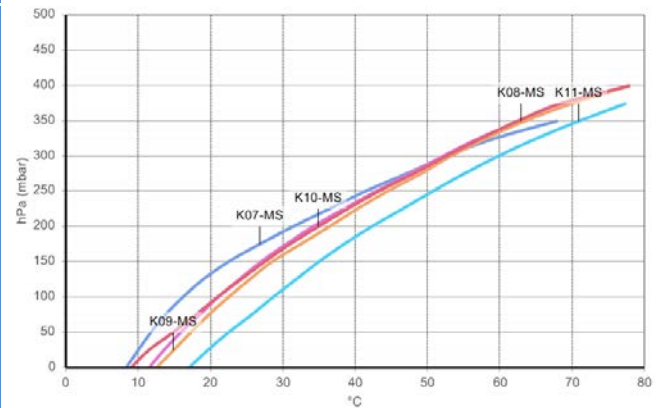
FLOW RATE



ABSORBED POWER



TEMPERATURE INCREASE



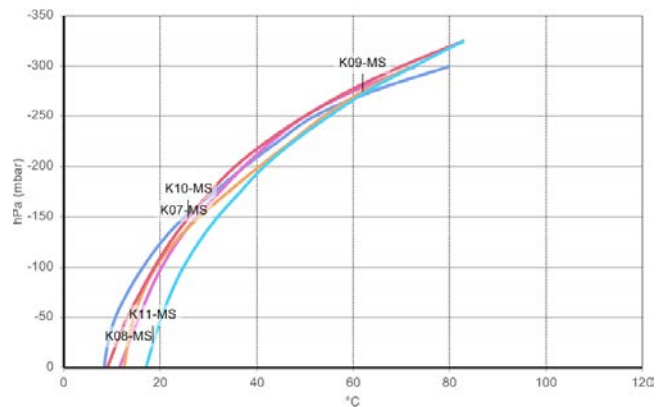
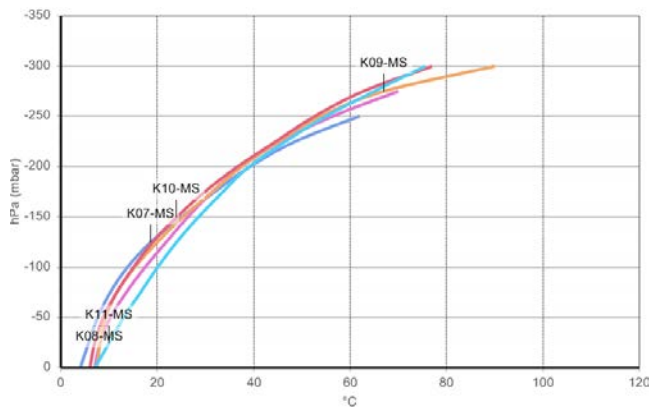
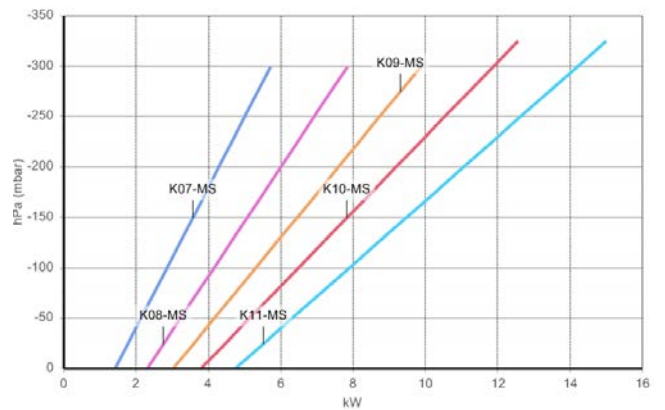
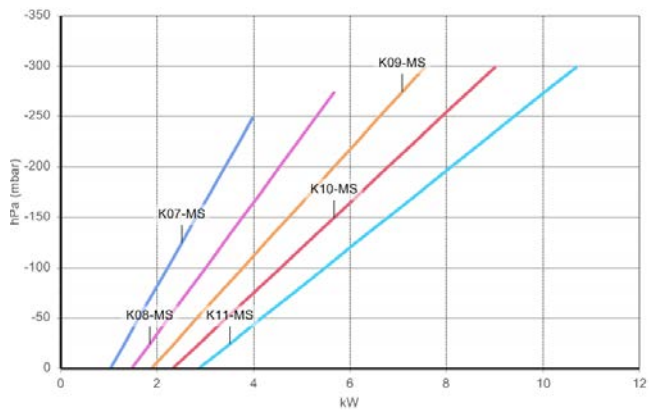
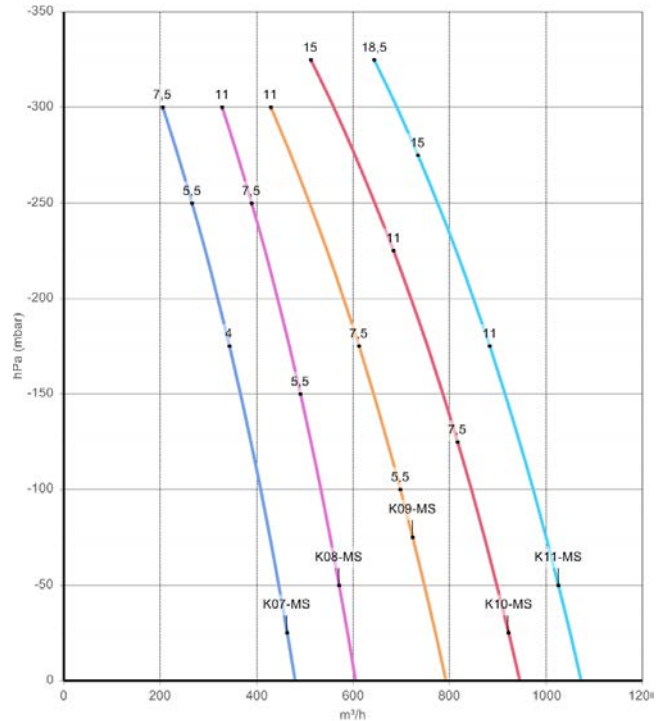
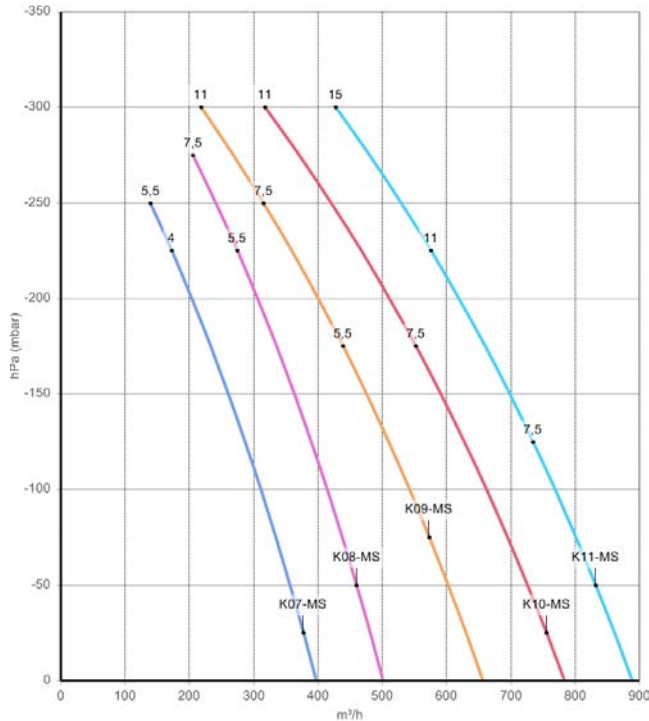
Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.  
Values for flow, power consumption and temperature rise: ±10% tolerance.  
Data can change without prior notice.



