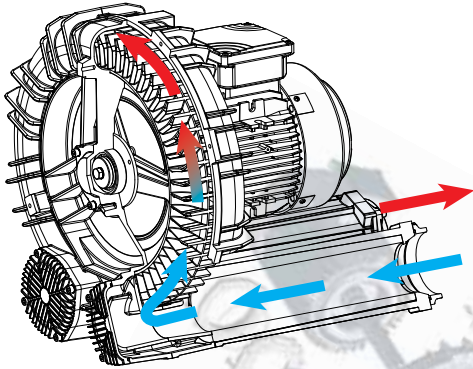


DESIGNS

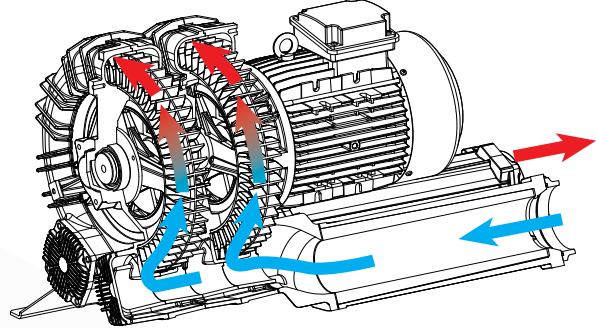
MS

Single impeller single stage



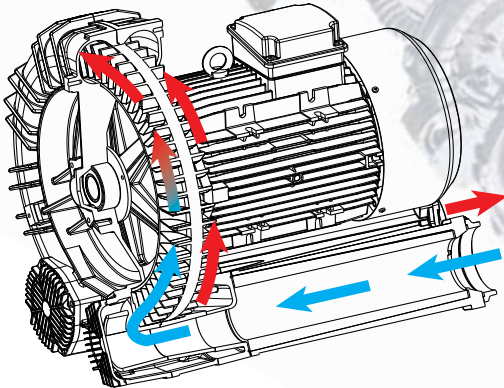
TS

Twin impeller single stage



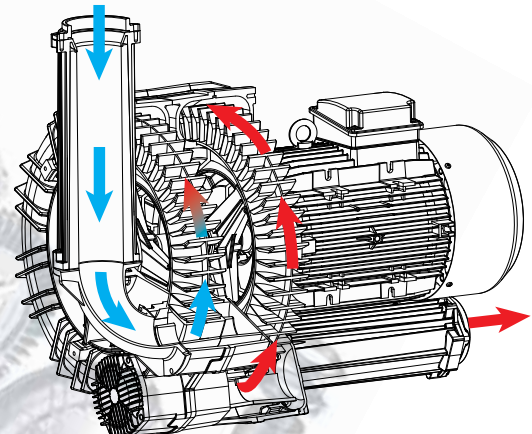
MD

Single impeller double stage



TD

Twin impeller double stage

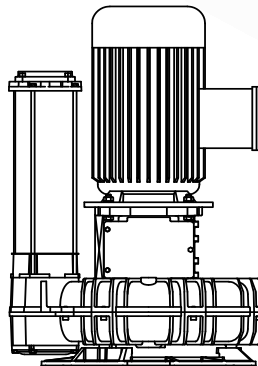


Standard Design

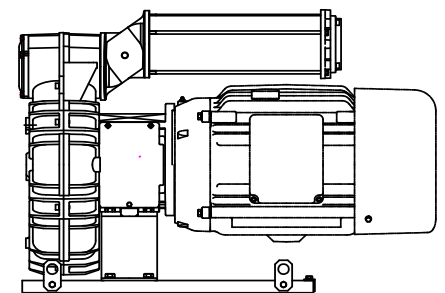
The standard FPZ design is a direct drive configuration, with a dynamically balanced impeller fitted directly on the motor shaft. Fitted motors are 2-pole, 1 or 3 phase, rated for continuous service. Standard motors utilize class F insulation, are suitable for use with a variable speed drive (3 phase only), and are tropicalized for corrosion resistance. Single or two stage options are pictured above.

GOR / GVR Design

"GOR / GVR" designs utilize a standard nema (or metric) electric motor that is directly coupled to the blower shaft. This direct coupled design allows the use of specialty motors that may be required to meet a variety of electrical requirements. For some models the vacuum / pressure capabilities can be increased with this GOR / GVR design (pictured right).



"GVR" Design



"GOR" Design

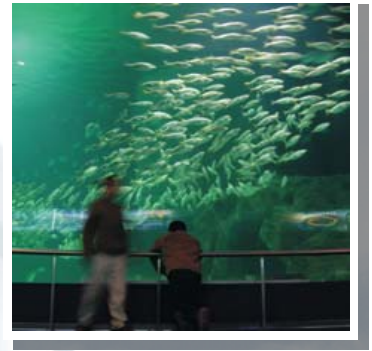
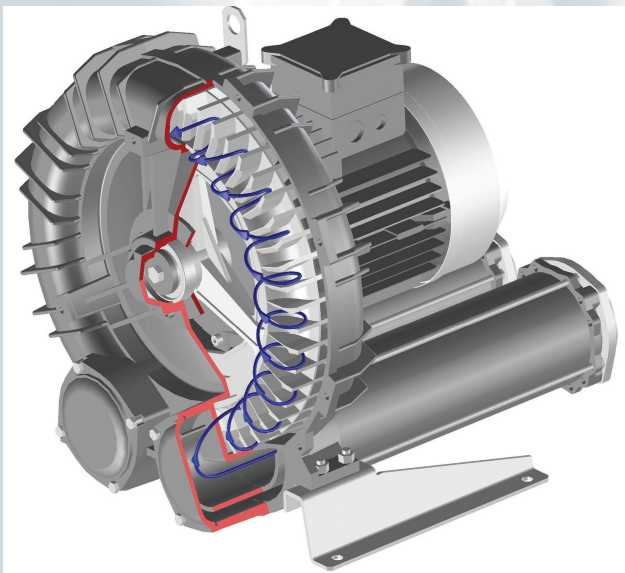
applications

APPLICATIONS

Thousands of FPZ blowers are working in a variety of applications: from commercial to industrial installations, in food processing to pharmaceuticals, from textiles to aerospace, in medical applications to environmental. Wherever efficiency and reliability are needed, FPZ responds with the appropriate product "solution"

Advantages of side channel blowers

- Compact execution
- Simple concept
- Reduced maintenance costs
- Modular design
- Pulsation and oil free air



How Blowers Work

Blowers have an impeller blade mounted inside a housing. As air passes the inlet port, impeller blades draw air in and accelerate the air outward and forward. As each impeller blade strikes it, the air moves faster and faster. At the base of the housing an air stripper diverts the air out of the housing reducing the speed and then increasing the pressure.



| | | | | | Page(s) | |
|--|----------------------|---------|------------------------------------|---------------------|----------------|--------|
| General Pressure and Vacuum Performance Curves | | | | | 4 | 5 |
| K Series "MOR" Blowers - Direct Drive | | Max CFM | Max Pressure (In H ₂ O) | Max Vacuum (In Hg.) | Pressure | Vacuum |
| SCL K03-K06 MS | Single Stage Blowers | 216 | 132 | 9.6 | 6-7 | 40-41 |
| SCL K07-K12 MS | Single Stage Blowers | 726 | 211 | 11.1 | 8-9 | 42-43 |
| SCL K05-K06 TS | Single Stage Blowers | 400 | 85 | 6.3 | 10-11 | 44-45 |
| SCL K07-K12 TS | Single Stage Blowers | 1410 | 110 | 8.1 | 12-13 | 46-47 |
| SCL K07R-12 MD | Two Stage Blowers | 336 | 300 | 14.7 | 14-15 | 48-49 |
| SCL K04-K06 TD | Two Stage Blowers | 222 | 180 | 11.8 | 16-17 | 50-51 |
| SCL K07-K12 TD | Two Stage Blowers | 716 | 225 | 13.2 | 18-19 | 52-53 |

06 / R20-MD / DH Blowers Performance Data

| | | | | | | |
|-----------------------|----------------------|----|-------|------|-------|-------|
| SCL 06 | Single Stage Blowers | 39 | 52 | 3.5 | 20-21 | 54-55 |
| SCL 10DL-15DH | Two Stage Blowers | 35 | 120.5 | 8.1 | 22-23 | 56-57 |
| SCL R20-MD; 30DH-40DH | Two Stage Blowers | 98 | 201 | 11.1 | 24-25 | 58-59 |

K Series Direct Coupled - "GOR/GVR" configuration

| | | | | | | |
|--------------------------|----------------------|------|-----|------|-------|-------|
| SCL K03-K06 MS-GOR/GVR | Single Stage Blowers | 216 | 140 | 9.6 | 26-27 | 60-61 |
| SCL K07-K12 MS-GOR/GVR | Single Stage Blowers | 726 | 200 | 10.3 | 28-29 | 62-63 |
| SCL K05-K06 TS-GOR/GVR | Single Stage Blowers | 400 | 130 | 7.8 | 30-31 | 64-65 |
| SCL K07-K12 TS-GOR/GVR | Single Stage Blowers | 1410 | 150 | 10.3 | 32-33 | 66-67 |
| SCL K07R- K12 MD GOR/GVR | Two Stage Blowers | 336 | 280 | 14.7 | 34-35 | 68-69 |
| SCL K07-K12 TD GOR/GVR | Two Stage Blowers | 716 | 225 | 13.2 | 36-37 | 70-71 |
| SCL K09-K11 TT GOR/GVR | Three Stage Blowers | 597 | 340 | 17 | 38-39 | 72-73 |

Values in above table based on 60 hz performance

Accessories

| | | |
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| Installation Guide | General guide on how to install accessories. | 74 |
| VRL6-9 | Safety valve selection guide | 75 |
| VRL6-9 | Safety Valves | 76 |
| VRL6HP / VRL8HP | High pressure safety valves | 77 |
| CSL / CT | Filters for vacuum applications. | 78 |
| FS | Filter / Silencers for pressure applications | 79 |
| VG-020-013 | Dirty Filter Indicator | 80 |
| VS 6 / VS 8 | Flow Converting Devices for diverting air stream | 81 |
| VK / PK | Flange Connectors for safety valves and flexible hoses | 82 |
| CA / CK | Filter Manifolds and 90 Degree Manifold for K series blowers | 83 |
| VG / PG / CV / SS / IH | Gauges, Check Valves, Silencers, and Sound Enclosures | 84 |
| MF / TF / MP | Flexible Sleeves, Flanges, Sleeves | 85 |

Technical

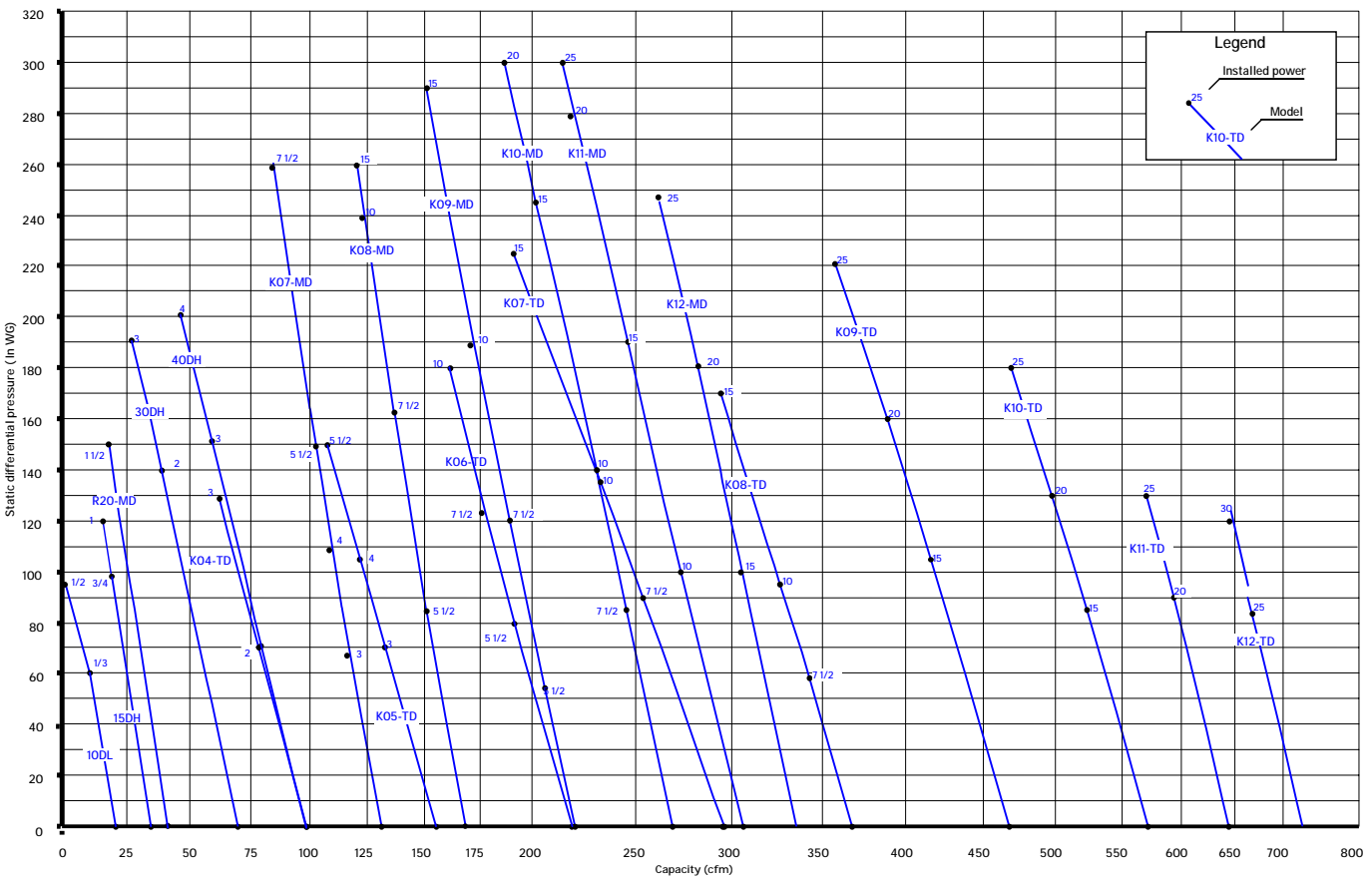
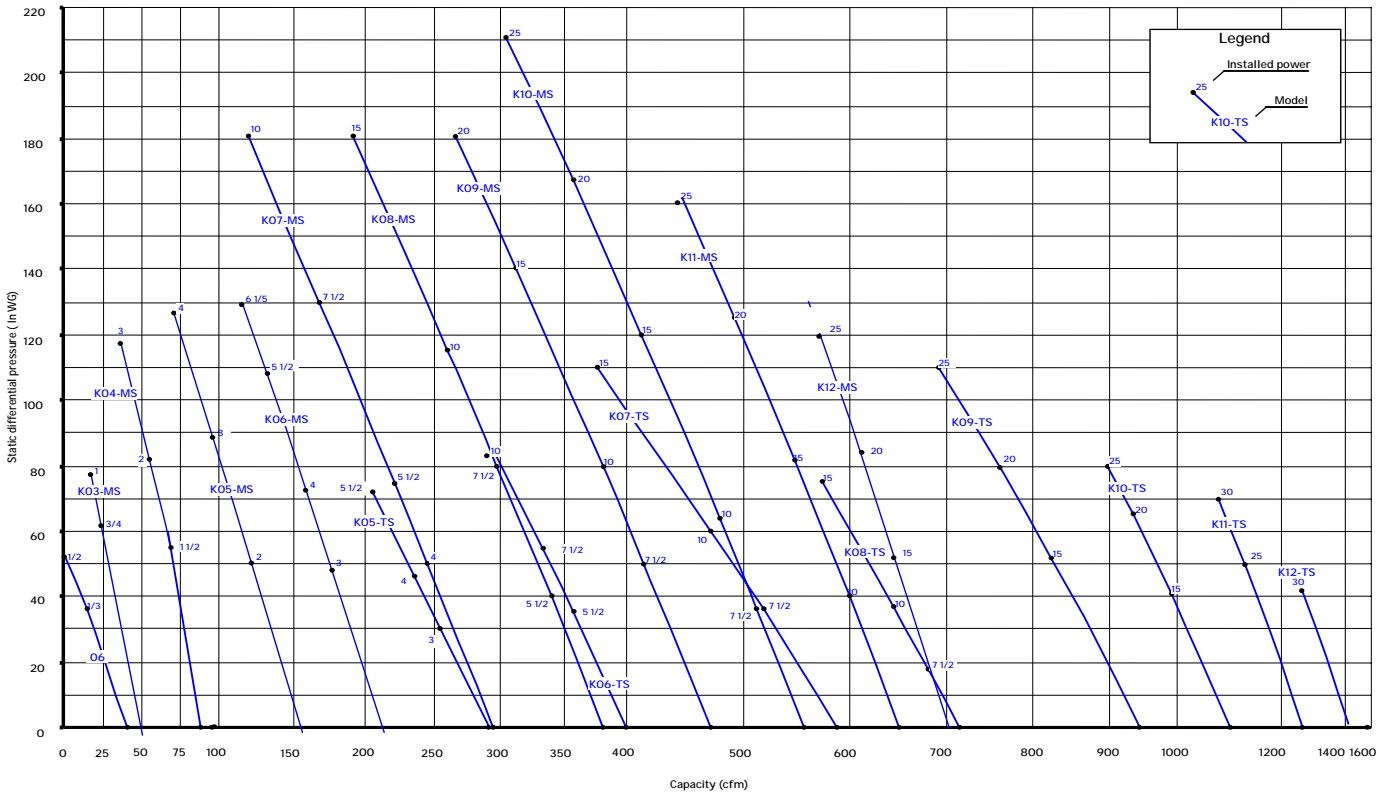
| | |
|--------------------------------|----|
| Single phase motor information | 86 |
| Three phase motor information | 87 |
| Airflow Through an Orifice | 88 |
| FPZ Pneumatic Range | 89 |

Disclaimer

The information contained in this catalog is based on information that we believe to be correct. It is the users responsibility to determine the suitability of the product for the application they are used in and the user assumes all risk and liability whatsoever in connection therewith.

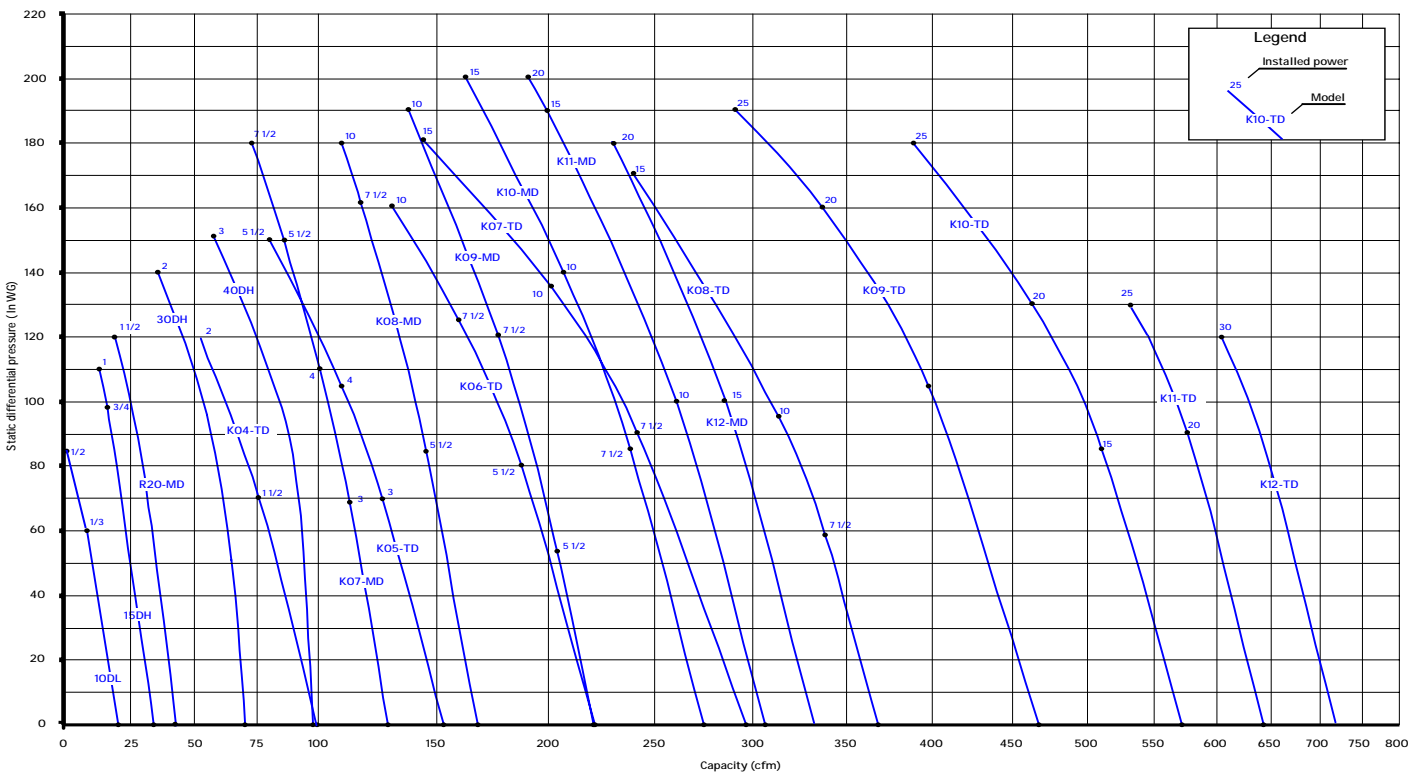
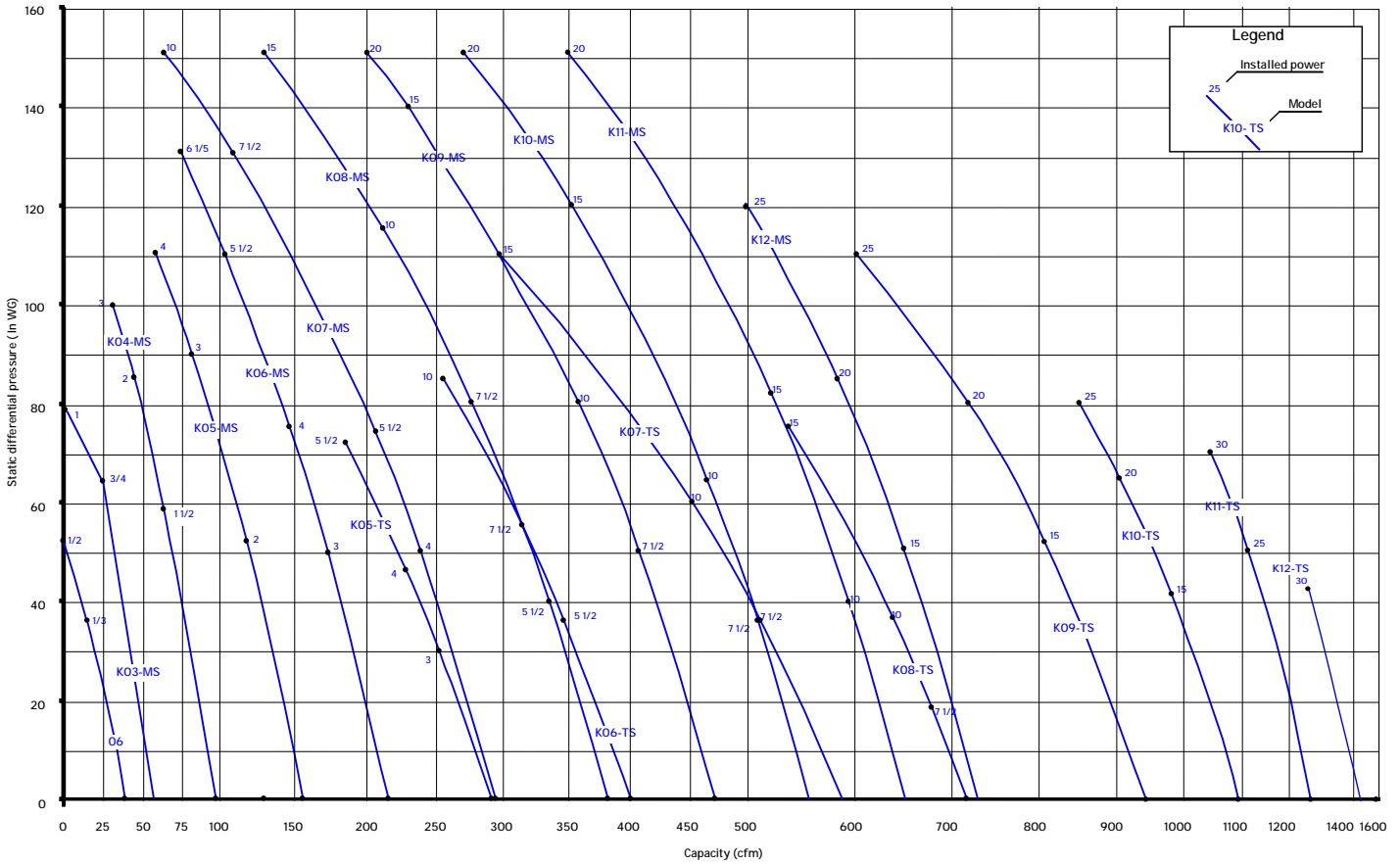


Pressure Performance Curves



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Tolerance on given values ± 10% - data can change without prior notice.

Vacuum Performance Curves



Curves refer to air at 68°F temperature, measured at inlet port and 29.92 in Hg atmospheric backpressure (abs).
Tolerance on given values ± 10% - data can change without prior notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

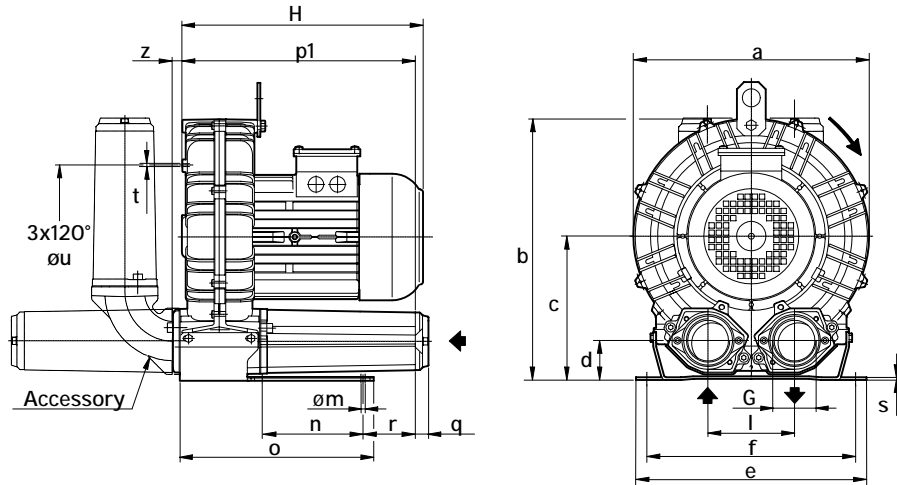
- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

Dimensions in inches.

Dimension for reference only.



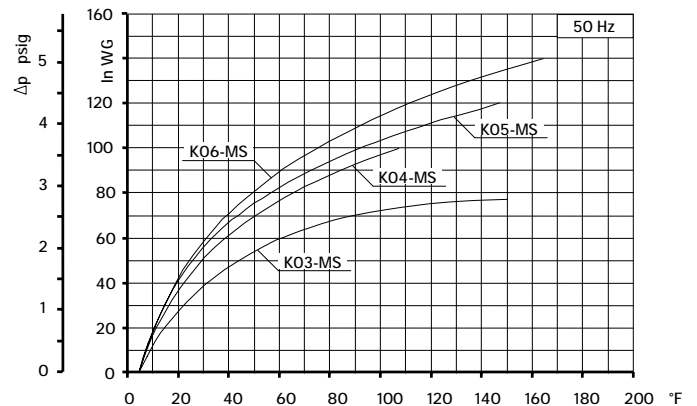
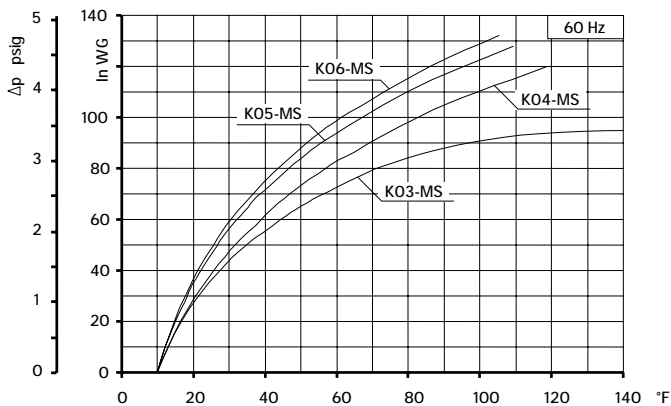
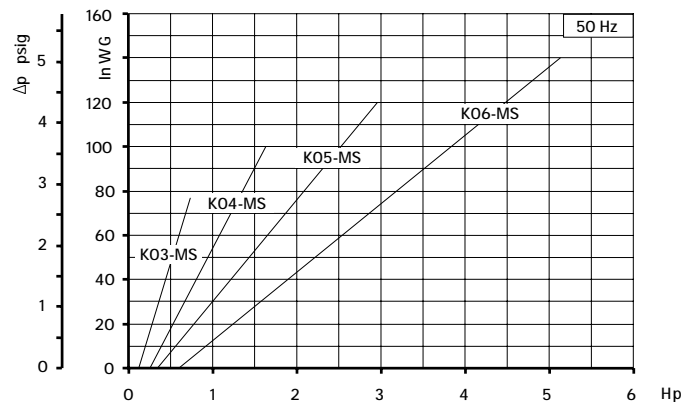
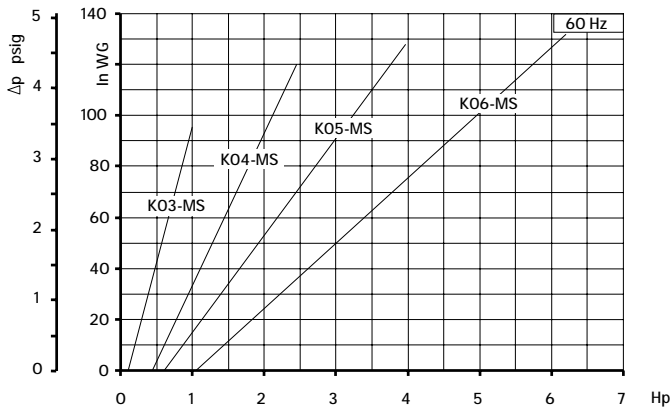
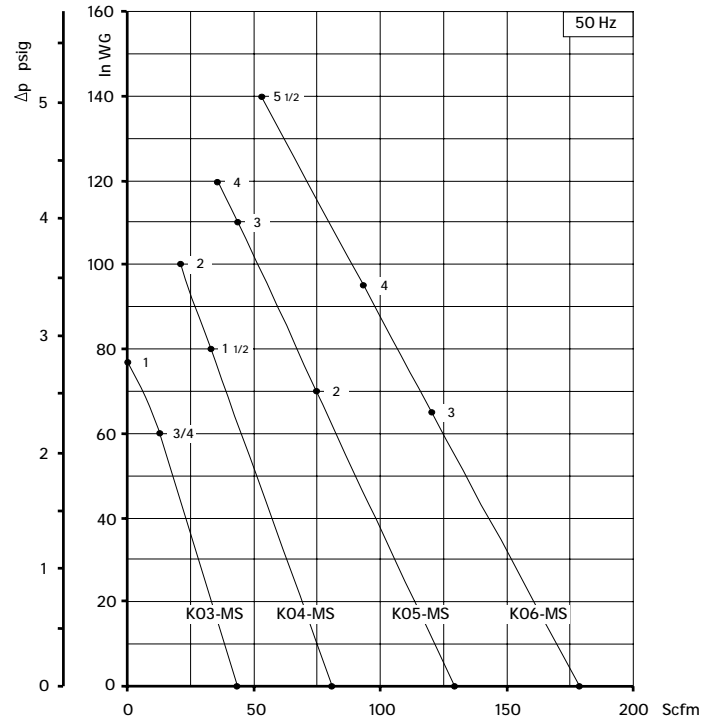
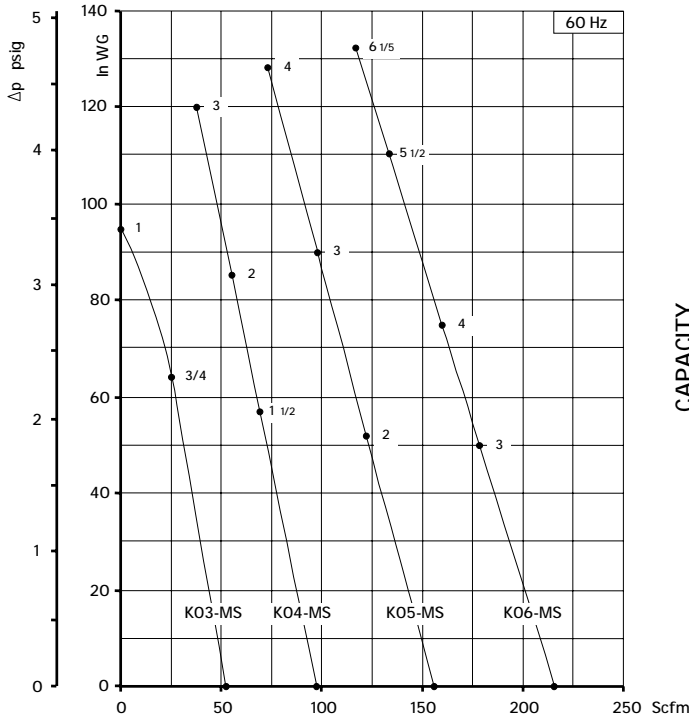
| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|------|------|-------|-------|-----------|------|------|------|-------|-------|------|------|------|----|------|------|
| K03-MS | 9.49 | 10.55 | 5.79 | 1.69 | 9.06 | 8.07 | 1 1/4 NPT | 3.39 | 0.39 | 3.27 | 5.59 | 8.07 | 0.71 | 2.95 | 0.16 | M6 | 5.51 | 0.47 |
| K04-MS | 11.22 | 12.40 | 6.77 | 1.93 | 10.04 | 8.86 | 1 1/2 NPT | 4.02 | 0.47 | 3.74 | 6.73 | 8.74 | 0.71 | 2.76 | 0.16 | M6 | 6.89 | 0.71 |
| K05-MS | 12.87 | 14.37 | 7.87 | 2.13 | 12.60 | 10.24 | 2" NPT | 4.72 | 0.59 | 4.53 | 10.43 | 12.60 | 0.71 | 3.86 | 0.16 | M8 | 7.87 | 0.75 |
| K06-MS | 14.80 | 15.47 | 8.07 | 2.13 | 12.80 | 11.42 | 2" NPT | 4.92 | 0.59 | 5.51 | 10.71 | 13.15 | 0.71 | 3.35 | 0.16 | M8 | 9.45 | 0.75 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|----------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K03-MS | 52 | 43 | 3/4 | 3/4 | 64 | 60 | 62.0 | 60.0 | 10.43 | 24.30 |
| | | | 1 | 1 | 95 | 77 | 62.3 | 60.3 | 11.97 | 26.50 |
| K04-MS | 98 | 81 | 1 1/2 | 1 1/2 | 58 | 80 | 64.8 | 62.8 | 11.65 | 36.40 |
| | | | 2 | 2 | 85 | 100 | 65.0 | 63.0 | 13.78 | 43.00 |
| | | | 3 | - | 120 | - | 65.2 | - | 13.78 | 49.60 |
| K05-MS | 156 | 129 | 2 | 2 | 52 | 70 | 70.5 | 68.5 | 13.20 | 51.80 |
| | | | 3 | 3 | 90 | 110 | 70.8 | 68.8 | 13.20 | 58.40 |
| | | | 4 | 4 | 128 | 120 | 71.1 | 69.1 | 14.40 | 67.20 |
| K06-MS | 216 | 179 | 3 | 3 | 50 | 65 | 73.0 | 71.0 | 13.54 | 68.70 |
| | | | 4 | 4 | 75 | 95 | 73.3 | 71.3 | 14.17 | 71.65 |
| | | | 5 1/2 | 5 1/2 | 110 | 140 | 73.6 | 71.6 | 14.17 | 77.60 |
| | | | 6 1/5 (2) | - | 132 | - | 73.9 | - | 14.45 | 77.60 |

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

(2) No cURus motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/- 10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

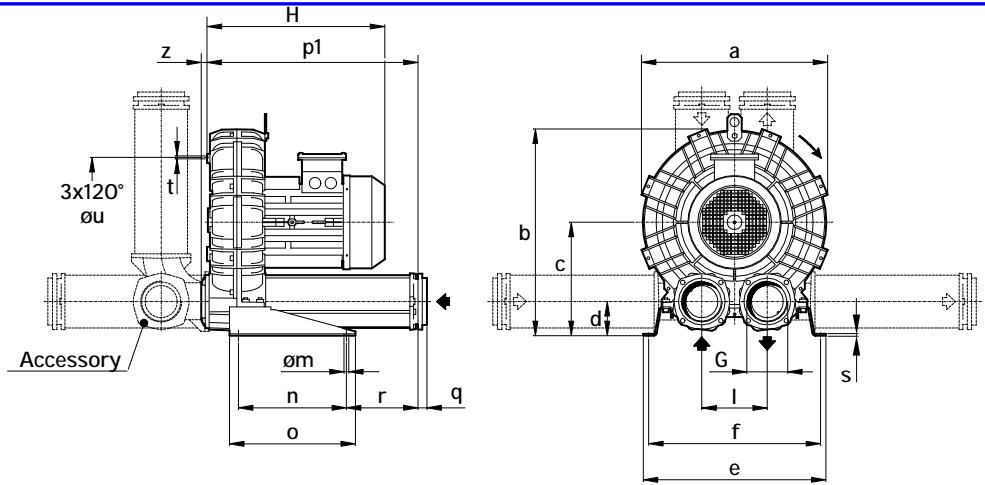
- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

Dimensions in inches.

Dimension for reference only.

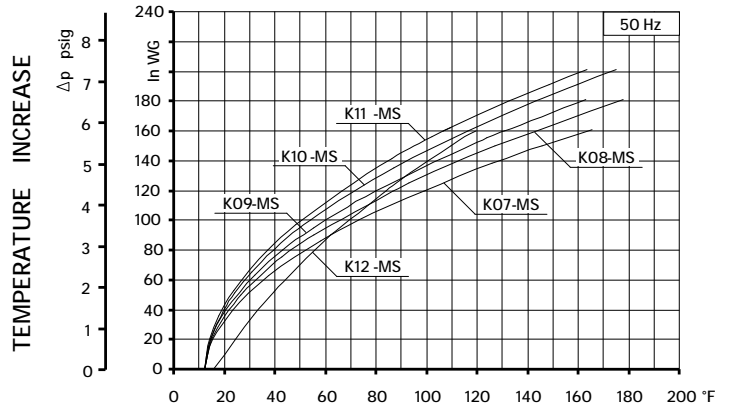
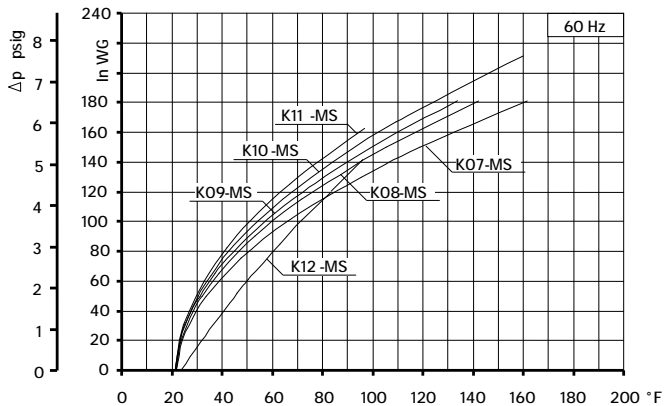
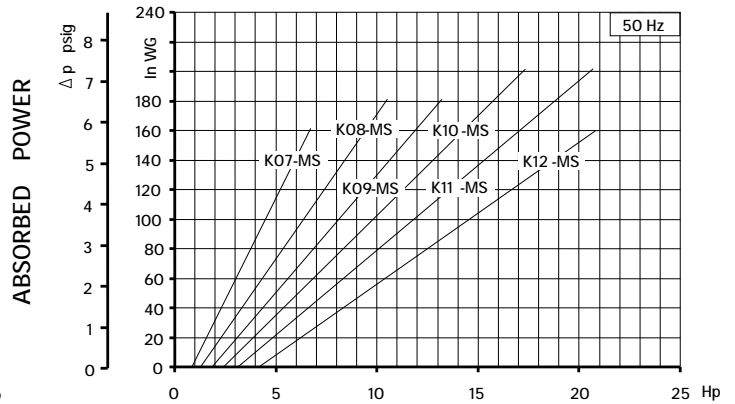
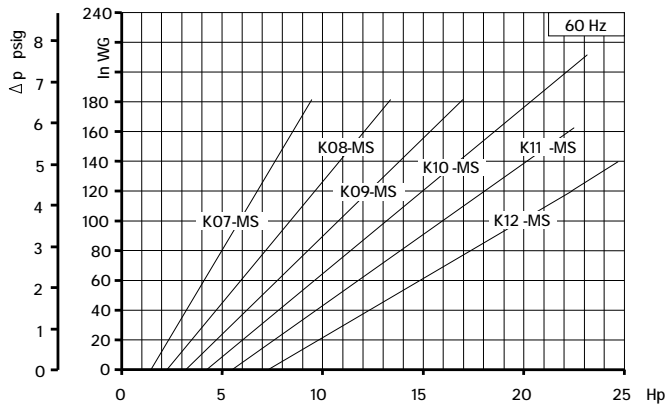
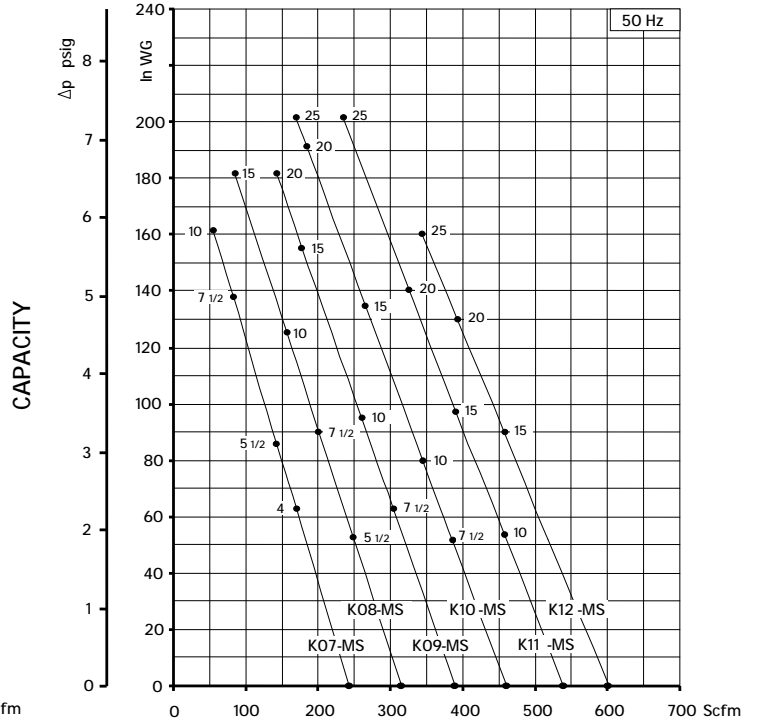
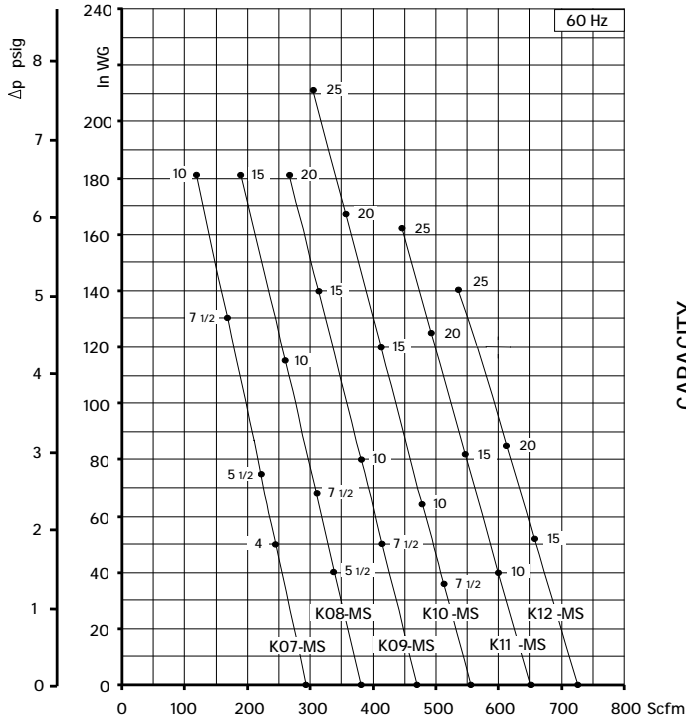


| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|-------|------|-------|-------|--------|------|------|-------|-------|-------|------|------|------|----|-------|------|
| K07-MS | 16.69 | 18.84 | 10.59 | 3.23 | 18.43 | 17.24 | 3" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 20.16 | 0.98 | 5.39 | 0.20 | M8 | 11.61 | 0.63 |
| K08-MS | 17.99 | 19.61 | 10.59 | 3.23 | 18.82 | 17.64 | 3" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 20.16 | 0.98 | 5.39 | 0.20 | M8 | 12.2 | 0.63 |
| K09-MS | 19.37 | 22.09 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 23.07 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 0.63 |
| K10-MS | 20.31 | 22.56 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 23.07 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 0.63 |
| K11-MS | 21.34 | 23.74 | 13.07 | 3.58 | 21.26 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 23.46 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 0.63 |
| K12-MS | 21.57 | 23.82 | 13.07 | 3.58 | 21.26 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 23.58 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 0.51 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Dp (In WG) | | Noise level Lp d B (A) ⁽¹⁾ | | Overall dimensions H Inches | Weight Lbs |
|--------|-------------------|----------|--------------------|----------|--|----------|---------------------------------------|----------|-----------------------------|------------|
| | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | | |
| | 3500 rpm | 2900 rpm | 3500 rpm | 2900 rpm | 3500 rpm | 2900 rpm | 3500 rpm | 2900 rpm | | |
| K07-MS | 294 | 243 | 4 | 4 | 50 | 63 | 78.7 | 76.7 | 15.45 | 103.00 |
| | | | 5 1/2 | 5 1/2 | 75 | 86 | 79.0 | 77.0 | 15.45 | 107.10 |
| | | | 7 1/2 | 7 1/2 | 130 | 138 | 79.3 | 77.3 | 18.37 | 145.70 |
| | | | 10 | 10 | 181 | 161 | 79.6 | 77.6 | 18.37 | 154.50 |
| K08-MS | 381 | 316 | 5 1/2 | 5 1/2 | 40 | 52 | 79.7 | 77.7 | 15.45 | 115.70 |
| | | | 7 1/2 | 7 1/2 | 68 | 90 | 80.0 | 78.0 | 18.37 | 154.30 |
| | | | 10 | 10 | 115 | 125 | 80.3 | 78.3 | 18.37 | 163.10 |
| | | | 15 | 15 | 181 | 181 | 80.6 | 78.6 | 19.15 | 184.00 |
| K09-MS | 471 | 390 | 7 1/2 | 7 1/2 | 50 | 63 | 80.2 | 78.2 | 18.84 | 166.50 |
| | | | 10 | 10 | 80 | 95 | 80.5 | 78.5 | 18.84 | 175.10 |
| | | | 15 | 15 | 140 | 155 | 81.0 | 79.0 | 19.63 | 196.20 |
| | | | 20 | 20 | 181 | 181 | 81.3 | 79.3 | 23.74 | 269.00 |
| K10-MS | 556 | 460 | 7 1/2 | 7 1/2 | 36 | 51 | 80.1 | 78.1 | 18.84 | 170.90 |
| | | | 10 | 10 | 64 | 80 | 80.5 | 78.5 | 18.84 | 179.50 |
| | | | 15 | 15 | 120 | 135 | 81.0 | 79.0 | 19.63 | 200.60 |
| | | | 20 | 20 | 167 | 191 | 81.4 | 79.4 | 23.74 | 273.40 |
| | | | 25 | 25 | 211 | 201 | 81.6 | 79.6 | 24.61 | 298.70 |
| K11-MS | 650 | 539 | 10 | 10 | 40 | 53 | 82.0 | 80.0 | 19.04 | 194.90 |
| | | | 15 | 15 | 82 | 97 | 82.4 | 80.4 | 19.83 | 216.00 |
| | | | 20 | 20 | 125 | 141 | 82.7 | 80.7 | 23.94 | 288.80 |
| | | | 25 | 25 | 162 | 201 | 85.6 | 83.6 | 24.81 | 313.10 |
| K12-MS | 726 | 602 | 15 | 15 | 52 | 90 | 82.9 | 80.9 | 19.95 | 223.70 |
| | | | 20 | 20 | 85 | 130 | 83.2 | 81.2 | 24.06 | 296.50 |
| | | | 25 | 25 | 140 | 160 | 86.1 | 84.1 | 24.92 | 320.80 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: +/- 10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

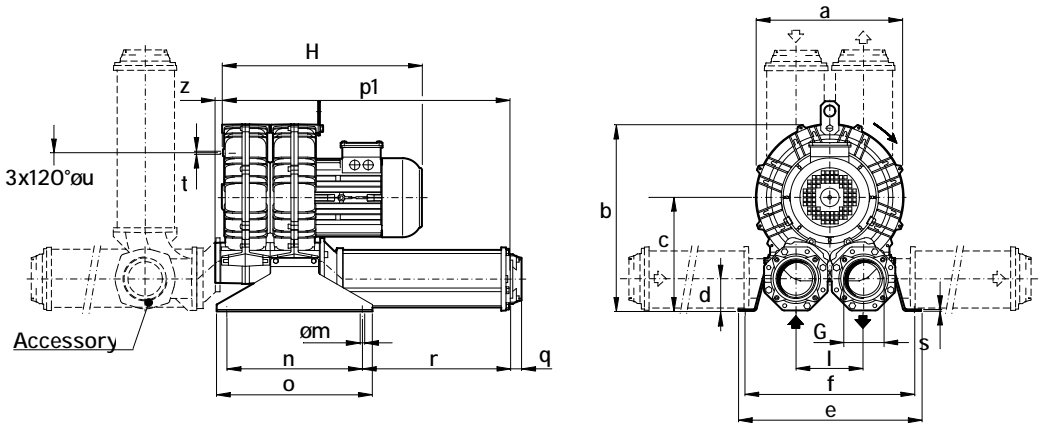
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor 3x120°øu

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches.