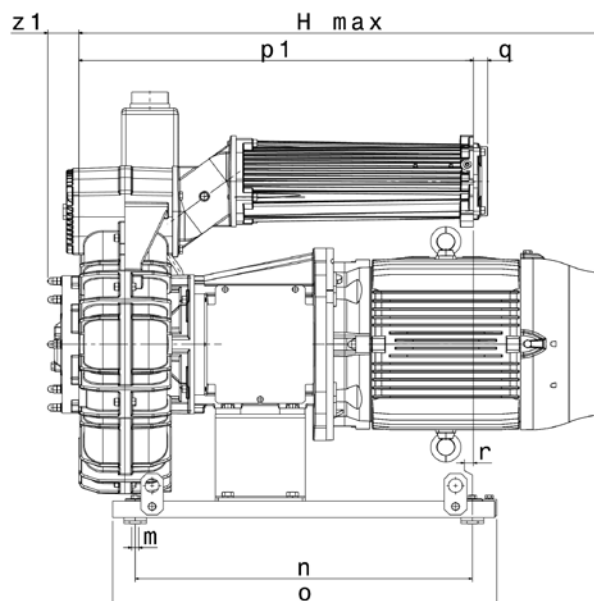
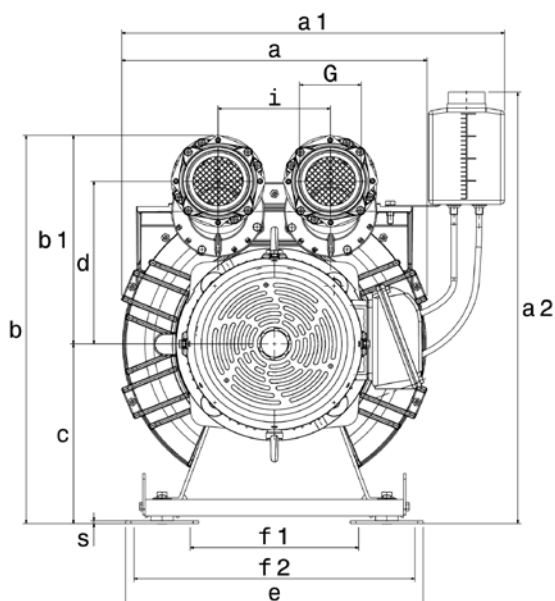
### VACUUM