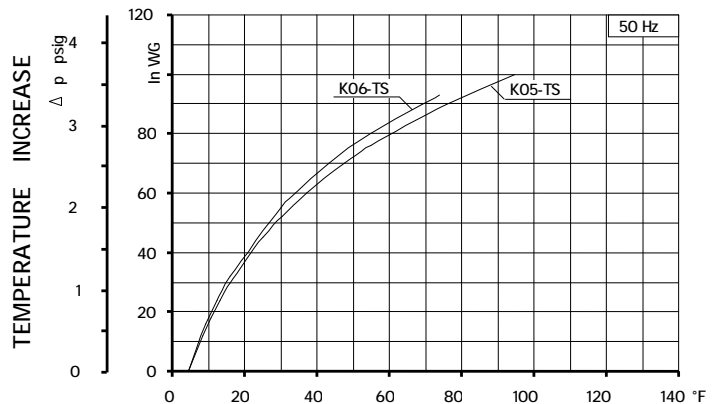
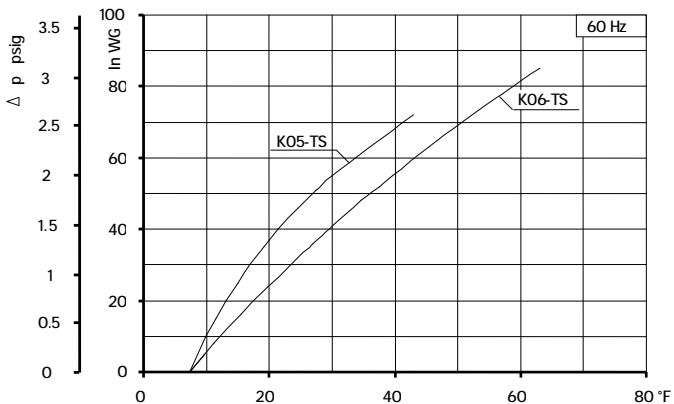
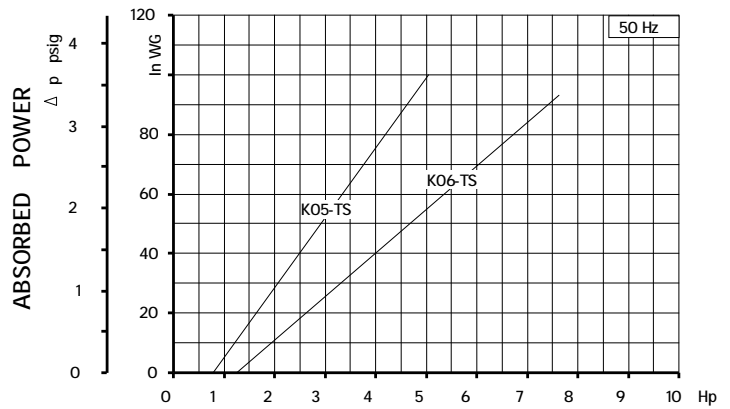
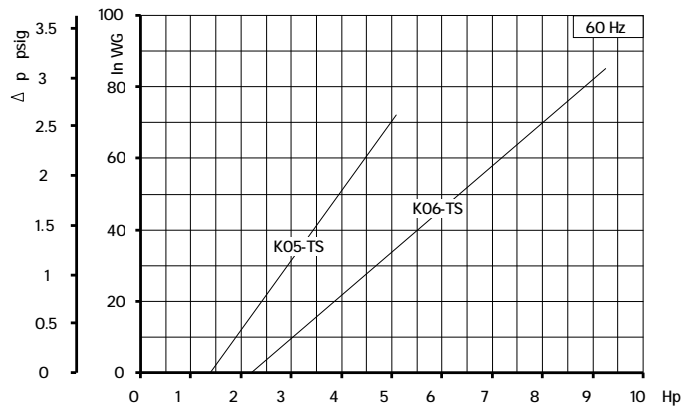
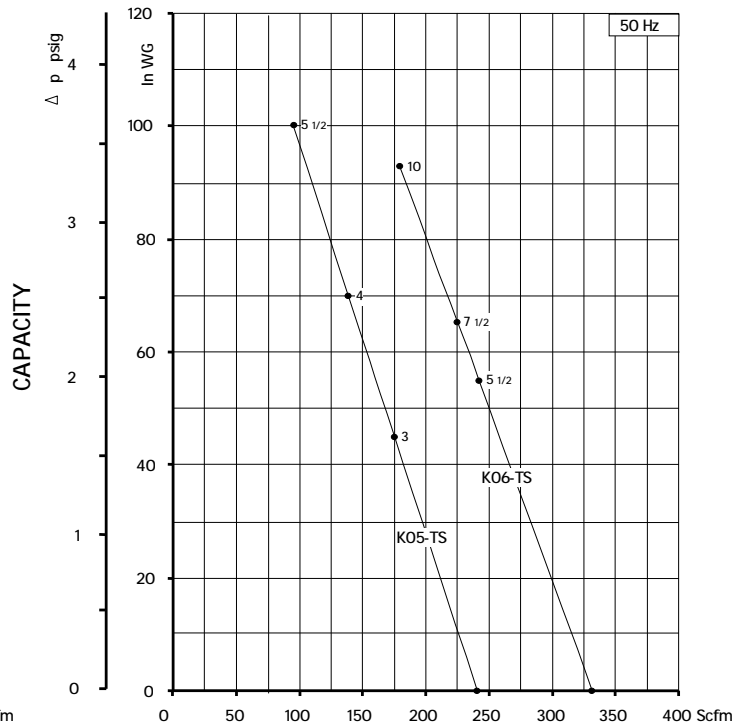
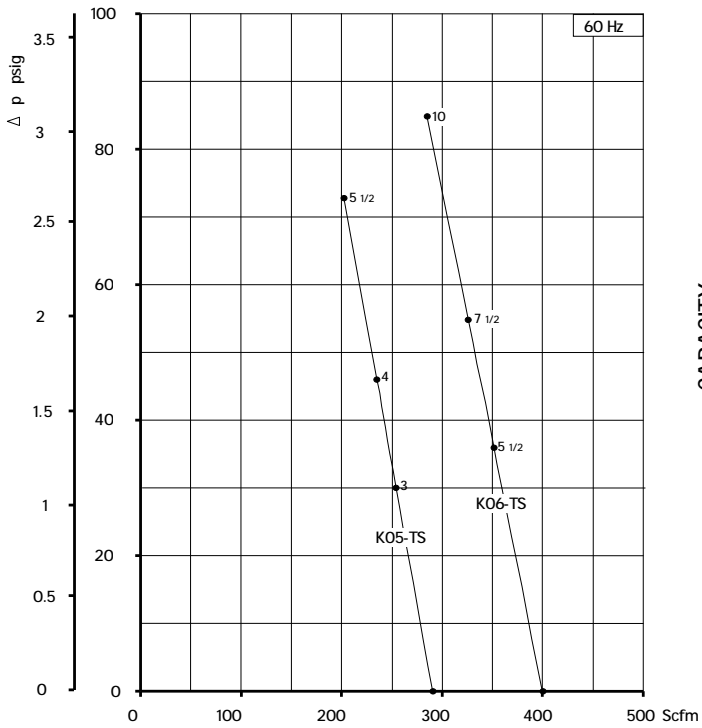
Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|-------|------|-------|-------|--------|------|------|-------|-------|-------|------|-------|------|----|------|------|
| K05-TS | 12.87 | 16.61 | 10.16 | 3.03 | 15.91 | 14.72 | 3" NPT | 5.91 | 0.51 | 11.81 | 13.58 | 24.96 | 0.98 | 12.91 | 0.16 | M8 | 7.87 | 0.75 |
| K06-TS | 14.80 | 17.72 | 10.31 | 2.95 | 15.91 | 14.72 | 3" NPT | 6.10 | 0.51 | 11.81 | 13.58 | 26.06 | 0.98 | 13.19 | 0.16 | M8 | 9.45 | 0.75 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|----------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K05-TS | 290 | 241 | 3 | 3 | 30 | 45 | 72.0 | 70.0 | 17.45 | 85.98 |
| | | | 4 | 4 | 46 | 70 | 73.5 | 71.5 | 18.64 | 89.29 |
| | | | 5 1/2 | 5 1/2 | 72 | 100 | 75.5 | 73.5 | 18.64 | 93.70 |
| K06-TS | 400 | 331 | 5 1/2 | 5 1/2 | 36 | 55 | 77.2 | 75.2 | 18.98 | 104.72 |
| | | | 7 1/2 | 7 1/2 | 55 | 65 | 77.5 | 75.5 | 22.60 | 141.09 |
| | | | 10 | 10 | 85 | 93 | 77.8 | 75.8 | 22.60 | 149.91 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

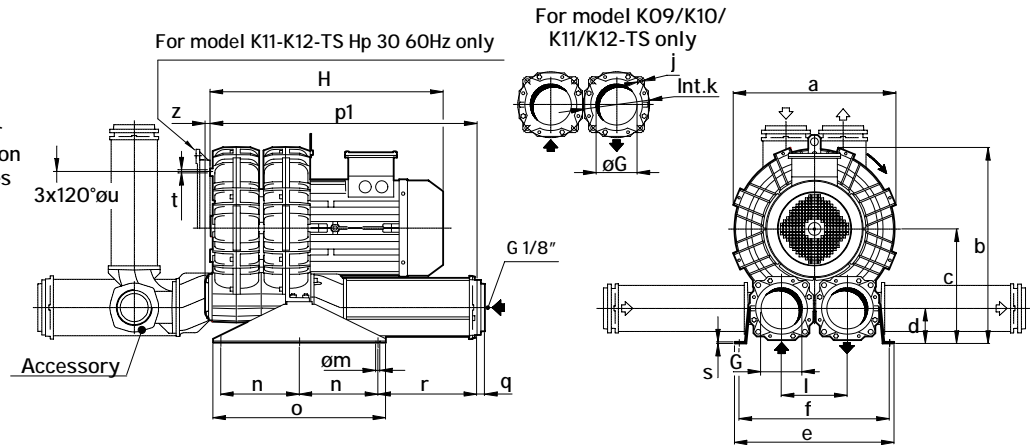
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches.

Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | j | k | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|-------|------|-------|-------|-------|------|-----|------|------|------|-------|-------|------|-------|------|----|-------|------|
| K07-TS | 16.69 | 20.91 | 12.56 | 3.86 | 18.43 | 17.24 | 4"NPT | 7.17 | - | - | 0.51 | 9.84 | 21.65 | 31.57 | 0.98 | 11.77 | 0.20 | M8 | 11.61 | 0.63 |
| K08-TS | 18.03 | 21.57 | 12.56 | 3.86 | 18.82 | 17.64 | 4"NPT | 7.17 | - | - | 0.51 | 9.84 | 21.65 | 31.57 | 0.98 | 11.77 | 0.20 | M8 | 12.20 | 0.63 |
| K09-TS | 19.37 | 24.02 | 14.37 | 4.41 | 20.00 | 18.82 | 5.12 | 8.27 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 33.46 | - | 12.40 | 0.20 | M8 | 14.17 | 0.63 |
| K10-TS | 20.31 | 24.53 | 14.37 | 4.41 | 20.00 | 18.82 | 5.12 | 8.27 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 33.46 | - | 12.40 | 0.20 | M8 | 14.17 | 0.63 |
| K11-TS | 21.26 | 25.59 | 14.96 | 4.17 | 21.26 | 20.08 | 5.12 | 8.98 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 34.25 | - | 12.60 | 0.20 | M8 | 15.35 | 0.63 |
| K12-TS | 21.57 | 25.66 | 14.96 | 4.17 | 21.26 | 20.08 | 5.12 | 8.98 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 34.37 | - | 12.60 | 0.20 | M8 | 15.35 | 0.63 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|----------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K07-TS | 588 | 487 | 7 1/2 | 7 1/2 | 36 | 48 | 83.9 | 81.9 | 23.76 | 197.31 |
| | | | 10 | 10 | 60 | 71 | 84.2 | 82.2 | 23.76 | 206.13 |
| | | | 15 | 15 | 110 | 121 | 84.8 | 82.8 | 24.55 | 223.77 |
| K08-TS | 715 | 592 | 7 1/2 | 7 1/2 | 18 | 30 | 80.8 | 78.8 | 23.76 | 205.47 |
| | | | 10 | 10 | 37 | 50 | 80.9 | 78.9 | 23.76 | 214.29 |
| | | | 15 | 15 | 75 | 87 | 83.3 | 81.3 | 24.55 | 231.92 |
| K09-TS | 941 | 780 | 20 | 20 | 80 | 90 | 85.0 | 83.0 | 29.92 | 350.53 |
| | | | 25 | 25 | 110 | 120 | 87.0 | 85.0 | 30.79 | 383.60 |
| K10-TS | 1093 | 906 | 20 | 20 | 65 | 75 | 88.1 | 86.1 | 29.92 | 354.94 |
| | | | 25 | 25 | 80 | 95 | 88.4 | 86.4 | 30.79 | 388.01 |
| K11-TS | 1254 | 1039 | 25 | 25 | 50 | 69 | 89.4 | 87.4 | 31.38 | 429.02 |
| | | | 30 ⁽²⁾ | 30 ⁽²⁾ | 70 | 90 | 90.0 | 88.0 | 31.38 | 434.53 |
| K12-TS | 1410 | 1168 | 30 ⁽²⁾ | 30 ⁽²⁾ | 45 | 80 | 90.6 | 88.6 | 31.50 | 436.75 |

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

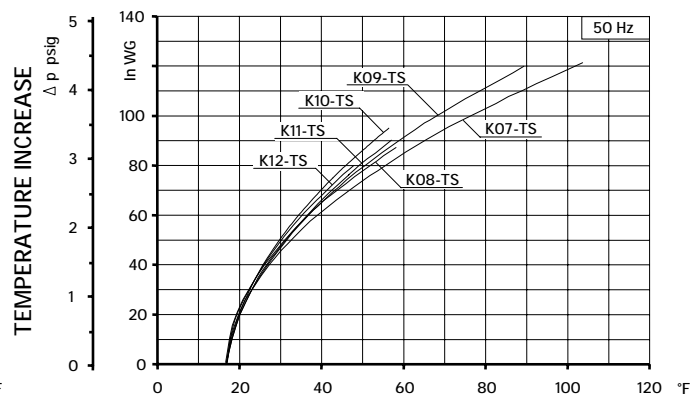
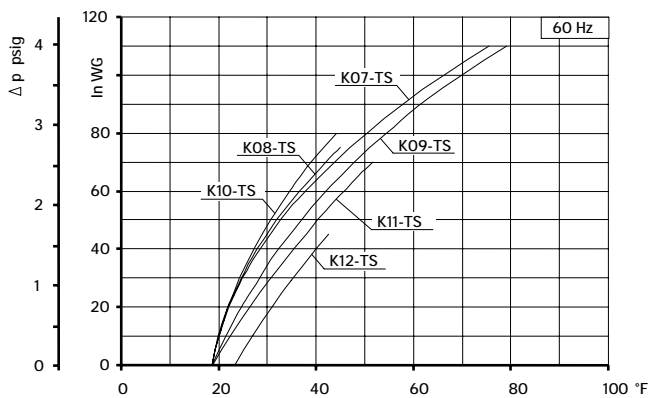
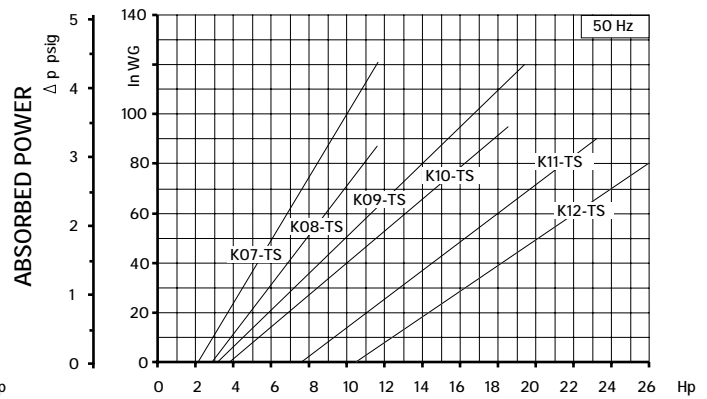
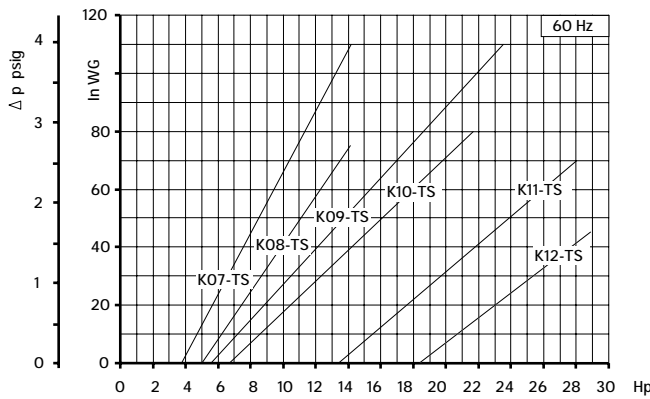
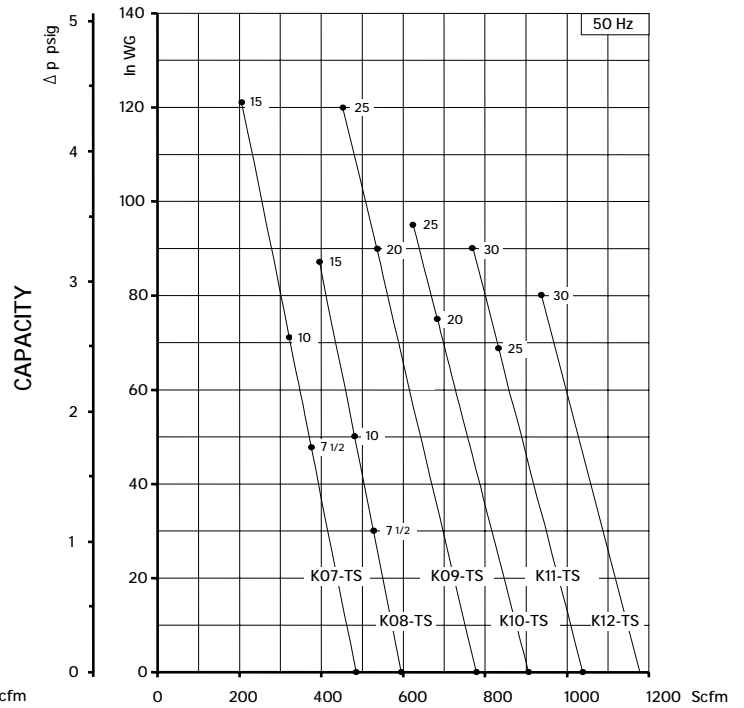
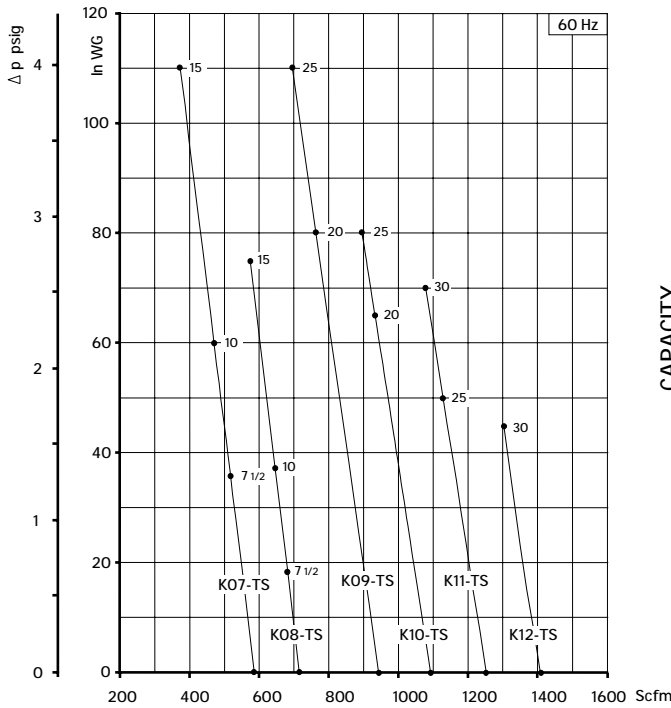
(2) K11-K12-TS Hp 30 vertical assembly only.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

SCL K07 / K08 / K09 / K10 / K11 / K12

TS SERIES

SN 1822-12



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

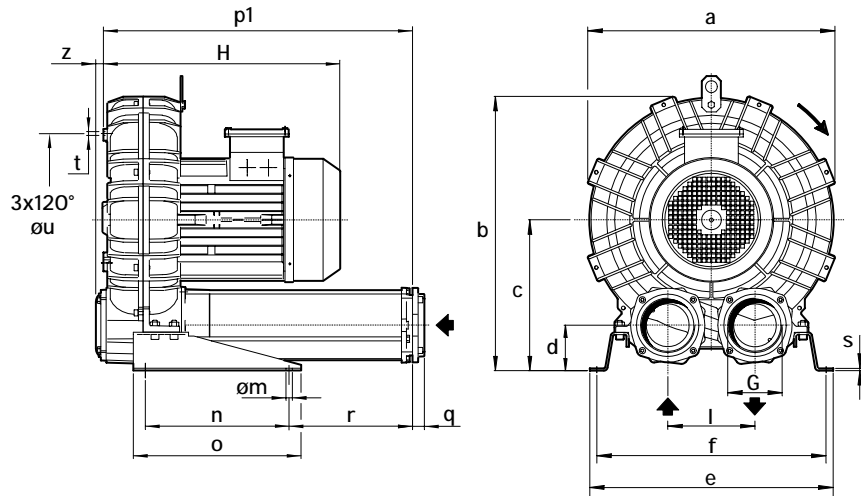
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



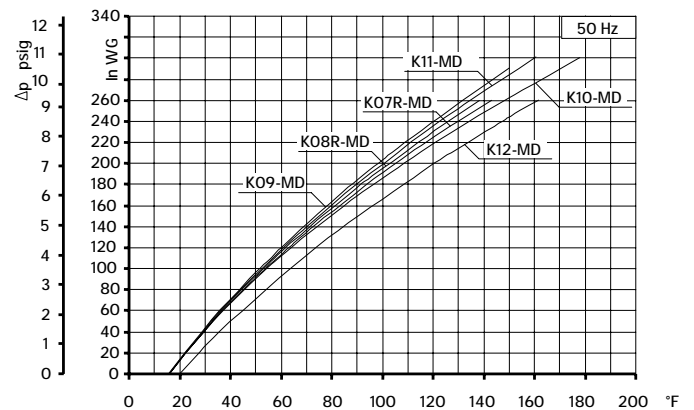
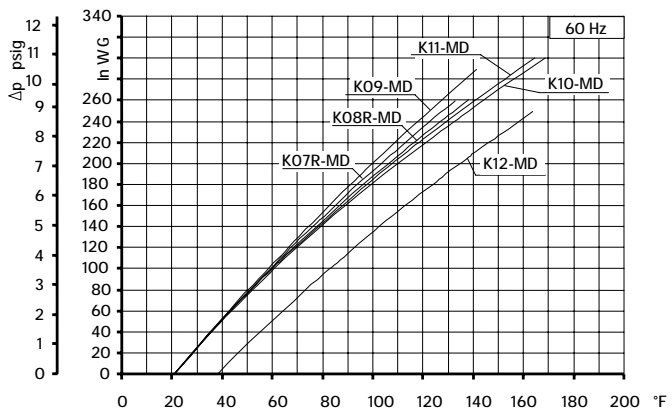
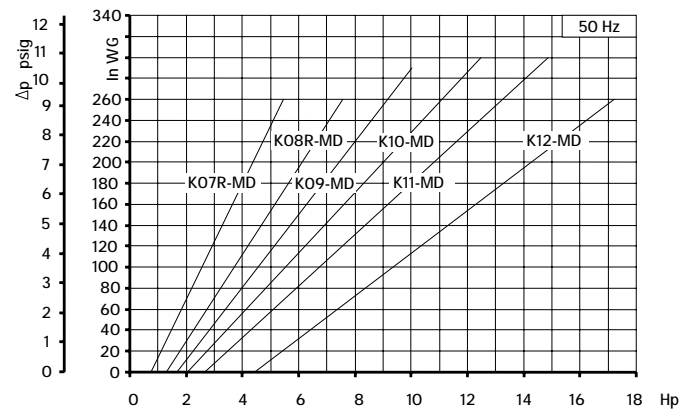
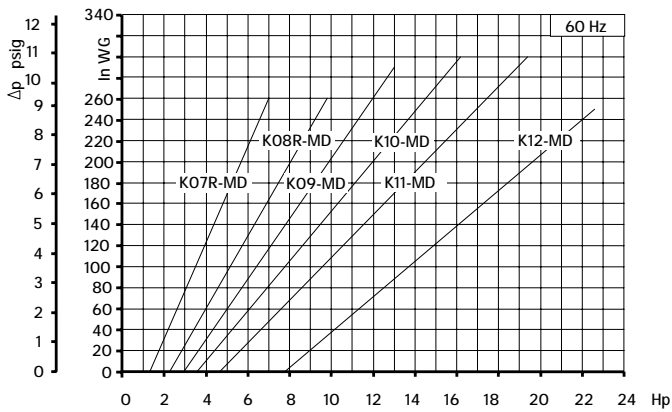
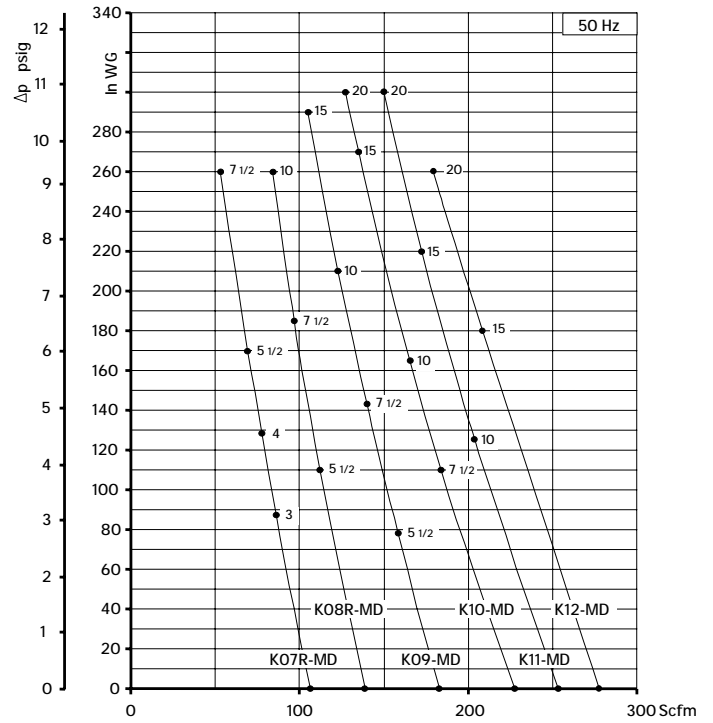
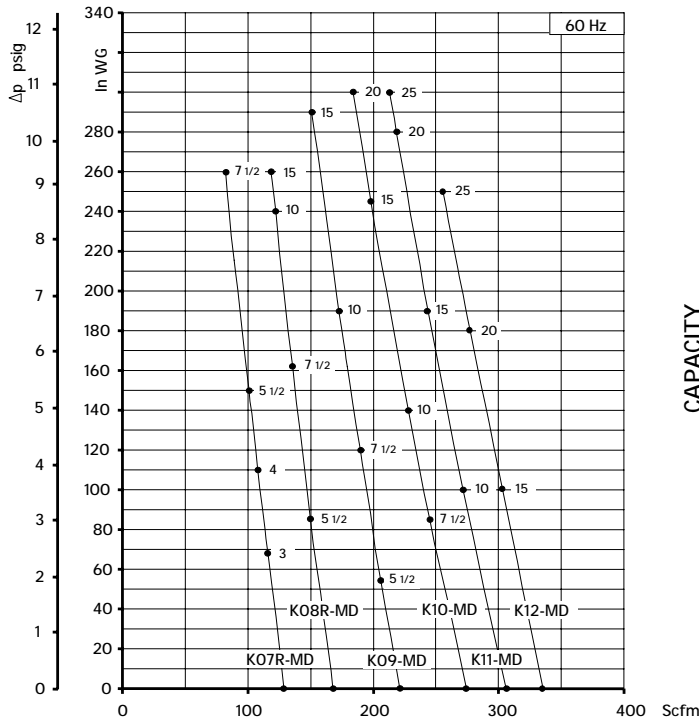
Dimensions in inches.
Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|---------|-------|-------|-------|------|-------|-------|--------|------|------|-------|-------|-------|------|-------|------|----|-------|------|
| K07R-MD | 16.69 | 18.94 | 10.59 | 3.23 | 18.43 | 17.24 | 2" NPT | 6.10 | 0.51 | 11.81 | 3.78 | 16.46 | 0.71 | 1.70 | 0.20 | M8 | 11.61 | 0.63 |
| K08R-MD | 17.99 | 19.61 | 10.59 | 3.23 | 18.82 | 17.64 | 2" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 16.46 | 0.71 | 1.70 | 0.20 | M8 | 12.20 | 0.63 |
| K09-MD | 19.37 | 22.09 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 25.35 | 0.98 | 10.12 | 0.20 | M8 | 14.17 | 0.63 |
| K10-MD | 20.31 | 22.56 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 25.35 | 0.98 | 10.12 | 0.20 | M8 | 14.17 | 0.63 |
| K11-MD | 21.35 | 23.74 | 13.07 | 3.58 | 21.18 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 25.75 | 0.98 | 10.31 | 0.20 | M8 | 15.35 | 0.63 |
| K12-MD | 21.57 | 23.85 | 13.07 | 3.58 | 21.18 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 25.87 | 0.98 | 10.31 | Ø0 | M8 | 15.35 | 0.62 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Overall dimensions H Inches | Weight Lbs |
|---------|-------------------|----------------|--------------------|----------------|--|----------------|--------------------------------------|----------------|-----------------------------|------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| | K07R-MD | 129 | 107 | 3 | 3 | 68 | 87 | 73.5 | 71.5 | 16.14 |
| 4 | 4 | | | 110 | 128 | 74.0 | 72.0 | 16.14 | 103.60 | |
| 5 1/2 | 5 1/2 | | | 150 | 170 | 74.5 | 72.5 | 16.14 | 111.50 | |
| 7 1/2 | 7 1/2 | | | 260 | 260 | 75.0 | 73.0 | 17.52 | 134.50 | |
| K08R-MD | 168 | 139 | 5 1/2 | 5 1/2 | 85 | 110 | 76.2 | 74.2 | 16.14 | 116.90 |
| 7 1/2 | | | 7 1/2 | 162 | 185 | 76.6 | 74.6 | 17.52 | 140.00 | |
| 10 | | | 10 | 240 | 260 | 77.0 | 75.0 | 17.52 | 151.00 | |
| 15 | | | - | 260 | - | 77.3 | - | 17.52 | 173.00 | |
| K09-MD | 221 | 183 | 5 1/2 | 5 1/2 | 54 | 78 | 76.9 | 74.9 | 16.54 | 144.40 |
| 7 1/2 | | | 7 1/2 | 120 | 143 | 78.0 | 76.0 | 17.95 | 167.60 | |
| 10 | | | 10 | 190 | 210 | 79.5 | 77.5 | 17.95 | 178.60 | |
| 15 | | | 15 | 290 | 290 | 80.5 | 78.5 | 19.29 | 200.60 | |
| K10-MD | 275 | 228 | 7 1/2 | 7 1/2 | 85 | 110 | 79.9 | 77.9 | 17.91 | 170.90 |
| 10 | | | 10 | 140 | 165 | 80.3 | 78.3 | 17.91 | 181.90 | |
| 15 | | | 15 | 245 | 270 | 81.4 | 79.4 | 19.29 | 203.90 | |
| 20 | | | 20 | 300 | 300 | 81.7 | 79.7 | 22.97 | 270.00 | |
| K11-MD | 306 | 254 | 10 | 10 | 100 | 125 | 81.1 | 79.1 | 18.11 | 211.60 |
| 15 | | | 15 | 190 | 220 | 81.4 | 79.4 | 19.49 | 232.60 | |
| 20 | | | 20 | 280 | 300 | 81.7 | 79.7 | 23.23 | 287.20 | |
| 25 | | | - | 300 | - | 82.0 | - | 23.23 | 353.30 | |
| K12-MD | 336 | 278 | 15 | 15 | 100 | 180 | 82.3 | 80.3 | 19.61 | 240.30 |
| 20 | | | 20 | 180 | 260 | 82.6 | 80.6 | 23.42 | 295.00 | |
| 25 | | | - | 250 | - | 82.9 | - | 23.42 | 361.00 | |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

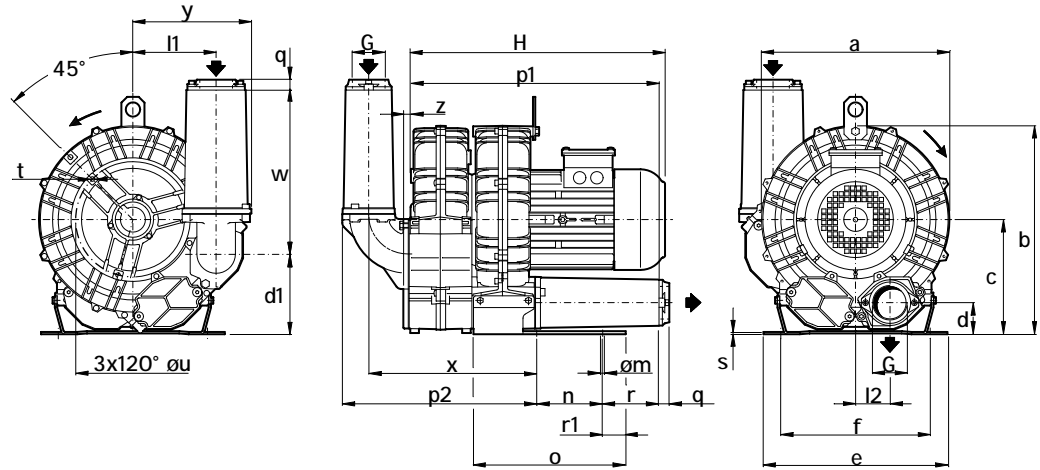
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



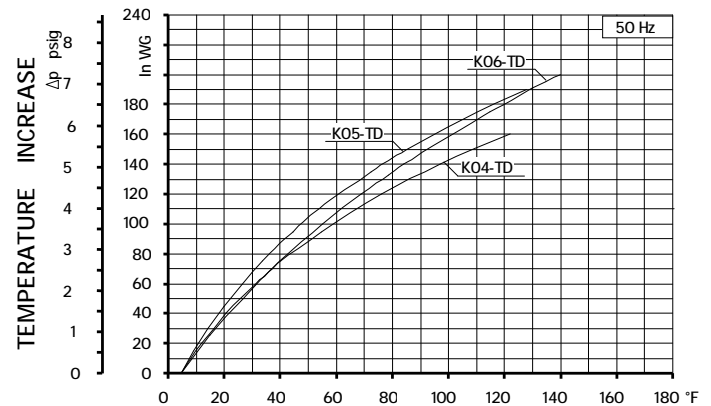
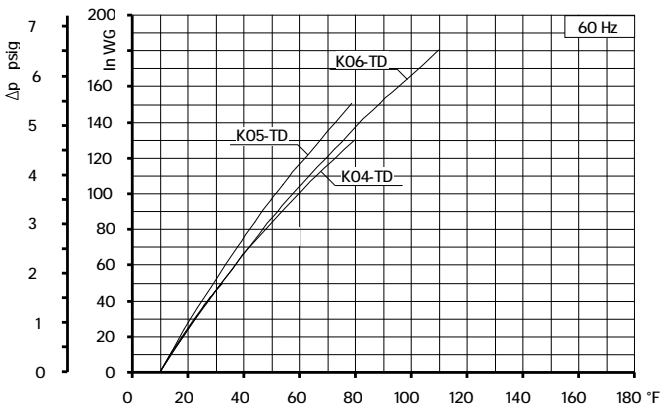
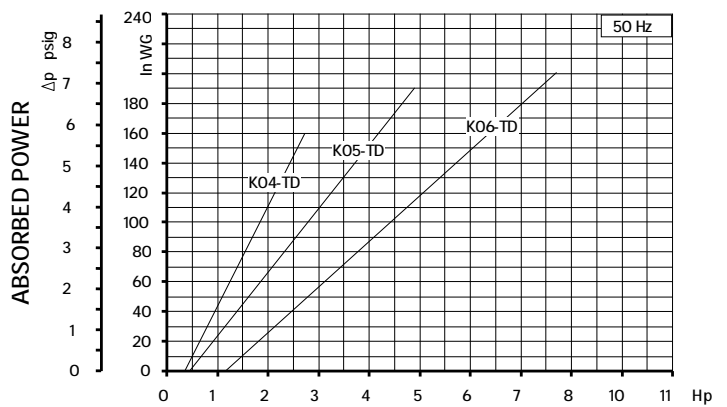
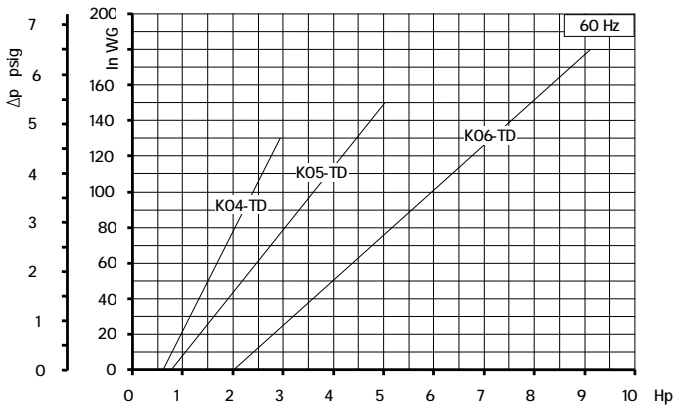
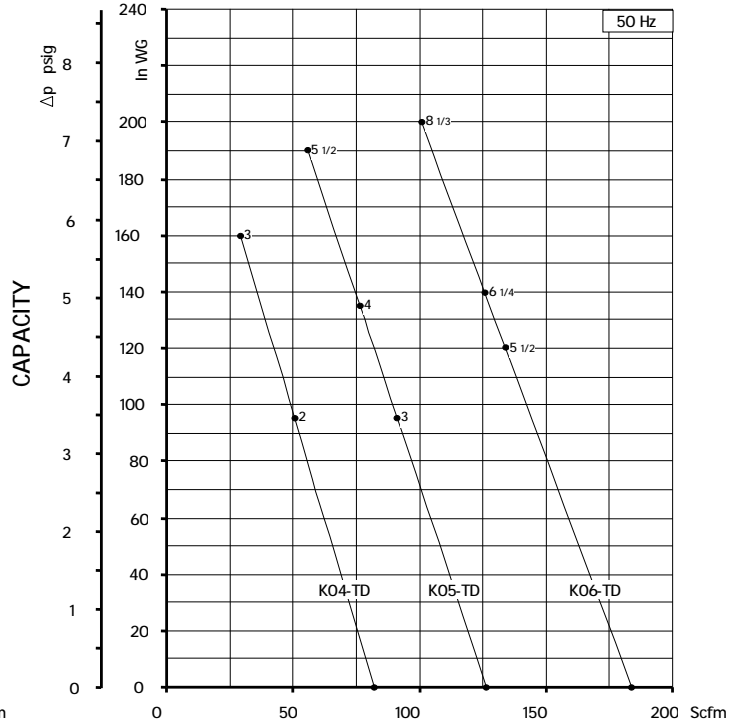
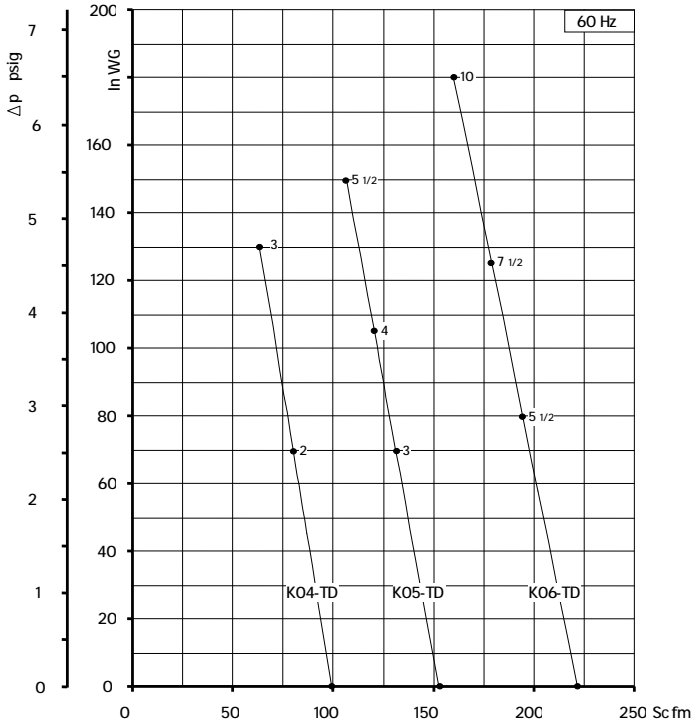
Dimensions in inches.
Dimension for reference only.

| Model | a | b | c | d | d1 | e | f | G | l1 | l2 | m | n | o | p1 | p2 | q | r | r1 | s | t | u | w | x | y | z |
|--------|-------|-------|------|------|------|-------|-------|------------|------|------|------|------|-------|-------|-------|------|------|------|------|----|------|-------|-------|------|------|
| K04-TD | 11.22 | 12.40 | 6.77 | 1.93 | 4.76 | 10.04 | 8.86 | 1" 1/2 NPT | 4.84 | 2.01 | 0.47 | 3.74 | 6.73 | 12.44 | 10.00 | 0.71 | 2.76 | 0.59 | 0.16 | M6 | 6.89 | 7.40 | 8.43 | 6.81 | 0.71 |
| K05-TD | 12.87 | 14.37 | 7.87 | 2.13 | 5.51 | 12.60 | 10.24 | 2" NPT | 5.71 | 2.36 | 0.59 | 4.53 | 10.43 | 16.85 | 13.39 | 0.71 | 3.86 | 1.57 | 0.16 | M8 | 7.87 | 11.26 | 11.54 | 8.11 | 0.75 |
| K06-TD | 14.80 | 16.54 | 9.13 | 2.32 | 6.69 | 12.80 | 11.42 | 2" NPT | 5.94 | 2.87 | 0.59 | 5.51 | 10.43 | 19.92 | 13.94 | 0.71 | 5.35 | 0.75 | 0.16 | M8 | 9.45 | 11.26 | 12.13 | 8.27 | 0.75 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|-------------------|----------------|--------------------|----------------|--|----------------|---------------------------|----------------|-----------------------------|------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| | K04-TD | 99 | 82 | 2 | 2 | 70 | 95 | 71.0 | 69.0 | 17.26 |
| K05-TD | 153 | 127 | 3 | 3 | 130 | 160 | 72.0 | 70.0 | 17.26 | 69.44 |
| | | | 3 | 3 | 70 | 95 | 73.0 | 71.0 | 17.45 | 84.88 |
| | | | 4 | 4 | 105 | 135 | 74.5 | 72.5 | 18.64 | 88.18 |
| K06-TD | 222 | 184 | 5 1/2 | 5 1/2 | 150 | 190 | 76.0 | 74.0 | 18.64 | 92.59 |
| | | | 5 1/2 | 5 1/2 | 80 | 120 | 75.0 | 73.0 | 18.98 | 103.62 |
| | | | 7 1/2 | 7 1/2 | 125 | 140 | 76.0 | 74.0 | 22.60 | 139.99 |
| | | | 10 | 10 | 180 | 200 | 77.0 | 75.0 | 22.60 | 148.81 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

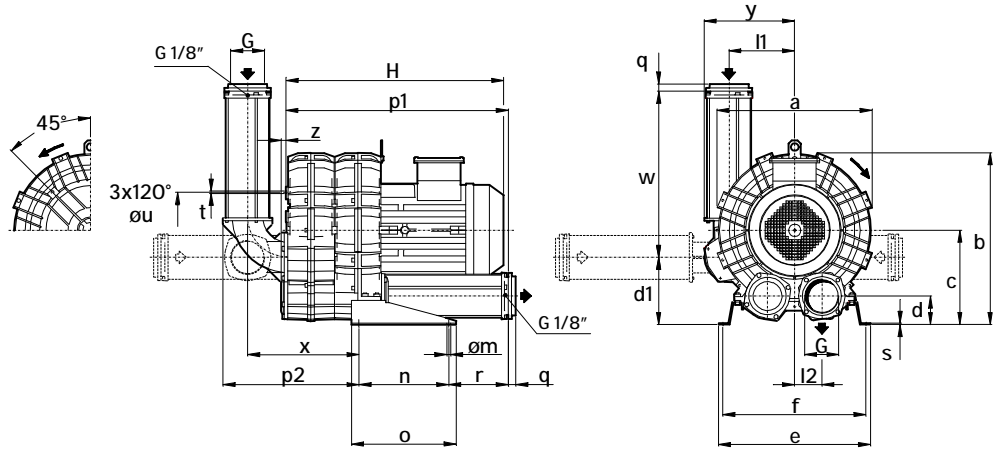
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



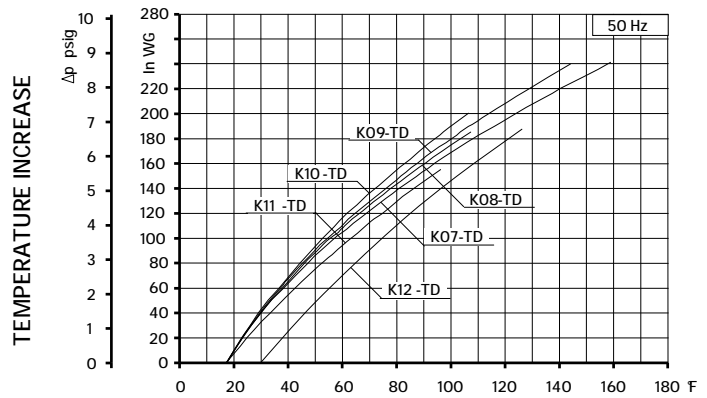
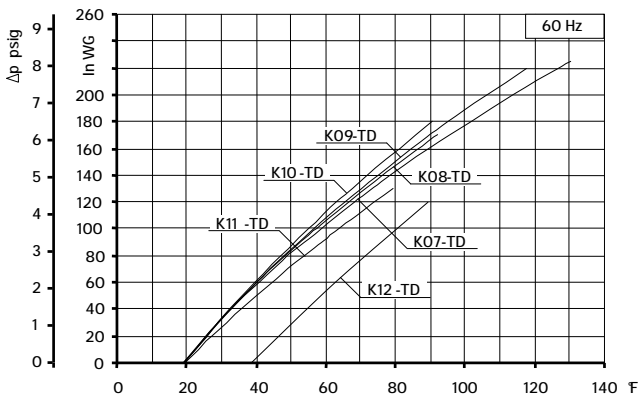
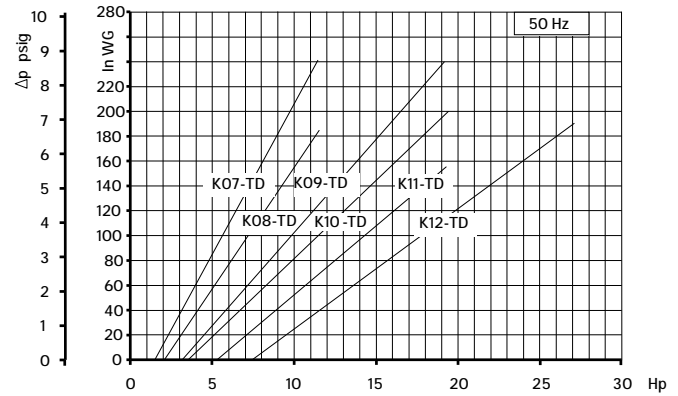
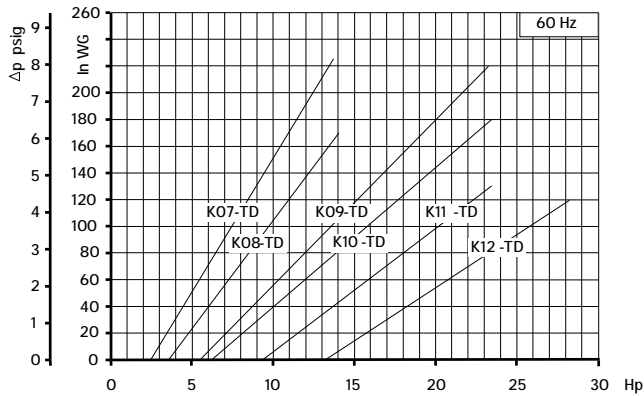
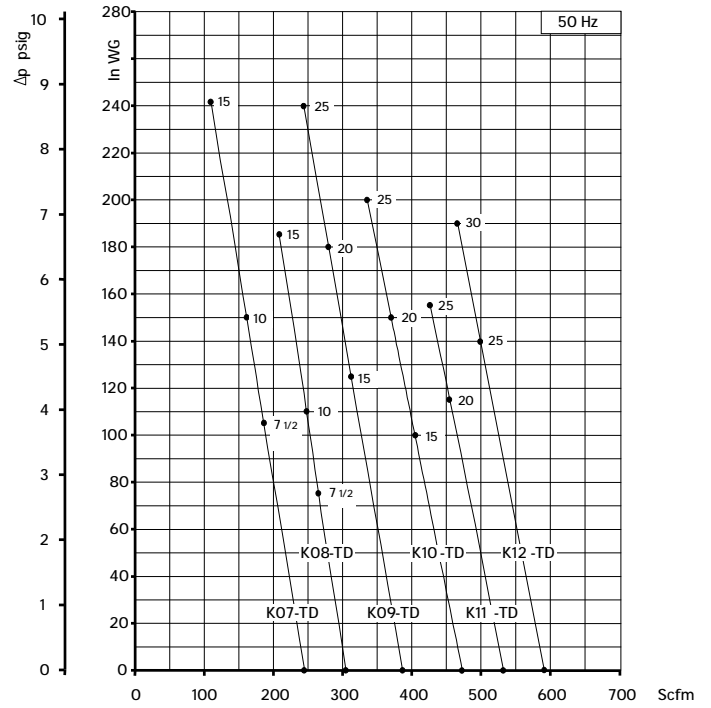
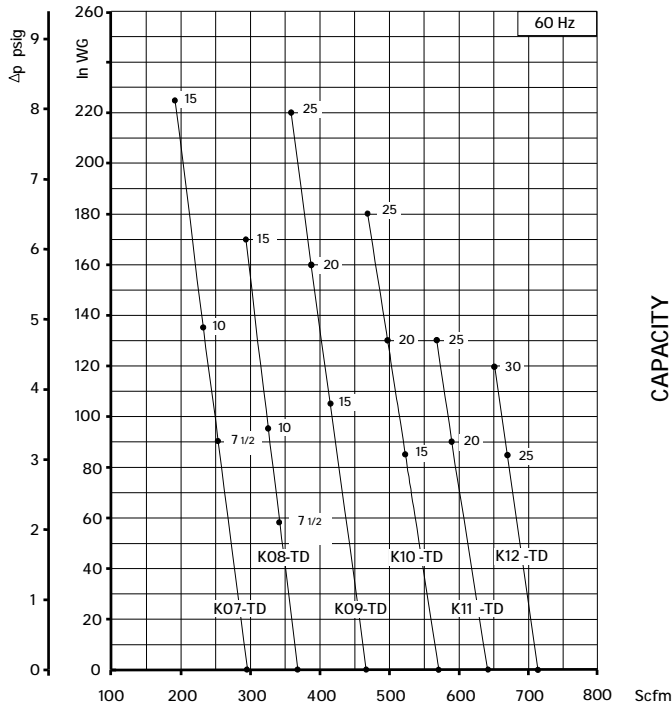
Dimensions in inches.
Dimension for reference only.

| Model | a | b | c | d | d1 | e | f | G | l1 | l2 | m | n | o | p1 | p2 | q | r | s | t | u | w | x | y | z |
|--------|-------|-------|-------|------|------|-------|-------|-------|------|------|------|-------|-------|-------|-------|------|------|------|----|-------|-------|-------|-------|------|
| K07-TD | 16.69 | 18.94 | 10.59 | 3.23 | 7.56 | 18.43 | 17.24 | 3"NPT | 7.36 | 3.05 | 0.51 | 11.81 | 13.78 | 25.55 | 15.43 | 0.98 | 5.39 | 0.20 | M8 | 11.61 | 18.94 | 12.56 | 10.24 | 0.63 |
| K08-TD | 17.99 | 19.61 | 10.59 | 3.23 | 7.56 | 18.82 | 17.64 | 3"NPT | 7.36 | 3.05 | 0.51 | 11.81 | 13.78 | 25.55 | 15.43 | 0.98 | 5.39 | 0.20 | M8 | 12.20 | 18.94 | 12.56 | 10.24 | 0.63 |
| K09-TD | 19.37 | 22.09 | 12.4 | 3.78 | 8.86 | 20.00 | 18.82 | 4"NPT | 8.66 | 3.58 | 0.51 | 11.81 | 13.78 | 29.33 | 17.91 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 21.89 | 14.65 | 11.89 | 0.63 |
| K10-TD | 20.31 | 22.56 | 12.4 | 3.78 | 8.86 | 20.00 | 18.82 | 4"NPT | 8.66 | 3.58 | 0.51 | 11.81 | 13.78 | 29.33 | 17.91 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 21.89 | 14.65 | 11.89 | 0.63 |
| K11-TD | 21.26 | 23.70 | 13.07 | 3.54 | 9.13 | 21.18 | 20.00 | 4"NPT | 9.53 | 3.94 | 0.51 | 11.81 | 13.78 | 30.12 | 18.50 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 21.89 | 15.24 | 12.76 | 0.63 |
| K12-TD | 21.57 | 23.81 | 13.07 | 3.54 | 9.13 | 21.18 | 20.00 | 4"NPT | 9.53 | 3.94 | 0.51 | 11.81 | 13.78 | 30.23 | 18.50 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 21.89 | 15.24 | 12.76 | 0.63 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Overall dimensions H Inches | Weight Lbs |
|--------|-------------------|-------------------|--------------------|-------------------|--|-------------------|--------------------------------------|-------------------|-----------------------------|------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| | | | | | | | | | | |
| K07-TD | 296 | 245 | 7 1/2 | 7 1/2 | 90 | 105 | 80.9 | 78.9 | 23.76 | 194.0 |
| | | | 10 | 10 | 135 | 150 | 81.2 | 79.2 | 23.76 | 202.8 |
| | | | 15 | 15 | 225 | 241 | 81.8 | 79.8 | 24.55 | 220.5 |
| K08-TD | 368 | 305 | 7 1/2 | 7 1/2 | 58 | 75 | 80.1 | 78.1 | 23.76 | 202.16 |
| | | | 10 | 10 | 95 | 110 | 80.4 | 78.4 | 23.76 | 210.98 |
| | | | 15 | 15 | 170 | 185 | 81.5 | 79.5 | 24.55 | 228.62 |
| K09-TD | 467 | 387 | 15 | 15 | 105 | 125 | 82.7 | 80.7 | 25.81 | 222.66 |
| | | | 20 | 20 | 160 | 180 | 83.0 | 81.0 | 29.92 | 347.22 |
| | | | 25 | 25 | 220 | 240 | 83.3 | 81.3 | 30.79 | 380.29 |
| K10-TD | 571 | 473 | 15 | 15 | 85 | 100 | 86.6 | 84.6 | 25.81 | 271.17 |
| | | | 20 | 20 | 130 | 150 | 86.9 | 84.9 | 29.92 | 351.63 |
| | | | 25 | 25 | 180 | 200 | 87.2 | 85.2 | 30.79 | 384.70 |
| K11-TD | 642 | 532 | 20 | 20 | 90 | 115 | 87.4 | 85.4 | 31.38 | 392.64 |
| | | | 25 | 25 | 130 | 155 | 87.9 | 85.9 | 31.38 | 425.71 |
| K12-TD | 716 | 593 | 25 | 25 | 85 | 140 | 88.2 | 86.2 | 31.50 | 423.50 |
| | | | 30 | 30 | 120 | 190 | 88.7 | 86.7 | 31.50 | 429.0 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

STANDARD FEATURES

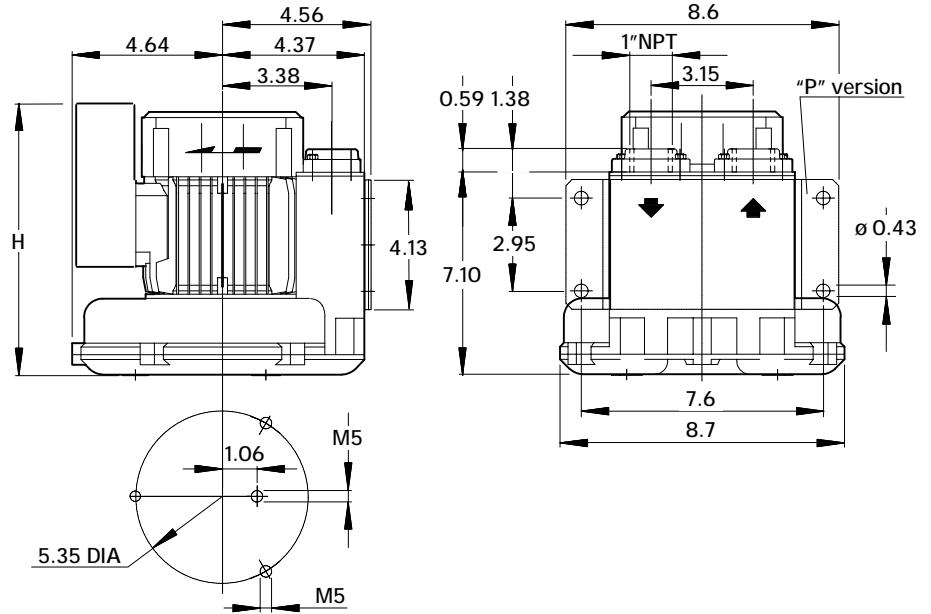
- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC - cURus motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +104 °F.
- Mountable in any plane.

OPTIONS

- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

ACCESSORIES

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optionals connectors

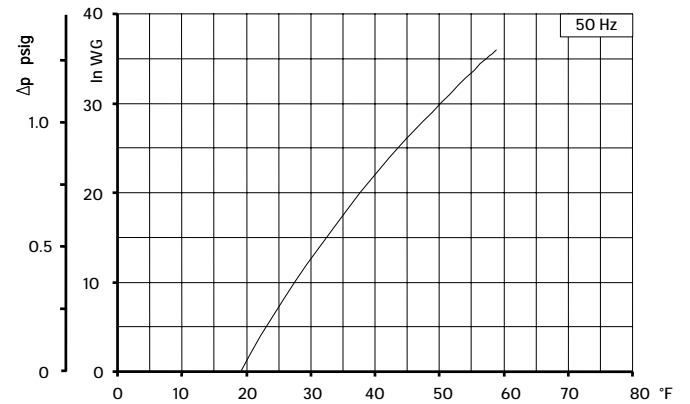
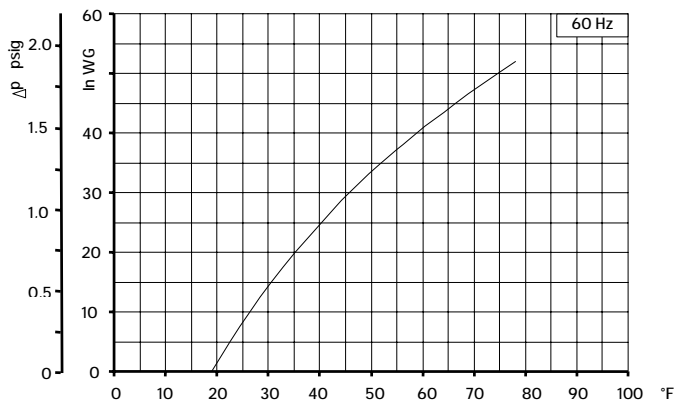
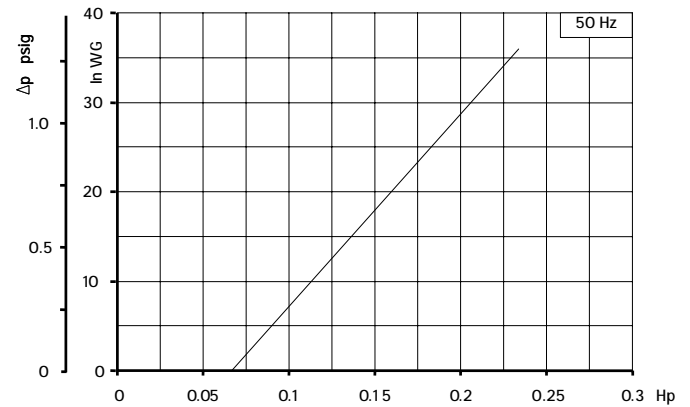
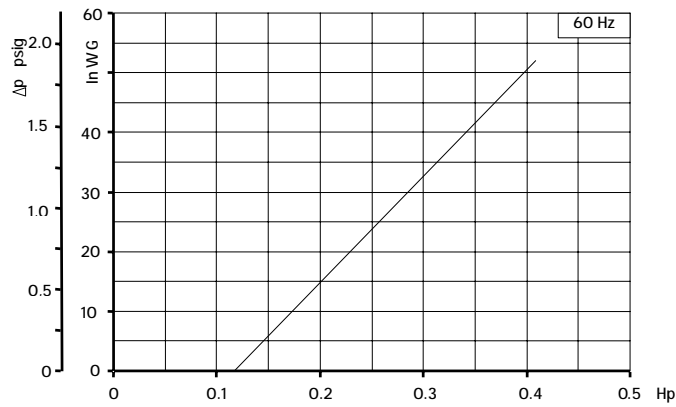
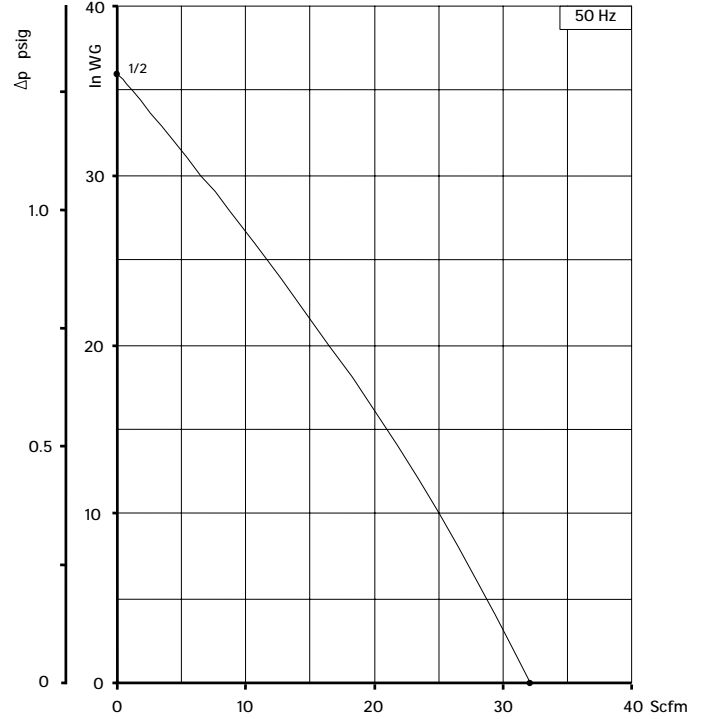
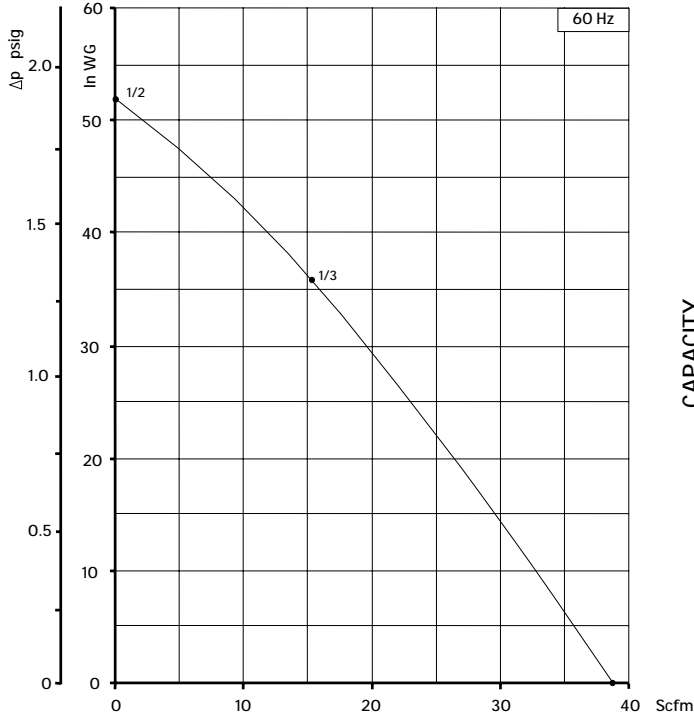


Dimensions in inches.
 Dimension for reference only.

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|-------|----------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| 06 | 39 | 32 | 1/3 | - | 36 | - | 58.7 | - | 10.60 | 18.30 |
| | | | 1/2 | 1/2 | 52 | 36 | 59.0 | 58.0 | 10.60 | 18.50 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

STANDARD FEATURES

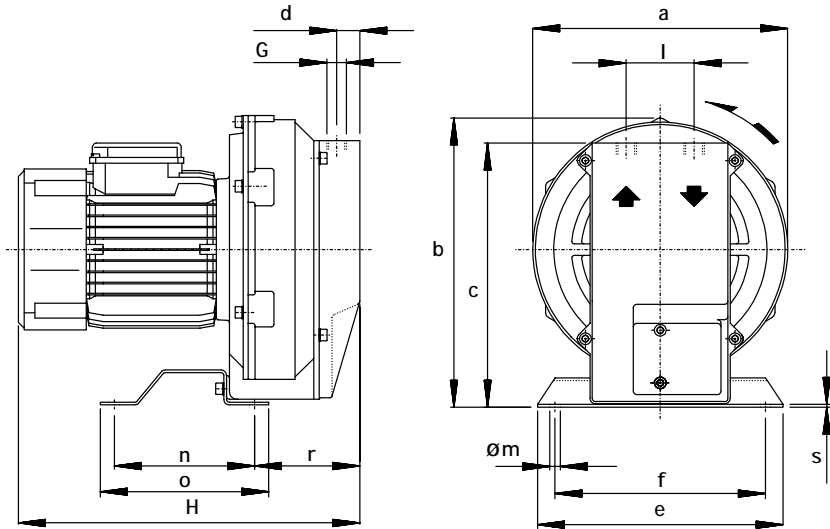
- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC - cURus motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +104 °F.
- Mountable in any plane.

OPTIONS

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

ACCESSORIES

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optionals connectors



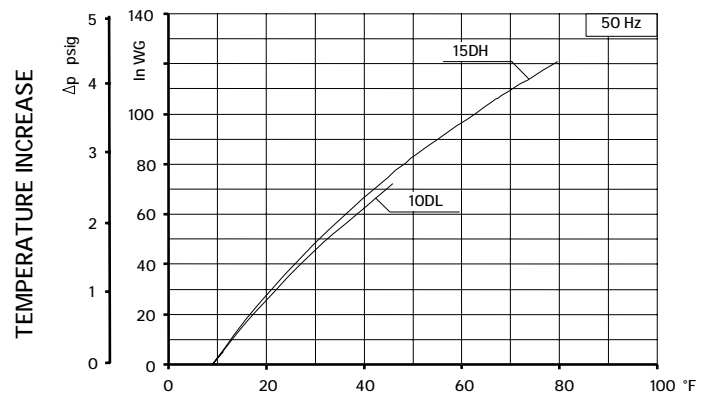
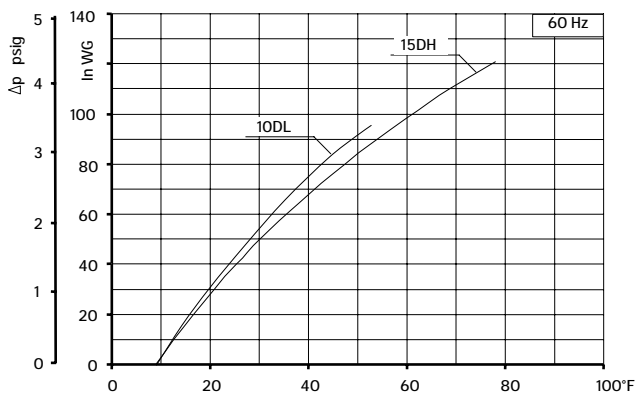
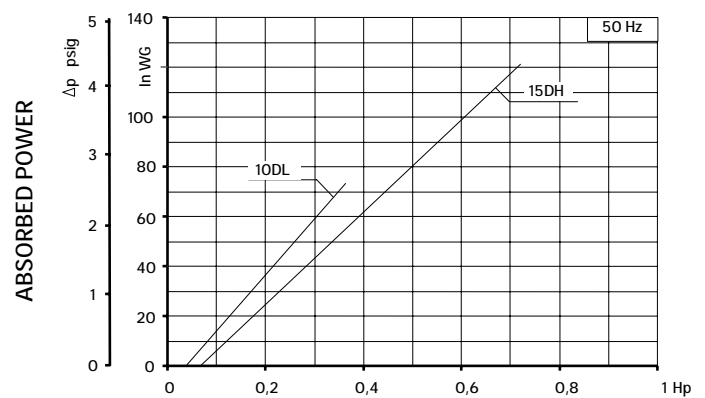
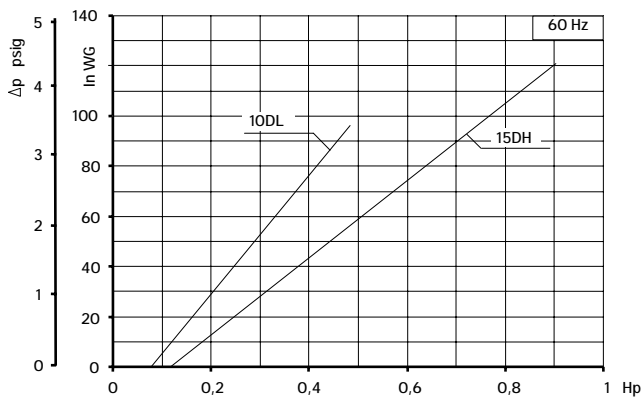
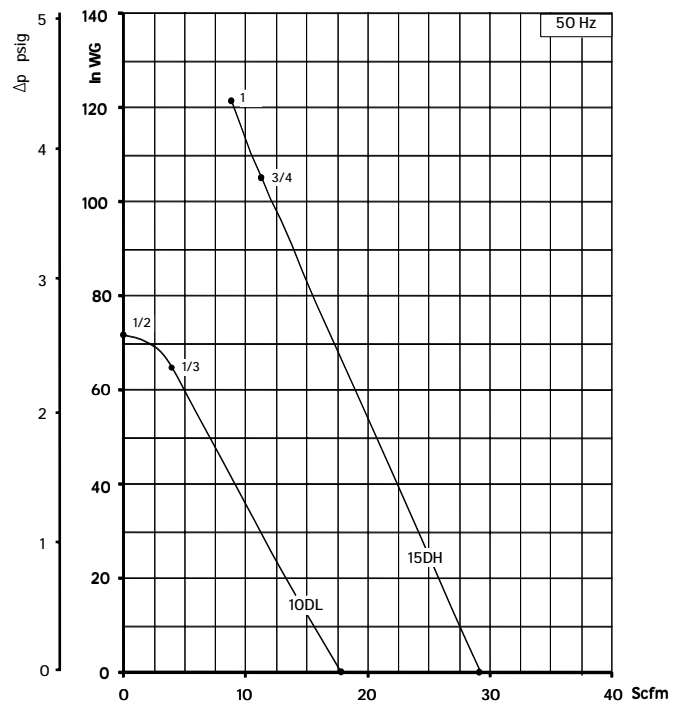
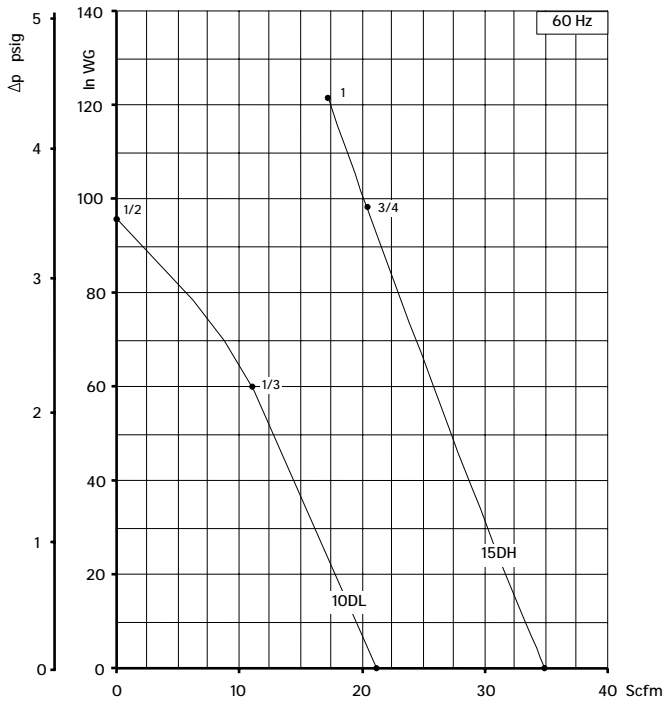
Dimensions in inches.
 Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | r | s |
|-------|------|-------|-------|------|------|------|----------|------|------|------|------|------|------|
| 10DL | 8.66 | 10.08 | 9.06 | 0.91 | 8.27 | 7.09 | 1/2" NPT | 2.28 | 0.35 | 4.72 | 5.67 | 3.54 | 0.10 |
| 15DH | 9.84 | 11.26 | 10.16 | 1.18 | 8.27 | 7.09 | 3/4" NPT | 2.52 | 0.35 | 4.72 | 5.67 | 4.72 | 0.10 |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Overall dimensions H | Weight |
|-------|-------------------|-------------------|--------------------|-------------------|--|-------------------|--------------------------------------|-------------------|----------------------|--------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| 10DL | 21 | 18 | 1/3 | 1/3 | 60 | 65 | 63.7 | 61.7 | 12.20 | 21.80 |
| | | | 1/2 | 1/2 | 96 | 73 | 64.0 | 62.0 | 12.76 | 23.50 |
| 15DH | 35 | 29 | 3/4 | 3/4 | 98 | 105 | 63.7 | 61.7 | 14.25 | 32.50 |
| | | | 1 | 1 | 120.5 | 120.5 | 64.0 | 62.0 | 15.75 | 40.00 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

STANDARD FEATURES

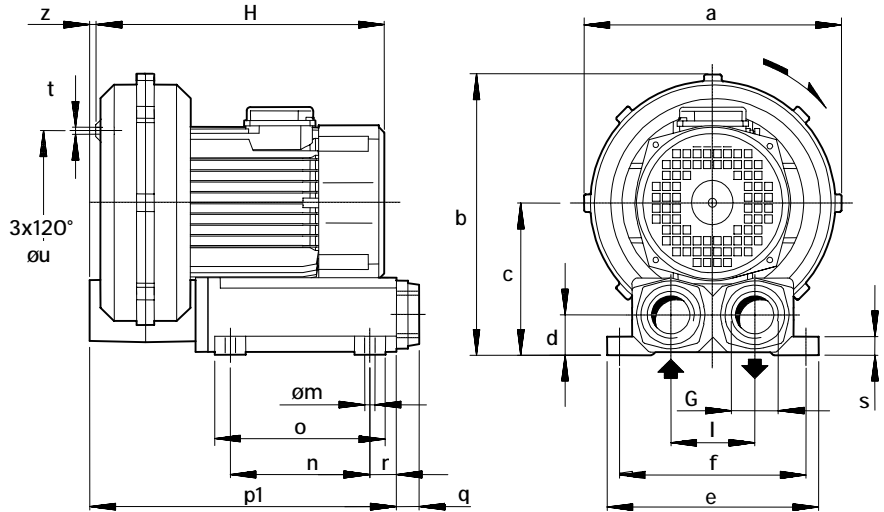
- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC - cURus motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +104 °F.
- Mountable in any plane.