2900 rpm (50 Hz)

3500 rpm (60 Hz)



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.

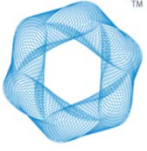
**DIMENSIONS (K07-MS/K08-MS/K09-MS/K10-MS/K11-MS)**


Dimensions in mm - FOR REFERENCE ONLY

| Model  | E.M.   | a   | a1    | a2    | b   | b1  | c   | d   |
|--------|--------|-----|-------|-------|-----|-----|-----|-----|
| K07-MS | 112B14 | 424 | 586   | 681   | 605 | 320 | 285 | 247 |
| K07-MS | 132 B5 | 424 | 586   | 681   | 605 | 320 | 285 | 247 |
| K08-MS | 132 B5 | 457 | 607.5 | 681   | 605 | 320 | 285 | 247 |
| K08-MS | 160 B5 | 457 | 607.5 | 681   | 605 | 320 | 285 | 247 |
| K09-MS | 132 B5 | 492 | 640   | 772.5 | 690 | 360 | 330 | 275 |
| K09-MS | 160 B5 | 492 | 640   | 772.5 | 690 | 360 | 330 | 275 |
| K10-MS | 132 B5 | 516 | 652   | 772.5 | 690 | 360 | 330 | 275 |
| K10-MS | 160 B5 | 516 | 652   | 772.5 | 690 | 360 | 330 | 275 |
| K11-MS | 132 B5 | 542 | 681   | 785   | 710 | 380 | 330 | 296 |
| K11-MS | 160 B5 | 542 | 681   | 785   | 710 | 380 | 330 | 296 |

| Model  | e   | f1  | f2  | G    | H   | i   | m  |
|--------|-----|-----|-----|------|-----|-----|----|
| K07-MS | 470 | 240 | 440 | G 3" | 705 | 155 | 15 |
| K07-MS | 470 | 240 | 440 | G 3" | 780 | 155 | 15 |
| K08-MS | 470 | 240 | 440 | G 3" | 780 | 155 | 15 |
| K08-MS | 470 | 240 | 440 | G 3" | 920 | 155 | 15 |
| K09-MS | 530 | 300 | 500 | G 4" | 792 | 182 | 15 |
| K09-MS | 530 | 300 | 500 | G 4" | 932 | 182 | 15 |
| K10-MS | 530 | 300 | 500 | G 4" | 792 | 182 | 15 |
| K10-MS | 530 | 300 | 500 | G 4" | 932 | 182 | 15 |
| K11-MS | 530 | 300 | 500 | G 4" | 797 | 200 | 15 |
| K11-MS | 530 | 300 | 500 | G 4" | 937 | 200 | 15 |

| Model  | n   | o   | p1  | q  | r   | s | z1 |
|--------|-----|-----|-----|----|-----|---|----|
| K07-MS | 520 | 600 | 612 | 25 | -16 | 5 | 52 |
| K07-MS | 520 | 600 | 612 | 25 | -16 | 5 | 52 |
| K08-MS | 520 | 600 | 612 | 25 | -16 | 5 | 52 |
| K08-MS | 520 | 600 | 612 | 25 | -16 | 5 | 52 |
| K09-MS | 600 | 680 | 700 | 25 | -3  | 5 | 52 |
| K09-MS | 600 | 680 | 700 | 25 | -3  | 5 | 52 |
| K10-MS | 600 | 680 | 700 | 25 | -3  | 5 | 52 |
| K10-MS | 600 | 680 | 700 | 25 | -3  | 5 | 52 |
| K11-MS | 600 | 680 | 710 | 25 | 2   | 5 | 52 |
| K11-MS | 600 | 680 | 710 | 25 | 2   | 5 | 52 |



**FPZ**  
BLOWER TECHNOLOGY