OPTIONS

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

ACCESSORIES

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optionals connectors



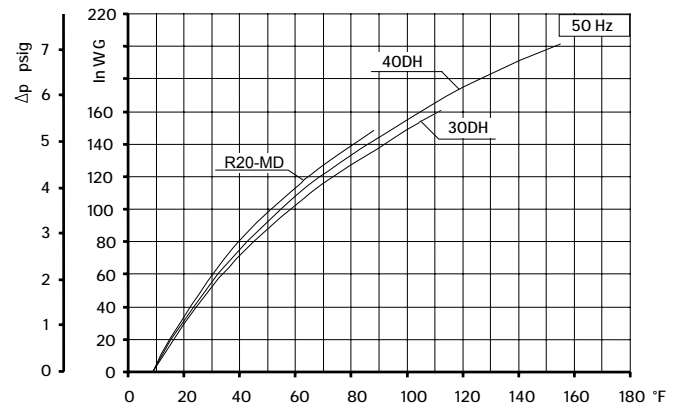
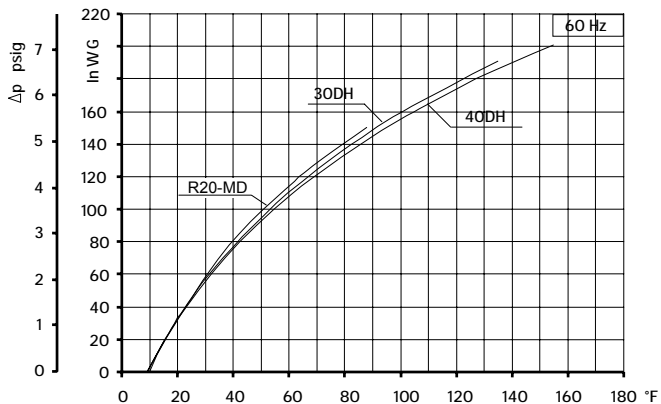
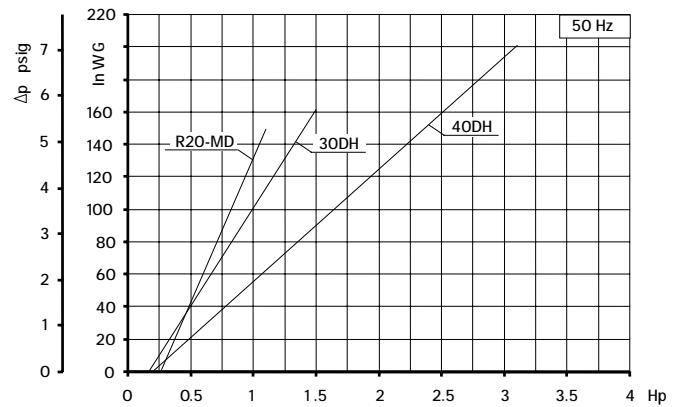
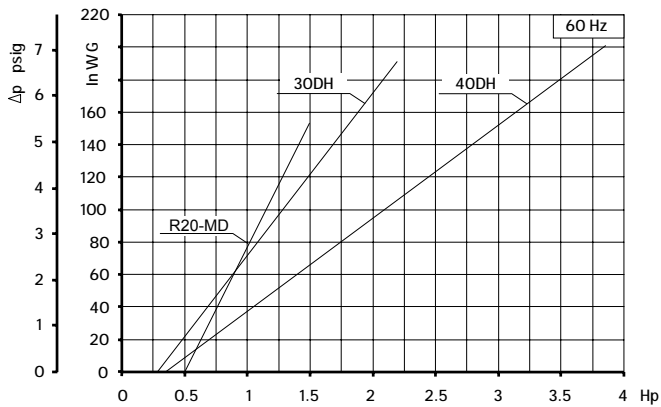
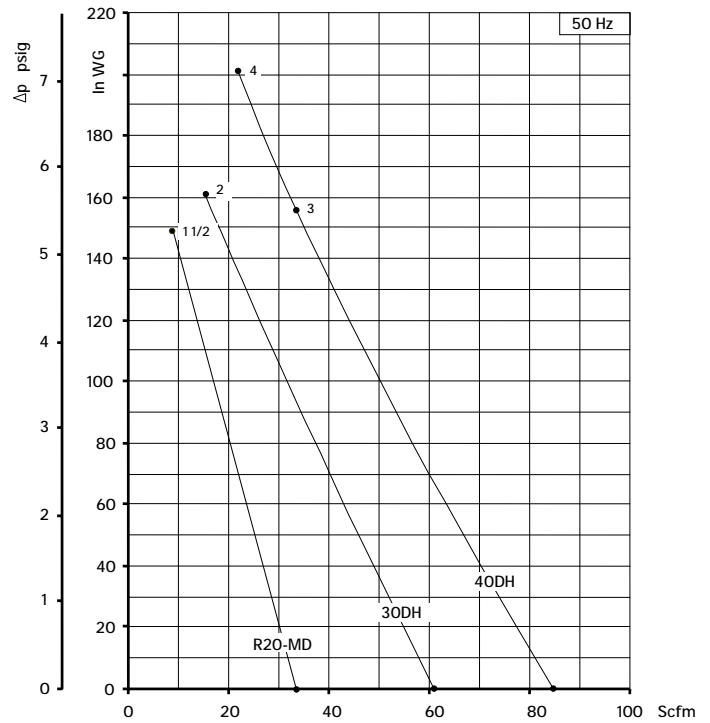
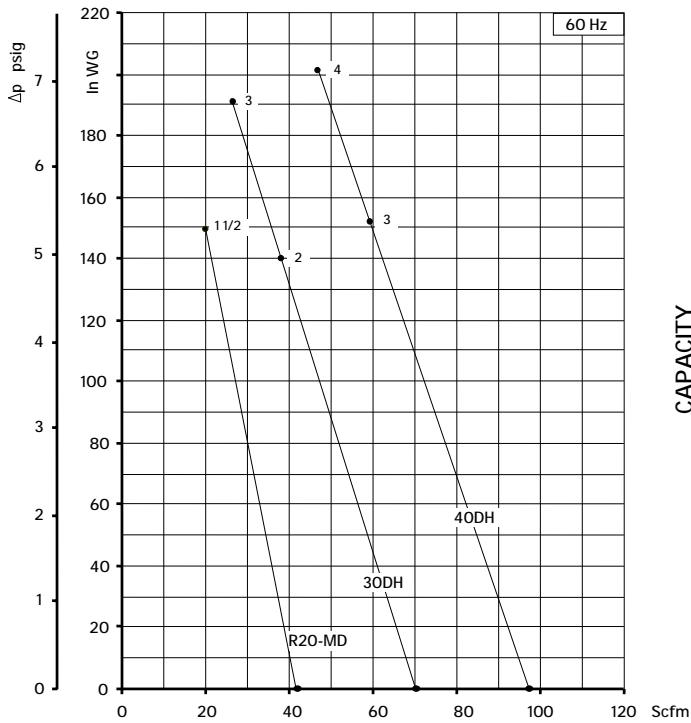
Dimensions in inches.
 Dimension for reference only.

| Model | a | b | c | d | e | f | G | I | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|------|------|-------|------|----------|------|------|------|------|-------|------|------|------|----|------|------|
| R20-MD | 11.22 | 12.20 | 6.57 | 1.77 | 9.05 | 8.27 | 1" ¼ NPT | 3.54 | 0.40 | 5.90 | 7.68 | 13.5 | 0.71 | 1.77 | 0.78 | M6 | 5.91 | - |
| 30DH | 12.60 | 13.66 | 7.36 | 2.09 | 10.63 | 9.64 | 1" ½ NPT | 4.13 | 0.39 | 7.28 | 9.25 | 16.54 | 0.71 | 2.17 | 0.79 | M6 | 7.09 | 0.67 |
| 40DH | 13.78 | 14.57 | 7.68 | 2.09 | 10.63 | 9.65 | 1" ½ NPT | 4.13 | 0.39 | 7.28 | 9.25 | 17.32 | 0.71 | 2.17 | 0.79 | M8 | 8.86 | - |

| Model | Maximum flow Scfm | | Installed power Hp | | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Overall dimensions H | Weight |
|--------|-------------------|----------|--------------------|----------|--|----------|--------------------------------------|----------|----------------------|--------|
| | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | | |
| | 3500 rpm | 2900 rpm | 3500 rpm | 2900 rpm | 3500 rpm | 2900 rpm | 3500 rpm | 2900 rpm | Inches | Lbs |
| R20-MD | 41 | 34 | 1 ½ | 1 ½ | 150 | 150 | 68.0 | 65.0 | 13.86 | 47.30 |
| 30DH | 70 | 61 | 2 | 2 | 140 | 161 | 69.7 | 67.7 | 15.36 | 58.30 |
| | | | 3 | - | 191 | - | 70.0 | 68.0 | 15.36 | 64.90 |
| 40DH | 98 | 85 | 3 | 3 | 151 | 156 | 74.7 | 71.7 | 16.93 | 75.00 |
| | | | 4 | 4 | 201 | 201 | 75.0 | 72.0 | 16.93 | 83.80 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

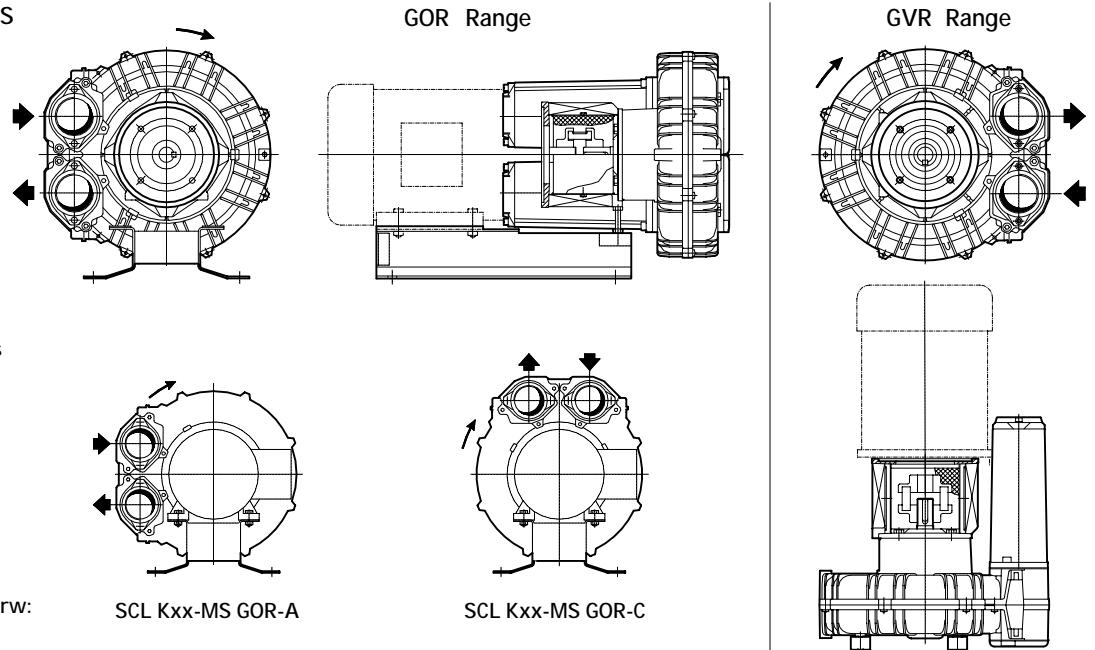
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



For dimensions, please refer to drw:

- GOR range: SI 1852

- GVR range: SI 1946

SCL Kxx-MS GOR-A

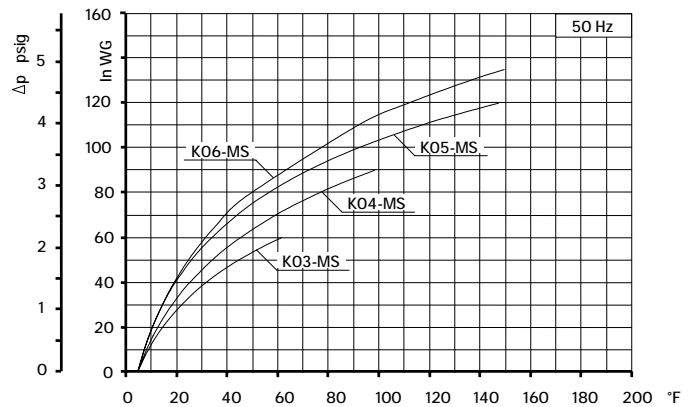
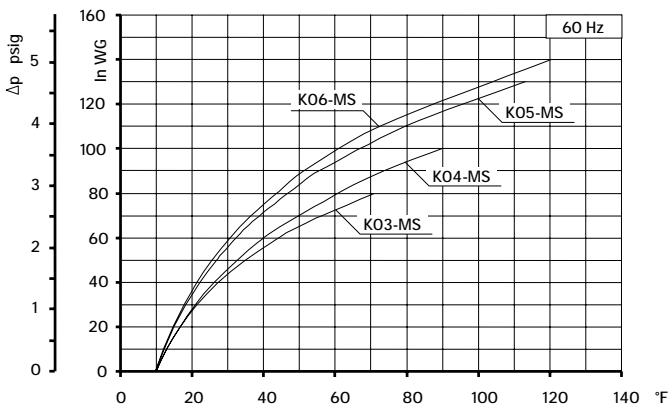
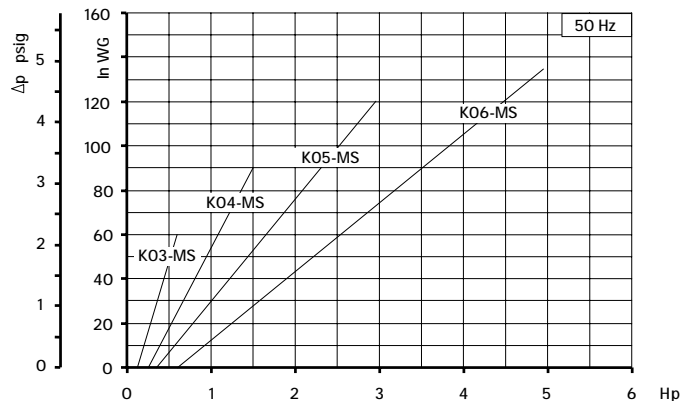
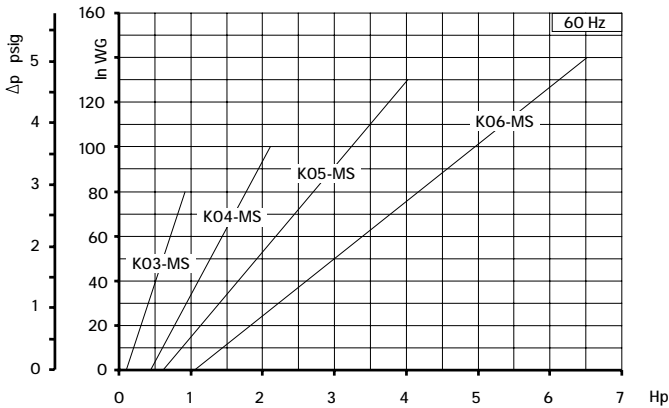
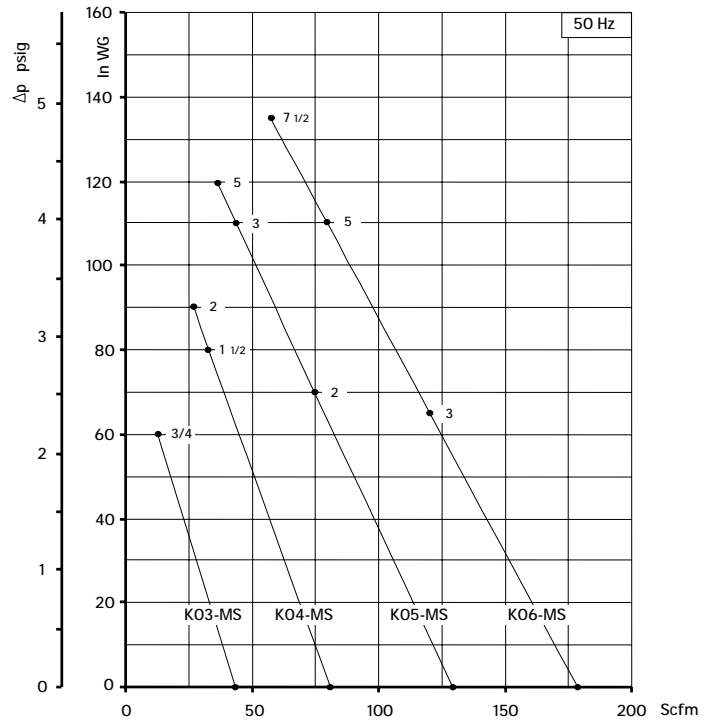
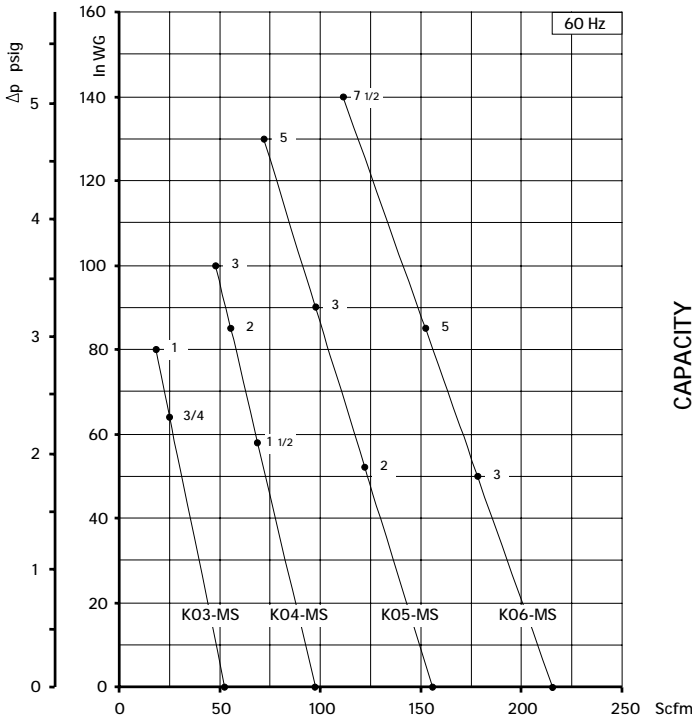
SCL Kxx-MS GOR-C

| Model | Maximum flow Scfm | | Installed power Hp | Size | Maximum differential pressure Dp (In WG) | | Noise level Lp dB (A) (1) | | Weight (2) | |
|--------|----------------------|-------------------|-----------------------|--------------|---|-------------------|---------------------------------|-------------------|---------------|-------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | Lbs | |
| | | | | | | | | | GOR | GVR |
| K03-MS | 52 | 43 | 3/4 | NEMA 56C | 64 | 60 | 62.0 | 60.0 | 22.00 | 17.60 |
| | | | 1 | NEMA 56C | 80 | | 62.3 | | | |
| K04-MS | 98 | 81 | 1 1/2 | NEMA 56C | 58 | 80 | 64.8 | 62.8 | 27.60 | 22.00 |
| | | | 2 | NEMA 56C | 85 | 90 | 63.0 | | | |
| | | | 3 | NEMA 56C | 100 | | | 65.2 | | |
| K05-MS | 156 | 129 | 2 | NEMA 143-5TC | 52 | 70 | 70.5 | 68.5 | 35.00 | 28.00 |
| | | | 3 | NEMA 143-5TC | 90 | 110 | 70.8 | | | |
| | | | 5 | NEMA 182-4TC | 130 | 120 | 71.1 | 69.1 | 34.50 | 27.00 |
| K06-MS | 216 | 179 | 3 | NEMA 143-5TC | 50 | 65 | 73.0 | 71.0 | 46.00 | 38.40 |
| | | | | NEMA 182-4TC | | | | | | |
| | | | 5 | NEMA 182-4TC | 85 | 110 | 73.6 | 71.6 | 40.80 | 38.00 |
| 7 1/2 | NEMA 182-4TC | 140 | 135 | 73.9 | 71.9 | | | | | |

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

(2) Value is referred to weight of the machine without electric motor.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

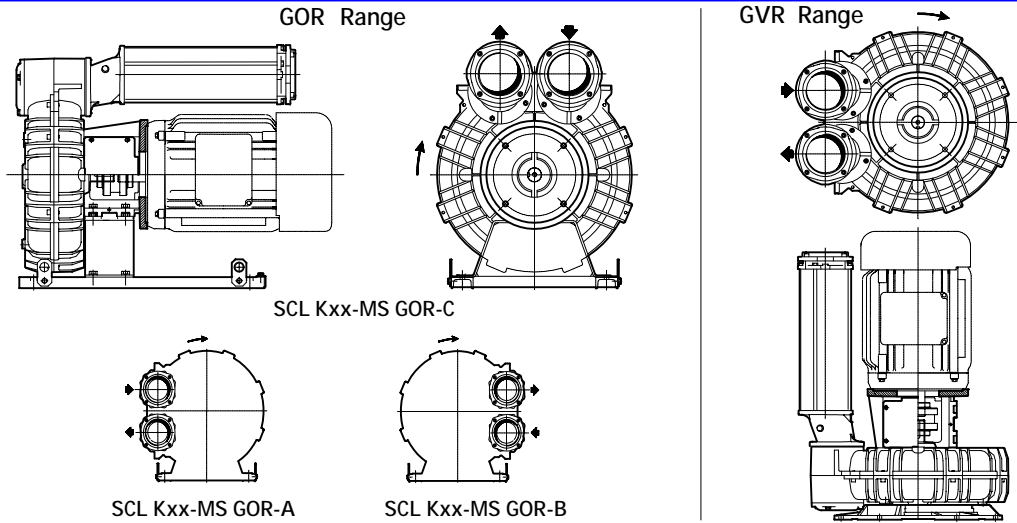
ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

For dimensions, please refer to drw:

GOR range: SI 1873

GVR range: SI 1920



| Model | Maximum flow Scfm | | Installed power Hp | Size | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Weight ⁽²⁾ Lbs |
|--------------|-------------------|-------------------|--------------------|---------------|--|-------------------|--------------------------------------|-------------------|------------------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| | | | | | | | | | |
| K07-MS | 294 | 243 | 5 | NEMA 182-4TC | 70 | 86 | 79.0 | 77.0 | 110.5 |
| | | | 7 1/2 | NEMA 182-4TC | 130 | 140 | 79.3 | 77.3 | 110.5 |
| | | | | NEMA 213-5TC | | | | | 110.5 |
| | | | 10 | NEMA 213-5TC | 170 | 79.6 | 110.5 | | |
| K08-MS | 381 | 316 | 5 | NEMA 182-4TC | 38 | 52 | 79.7 | 77.7 | 127.0 |
| | | | 7 1/2 | NEMA 182-4TC | 68 | 90 | 80.0 | 78.0 | 127.0 |
| | | | | NEMA 213-5TC | | | | | 127.0 |
| | | | 10 | NEMA 213-5TC | 115 | 125 | 80.3 | 78.3 | 127.0 |
| | | | 15 | NEMA 213-5TC | 170 | 160 | 80.6 | 78.6 | 127.0 |
| NEMA 254-6TC | 130.6 | | | | | | | | |
| K09-MS | 471 | 390 | 7 1/2 | NEMA 182-4TC | 50 | 63 | 80.2 | 78.2 | 133.4 |
| | | | | NEMA 213-5TC | | | | | 133.4 |
| | | | 10 | NEMA 213-5TC | 80 | 95 | 80.5 | 78.5 | 133.4 |
| | | | 15 | NEMA 213-5TC | 140 | 155 | 81.0 | 79.0 | 133.4 |
| | | | | NEMA 254-6TC | | | | | 137.0 |
| 20 | NEMA 254-6TC | 180 | 170 | 81.3 | 79.3 | 137.0 | | | |
| K10-MS | 556 | 460 | 7 1/2 | NEMA 182-4TC | 30 | 50 | 80.1 | 78.1 | 147.3 |
| | | | | NEMA 213-5TC | | | | | 147.3 |
| | | | 10 | NEMA 213-5TC | 60 | 80 | 80.5 | 78.5 | 147.3 |
| | | | 15 | NEMA 213-5TC | 110 | 135 | 81.0 | 79.0 | 147.3 |
| | | | | NEMA 254-6TC | | | | | 151.0 |
| | | | 20 | NEMA 254-6TC | 160 | 190 | 81.4 | 79.4 | 151.0 |
| 25 | NEMA 284-6TSC | 200 | 81.6 | 147.3 | | | | | |
| K11-MS | 650 | 539 | 10 | NEMA 213-5TC | 40 | 53 | 82.0 | 80.0 | 170.0 |
| | | | 15 | NEMA 213-5TC | 80 | 97 | 82.4 | 80.4 | 170.0 |
| | | | | NEMA 254-6TC | | | | | 176.4 |
| | | | 20 | NEMA 254-6TC | 125 | 140 | 82.7 | 80.7 | 176.4 |
| | | | 25 | NEMA 284-6TSC | 160 | 190 | 85.6 | 83.6 | 170.0 |
| 30 | NEMA 284-6TSC | 200 | 86.0 | 170.0 | | | | | |
| K12MS | 726 | 602 | 15 | NEMA 213-5TC | 52 | 90 | 82.9 | 80.9 | 177.7 |
| | | | | NEMA 254-6TC | | | | | 184.1 |
| | | | 20 | NEMA 254-6TC | 85 | 130 | 83.2 | 81.2 | 184.1 |
| | | | 25 | NEMA 284-6TSC | 120 | 170 | 86.1 | 84.1 | 177.7 |
| | | | 30 | NEMA 284-6TSC | 150 | | 86.5 | | 177.7 |
| 40 | NEMA 324-6TSC | 180 | 86.9 | 193.2 | | | | | |

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

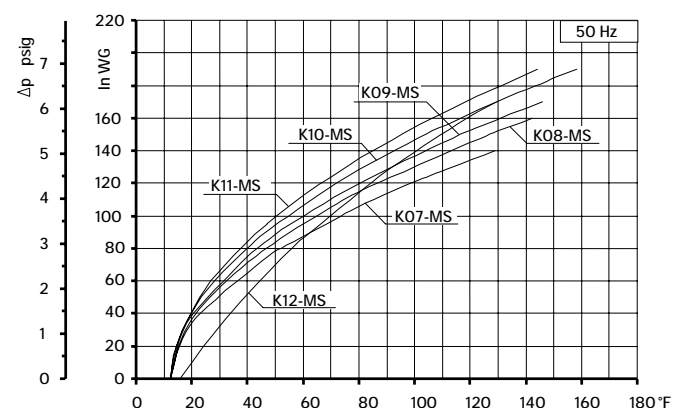
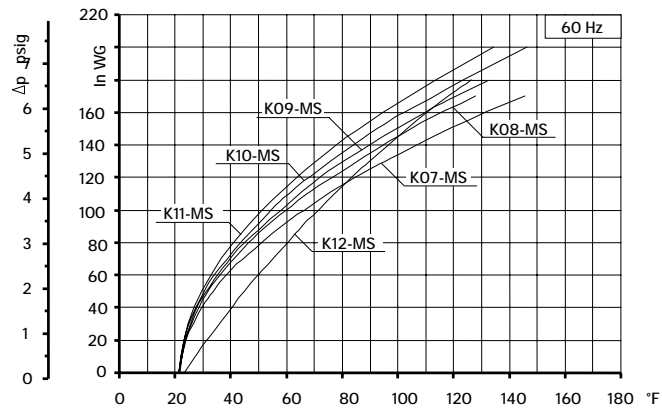
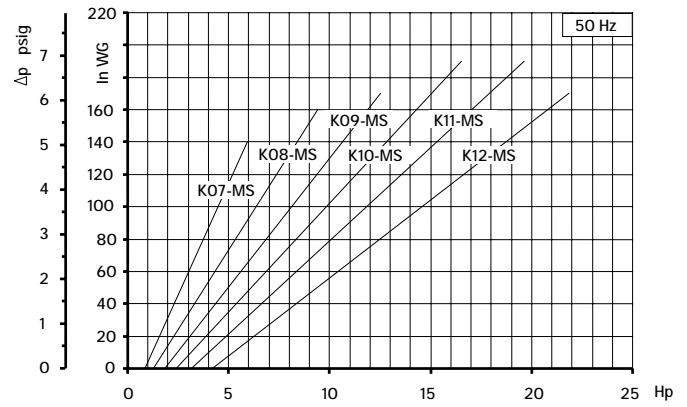
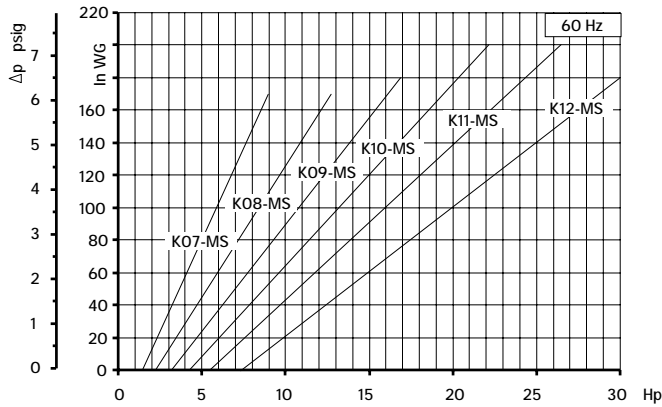
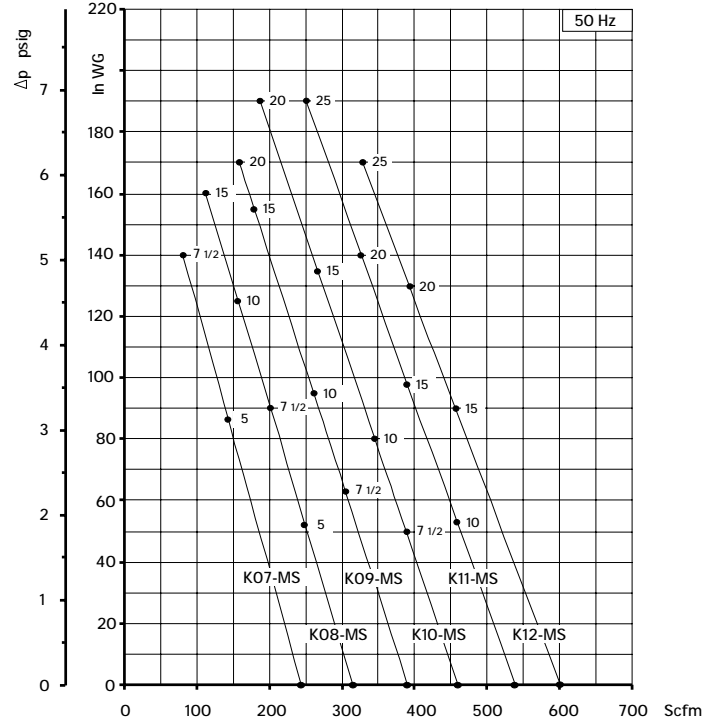
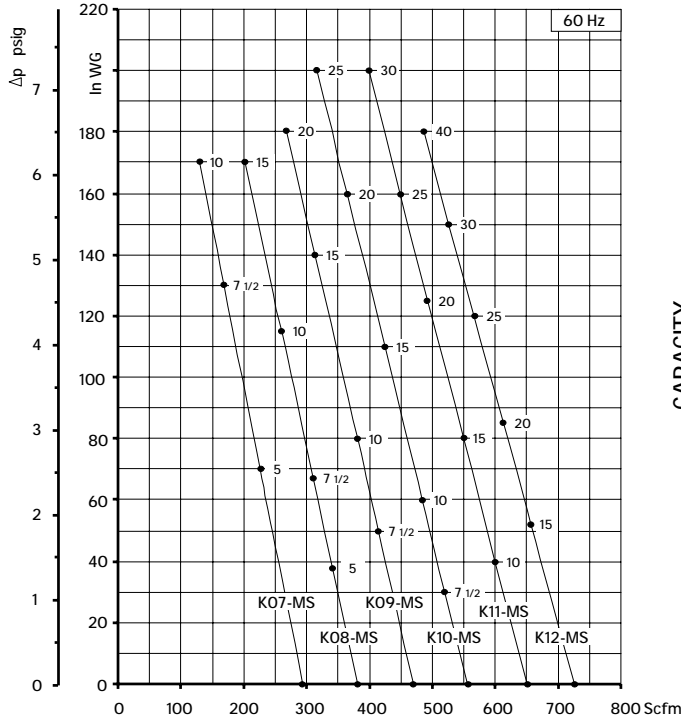
- Specifications subject to change without notice.

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
 - Ambient temperature from +5° to +104°F.



REGENERATIVE BLOWERS - PRESSURE²⁹
 SCL K07 / K08 / K09 / K10 / K11 / K12
 MS SERIES - GOR/GVR RANGE
 SN 2134-3 2/2



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

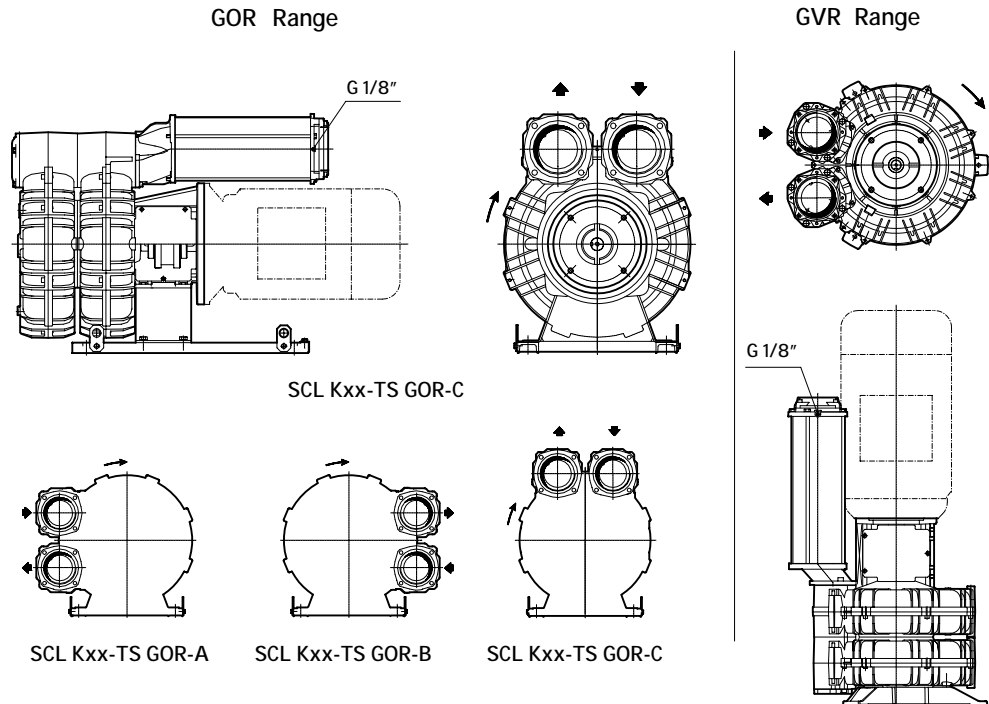
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any plane
- G1/8" female thread on both suction and discharge silencer port flanges.

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



For dimensions, please refer to drw:

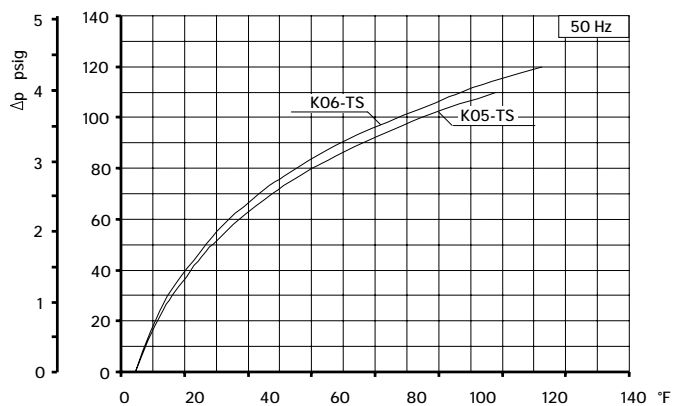
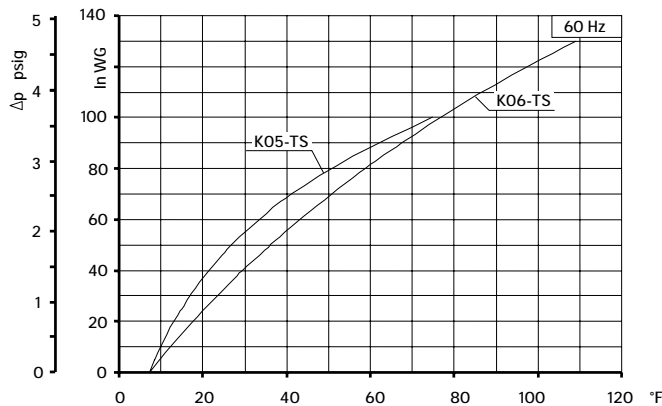
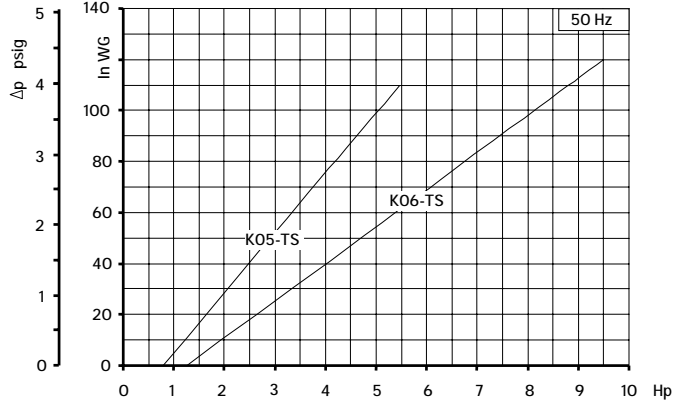
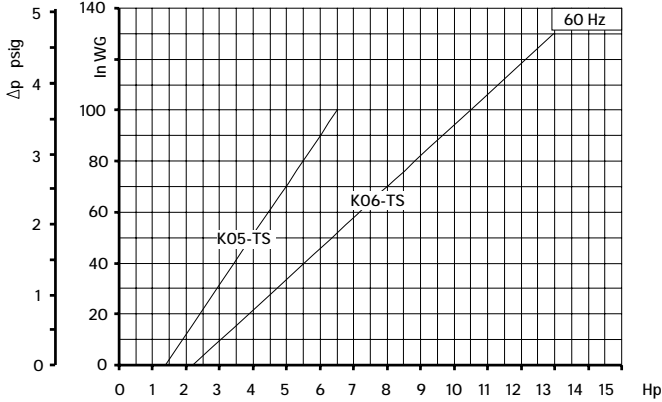
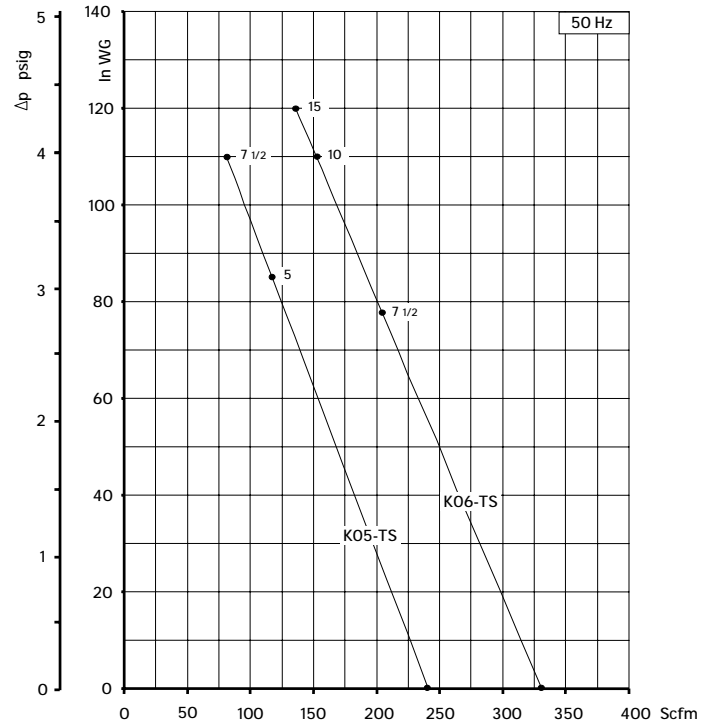
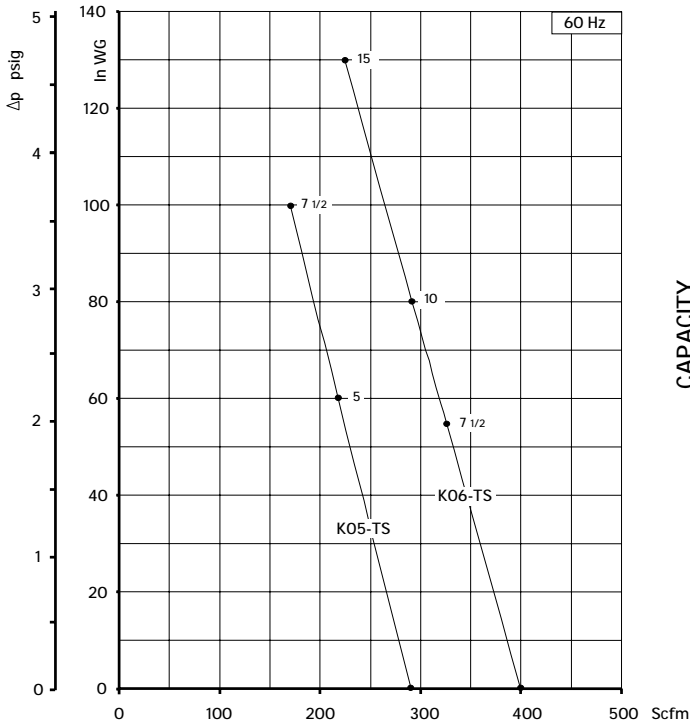
- GOR range: SI 21 23
- GVR range: SI 21 35

| Model | Maximum flow m ³ /h | | Installed power Hp | Size | Maximum differential pressure Δp (in WG) | | Noise level Lp dB (A) (1) | | Weight (2) | |
|--------|-----------------------------------|-------------------|-----------------------|--------------|---|-------------------|---------------------------------|-------------------|---------------|--------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | Lbs | |
| | | | | | | | | | GOR | GVR |
| K05-TS | 290 | 241 | 5.0 | NEMA 182-4TC | 60 | 85 | 75.5 | 73.5 | 72.75 | 68.35 |
| | | | 7.5 | | 100 | 110 | 77.5 | 75.5 | | |
| K06-TS | 400 | 331 | 7.5 | NEMA 213-5TC | 55 | 77 | 77.5 | 75.5 | 112.45 | 108.00 |
| | | | 10 | | 80 | 110 | 77.8 | 75.8 | | |
| | | | 15 | | 130 | 120 | 78.4 | 76.4 | | |

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

(2) Value is referred to weight of the machine without electric motor.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- G1/8" female thread on both suction and discharge silencer port flanges

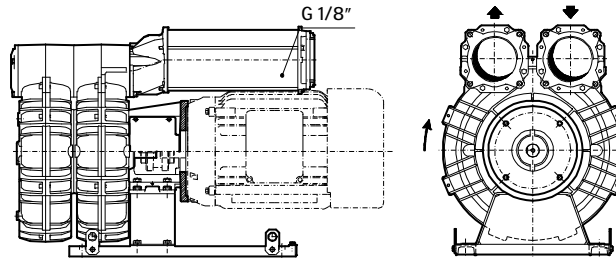
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

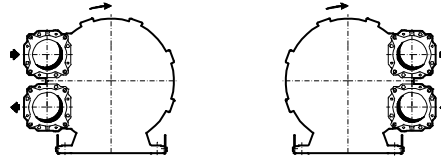
ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

For dimensions, please refer to drw:

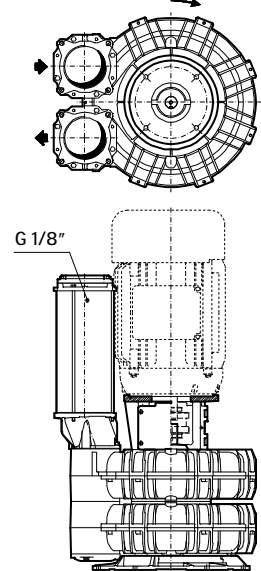
GOR range: SI 1879
GVR range: SI 1880
GOR RANGE


SCL Kxx-TS GOR-C



SCL Kxx-TS GOR-A

SCL Kxx-TS GOR-B

GVR RANGE


| Model | Maximum flow Scfm | | Installed power Hp | Size | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Weight (2) Lbs |
|--------|----------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|----------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| | | | | | | | (1) | | |
| K07-TS | 588 | 487 | 7 1/2 | NEMA 182-4TC | 36 | 60 | 83.9 | 81.9 | 160.90 |
| | | | | NEMA 213-5TC | 36 | 60 | 83.9 | 81.9 | 160.90 |
| | | | 10 | NEMA 213-5TC | 60 | 90 | 84.2 | 82.2 | 160.90 |
| | | | | NEMA 213-5TC | 110 | 140 | 84.8 | 82.8 | 160.90 |
| | | | | NEMA 254-6TC (3) | 110 | 140 | 84.8 | 82.8 | 167.60 |
| K08-TS | 715 | 592 | 10 | NEMA 213-5TC | 37 | 64 | 80.9 | 78.9 | 172.00 |
| | | | | NEMA 213-5TC | 75 | 105 | 83.3 | 81.3 | 172.00 |
| | | | 15 | NEMA 254-6TC (3) | 75 | 105 | 83.3 | 81.3 | 180.80 |
| | | | | NEMA 254-6TC (3) | 100 | 150 | 84.6 | 82.6 | 180.80 |
| | | | | NEMA 284-6TSC (3) | 140 | 150 | 86.0 | 82.6 | 174.20 |
| K09-TS | 941 | 780 | 15 | NEMA 213-5TC | 52 | 75 | 83.0 | 81.0 | 202.80 |
| | | | | NEMA 254-6TC (3) | 52 | 75 | 83.0 | 81.0 | 208.30 |
| | | | 20 | NEMA 254-6TC (3) | 80 | 108 | 85.0 | 83.0 | 208.30 |
| | | | | NEMA 284-6TSC (3) | 110 | 145 | 87.0 | 85.0 | 205.00 |
| | | | | NEMA 284-6TSC (3) | 120 | 160 | 89.0 | 87.0 | 205.00 |
| K10-TS | 1093 | 906 | 15 | NEMA 213-5TC | 41 | 64 | 87.8 | 85.8 | 209.40 |
| | | | | NEMA 254-6TC (3) | 41 | 64 | 87.8 | 85.8 | 216.10 |
| | | | 20 | NEMA 254-6TC (3) | 65 | 90 | 88.1 | 86.1 | 216.10 |
| | | | | NEMA 284-6TSC (3) | 80 | 110 | 88.4 | 86.4 | 211.60 |
| | | | | NEMA 284-6TSC (3) | 100 | 140 | 88.7 | 86.7 | 211.60 |
| K11-TS | 1254 | 1039 | 30 | NEMA 284-6TSC (3) | 120 | 160 | 89.0 | 87.0 | 227.10 |
| | | | | NEMA 324-6TSC (3) | 150 | 160 | 91.0 | 87.0 | 220.50 |
| | | | 25 | NEMA 284-6TSC | 50 | 88 | 89.4 | 87.4 | 251.30 |
| | | | | NEMA 284-6TSC | 70 | 110 | 90.0 | 88.0 | 251.30 |
| | | | | NEMA 324-6TSC (3) | 100 | 155 | 90.6 | 88.6 | 269.00 |
| K12-TS | 1410 | 1168 | 30 | NEMA 324-6TSC (3) | 140 | 155 | 91.2 | 88.6 | 269.00 |
| | | | | NEMA 324-6TSC (3) | 140 | 155 | 91.2 | 88.6 | 269.00 |
| | | | 40 | NEMA 284-6TSC | 45 | 80 | 90.6 | 88.6 | 249.10 |
| | | | | NEMA 324-6TSC (3) | 70 | 120 | 91.2 | 89.2 | 266.80 |
| | | | | NEMA 324-6TSC (3) | 110 | 150 | 91.8 | 89.8 | 266.80 |

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

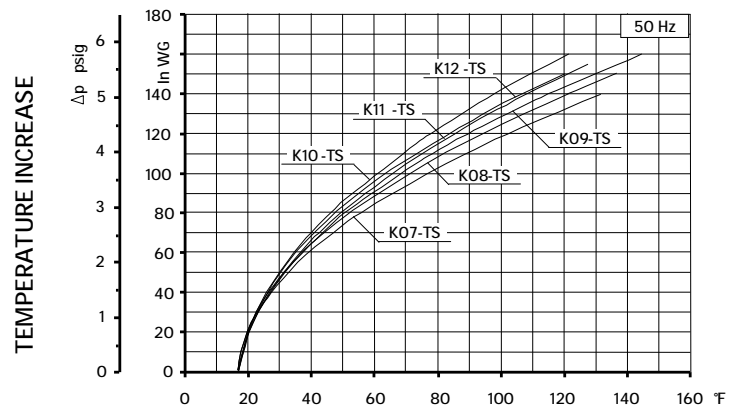
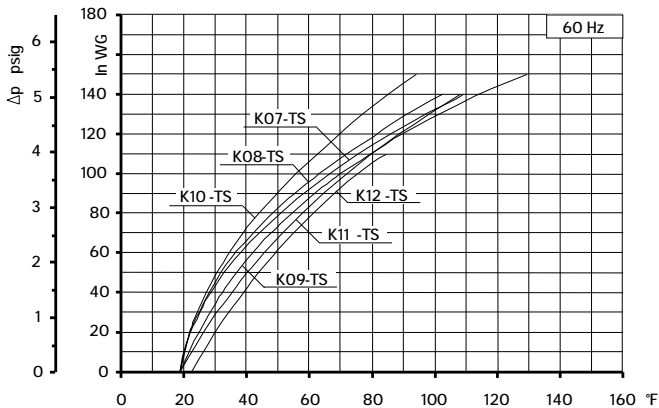
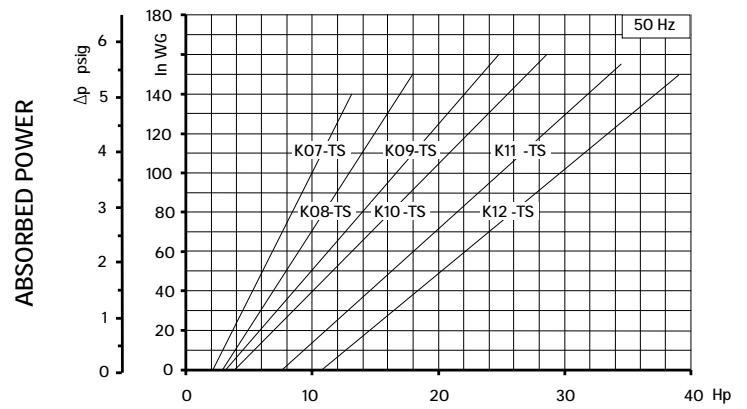
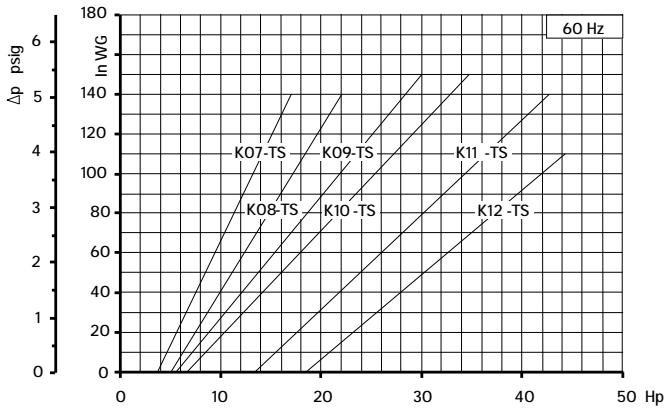
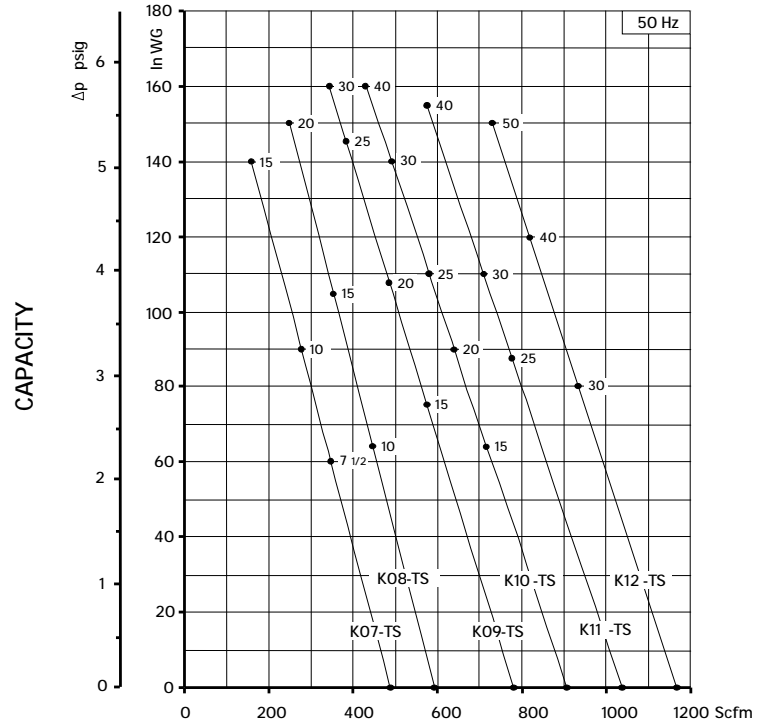
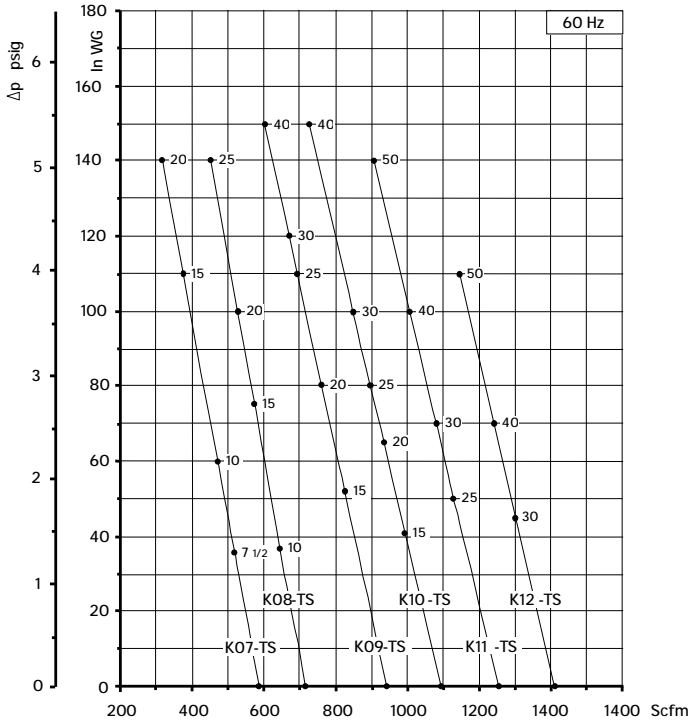
(2) Value is referred to weight of the machine without electric motor

(3) Not applicable on SCL Kxx - GVR

- Ambient temperature from +5° to +104F.

- Specifications subject to change without notice.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

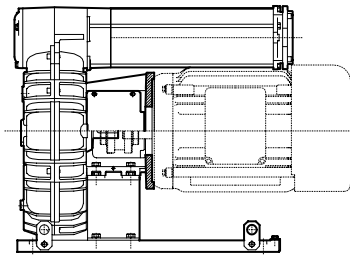
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

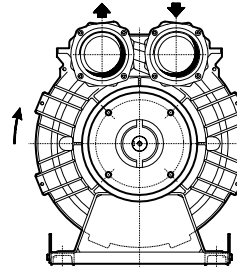
ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

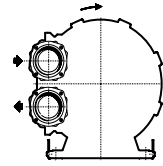
For dimensions, please refer to drw:

GOR range: SI 1918
GVR range: SI 1919
GOR Range


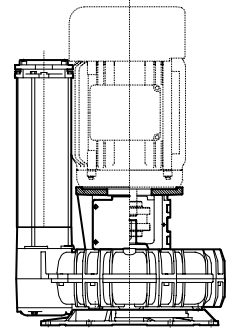
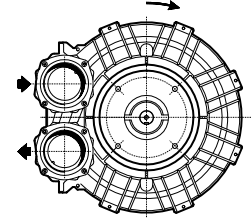
SCL Kxx-MD GOR-C



SCL Kxx-MD GOR-B



SCL Kxx-MD GOR-A

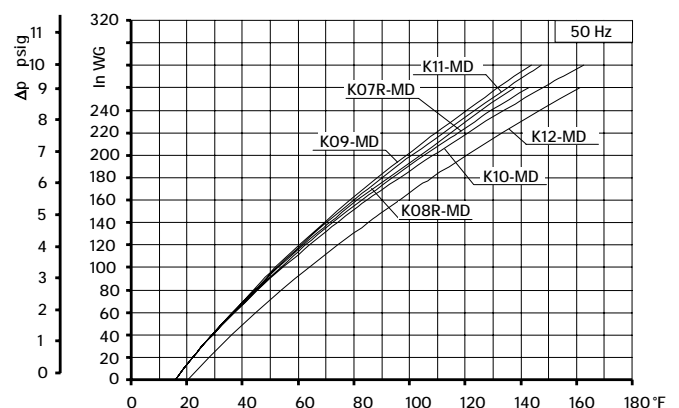
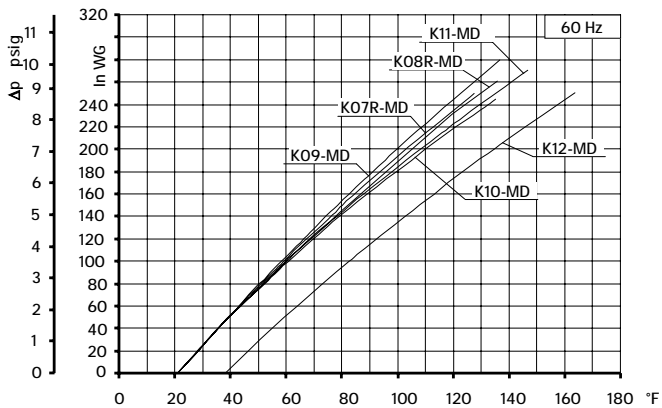
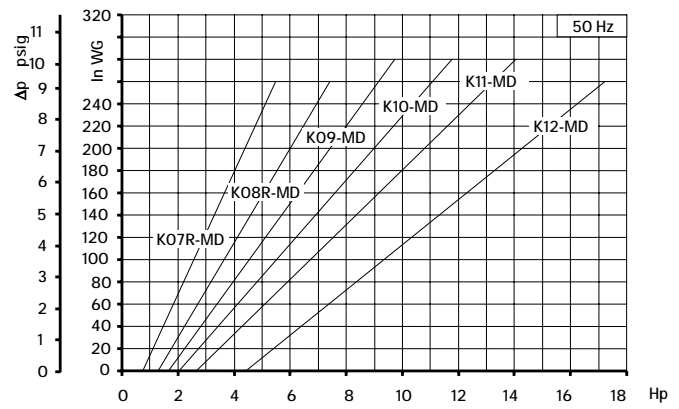
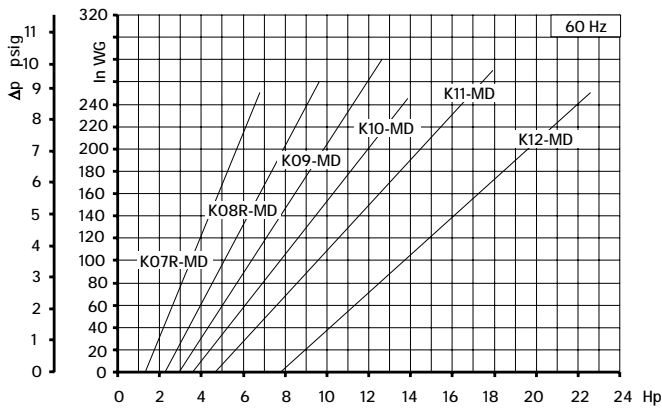
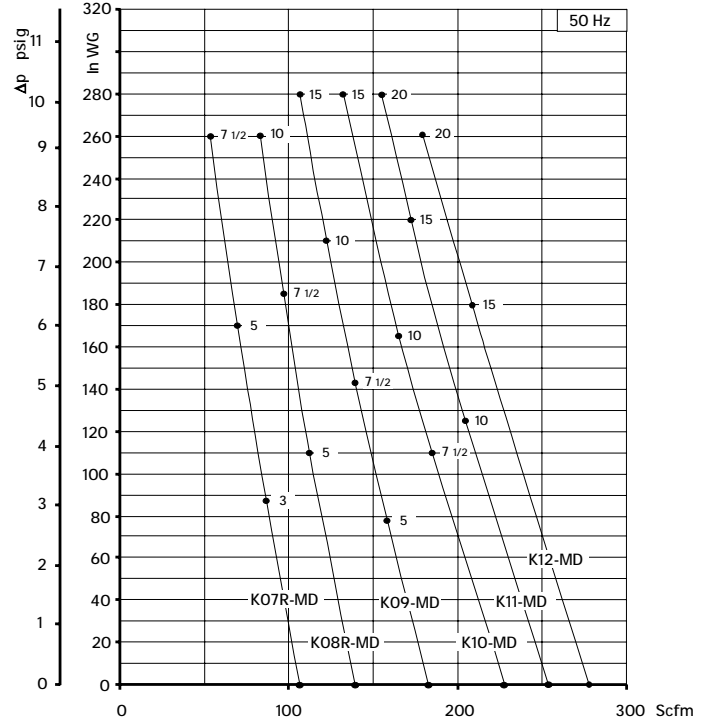
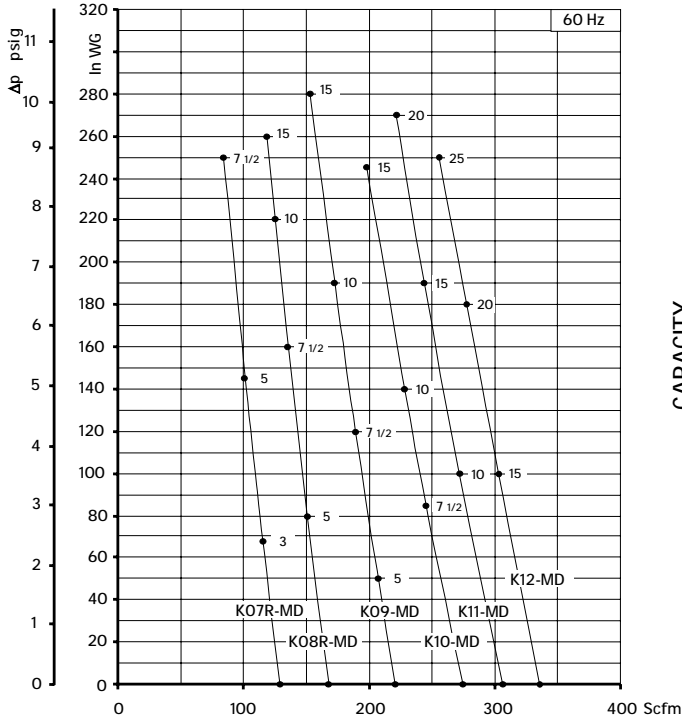
GVR Range


| Model | Maximum flow Scfm | | Installed power Hp | Size | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Weight ⁽²⁾ Lbs |
|---------|-------------------|-------------------|--------------------|------------------------------|--|-------------------|--------------------------------------|-------------------|------------------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| K07R-MD | 129 | 107 | 3 | NEMA 56C | 68 | 87 | 73.5 | 71.5 | 112.00 |
| | | | | NEMA 143-5TC | | | | | 112.00 |
| | | | 5 | NEMA 182-4TC | 145 | 170 | 74.5 | 72.5 | 113.80 |
| | | | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 250 | 260 | 75.0 | 73.0 | 113.80 113.80 |
| K08R-MD | 168 | 139 | 5 | NEMA 182-4TC | 80 | 110 | 76.2 | 74.2 | 130.30 |
| | | | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 160 | 185 | 76.6 | 74.6 | 130.30 130.30 |
| | | | 10 | NEMA 213-5TC | 220 | 250 | 77.0 | 75.0 | 130.30 |
| | | | 15 | NEMA 213-5TC | 260 | - | 77.4 | - | 130.30 |
| K09-MD | 221 | 183 | 5 | NEMA 182-4TC | 50 | 78 | 76.9 | 74.9 | 138.50 |
| | | | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 120 | 143 | 78.0 | 76.0 | 138.50 138.50 |
| | | | 10 | NEMA 213-5TC | 190 | 210 | 79.5 | 77.5 | 138.50 |
| | | | 15 | NEMA 213-5TC | 280 | 280 | 80.5 | 78.5 | 138.50 |
| K10-MD | 275 | 228 | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 85 | 110 | 79.9 | 77.9 | 125.40 152.40 |
| | | | 10 | NEMA 213-5TC | 140 | 165 | 80.3 | 78.3 | 152.40 |
| | | | 15 | NEMA 213-5TC | 245 | 280 | 81.4 | 79.4 | 152.40 |
| K11-MD | 306 | 254 | 10 | NEMA 213-5TC | 100 | 125 | 81.1 | 79.1 | 175.70 |
| | | | 15 | NEMA 213-5TC NEMA 254-6TC | 190 | 220 | 81.4 | 79.4 | 175.70 182.10 |
| | | | 20 | NEMA 254-6TC | 270 | 280 | 81.7 | 79.7 | 182.10 |
| K12-MD | 336 | 278 | 15 | NEMA 213-5TC NEMA 254-6TC | 100 | 180 | 82.3 | 80.3 | 183.40 189.80 |
| | | | 20 | NEMA 254-6TC | 180 | 260 | 82.6 | 80.6 | 189.80 |
| | | | 25 | NEMA 284-6TSC | 250 | - | 82.9 | - | 183.40 |

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

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

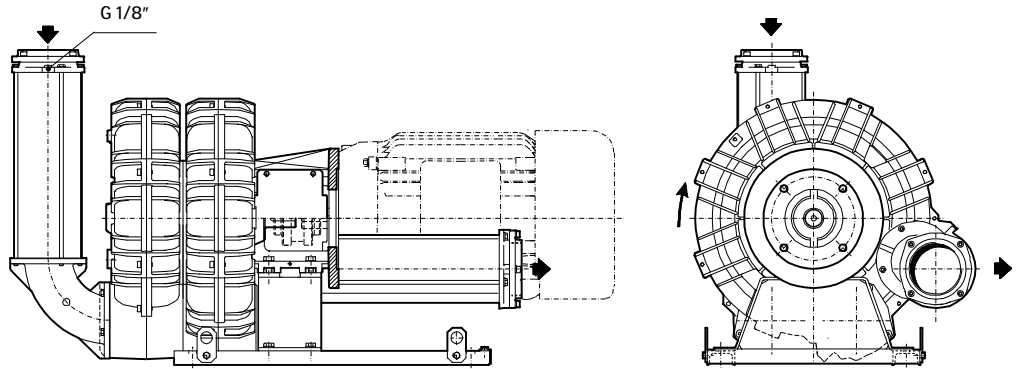
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



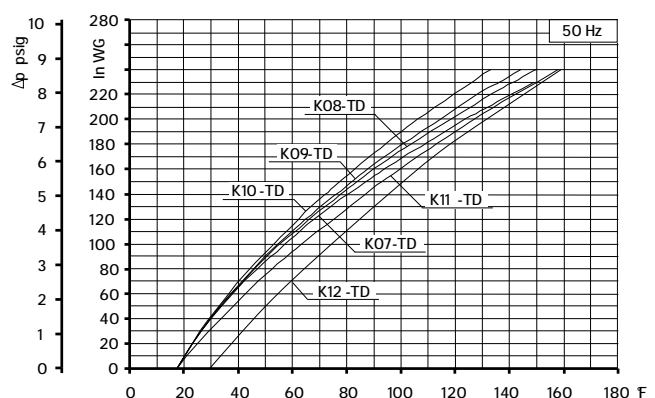
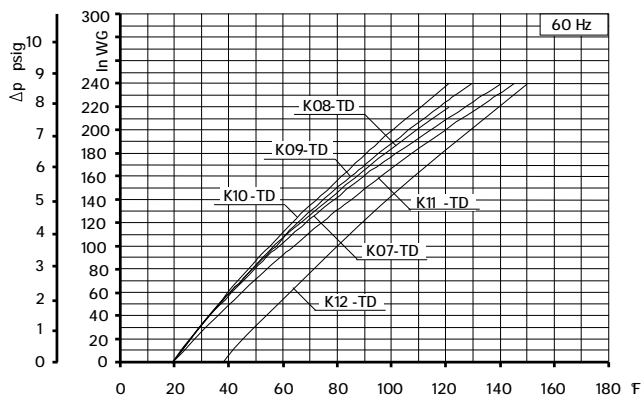
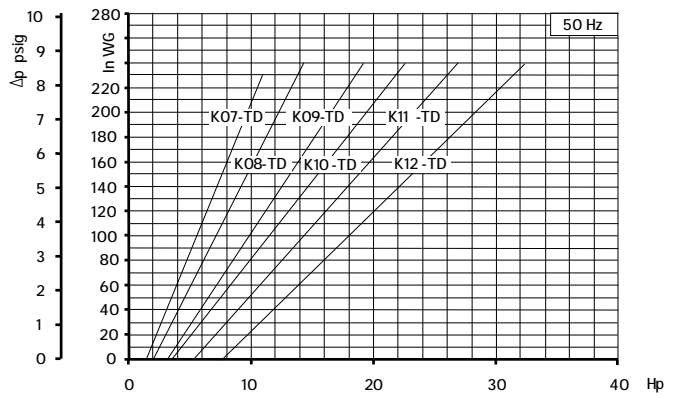
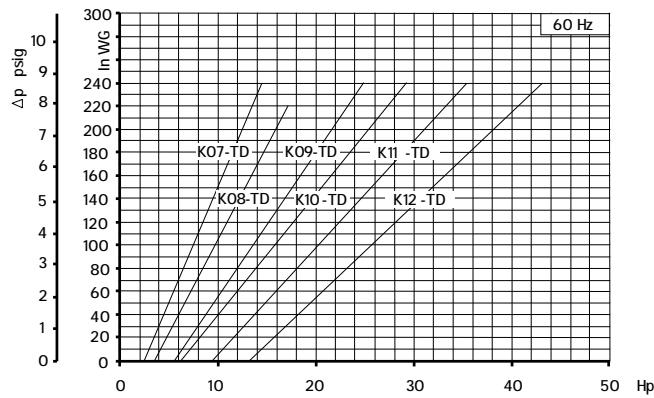
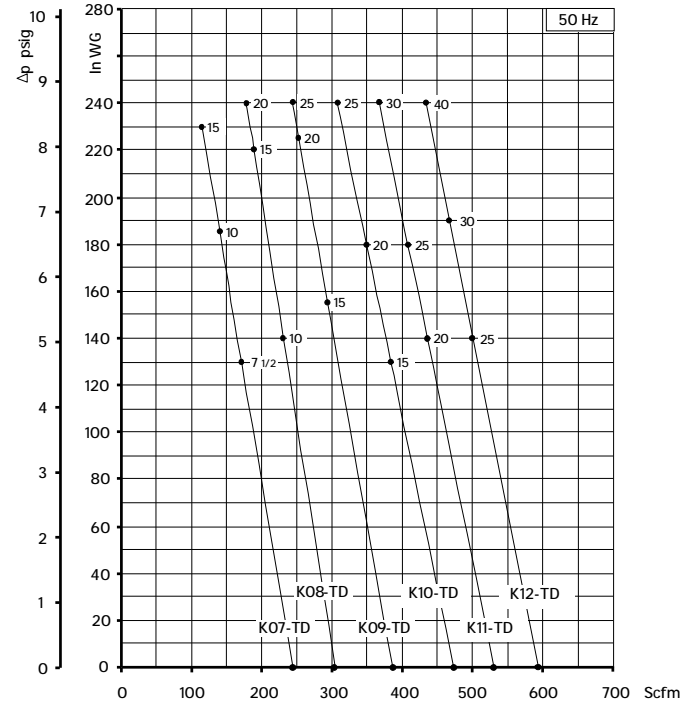
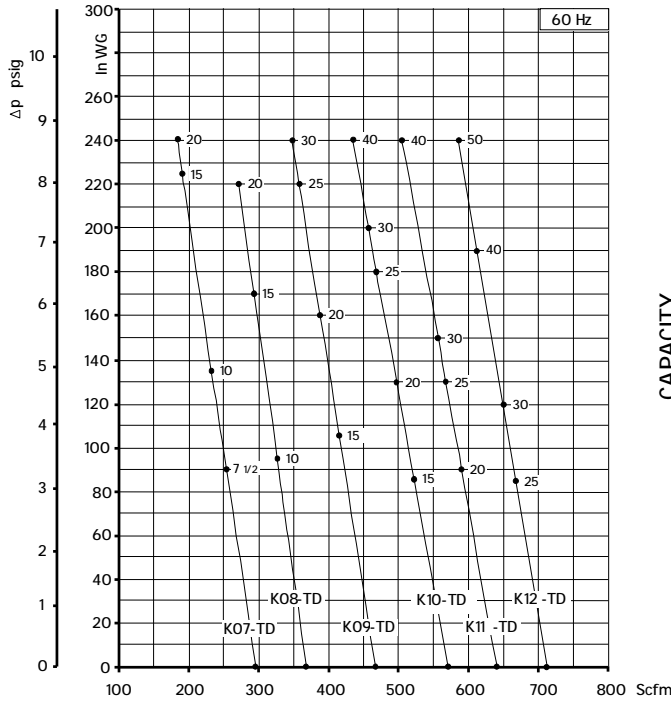
For dimensions, please refer to drw: SI1971

| Model | Maximum flow Scfm | | Installed power Hp | Size | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) ⁽¹⁾ | | Weight ⁽²⁾ Lbs | |
|--------|-------------------|-------------------|--------------------|---------------|--|-------------------|--------------------------------------|-------------------|------------------------------|--------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K07-TD | 296 | 245 | 7 1/2 | NEMA 182-4TC | 90 | 130 | 80.9 | 78.9 | 156.50 | |
| | | | | NEMA 213-5TC | | | | | | |
| | | | 10 | NEMA 213-5TC | 135 | 185 | 81.2 | 79.2 | | 156.50 |
| | | | 15 | NEMA 213-5TC | 225 | 230 | 81.8 | 79.8 | | 160.90 |
| 20 | NEMA 254-6TC | 240 | 82.1 | 160.90 | | | | | | |
| K08-TD | 368 | 305 | 10 | NEMA 213 -5TC | 95 | 140 | 80.4 | 78.4 | 169.80 | |
| | | | 15 | NEMA 213-5TC | 170 | 220 | 81.5 | 79.5 | 169.00 | |
| | | | 20 | NEMA 254-6TC | | | | | 220 | 240 |
| K09-TD | 467 | 387 | 15 | NEMA 213-5TC | 105 | 155 | 82.7 | 80.7 | 196.20 | |
| | | | | NEMA 254-6TC | | | | | 201.70 | |
| | | | 20 | NEMA 254-6TC | 160 | 225 | 83.0 | 81.0 | 201.70 | |
| | | | 25 | NEMA 284-6TSC | 220 | 240 | 83.3 | 81.3 | 198.40 | |
| 30 | NEMA 284-6TSC | 240 | 83.6 | 81.6 | | | | | 198.40 | |
| K10-TD | 571 | 473 | 15 | NEMA 213-5TC | 85 | 130 | 86.6 | 84.6 | 202.80 | |
| | | | | NEMA 254-6TC | | | | | 209.50 | |
| | | | 20 | NEMA 254-6TC | 130 | 180 | 86.9 | 84.9 | 209.50 | |
| | | | 25 | NEMA 284-6TSC | 180 | 240 | 87.2 | 85.2 | 205.00 | |
| | | | 30 | NEMA 284-6TSC | 200 | | | | 87.5 | 205.00 |
| 40 | NEMA 324-6TSC | 240 | 87.8 | 220.50 | | | | | | |
| K11-TD | 642 | 532 | 20 | NEMA 254-6TC | 90 | 140 | 87.4 | 85.4 | 246.80 | |
| | | | 25 | NEMA 284-6TSC | 130 | 180 | 87.9 | 85.9 | 244.70 | |
| | | | 30 | NEMA 284-6TSC | 150 | 240 | 88.4 | 86.4 | 244.70 | |
| | | | 40 | NEMA 324-6TSC | 240 | | | | 88.9 | 264.50 |
| K12-TD | 716 | 593 | 25 | NEMA 284-6TSC | 85 | 140 | 88.2 | 86.2 | 242.5 | |
| | | | 30 | NEMA 284-6TSC | 120 | 190 | 88.7 | 86.7 | 242.5 | |
| | | | 40 | NEMA 324-6TSC | 190 | 240 | 89,2 | 87.2 | 262.3 | |
| | | | 50 | NEMA 324-6TSC | 240 | - | 89.5 | - | 262.3 | |

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

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5°to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
 Values for flow, power consumption and temperature rise +/-10% tolerance.
 Data subject to change without notice.

**TECHNICAL
CHARACTERISTICS**

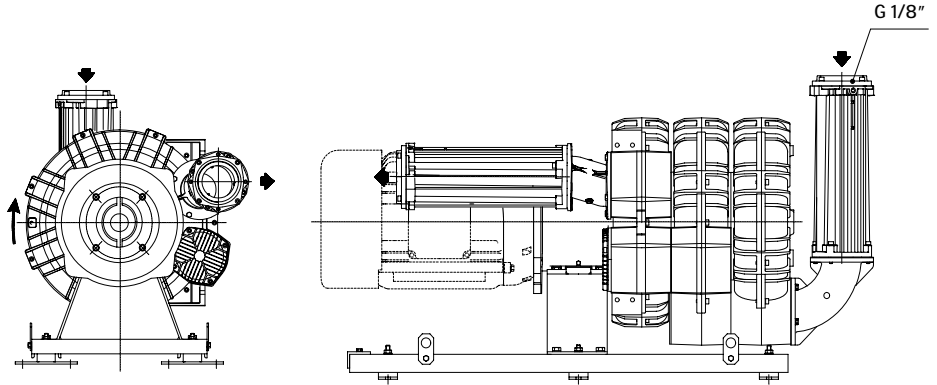
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Optional connectors

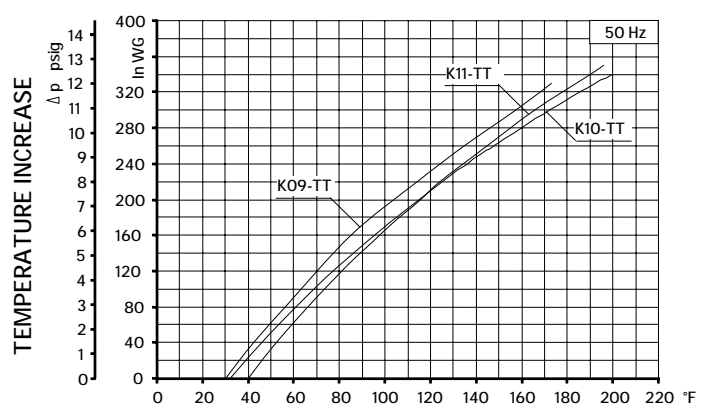
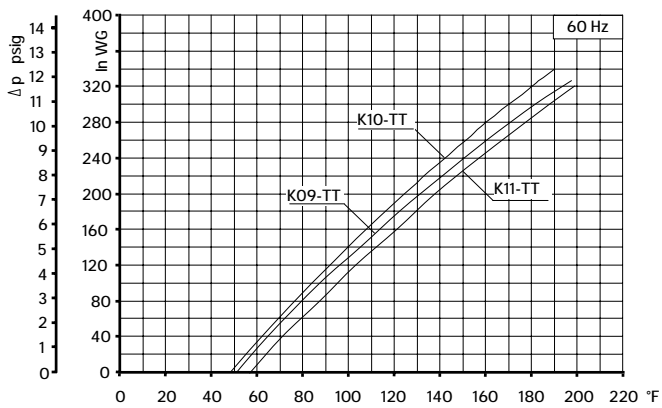
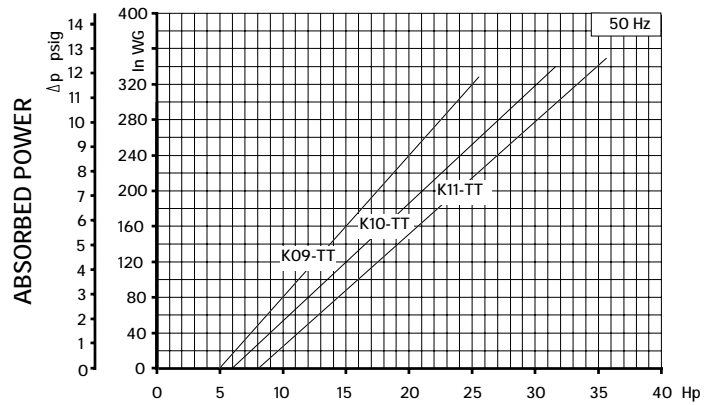
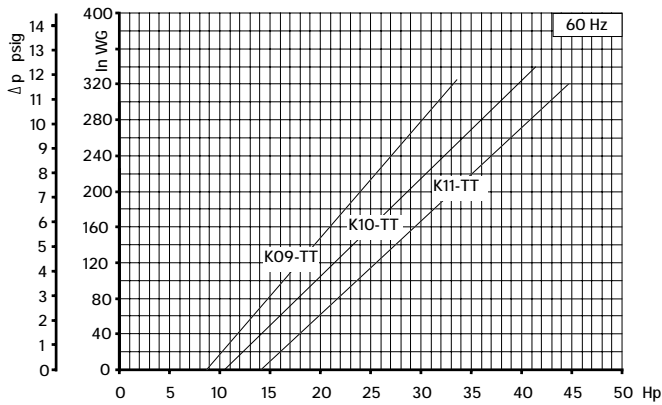
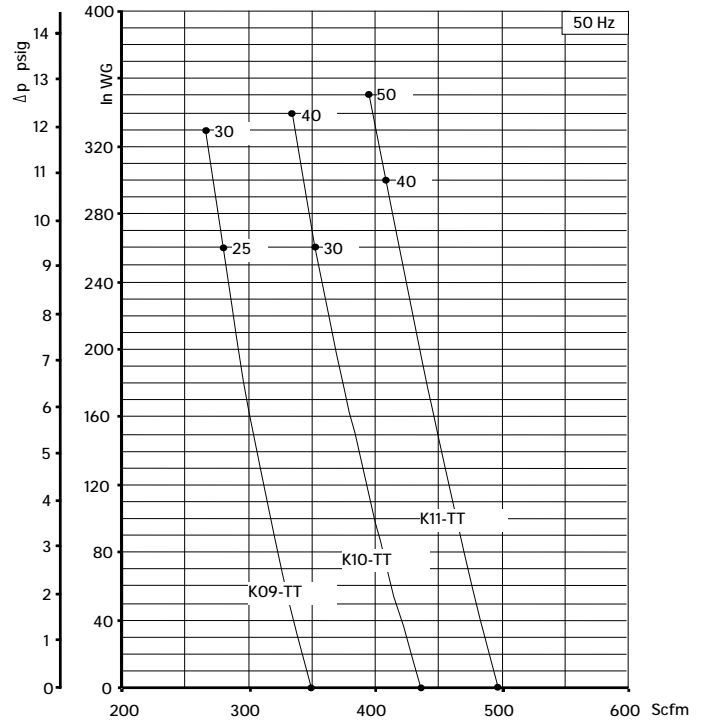
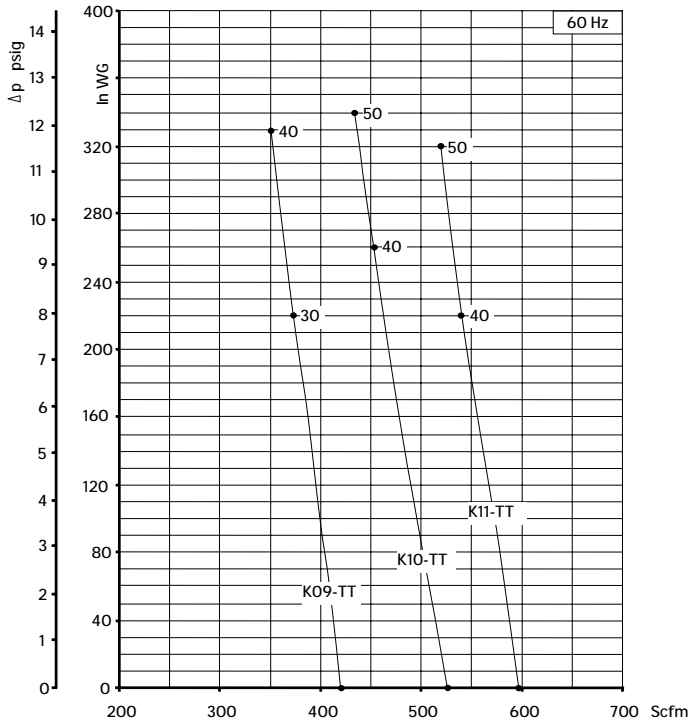


| Model | Maximum flow Scfm | | Installed power Hp | Size | Maximum differential pressure Δp (In WG) | | Noise level Lp dB (A) (1) | | Weight (2) Lbs |
|--------|----------------------|-------------------|-----------------------|---------------|---|-------------------|---------------------------------|-------------------|----------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| K09-TT | 423 | 351 | 25 | NEMA 284-6TSC | - | 260 | - | 85.9 | 354 |
| | | | 30 | | 220 | 330 | 88.2 | 86.2 | |
| | | | 40 | NEMA 324-6TSC | 330 | - | 88.5 | - | |
| K10-TT | 526 | 436 | 30 | NEMA 284-6TSC | - | 260 | - | 86.5 | 365 |
| | | | 40 | NEMA 324-6TSC | 260 | 340 | 88.8 | 86.8 | 380 |
| | | | 50 | | 340 | - | 89.1 | - | |
| K11-TT | 597 | 495 | 40 | NEMA 324-6TSC | 220 | 300 | 89.1 | 87.1 | 434 |
| | | | 50 | | 320 | 350 | 89.5 | 87.5 | |

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

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



- Curves refer to air at 68°F temperature and 29.92 In Hg atmospheric pressure (abs) measured at inlet port.
- Values for flow, power consumption and temperature rise: +/-10% tolerance.
- Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

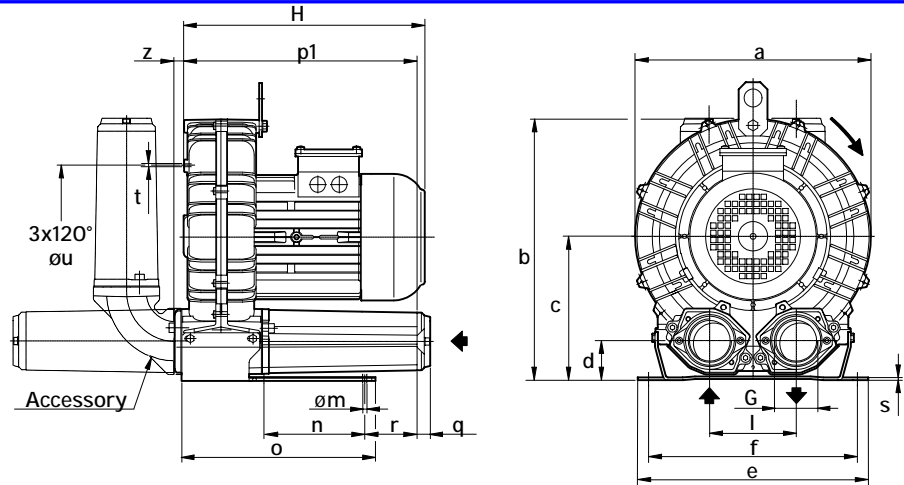
- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

Dimensions in inches.

Dimension for reference only.



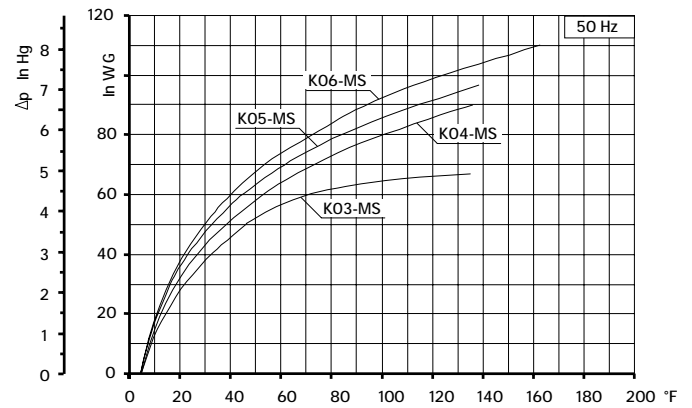
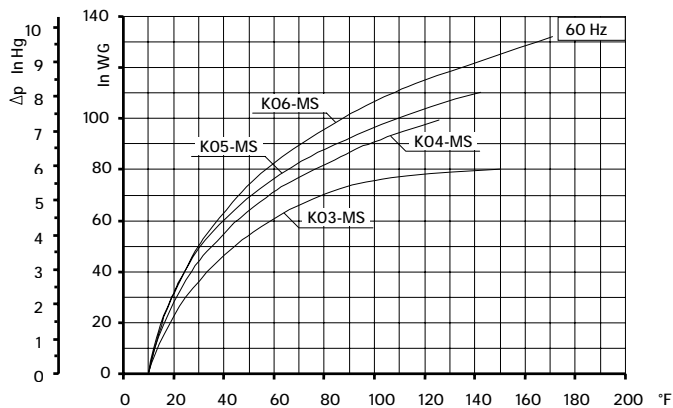
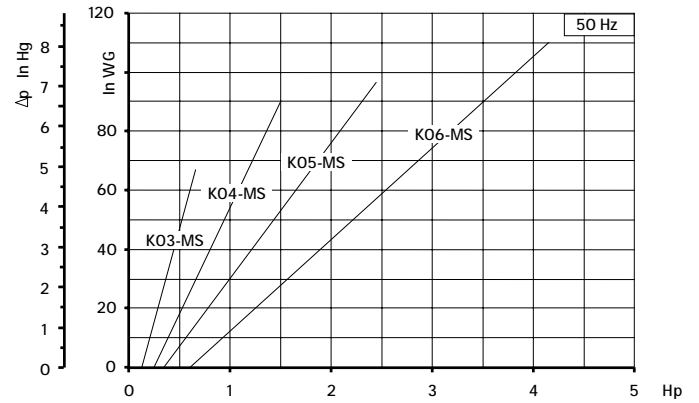
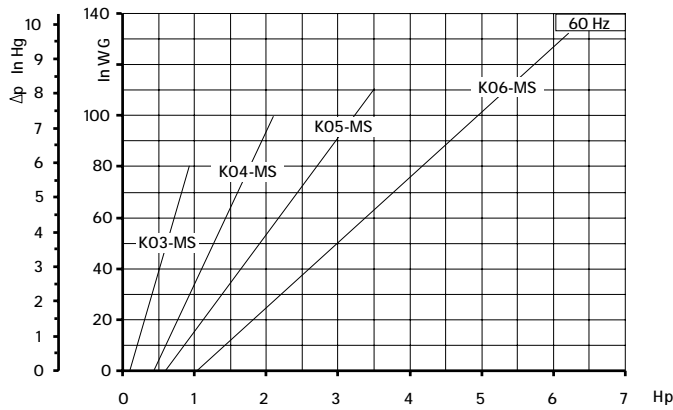
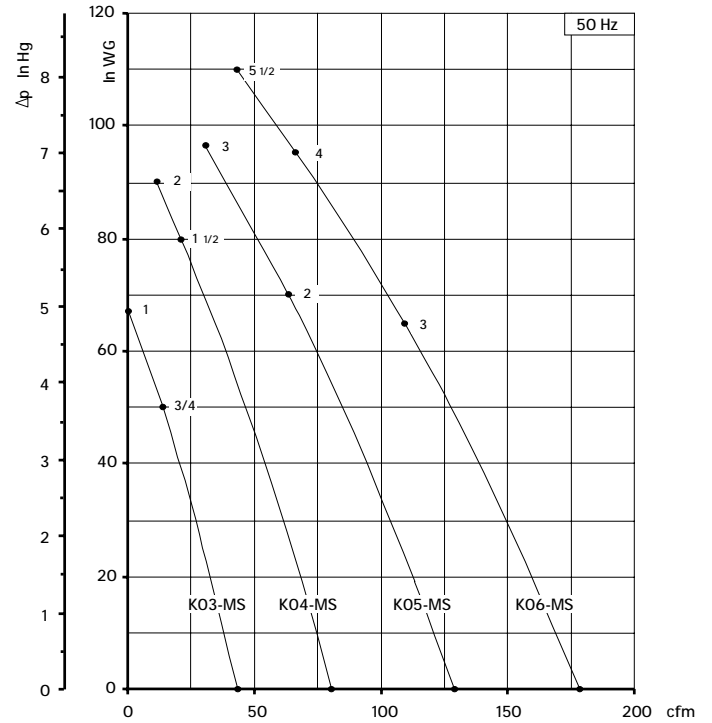
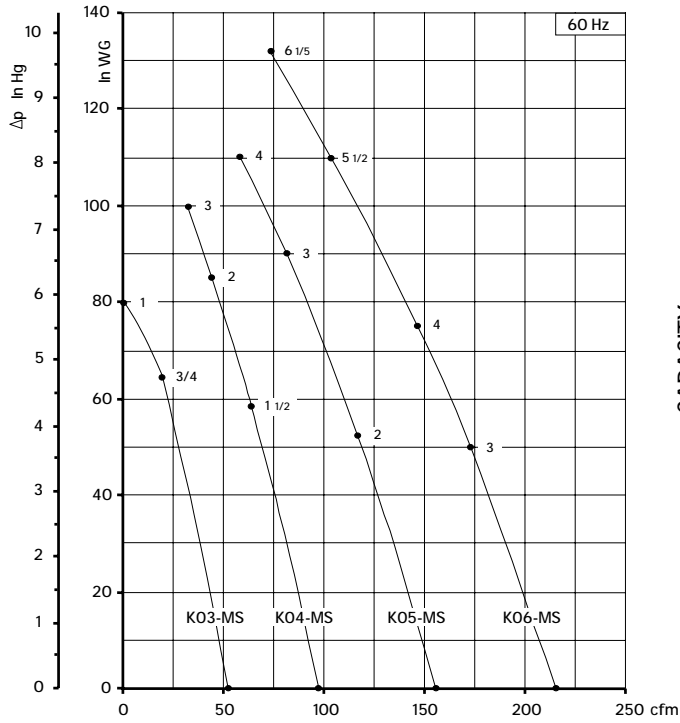
| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|------|------|-------|-------|----------|------|------|------|-------|-------|------|------|------|----|------|------|
| K03-MS | 9.49 | 10.55 | 5.79 | 1.69 | 9.06 | 8.07 | 1" ¼ NPT | 3.39 | 0.39 | 3.27 | 5.59 | 8.07 | 0.71 | 2.95 | 0.16 | M6 | 5.51 | 0.47 |
| K04-MS | 11.22 | 12.40 | 6.77 | 1.93 | 10.04 | 8.86 | 1"½ NPT | 4.02 | 0.47 | 3.74 | 6.73 | 8.74 | 0.71 | 2.76 | 0.16 | M6 | 6.89 | 0.71 |
| K05-MS | 12.87 | 14.37 | 7.87 | 2.13 | 12.60 | 10.24 | 2" NPT | 4.72 | 0.59 | 4.53 | 10.43 | 12.60 | 0.71 | 3.86 | 0.16 | M8 | 7.87 | 0.75 |
| K06-MS | 14.80 | 15.47 | 8.07 | 2.13 | 12.80 | 11.42 | 2" NPT | 4.92 | 0.59 | 5.51 | 10.71 | 13.15 | 0.71 | 3.35 | 0.16 | M8 | 9.45 | 0.75 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K03-MS | 52 | 43 | 3/4 | 3/4 | 4.7 | 3.7 | 61.0 | 59.0 | 10.43 | 24.30 |
| | | | 1 | 1 | 5.9 | 4.9 | 61.3 | 59.3 | 11.97 | 26.50 |
| K04-MS | 98 | 81 | 1 ½ | 1 ½ | 4.3 | 5.9 | 63.8 | 61.8 | 11.65 | 36.40 |
| | | | 2 | 2 | 6.3 | 6.6 | 64.0 | 62.0 | 13.78 | 43.00 |
| | | | 3 | - | 7.4 | - | 64.2 | - | 13.78 | 49.60 |
| K05-MS | 156 | 129 | 2 | 2 | 3.8 | 5.1 | 69.5 | 67.5 | 13.20 | 51.80 |
| | | | 3 | 3 | 6.6 | 7.1 | 69.8 | 67.8 | 13.20 | 58.40 |
| | | | 4 | - | 8.1 | - | 70.1 | - | 14.40 | 67.20 |
| K06-MS | 216 | 179 | 3 | 3 | 3.7 | 4.8 | 72.0 | 70.0 | 13.54 | 68.70 |
| | | | 4 | 4 | 5.5 | 7.0 | 72.3 | 70.3 | 14.17 | 71.65 |
| | | | 5 ½ | 5 ½ | 8.1 | 8.1 | 72.6 | 70.6 | 14.17 | 77.60 |
| | | | 6 1/5 ⁽²⁾ | - | 9.6 | - | 72.9 | - | 14.45 | 77.60 |

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

(2) No cURus motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

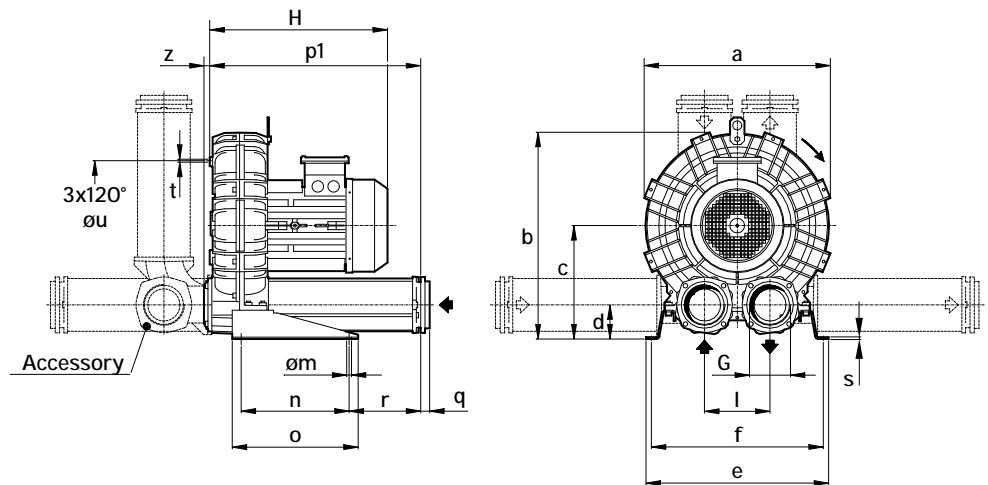
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



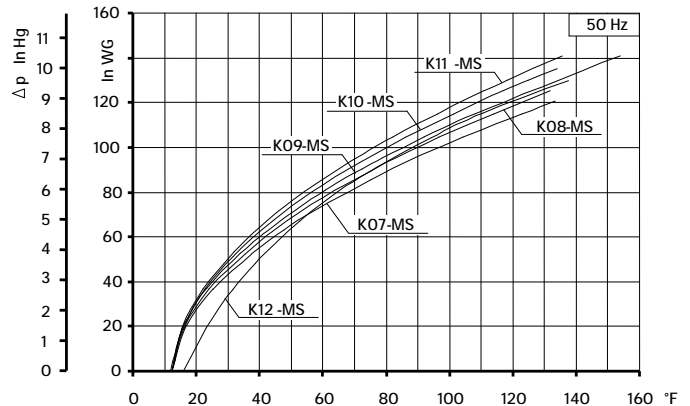
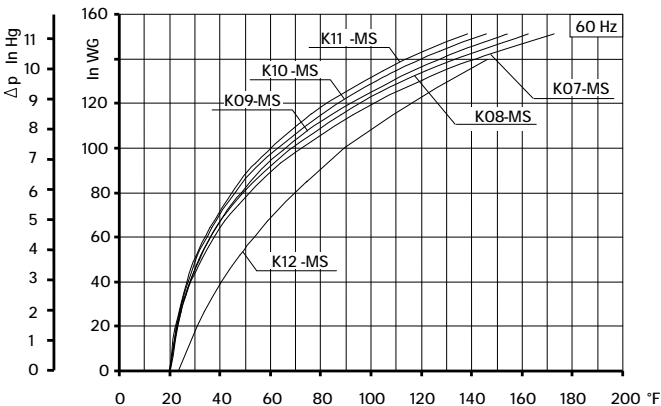
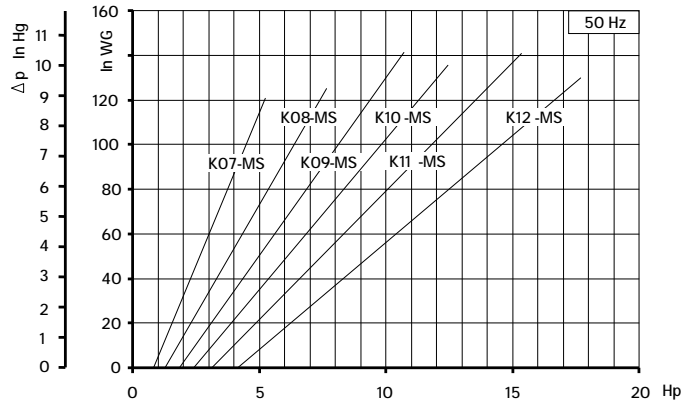
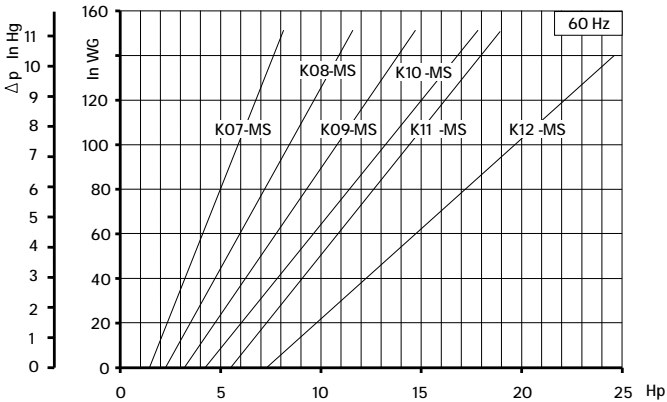
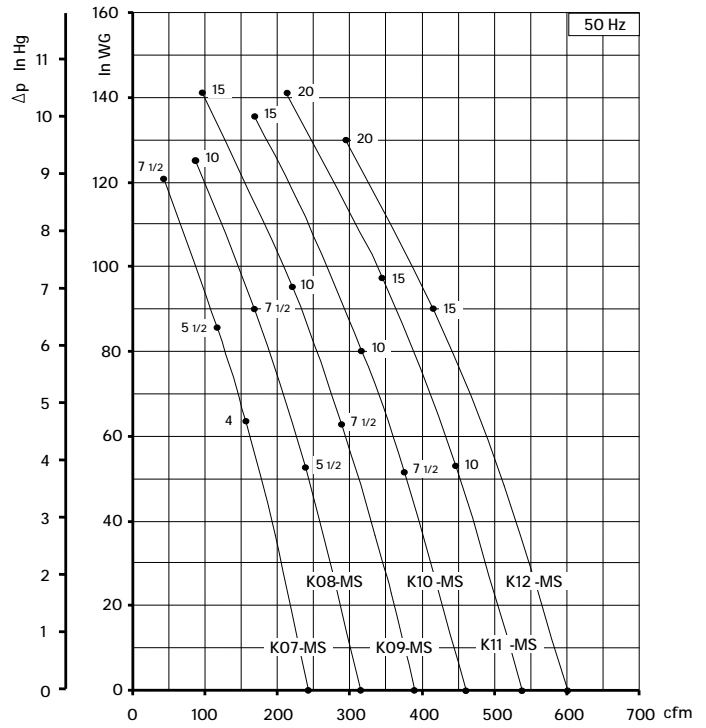
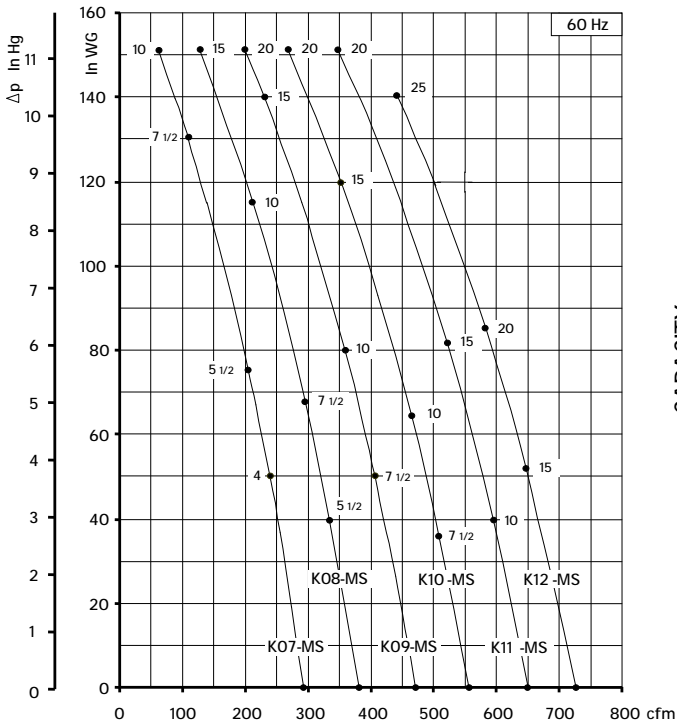
Dimensions in inches.
 Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|-------|------|-------|-------|--------|------|------|-------|-------|-------|------|------|------|----|-------|------|
| K07-MS | 16.69 | 18.84 | 10.59 | 3.23 | 18.43 | 17.24 | 3" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 20.16 | 0.98 | 5.39 | 0.20 | M8 | 11.61 | 0.63 |
| K08-MS | 17.99 | 19.61 | 10.59 | 3.23 | 18.82 | 17.64 | 3" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 20.16 | 0.98 | 5.39 | 0.20 | M8 | 12.2 | 0.63 |
| K09-MS | 19.37 | 22.09 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 23.07 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 0.63 |
| K10-MS | 20.31 | 22.56 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 23.07 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 0.63 |
| K11-MS | 21.34 | 23.74 | 13.07 | 3.58 | 21.26 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 23.46 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 0.63 |
| K12-MS | 21.57 | 23.82 | 13.07 | 3.58 | 21.26 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 23.58 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 0.51 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Dp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K07-MS | 294 | 243 | 4 | 4 | 3.7 | 4.6 | 77.7 | 75.7 | 15.45 | 103.00 |
| | | | 5 ½ | 5 ½ | 5.6 | 6.3 | 78.0 | 76.0 | 15.45 | 107.10 |
| | | | 7 ½ | 7 ½ | 9.6 | 8.9 | 78.3 | 76.3 | 18.37 | 145.70 |
| | | | 10 | - | 11.1 | - | 78.6 | - | 18.37 | 154.50 |
| K08-MS | 381 | 316 | 5 ½ | 5 ½ | 2.9 | 3.8 | 78.8 | 76.8 | 15.45 | 115.70 |
| | | | 7 ½ | 7 ½ | 5.0 | 6.6 | 79.1 | 77.1 | 18.37 | 154.30 |
| | | | 10 | 10 | 8.5 | 9.2 | 79.4 | 77.4 | 18.37 | 163.10 |
| | | | 15 | - | 11.1 | - | 79.7 | - | 19.15 | 184.00 |
| K09-MS | 471 | 390 | 7 ½ | 7 ½ | 3.7 | 4.6 | 79.3 | 77.3 | 18.84 | 166.50 |
| | | | 10 | 10 | 5.9 | 7.0 | 79.6 | 77.6 | 18.84 | 175.10 |
| | | | 15 | 15 | 10.3 | 10.4 | 80.1 | 78.1 | 19.63 | 196.20 |
| | | | 20 | - | 11.1 | - | 80.4 | - | 23.74 | 269.00 |
| K10-MS | 556 | 460 | 7 ½ | 7 ½ | 2.7 | 3.8 | 79.4 | 77.4 | 18.84 | 170.90 |
| | | | 10 | 10 | 4.7 | 5.9 | 79.7 | 77.7 | 18.84 | 179.50 |
| | | | 15 | 15 | 8.8 | 9.9 | 80.2 | 78.2 | 19.63 | 200.60 |
| | | | 20 | - | 11.1 | - | 80.5 | - | 23.74 | 273.40 |
| K11-MS | 650 | 539 | 10 | 10 | 2.9 | 3.9 | 82.0 | 80.0 | 19.04 | 194.90 |
| | | | 15 | 15 | 6.0 | 7.1 | 82.5 | 80.5 | 19.83 | 216.00 |
| | | | 20 | 20 | 11.1 | 10.4 | 83.0 | 81.0 | 23.94 | 288.80 |
| K12-MS | 726 | 602 | 15 | 15 | 3.8 | 6.6 | 83.5 | 81.5 | 19.95 | 223.70 |
| | | | 20 | 20 | 6.3 | 9.6 | 84.3 | 82.3 | 24.06 | 296.50 |
| | | | 25 | - | 10.3 | - | 87.2 | - | 24.92 | 320.80 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

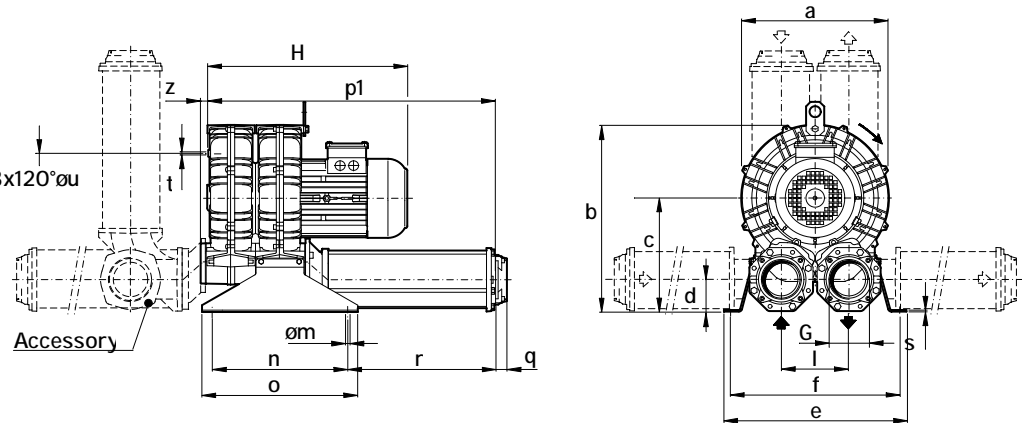
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor 3x120°øu

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches.

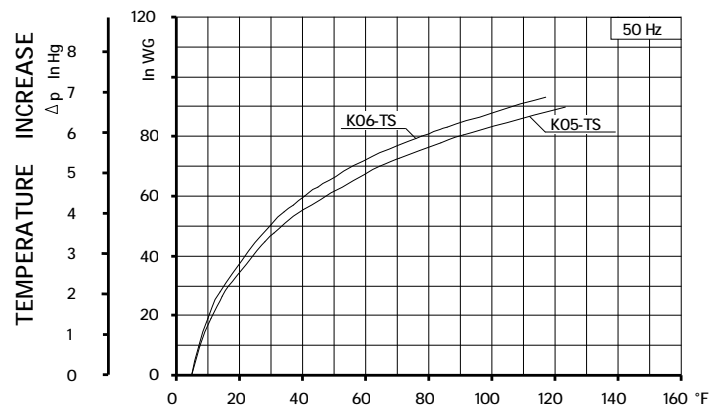
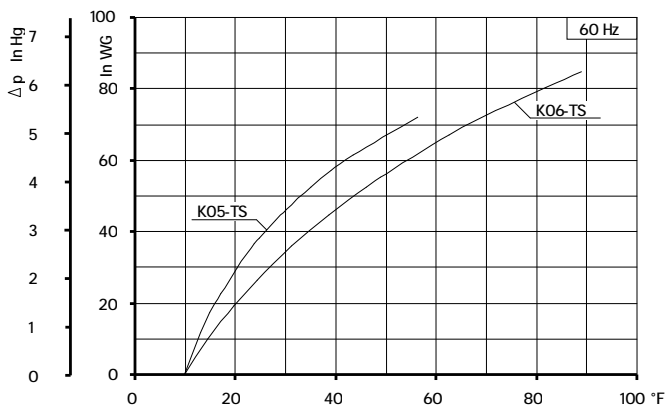
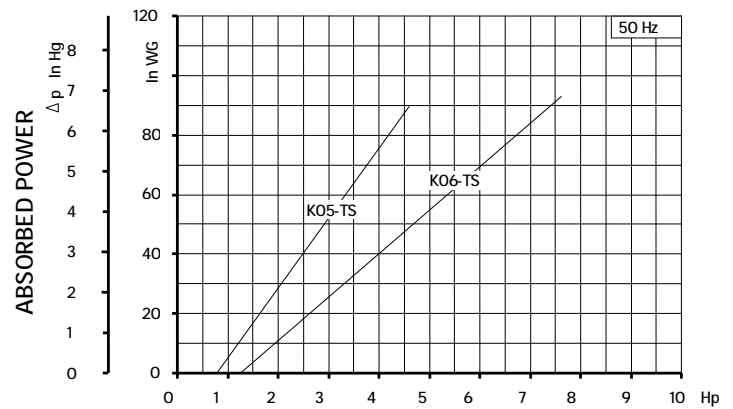
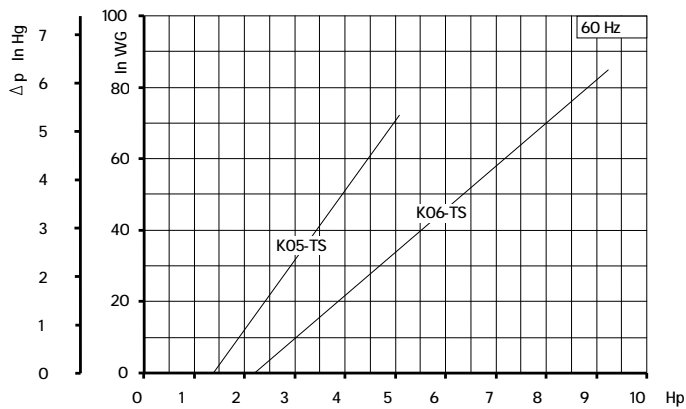
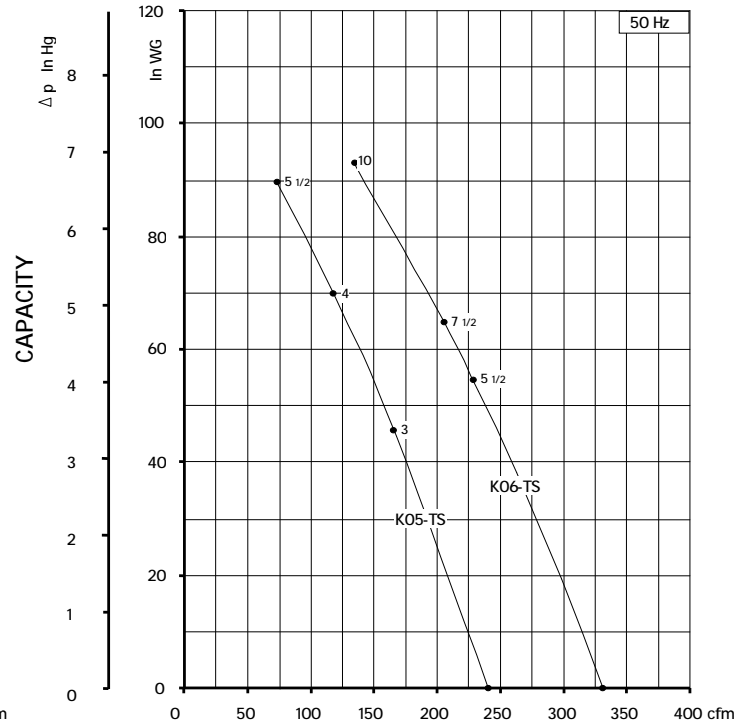
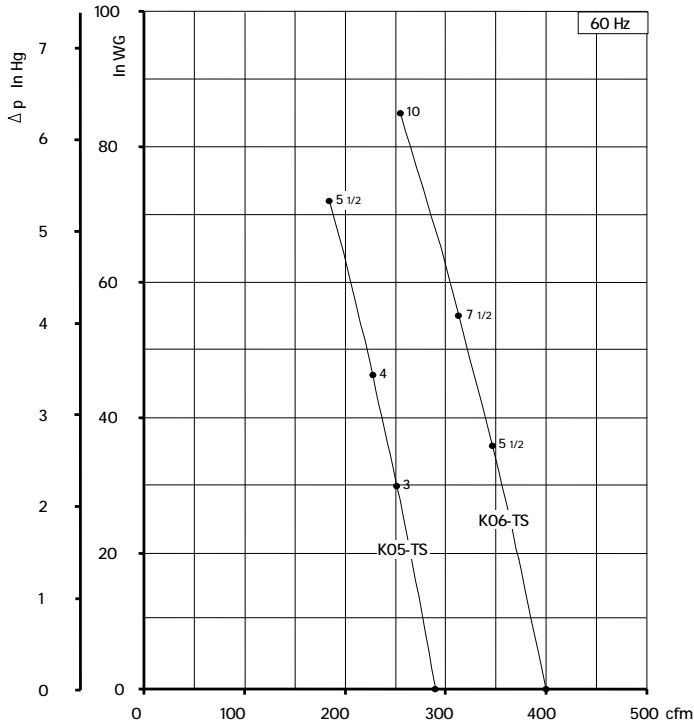
Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|-------|------|-------|-------|--------|------|------|-------|-------|-------|------|-------|------|----|------|------|
| K05-TS | 12.87 | 16.61 | 10.16 | 3.03 | 15.91 | 14.72 | 3" NPT | 5.91 | 0.51 | 11.81 | 13.58 | 24.96 | 0.98 | 12.91 | 0.16 | M8 | 7.87 | 0.75 |
| K06-TS | 14.80 | 17.72 | 10.31 | 2.95 | 15.91 | 14.72 | 3" NPT | 6.10 | 0.51 | 11.81 | 13.58 | 26.06 | 0.98 | 13.19 | 0.16 | M8 | 9.45 | 0.75 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K05-TS | 290 | 241 | 3 | 3 | 2.2 | 3.3 | 71.6 | 69.6 | 17.45 | 85.98 |
| | | | 4 | 4 | 3.4 | 5.1 | 73.1 | 71.1 | 18.64 | 89.29 |
| | | | 5 1/2 | 5 1/2 | 5.3 | 6.6 | 75.1 | 73.1 | 18.64 | 93.70 |
| K06-TS | 400 | 331 | 5 1/2 | 5 1/2 | 2.7 | 4.0 | 76.8 | 74.8 | 18.98 | 104.72 |
| | | | 7 1/2 | 7 1/2 | 4.0 | 4.8 | 77.1 | 75.1 | 22.60 | 141.09 |
| | | | 10 | 10 | 6.3 | 6.8 | 77.4 | 75.4 | 22.60 | 149.91 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/- 10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

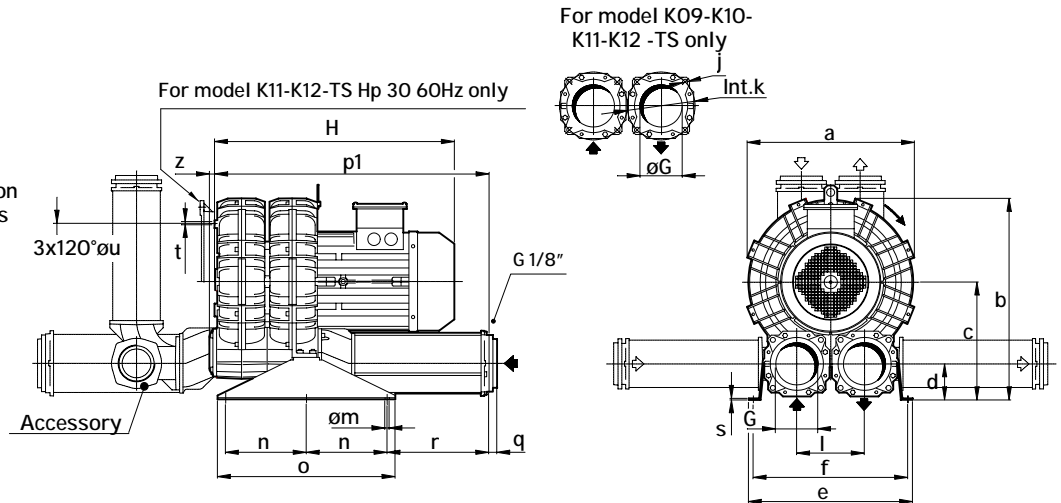
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches.

Dimension for reference only.

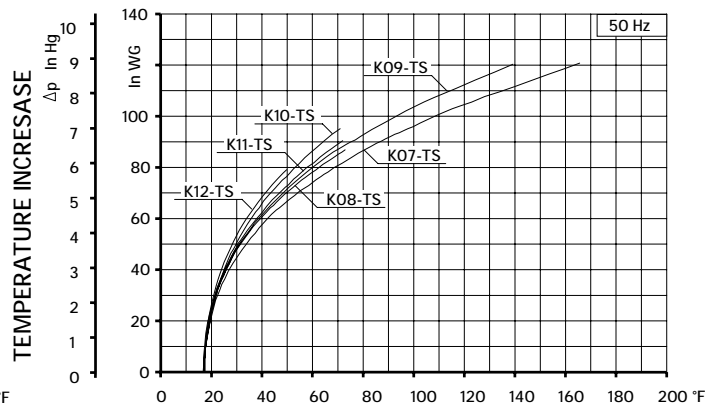
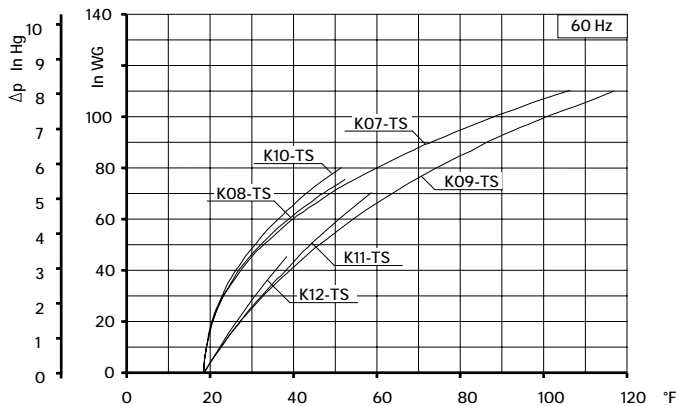
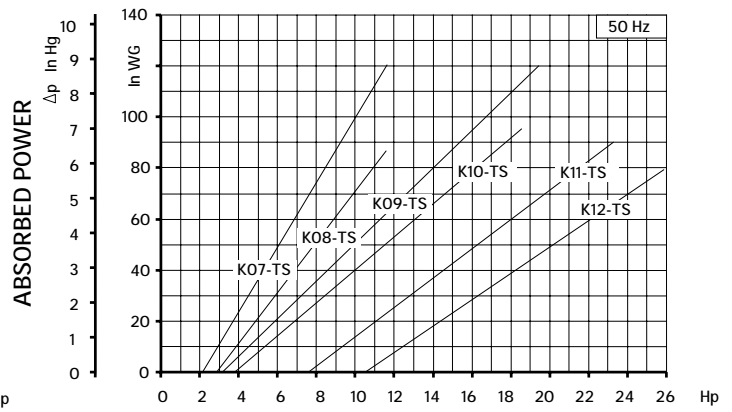
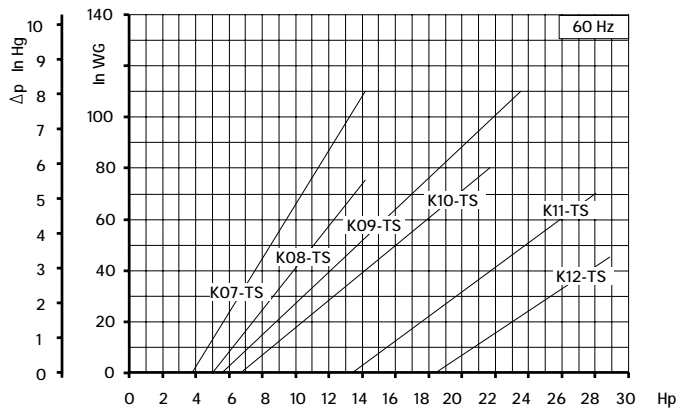
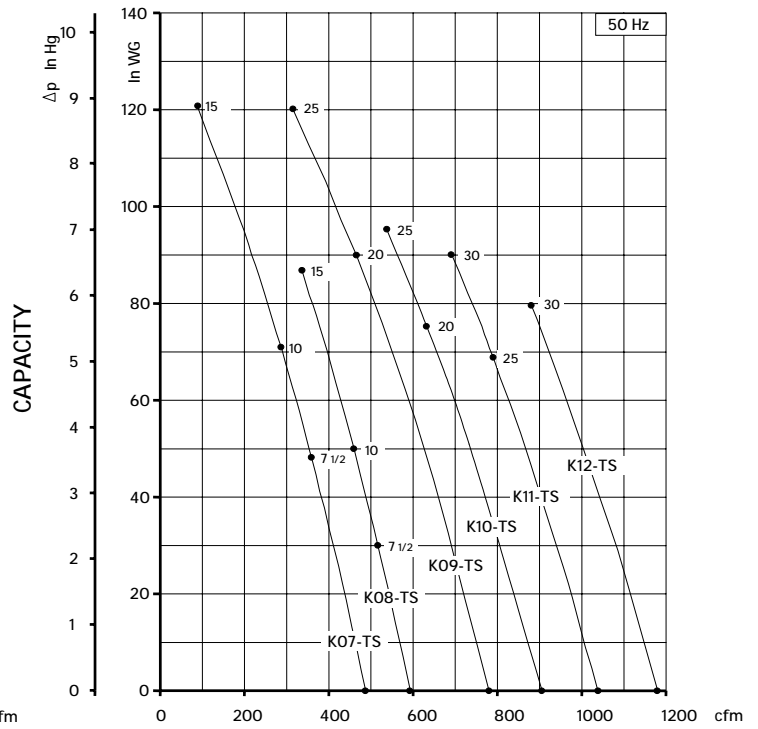
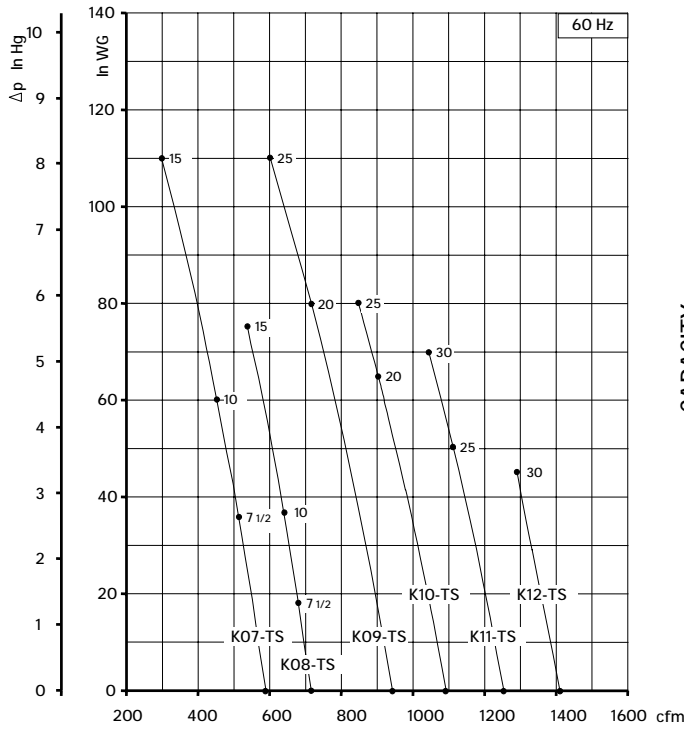
| Model | a | b | c | d | e | f | G | l | j | k | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|-------|------|-------|-------|-------|------|-----|------|------|------|-------|-------|------|-------|------|----|-------|------|
| K07-TS | 16.69 | 20.91 | 12.56 | 3.86 | 18.43 | 17.24 | 4"NPT | 7.17 | - | - | 0.51 | 9.84 | 21.65 | 31.57 | 0.98 | 11.77 | 0.20 | M8 | 11.61 | 0.63 |
| K08-TS | 18.03 | 21.57 | 12.56 | 3.86 | 18.82 | 17.64 | 4"NPT | 7.17 | - | - | 0.51 | 9.84 | 21.65 | 31.57 | 0.98 | 11.77 | 0.20 | M8 | 12.20 | 0.63 |
| K09-TS | 19.37 | 24.02 | 14.37 | 4.4 | 20.00 | 18.82 | 5.12 | 8.27 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 33.46 | - | 12.40 | 0.20 | M8 | 14.17 | 0.63 |
| K10-TS | 20.31 | 24.53 | 14.37 | 4.41 | 20.00 | 18.82 | 5.12 | 8.27 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 33.46 | - | 12.40 | 0.20 | M8 | 14.17 | 0.63 |
| K11-TS | 21.26 | 25.59 | 14.96 | 4.17 | 21.26 | 20.08 | 5.12 | 8.98 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 34.25 | - | 12.60 | 0.20 | M8 | 15.35 | 0.63 |
| K12-TS | 21.57 | 25.66 | 14.96 | 4.17 | 21.26 | 20.08 | 5.12 | 8.98 | M16 | 8.27 | 0.51 | 9.84 | 21.65 | 34.37 | - | 12.60 | 0.20 | M8 | 15.35 | 0.63 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K07-TS | 588 | 487 | 7 1/2 | 7 1/2 | 2.6 | 3.5 | 84.5 | 82.5 | 23.76 | 197.31 |
| | | | 10 | 10 | 4.4 | 5.2 | 84.8 | 82.8 | 23.76 | 206.13 |
| | | | 15 | 15 | 8.1 | 8.9 | 85.4 | 83.4 | 24.55 | 223.77 |
| K08-TS | 715 | 592 | 7 1/2 | 7 1/2 | 1.3 | 2.2 | 80.9 | 78.9 | 23.76 | 205.47 |
| | | | 10 | 10 | 2.7 | 3.7 | 81.2 | 79.2 | 23.76 | 214.29 |
| | | | 15 | 15 | 5.5 | 6.4 | 82.9 | 80.9 | 24.55 | 231.92 |
| K09-TS | 941 | 780 | 20 | 20 | 5.9 | 6.6 | 84.1 | 82.1 | 29.92 | 350.53 |
| | | | 25 | 25 | 8.1 | 8.8 | 86.1 | 84.1 | 30.79 | 383.60 |
| K10-TS | 1093 | 906 | 20 | 20 | 4.8 | 5.5 | 89.4 | 87.4 | 29.92 | 354.94 |
| | | | 25 | 25 | 5.9 | 7.0 | 89.7 | 87.7 | 30.79 | 388.01 |
| K11-TS | 1254 | 1039 | 25 | 25 | 3.7 | 5.0 | 90.7 | 88.7 | 31.38 | 429.02 |
| | | | 30 ⁽²⁾ | 30 ⁽²⁾ | 5.1 | 6.6 | 91.3 | 89.3 | 31.38 | 434.53 |
| K12-TS | 1410 | 1168 | 30 ⁽²⁾ | 30 ⁽²⁾ | 3.3 | 5.9 | 91.9 | 89.9 | 31.50 | 436.75 |

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

(2) K11-K12-TS Hp 30 vertical assembly only.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

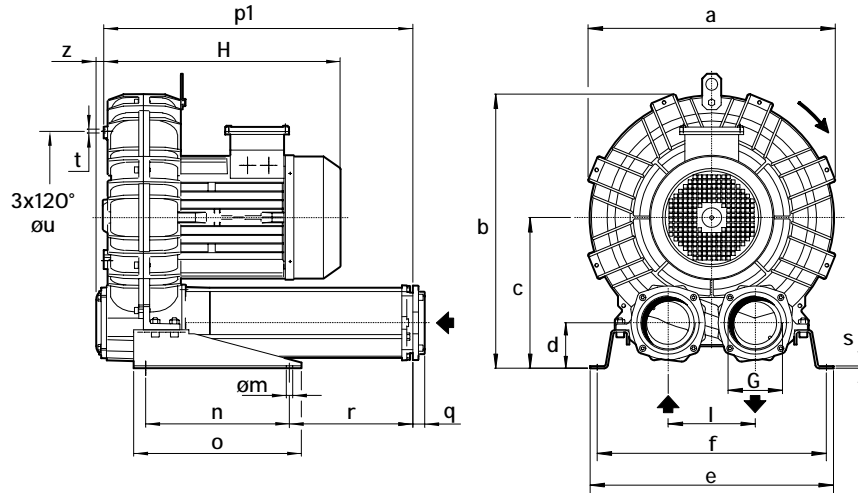
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



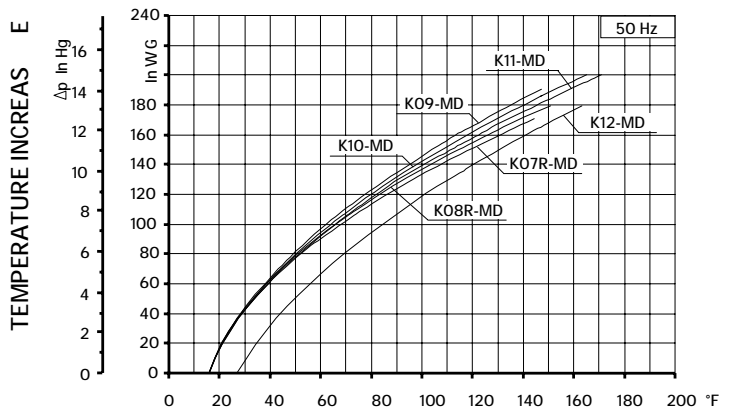
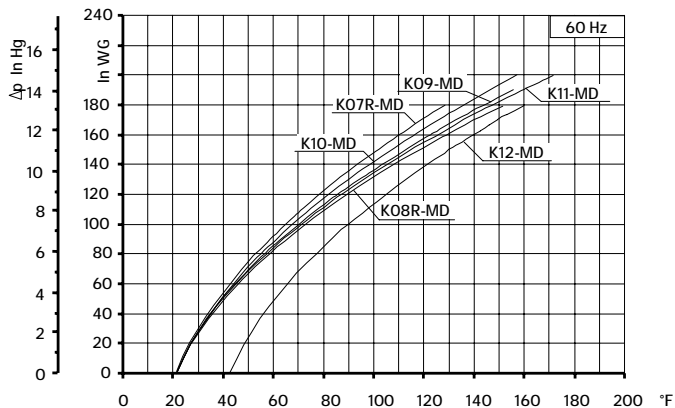
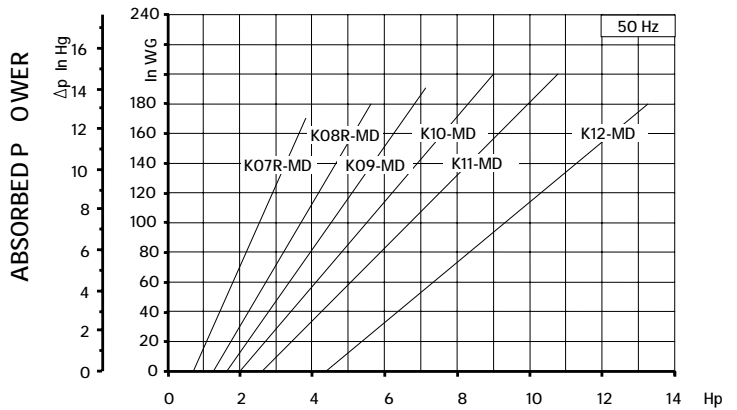
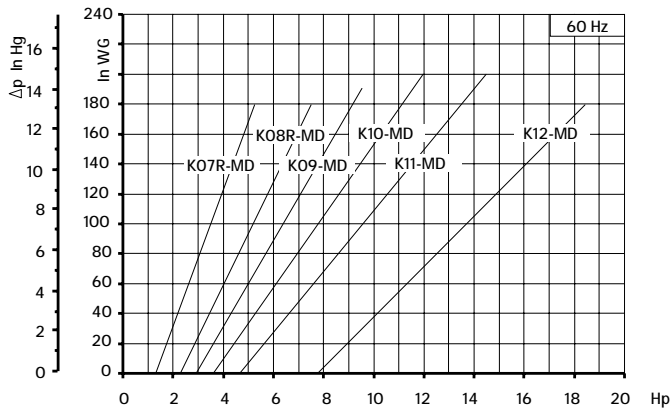
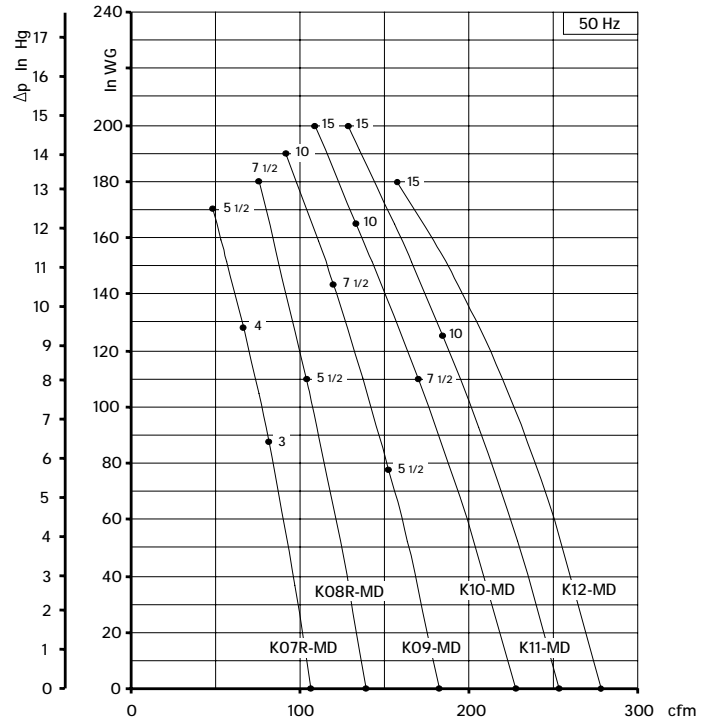
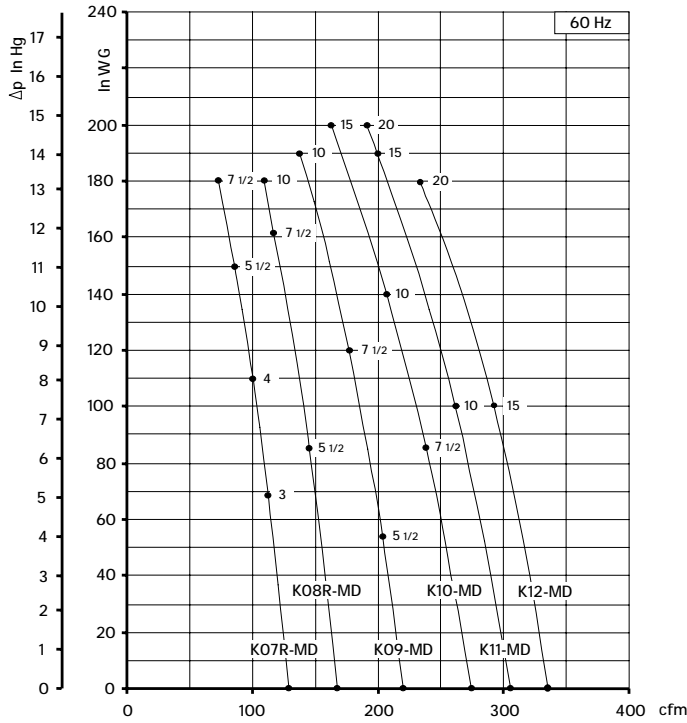
Dimensions in inches.
Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | p1 | q | r | s | t | u | z |
|---------|-------|-------|-------|------|-------|-------|--------|------|------|-------|-------|-------|------|-------|------|----|-------|------|
| K07R-MD | 16.69 | 18.94 | 10.59 | 3.23 | 18.43 | 17.24 | 2" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 16.46 | 0.71 | 1.7 | 0.20 | M8 | 11.61 | 0.63 |
| K08R-MD | 17.99 | 19.61 | 10.59 | 3.23 | 18.82 | 17.64 | 2" NPT | 6.10 | 0.51 | 11.81 | 13.78 | 16.46 | 0.71 | 1.7 | 0.20 | M8 | 12.20 | 0.63 |
| K09-MD | 19.37 | 22.09 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 25.35 | 0.98 | 10.12 | 0.20 | M8 | 14.17 | 0.63 |
| K10-MD | 20.31 | 22.56 | 12.40 | 3.78 | 20.00 | 18.82 | 4" NPT | 7.17 | 0.51 | 11.81 | 13.78 | 25.35 | 0.98 | 10.12 | 0.20 | M8 | 14.17 | 0.63 |
| K11-MD | 21.35 | 23.74 | 13.07 | 3.58 | 21.18 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 25.75 | 0.98 | 10.12 | 0.20 | M8 | 14.17 | 0.63 |
| K12-MD | 21.57 | 23.85 | 13.07 | 3.58 | 21.18 | 20.00 | 4" NPT | 7.87 | 0.51 | 11.81 | 13.78 | 25.87 | 0.98 | 10.31 | 0.20 | M8 | 15.35 | 0.52 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Dp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|---------|------------------|----------------|--------------------|----------------|--|----------------|---------------------------|----------------|-----------------------------|------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| K07R-MD | 129 | 107 | 3 | 3 | 5.0 | 6.4 | 72.5 | 70.5 | 16.14 | 101.40 |
| | | | 4 | 4 | 8.1 | 9.4 | 73.0 | 71.0 | 16.14 | 103.60 |
| | | | 5 1/2 | 5 1/2 | 11.0 | 12.5 | 73.5 | 71.5 | 16.14 | 111.50 |
| | | | 7 1/2 | - | 13.2 | - | 74.0 | - | 17.52 | 134.50 |
| K08R-MD | 168 | 139 | 5 1/2 | 5 1/2 | 6.3 | 8.1 | 75.7 | 73.7 | 16.14 | 116.90 |
| | | | 7 1/2 | 7 1/2 | 11.9 | 13.2 | 76.1 | 74.1 | 17.52 | 140.00 |
| | | | 10 | - | 13.2 | - | 76.4 | - | 17.52 | 151.00 |
| K09-MD | 221 | 183 | 5 1/2 | 5 1/2 | 4.0 | 5.7 | 76.4 | 74.4 | 16.54 | 144.40 |
| | | | 7 1/2 | 7 1/2 | 8.8 | 10.5 | 77.5 | 75.5 | 17.95 | 167.60 |
| | | | 10 | 10 | 14.0 | 14.0 | 79.0 | 77.0 | 17.95 | 178.60 |
| K10-MD | 275 | 228 | 7 1/2 | 7 1/2 | 6.3 | 8.1 | 80.4 | 78.4 | 17.91 | 170.90 |
| | | | 10 | 10 | 10.3 | 12.1 | 80.7 | 78.7 | 17.91 | 181.90 |
| | | | 15 | 15 | 14.7 | 14.7 | 81.3 | 79.3 | 19.29 | 203.90 |
| K11-MD | 306 | 254 | 10 | 10 | 7.4 | 9.2 | 80.7 | 78.7 | 18.11 | 211.60 |
| | | | 15 | 15 | 14.0 | 14.7 | 81.3 | 79.3 | 19.49 | 232.60 |
| | | | 20 | - | 14.7 | - | 81.6 | - | 23.23 | 287.20 |
| K12-MD | 336 | 278 | 15 | 15 | 7.4 | 13.2 | 82.2 | 80.2 | 19.61 | 240.30 |
| | | | 20 | - | 13.2 | - | 82.5 | - | 23.42 | 295.00 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

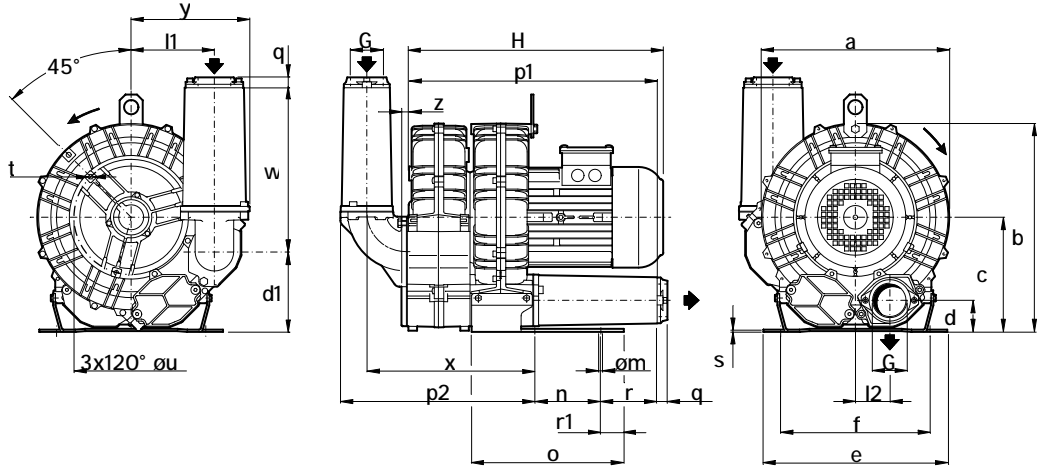
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



Dimensions in inches.

Dimension for reference only.

| Model | a | b | c | d | d1 | e | f | G | l1 | l2 | m | n | o | p1 | p2 | q | r | r1 | s | t | u | w | x | y | z |
|--------|-------|-------|------|------|------|-------|-------|------------|------|------|------|------|-------|-------|-------|------|------|------|------|----|------|-------|-------|------|------|
| K04-TD | 11.22 | 12.40 | 6.77 | 1.93 | 4.76 | 10.04 | 8.86 | 1" 1/2 NPT | 4.84 | 2.01 | 0.47 | 3.74 | 6.73 | 12.44 | 10.00 | 0.71 | 2.76 | 0.59 | 0.16 | M6 | 6.89 | 7.40 | 8.43 | 6.81 | 0.71 |
| K05-TD | 12.87 | 14.37 | 7.87 | 2.13 | 5.51 | 12.60 | 10.24 | 2" NPT | 5.71 | 2.36 | 0.59 | 4.53 | 10.43 | 16.85 | 13.39 | 0.71 | 3.86 | 1.57 | 0.16 | M8 | 7.87 | 11.26 | 11.54 | 8.11 | 0.75 |
| K06-TD | 14.80 | 16.54 | 9.13 | 2.32 | 6.69 | 12.80 | 11.42 | 2" NPT | 5.94 | 2.87 | 0.59 | 5.51 | 10.43 | 19.92 | 13.94 | 0.71 | 5.35 | 0.75 | 0.16 | M8 | 9.45 | 11.26 | 12.13 | 8.27 | 0.75 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| | | | | | | | | | | |
| K04-TD | 99 | 82 | 2 | 2 | 5.1 | 7.0 | 70.6 | 68.6 | 17.26 | 62.83 |
| | | | 3 | 3 | 8.8 | 8.1 | 71.6 | 69.6 | 17.26 | 69.44 |
| K05-TD | 153 | 127 | 3 | 3 | 5.1 | 7.0 | 72.6 | 70.6 | 17.45 | 84.88 |
| | | | 4 | 4 | 7.7 | 9.9 | 74.1 | 72.1 | 18.64 | 88.18 |
| | | | 5 1/2 | 5 1/2 | 11.0 | 11.8 | 75.6 | 73.6 | 18.64 | 92.59 |
| K06-TD | 222 | 184 | 5 1/2 | 5 1/2 | 5.9 | 8.8 | 74.6 | 72.6 | 18.98 | 103.62 |
| | | | 7 1/2 | 7 1/2 | 9.2 | 10.3 | 75.6 | 73.6 | 22.60 | 139.99 |
| | | | 10 | 10 | 11.8 | 11.8 | 76.6 | 74.4 | 22.60 | 148.81 |

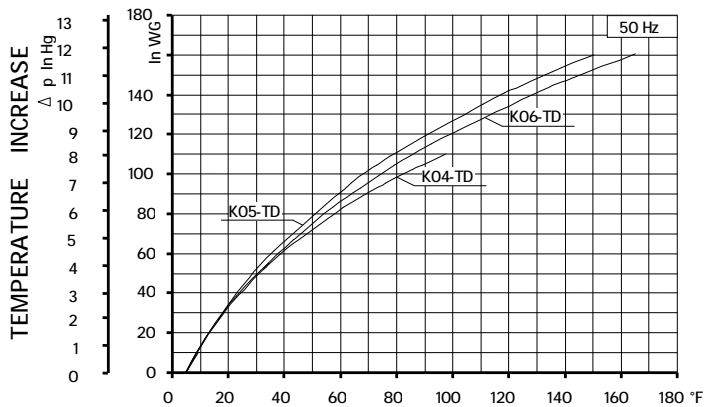
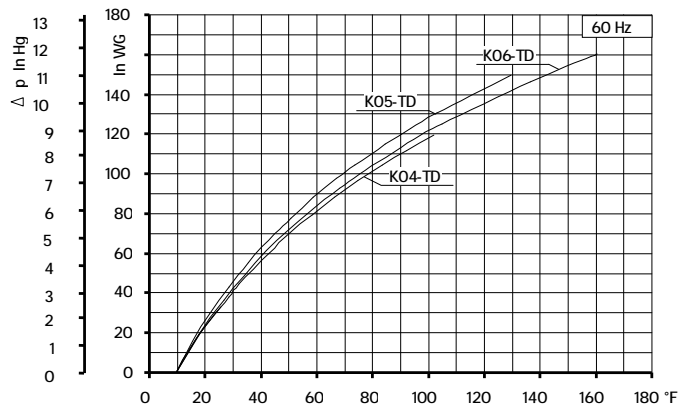
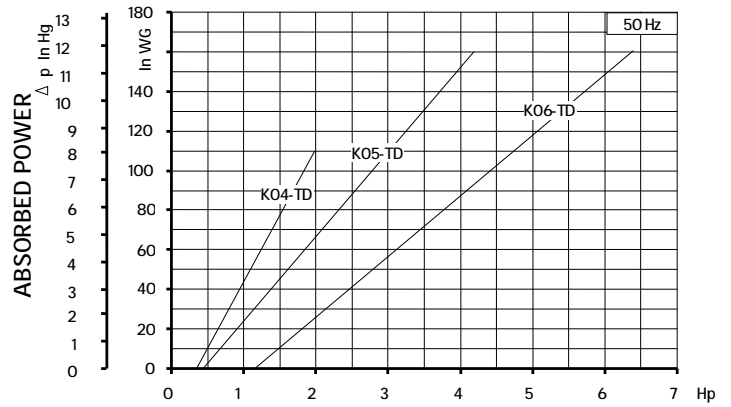
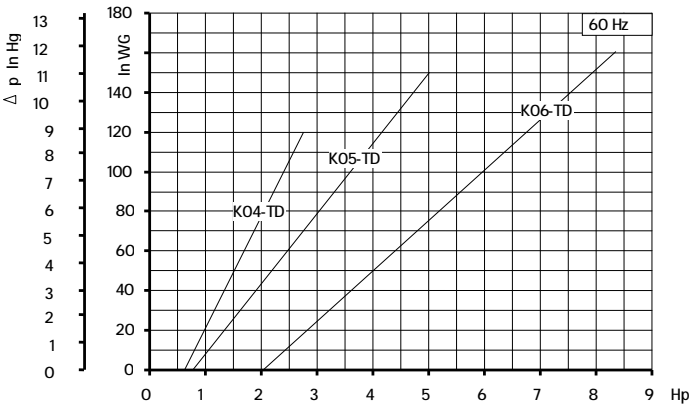
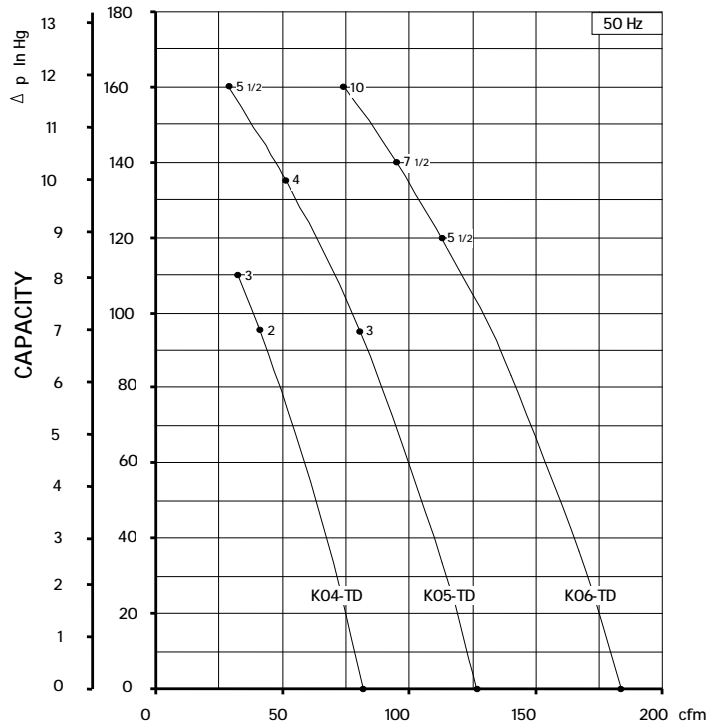
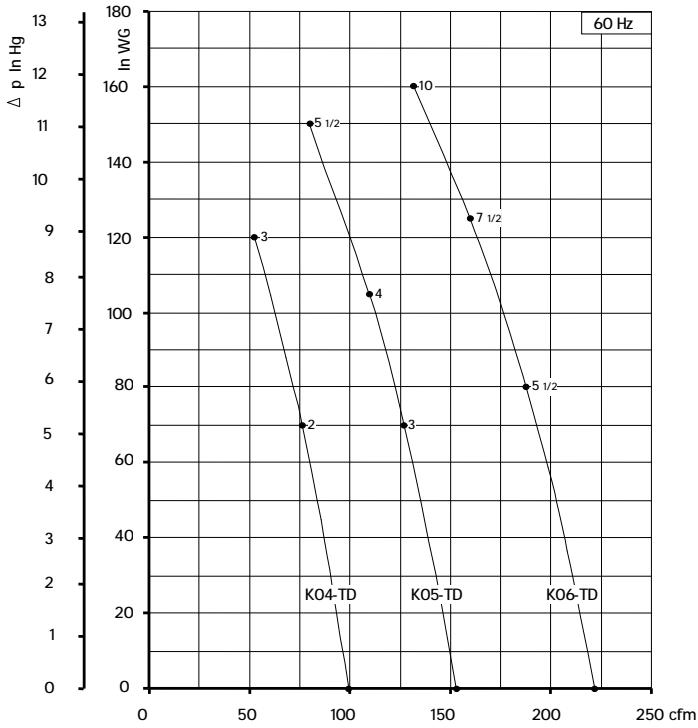
(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

SCL K04 / K05 / K06

TD SERIES

SN 1936-6 2/2



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

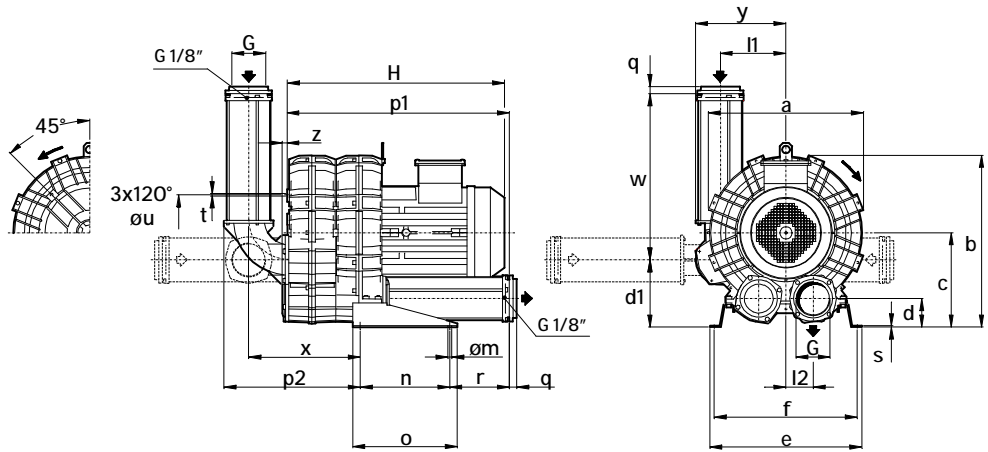
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - cURus motor
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



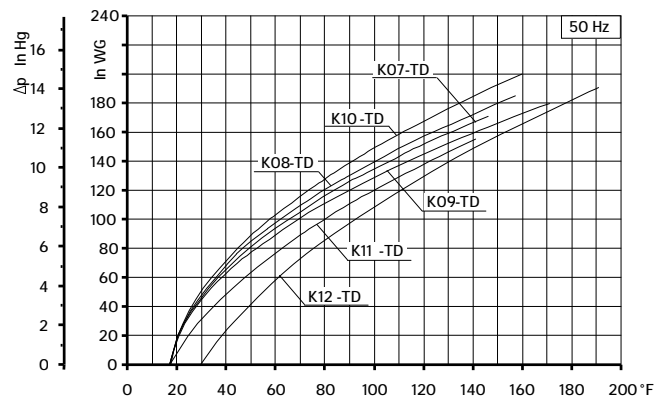
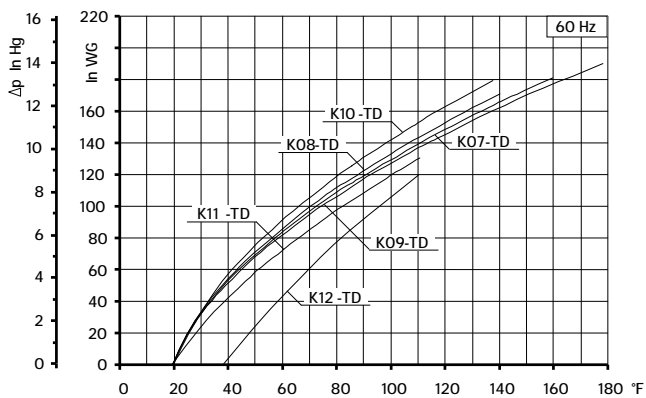
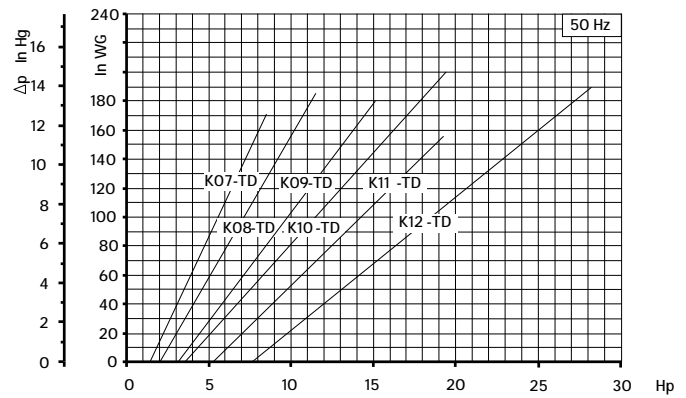
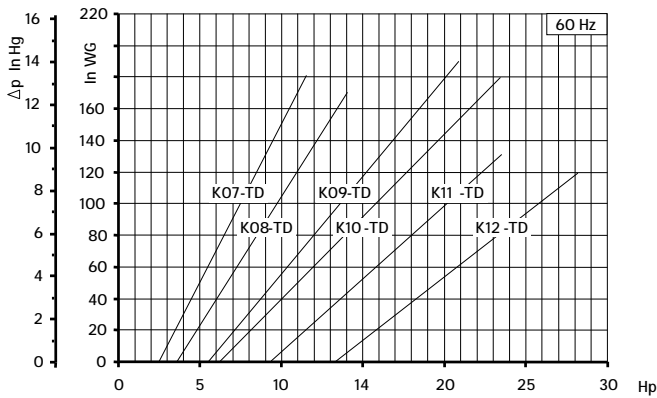
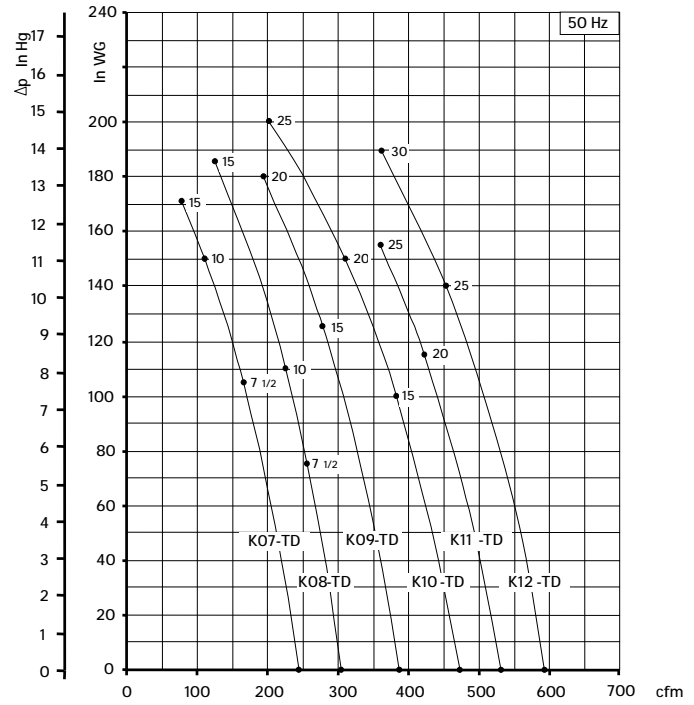
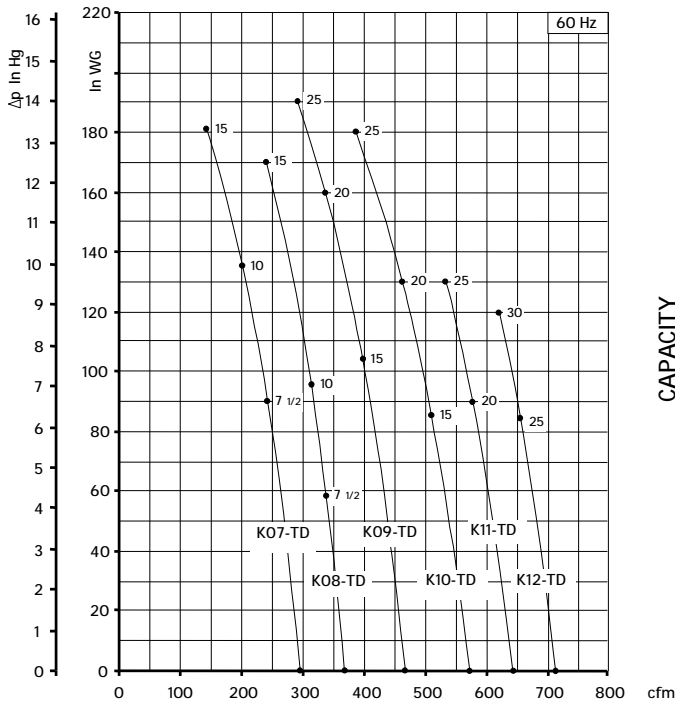
Dimensions in inches.
 Dimension for reference only.

| Model | a | b | c | d | d1 | e | f | G | l1 | l2 | m | n | o | p1 | p2 | q | r | s | t | u | w | x | y | z |
|---------|-------|-------|-------|------|------|-------|-------|-------|------|------|------|-------|-------|-------|-------|------|------|------|----|-------|-------|-------|-------|------|
| K07-TD | 16.69 | 18.94 | 10.59 | 3.23 | 7.56 | 18.43 | 17.24 | 3"NPT | 7.36 | 3.05 | 0.51 | 11.81 | 13.78 | 25.55 | 15.43 | 0.98 | 5.39 | 0.20 | M8 | 11.61 | 18.94 | 12.56 | 10.24 | 0.63 |
| K08-TD | 17.99 | 19.61 | 10.59 | 3.23 | 7.56 | 18.82 | 17.64 | 3"NPT | 7.36 | 3.05 | 0.51 | 11.81 | 13.78 | 25.55 | 15.43 | 0.98 | 5.39 | 0.20 | M8 | 12.20 | 18.94 | 12.56 | 10.24 | 0.63 |
| K09-TD | 19.37 | 22.09 | 12.4 | 3.78 | 8.86 | 20.0 | 18.82 | 4"NPT | 8.66 | 3.58 | 0.51 | 11.81 | 13.78 | 29.33 | 17.91 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 21.89 | 14.65 | 11.89 | 0.63 |
| K10-TD | 20.31 | 22.56 | 12.4 | 3.78 | 8.86 | 20.0 | 8.82 | 4"NPT | 8.66 | 3.58 | 0.51 | 11.81 | 13.78 | 29.33 | 17.91 | 0.98 | 7.83 | 0.20 | M8 | 14.17 | 21.89 | 14.65 | 11.89 | 0.63 |
| K11 -TD | 21.26 | 23.70 | 13.07 | 3.54 | 9.13 | 21.18 | 20.0 | 4"NPT | 9.53 | 3.94 | 0.51 | 11.81 | 13.78 | 30.12 | 18.50 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 21.89 | 15.24 | 12.76 | 0.63 |
| K12-TD | 21.57 | 23.81 | 13.07 | 3.54 | 9.13 | 21.18 | 20.0 | 4"NPT | 9.53 | 3.94 | 0.51 | 11.81 | 13.78 | 30.23 | 18.50 | 0.98 | 8.03 | 0.20 | M8 | 15.35 | 21.89 | 15.24 | 12.76 | 0.63 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|------------------|----------------|--------------------|----------------|--|----------------|---------------------------|----------------|-----------------------------|------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| | K07-TD | 296 | 245 | 7 1/2 | 7 1/2 | 6.6 | 7.7 | 78.6 | 76.6 | 23.76 |
| 10 | 10 | | | 9.9 | 11.0 | 78.9 | 76.9 | 23.76 | 202.8 | |
| 15 | 15 | | | 13.2 | 12.6 | 79.5 | 77.5 | 24.55 | 220.5 | |
| K08-TD | 368 | 305 | 7 1/2 | 7 1/2 | 4.3 | 5.5 | 79.0 | 77.0 | 23.76 | 202.2 |
| 10 | | | 10 | 7.0 | 8.1 | 79.3 | 77.3 | 23.76 | 211.0 | |
| 15 | | | 15 | 12.5 | 13.6 | 79.9 | 77.9 | 24.55 | 228.6 | |
| K09-TD | 467 | 387 | 15 | 15 | 7.7 | 9.2 | 82.2 | 80.2 | 25.81 | 222.7 |
| 20 | | | 20 | 11.7 | 13.2 | 82.5 | 80.5 | 29.92 | 347.2 | |
| 25 | | | - | 14.0 | - | 82.8 | - | 30.79 | 380.3 | |
| K10-TD | 571 | 473 | 15 | 15 | 6.3 | 7.4 | 85.9 | 83.9 | 25.81 | 271.2 |
| 20 | | | 20 | 9.6 | 11.0 | 86.2 | 84.2 | 29.92 | 351.6 | |
| 25 | | | 25 | 13.2 | 14.7 | 86.5 | 84.5 | 30.79 | 384.7 | |
| K11-TD | 642 | 532 | 20 | 20 | 6.6 | 8.5 | 86.7 | 84.7 | 31.38 | 392.6 |
| 25 | | | 25 | 9.6 | 11.4 | 87.2 | 85.2 | 31.38 | 425.7 | |
| K12-TD | 716 | 593 | 25 | 25 | 6.3 | 10.3 | 87.5 | 85.5 | 31.50 | 423.5 |
| 30 | | | 30 | 8.8 | 14.0 | 88.0 | 86.0 | 31.50 | 429.0 | |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68°F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise +/-10% tolerance.
 Data subject to change without notice.

STANDARD FEATURES

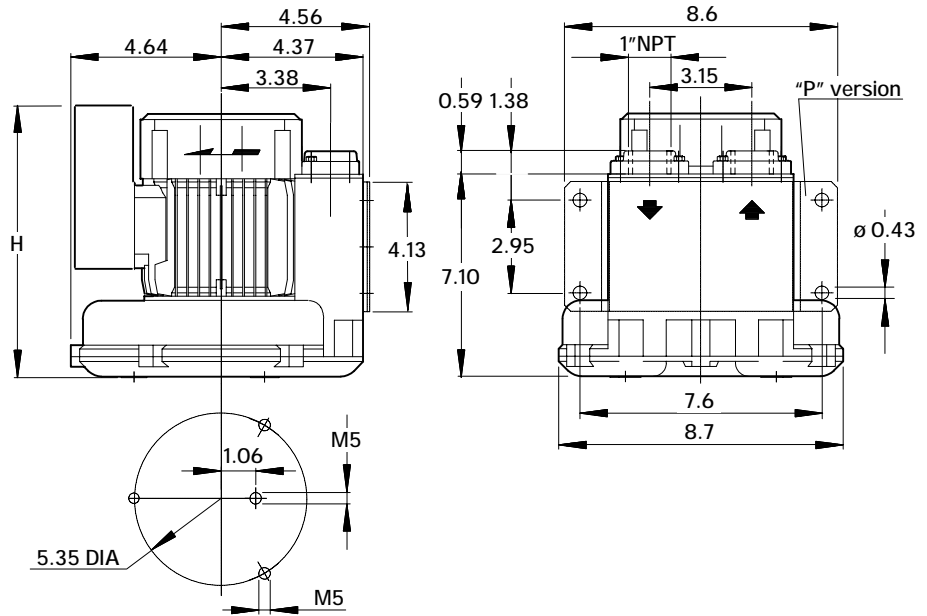
- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC - cURus motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +104 °F.
- Mountable in any plane.

OPTIONS

- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

ACCESSORIES

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors

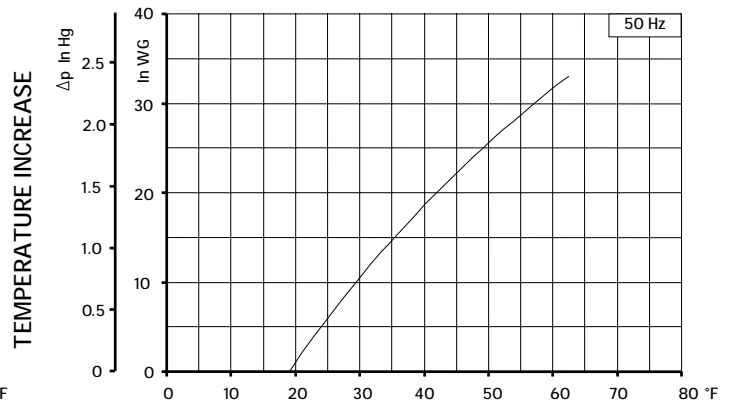
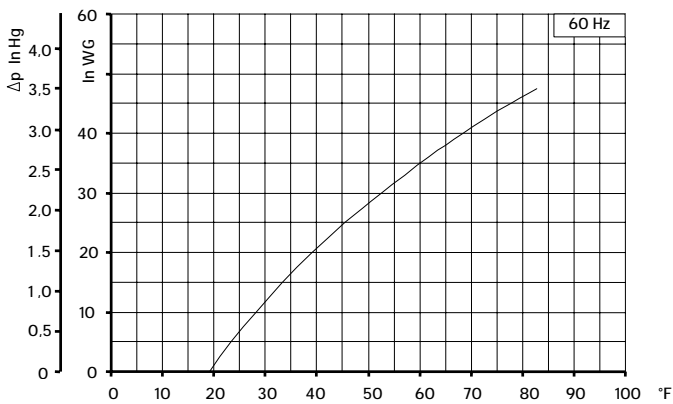
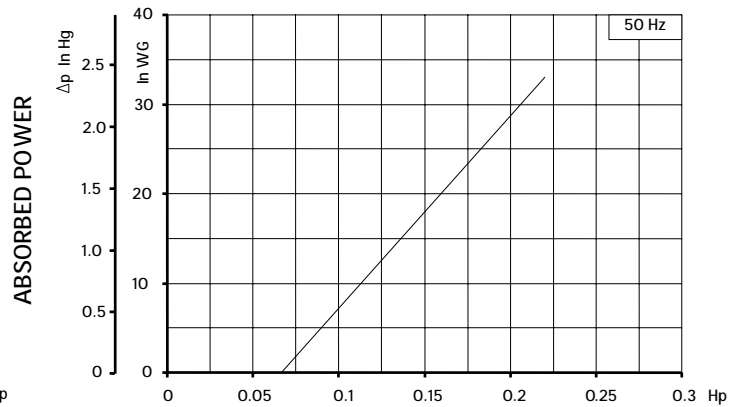
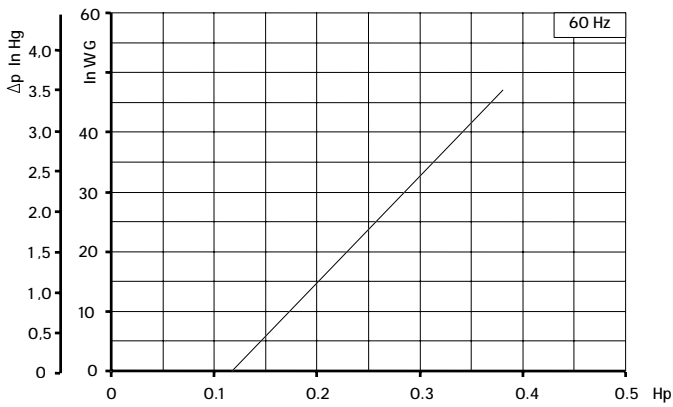
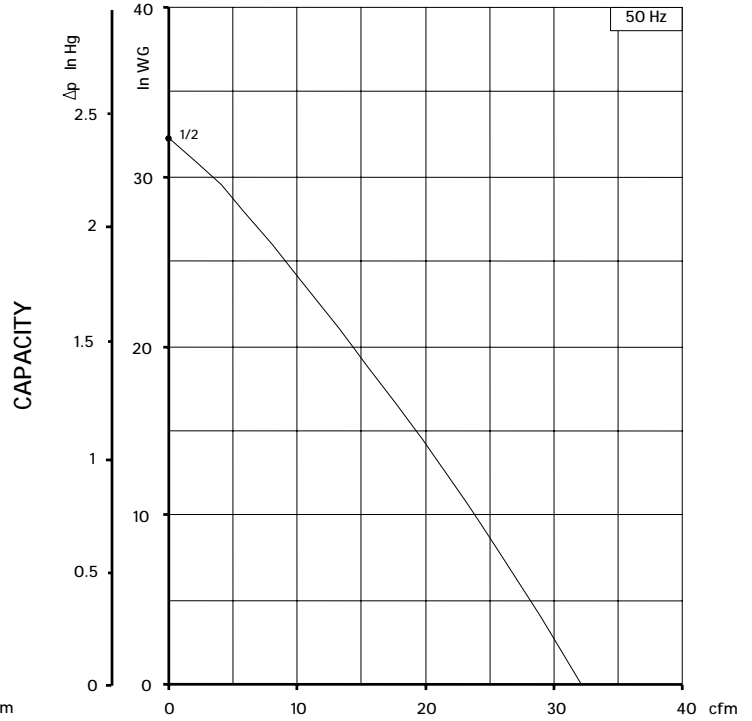
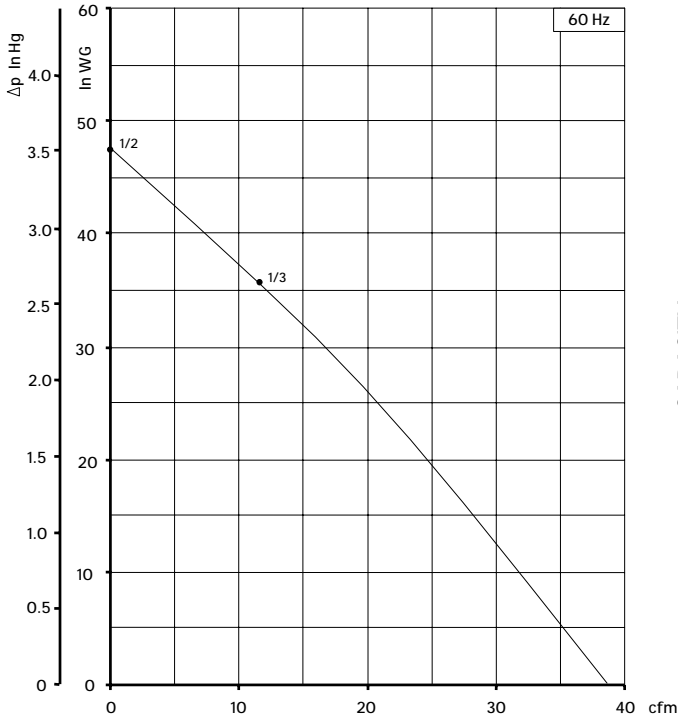


Dimensions in inches.
 Dimension for reference only.

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|-------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| 06 | 39 | 32 | 1/3 | - | 2.7 | - | 58.7 | - | 10.60 | 18.30 |
| | | | 1/2 | 1/2 | 3.5 | 2.4 | 59.0 | 58.0 | | |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

STANDARD FEATURES

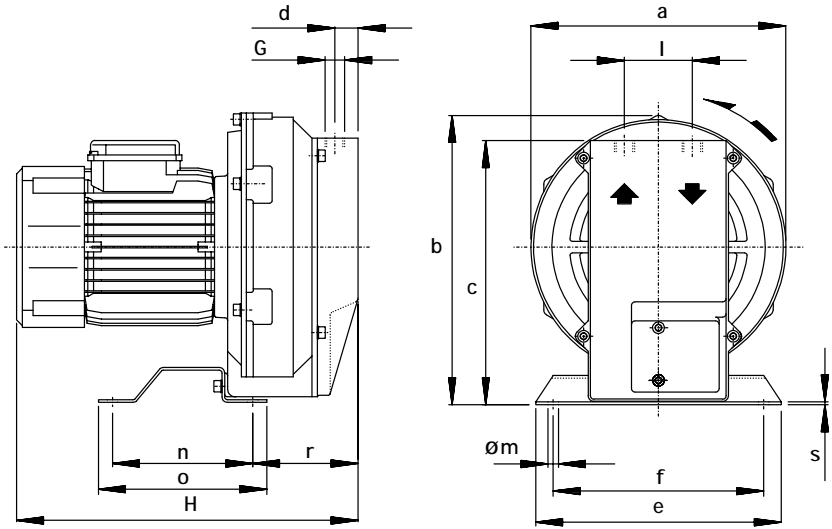
- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC - cURus motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +104 °F.
- Mountable in any plane.

OPTIONS

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

ACCESSORIES

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optionals connectors



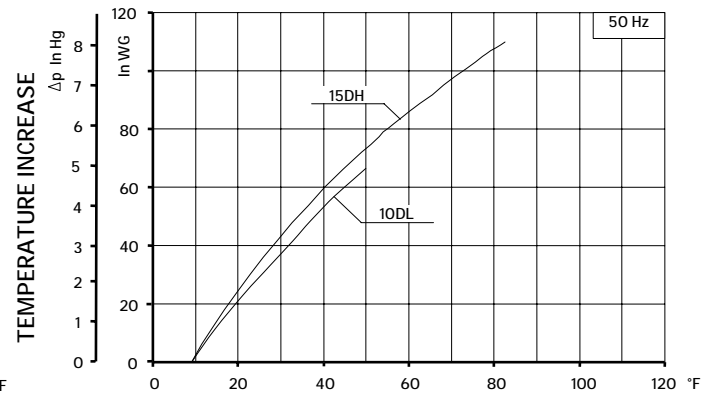
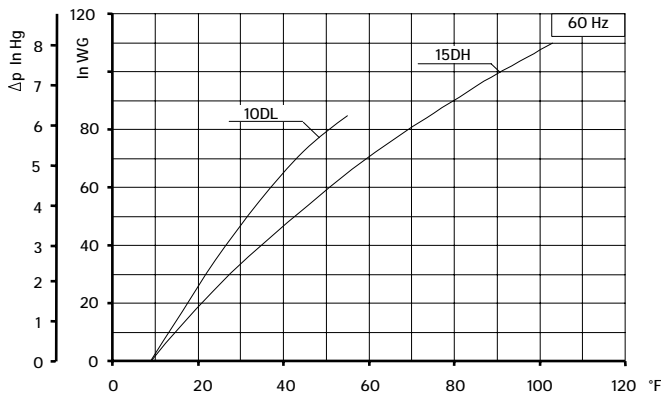
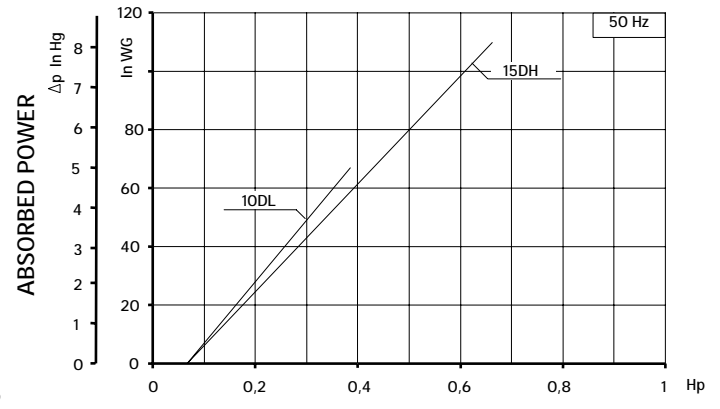
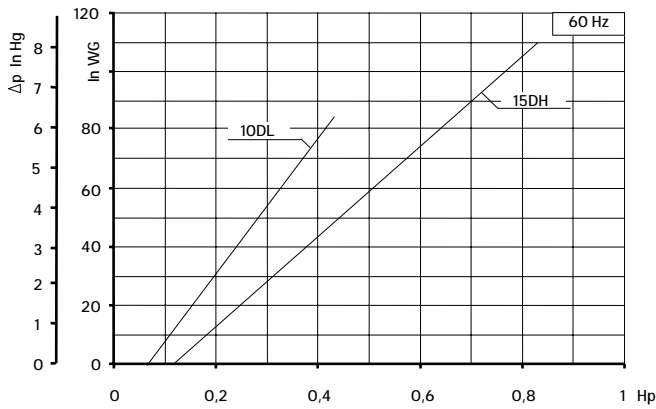
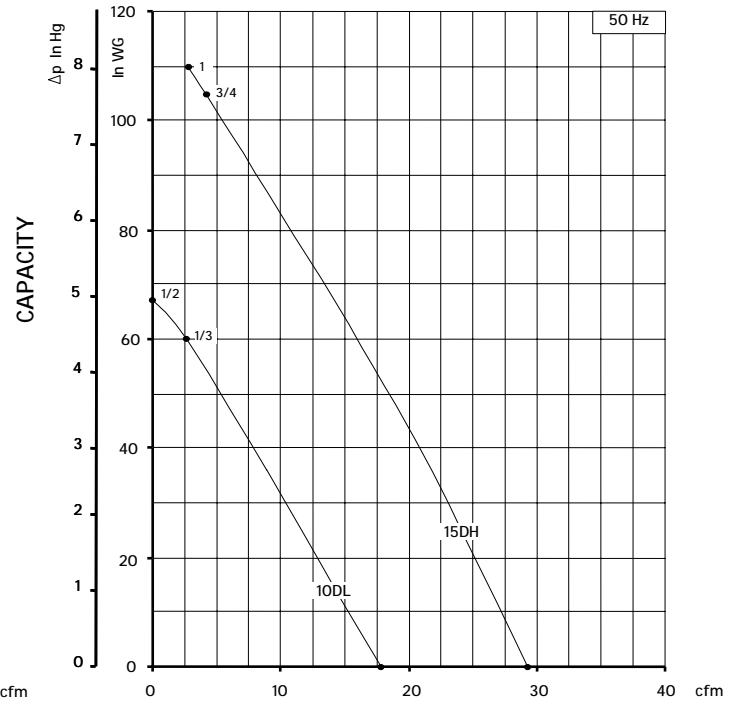
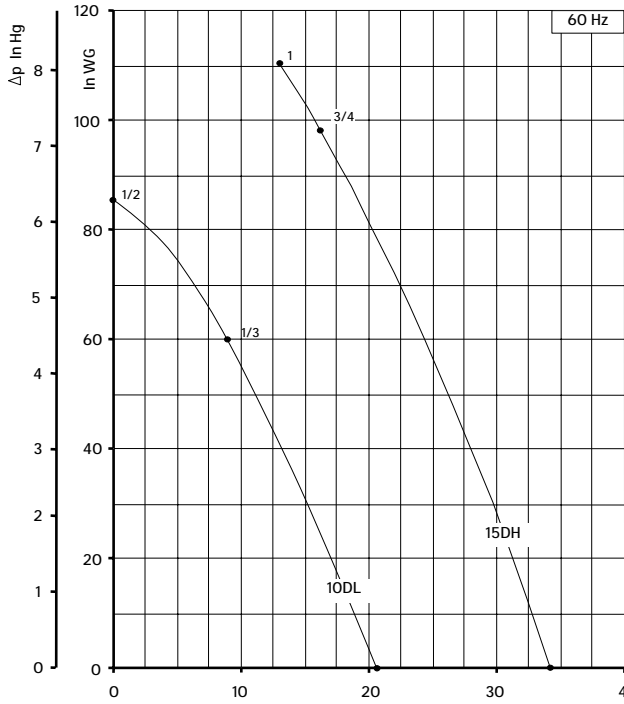
Dimensions in inches.
 Dimension for reference only.

| Model | a | b | c | d | e | f | G | l | m | n | o | r | s |
|-------|------|-------|--------|------|------|------|----------|------|------|------|------|------|------|
| 10DL | 8.66 | 10.08 | 9.06 | 0.91 | 8.27 | 7.09 | 1/2" NPT | 2.28 | 0.35 | 4.72 | 5.67 | 3.54 | 0.10 |
| 15DH | 9.84 | 11.26 | 0.16 1 | 1.18 | 8.27 | 7.09 | 3/4" NPT | 2.52 | 0.35 | 4.72 | 5.67 | 4.72 | 0.10 |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|-------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| 10DL | 21 | 18 | 1/3 | 1/3 | 4.4 | 4.4 | 63.7 | 61.7 | 12.20 | 21.80 |
| | | | 1/2 | 1/2 | 6.3 | 4.9 | 64.0 | 62.0 | 12.76 | 23.50 |
| 15DH | 35 | 29 | 3/4 | 3/4 | 7.2 | 7.7 | 63.7 | 61.7 | 14.25 | 32.50 |
| | | | 1 | 1 | 8.1 | 8.1 | 64.0 | 62.0 | 15.75 | 40.00 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

STANDARD FEATURES

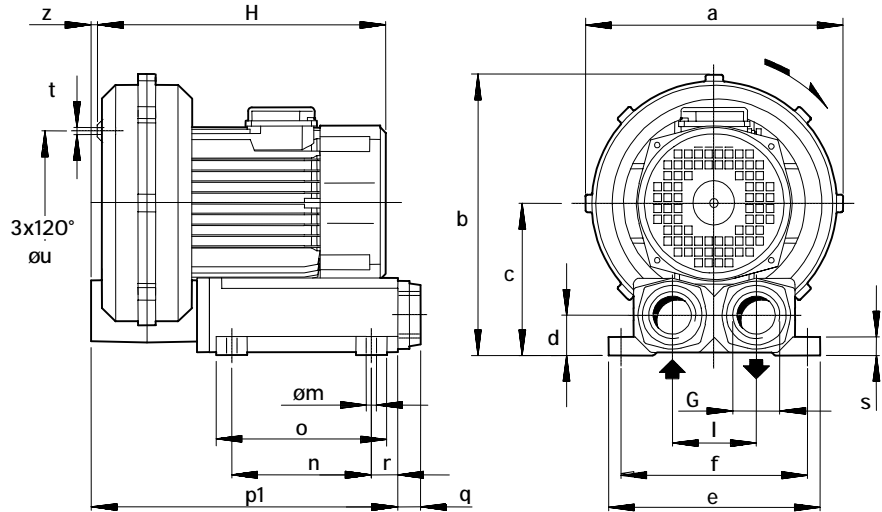
- Low weight cast aluminum construction.
- Quiet operation with integral inlet and outlet muffling.
- Recognized TEFC - cURus motor.
- High efficiency / low noise impeller design.
- No lubrication / maintenance required.
- Allowed ambient: +5 °F to +104 °F.
- Mountable in any plane.

OPTIONS

- Remote drive models (belt or coupling).
- Special voltages.
- Surface treatment or plating.
- Gas tight sealing.
- Special designs available.

ACCESSORIES

- Inlet and/or inline filters.
- Additional inlet/outlet silencers.
- Safety valves.
- Flow converting devices.
- Optional connectors



Dimensions in inches.

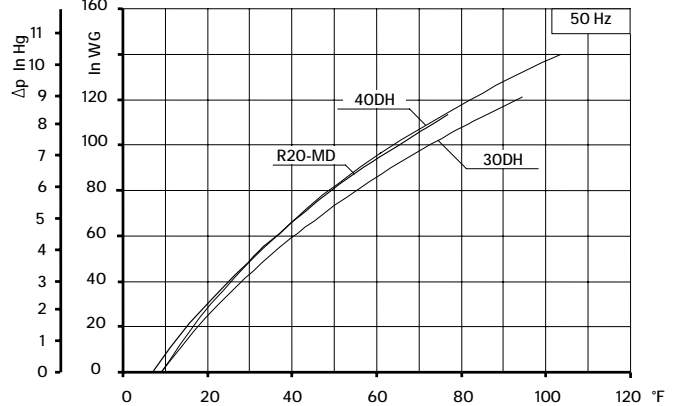
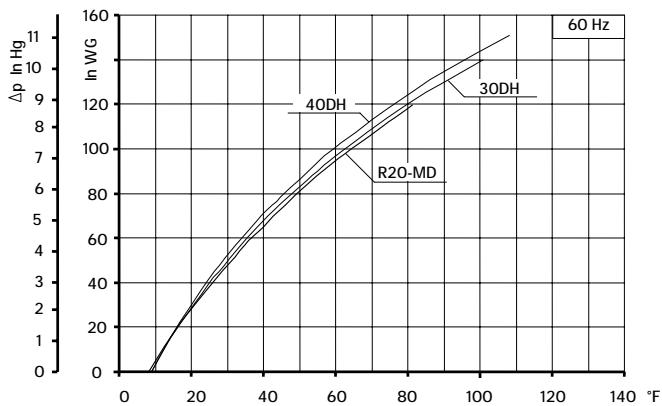
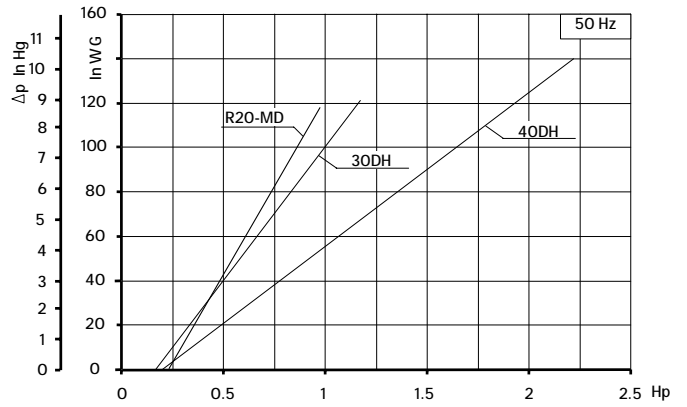
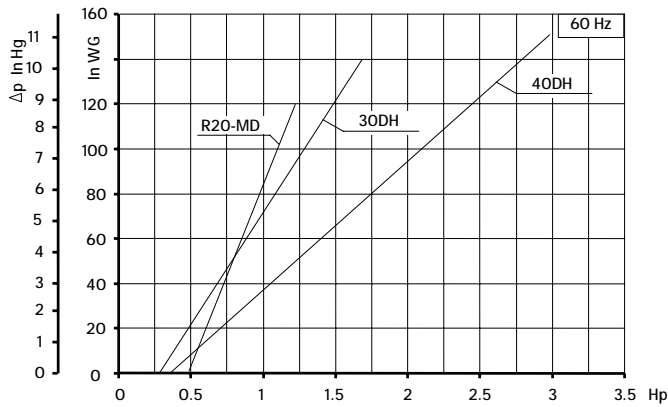
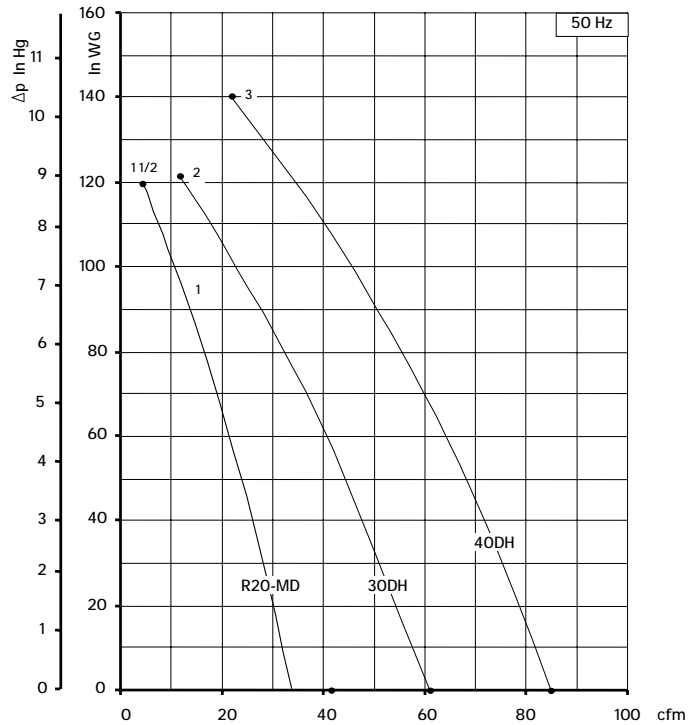
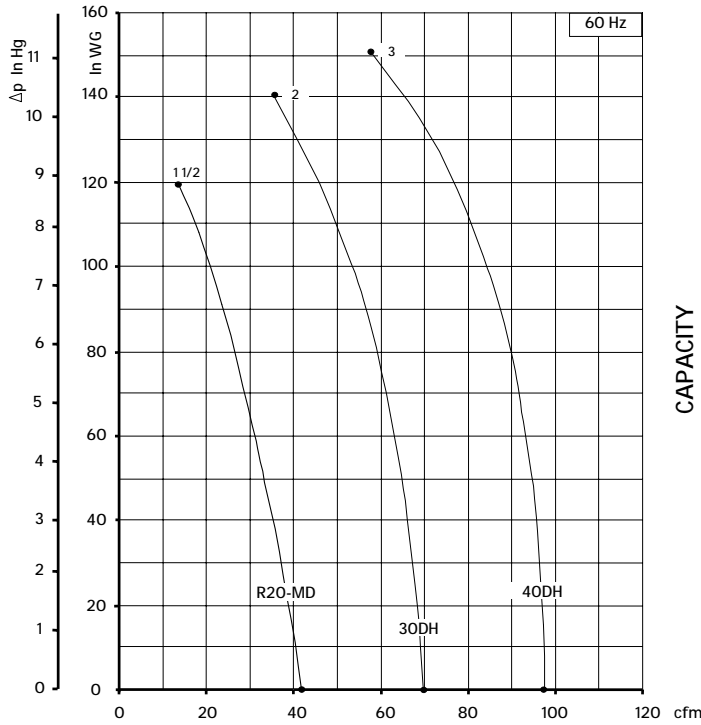
Dimension for reference only.

| Model | a | b | c | d | e | f | G | I | m | n | o | p1 | q | r | s | t | u | z |
|--------|-------|-------|------|------|-------|------|----------|------|------|------|------|-------|------|------|------|----|------|------|
| R20-MD | 11.22 | 12.20 | 6.57 | 1.77 | 9.05 | 8.27 | 1" ¼ NPT | 3.54 | 0.40 | 5.90 | 7.68 | 13.5 | 0.71 | 1.77 | 0.78 | M6 | 5.91 | - |
| 30DH | 12.60 | 13.66 | 7.36 | 2.09 | 10.63 | 9.64 | 1" ½ NPT | 4.13 | 0.39 | 7.28 | 9.25 | 16.54 | 0.71 | 2.17 | 0.79 | M6 | 7.09 | 0.67 |
| 40DH | 13.78 | 14.57 | 7.68 | 2.09 | 10.63 | 9.65 | 1" ½ NPT | 4.13 | 0.39 | 7.28 | 9.25 | 17.32 | 0.71 | 2.17 | 0.79 | M8 | 8.86 | - |

| Model | Maximum flow cfm | | Installed power Hp | | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Overall dimensions H Inches | Weight Lbs |
|--------|---------------------|-------------------|-----------------------|-------------------|---|-------------------|---------------------------------|-------------------|-----------------------------------|---------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | |
| R20-MD | 41 | 34 | 1 ½ | 1 ½ | 8.8 | 8.8 | 68.0 | 65.0 | 13.86 | 47.30 |
| 30DH | 70 | 61 | 2 | 2 | 10.3 | 8.9 | 69.7 | 67.7 | 15.36 | 58.30 |
| 40DH | 98 | 85 | 3 | 3 | 11.1 | 10.3 | 74.7 | 71.7 | 16.93 | 75.00 |

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

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

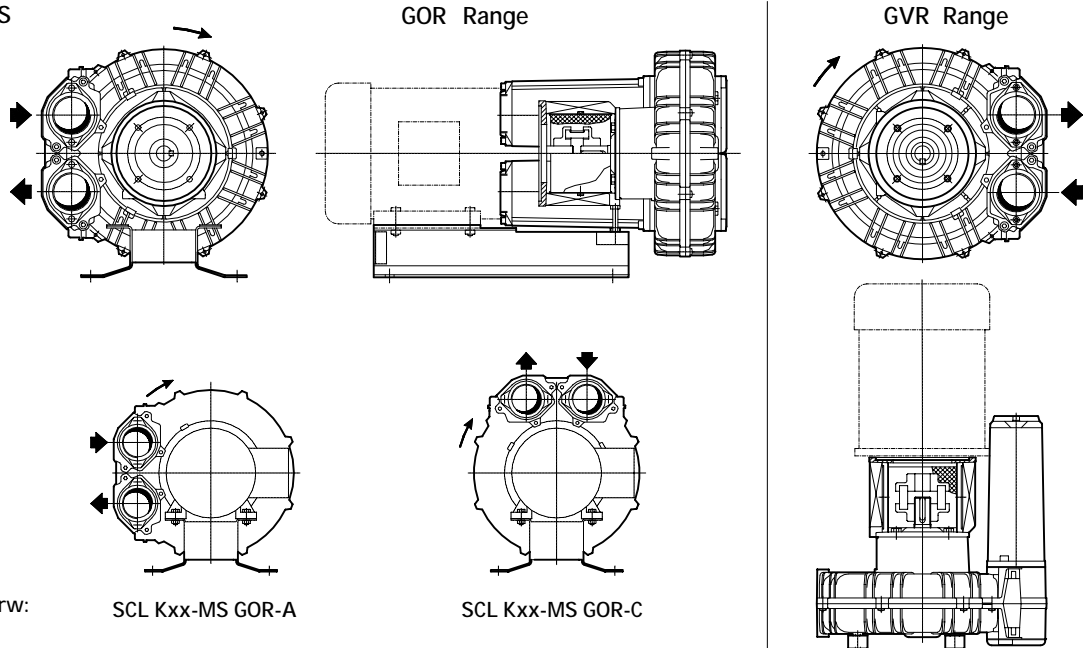
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



For dimensions, please refer to drw:

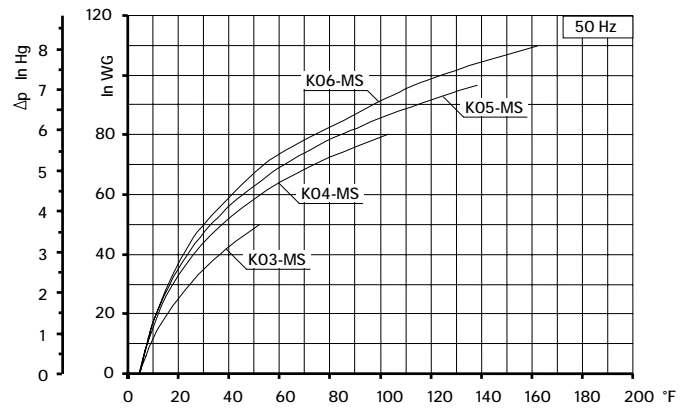
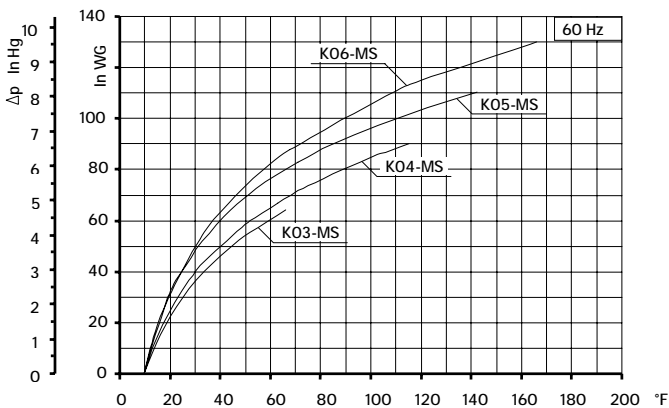
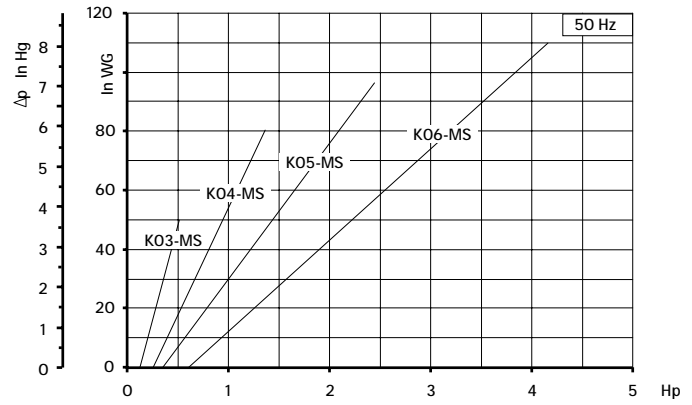
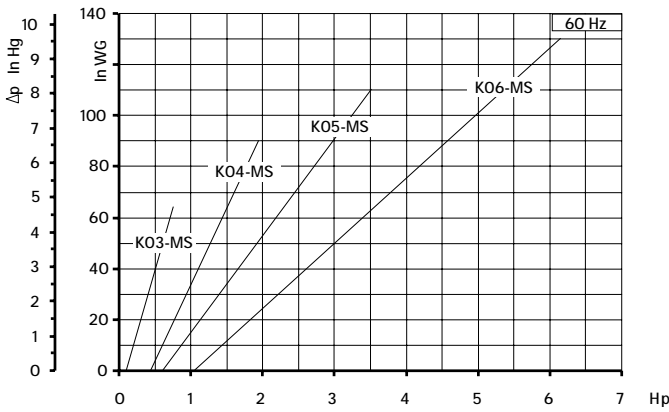
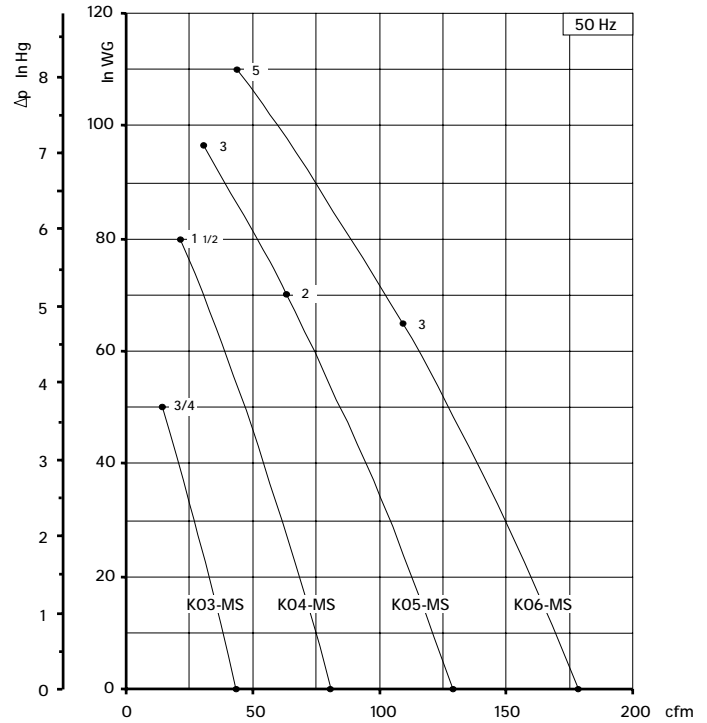
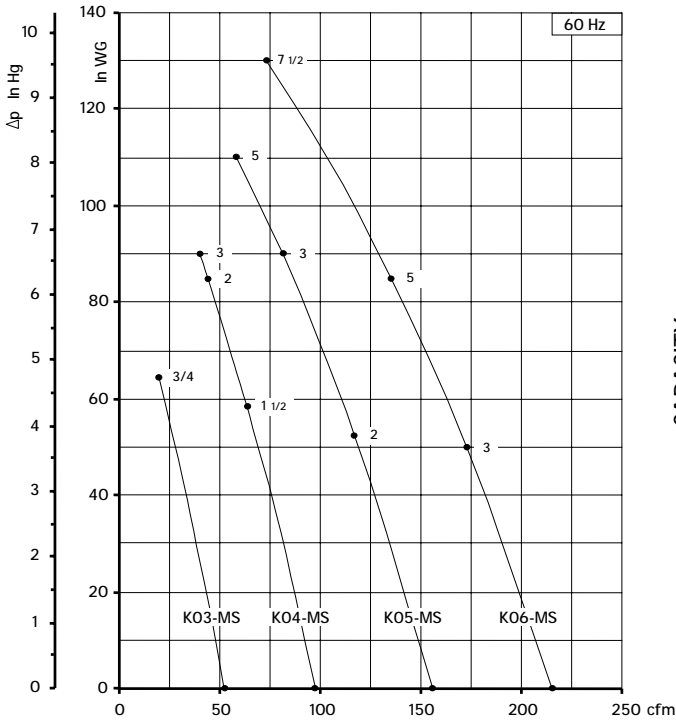
- GOR range: SI 1852
- GVR range: SI 1946

| Model | Maximum flow cfm | | Installed power Hp | Size | Maximum differential pressure Δp (in Hg) | | Noise level Lp dB (A) (1) | | Weight (2) | | | |
|--------|---------------------|-------------------|-----------------------|--------------|---|-------------------|---------------------------------|-------------------|---------------|------------|------|------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | Lbs GOR | Lbs GVR | | |
| K03-MS | 52 | 43 | 3/4 | NEMA 56C | 4.7 | 3.7 | 61.0 | 59.0 | 22.00 | 17.60 | | |
| K04-MS | 98 | 81 | 1 1/2 | NEMA 56C | 4.3 | 5.9 | 63.8 | 61.8 | 27.60 | 22.00 | | |
| | | | 2 | NEMA 56C | 6.3 | | 64.0 | | | | | |
| | | | 3 | NEMA 56C | 6.6 | | 64.2 | | | | | |
| K05-MS | 156 | 129 | 2 | NEMA 143-5TC | 3.8 | 7.1 | 69.5 | 67.8 | 35.00 | 28.00 | | |
| | | | 3 | NEMA 182-4TC | 6.6 | | 69.8 | | 34.50 | 27.00 | | |
| | | | 5 | NEMA 182-4TC | 8.1 | | 70.4 | | | | | |
| K06-MS | 216 | 179 | 3 | NEMA 143-5TC | 3.7 | 4.8 | 72.0 | 70.0 | 46.00 | 38.40 | | |
| | | | | NEMA 182-4TC | | | | | | | | |
| | | | 5 | NEMA 182-4TC | | | | | 6.3 | 8.1 | 72.6 | 70.6 |
| 7 1/2 | NEMA 182-4TC | 9.6 | 72.9 | | | | | | | | | |

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

(2) Value is referred to weight of the machine without electric motor.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL**CHARACTERISTICS**

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

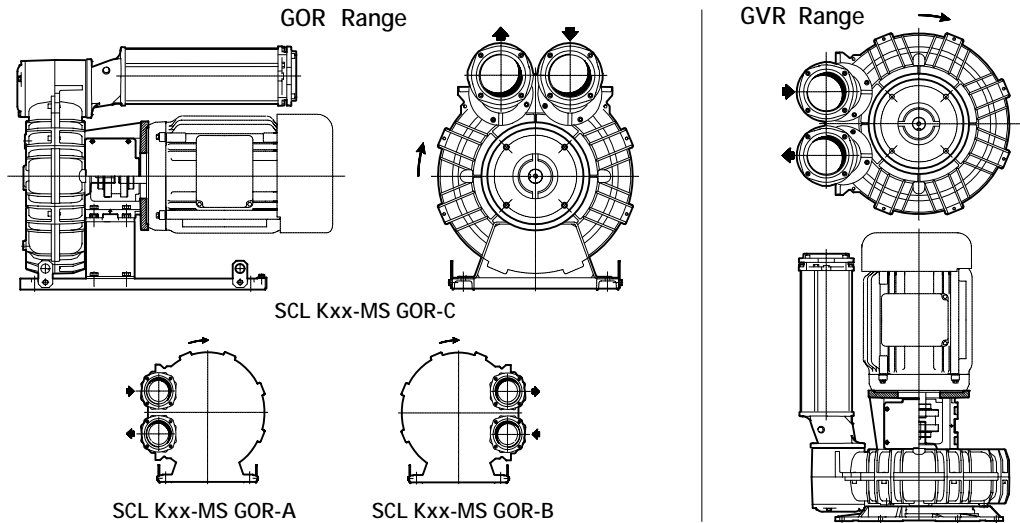
ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

For dimensions, please refer to drw:

GOR range: SI 1873

GVR range: SI 1920

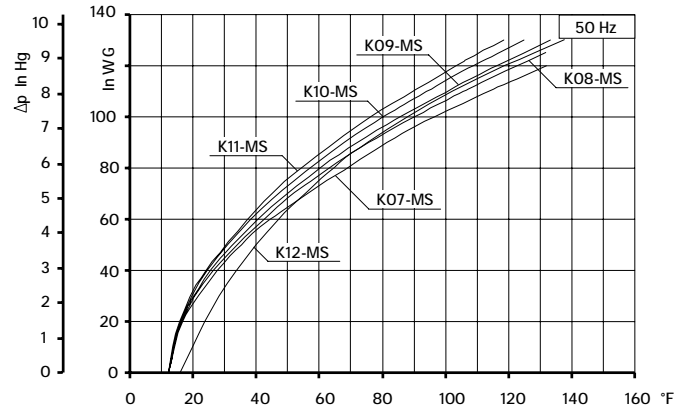
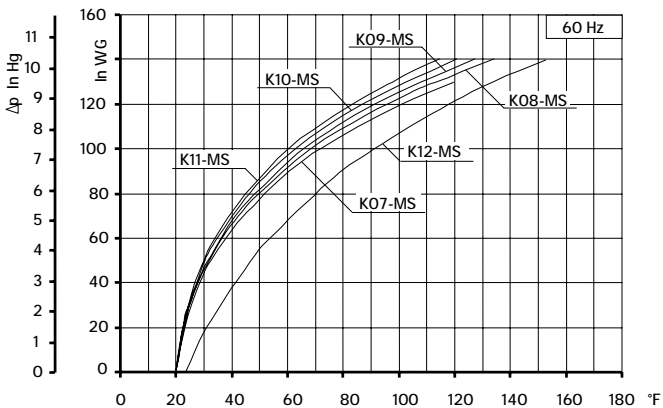
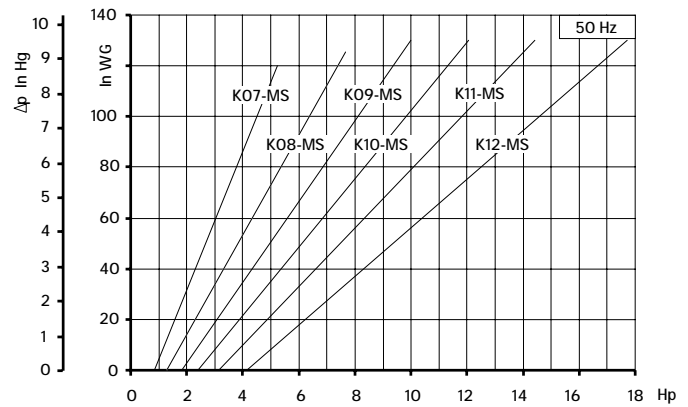
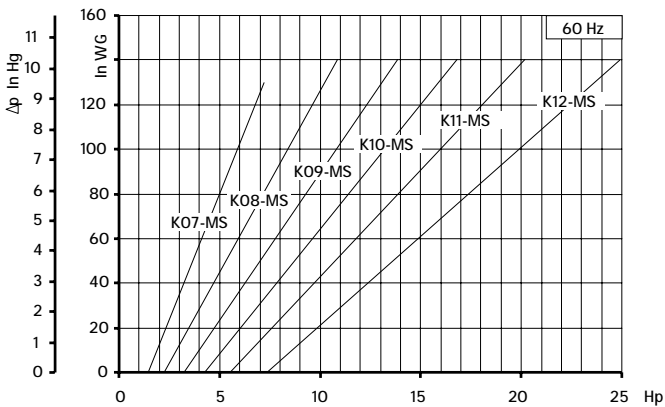
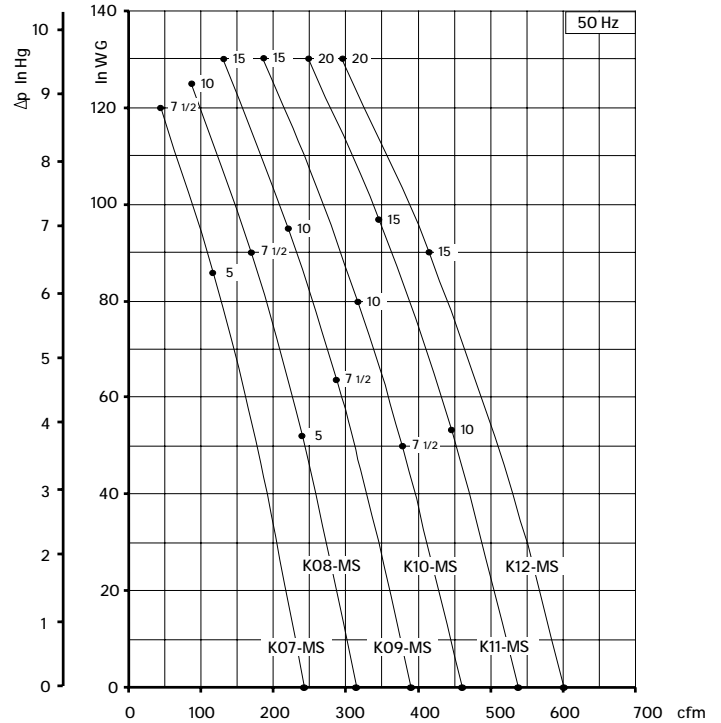
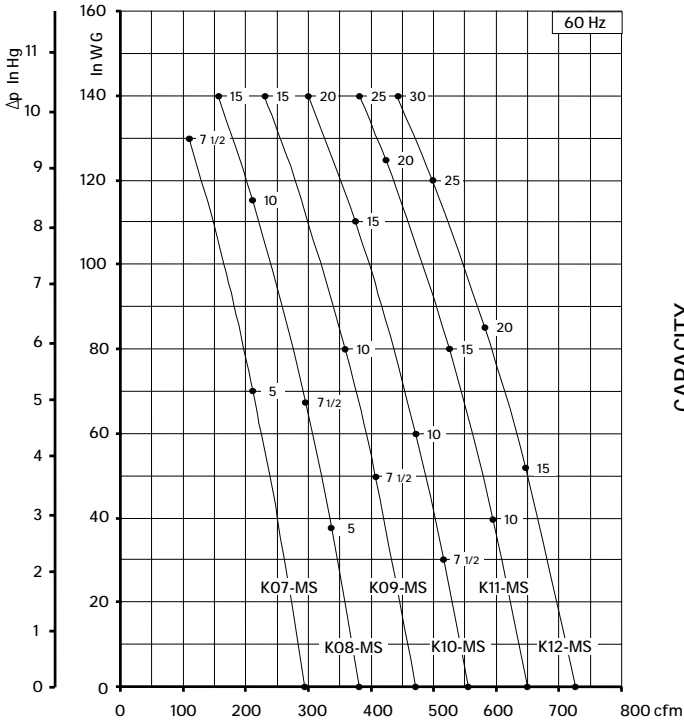


| Model | Maximum flow cfm | | Installed power Hp | Size | Maximum differential pressure Δp (in Hg) | | Noise level Lp dB (A) (1) | | Weight (2) Lbs |
|--------|---------------------|-------------------|-----------------------|---------------|---|-------------------|---------------------------------|-------------------|----------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| | | | | | | | | | |
| K07-MS | 294 | 243 | 5 | NEMA 182-4TC | 5.1 | 6.3 | 78.0 | 76.0 | 110.50 |
| | | | 7 1/2 | NEMA 182-4TC | 9.6 | 8.8 | 78.3 | 76.3 | 110.50 |
| | | | | NEMA 213-5TC | | | | | 110.50 |
| K08-MS | 381 | 316 | 5 | NEMA 182-4TC | 2.8 | 3.8 | 78.8 | 76.8 | 127.00 |
| | | | 7 1/2 | NEMA 182-4TC | 5.0 | 6.6 | 79.1 | 77.1 | 127.00 |
| | | | | NEMA 213-5TC | | | | | 127.00 |
| | | | 10 | NEMA 213-5TC | 8.5 | 9.2 | 79.4 | 77.4 | 127.00 |
| | | | 15 | NEMA 213-5TC | 10.3 | | 79.7 | | 127.00 |
| | | | | NEMA 254-6TC | | | 130.60 | | |
| K09-MS | 471 | 390 | 7 1/2 | NEMA 182-4TC | 3.7 | 4.6 | 79.3 | 77.3 | 133.40 |
| | | | | NEMA 213-5TC | | | | | 133.40 |
| | | | 10 | NEMA 213-5TC | 5.9 | 7.0 | 79.6 | 77.6 | 133.40 |
| | | | 15 | NEMA 213-5TC | 10.3 | 80.1 | 78.1 | 133.40 | |
| | | | | NEMA 254-6TC | | 80.4 | | 137.00 | |
| K10-MS | 556 | 460 | 7 1/2 | NEMA 182-4TC | 2.2 | 3.7 | 79.4 | 77.4 | 147.30 |
| | | | | NEMA 213-5TC | | | | | 147.30 |
| | | | 10 | NEMA 213-5TC | 4.4 | 5.9 | 79.7 | 77.7 | 147.30 |
| | | | 15 | NEMA 213-5TC | 8.1 | 9.6 | 80.2 | 78.2 | 147.30 |
| | | | | NEMA 254-6TC | | | | | 151.00 |
| 20 | NEMA 254-6TC | 10.3 | 80.5 | 151.00 | | | | | |
| K11-MS | 650 | 539 | 10 | NEMA 213-5TC | 2.9 | 3.9 | 82.0 | 80.0 | 170.00 |
| | | | 15 | NEMA 213-5TC | 5.9 | 7.1 | 82.5 | 80.5 | 170.00 |
| | | | | NEMA 254-6TC | | | | | 176.40 |
| | | | 20 | NEMA 254-6TC | 9.2 | 9.6 | 83.0 | 81.0 | 176.40 |
| 25 | NEMA 284-6TSC | 10.3 | 83.8 | 170.00 | | | | | |
| K12-MS | 726 | 602 | 15 | NEMA 213-5TC | 3.8 | 6.6 | 83.5 | 81.5 | 177.70 |
| | | | | NEMA 254-6TC | | | | | 184.10 |
| | | | 20 | NEMA 254-6TSC | 6.3 | 9.6 | 84.3 | 82.3 | 184.10 |
| | | | 25 | NEMA 284-6TSC | 8.8 | | 87.2 | | 177.70 |
| | | | 30 | NEMA 284-6TSC | 10.3 | | 87.6 | | 177.70 |

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

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



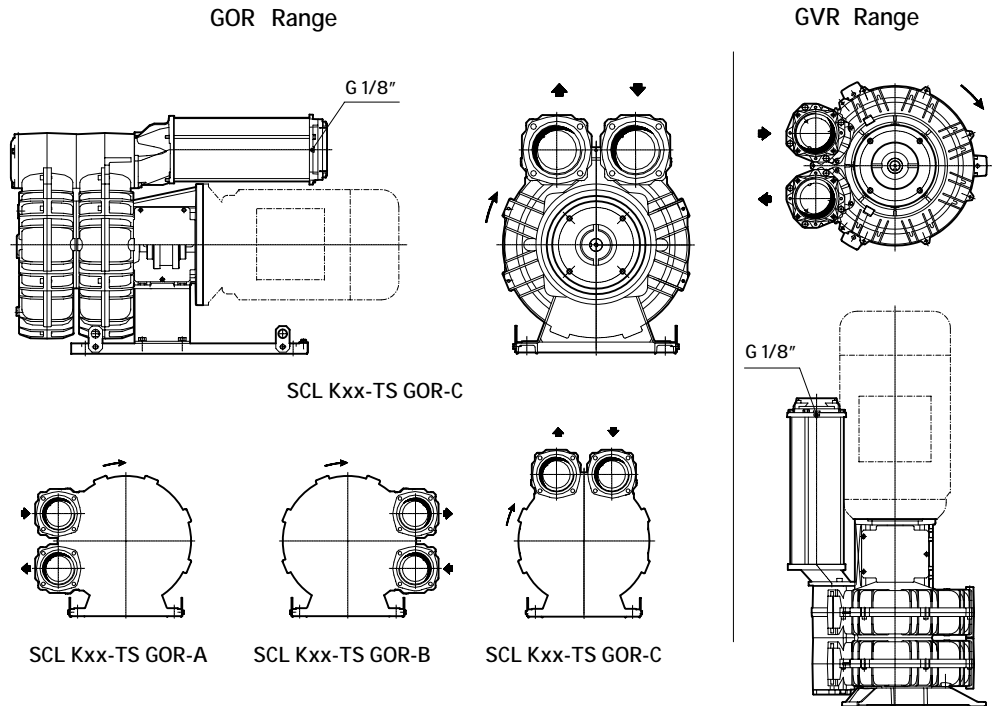
Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any plane
- G1/8" female thread on both suction and discharge silencer port flanges.

OPTIONS

- Special voltages (IEC 38)
- Surface treatments



For dimensions, please refer to drw:

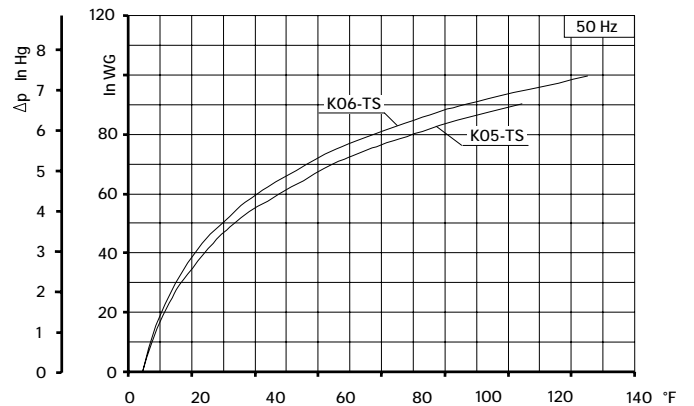
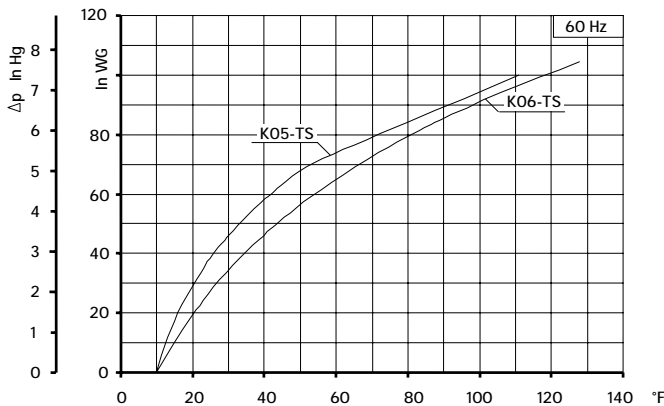
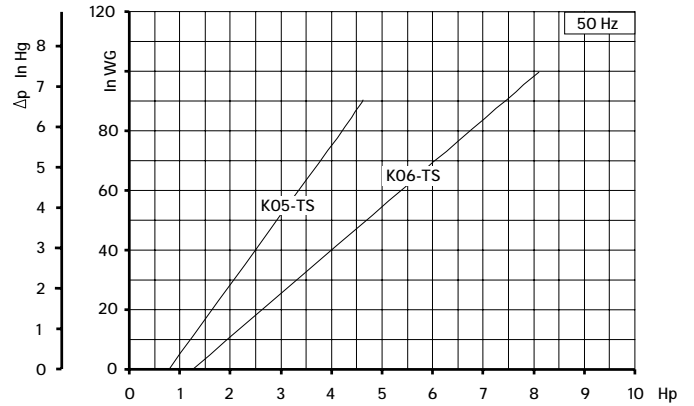
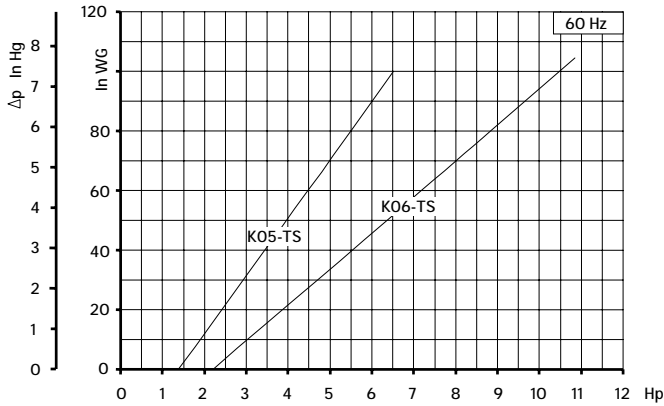
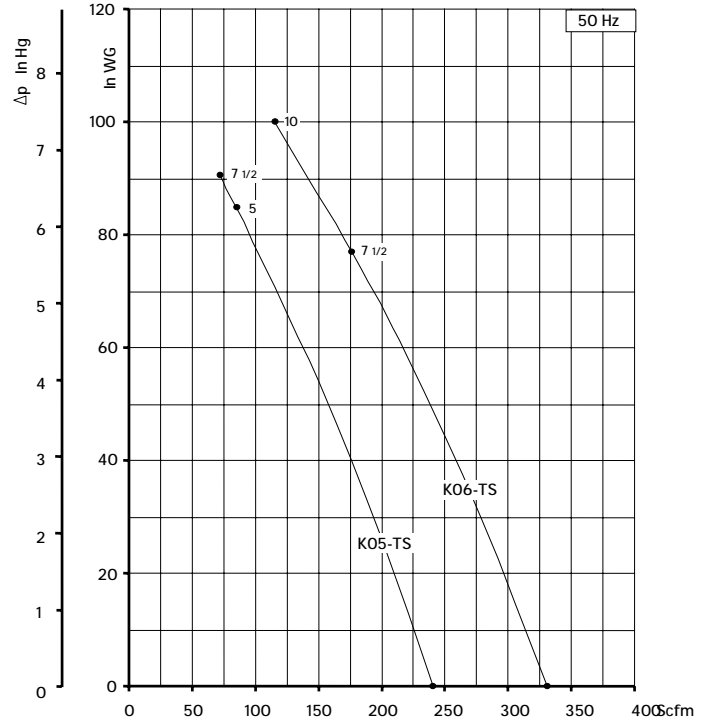
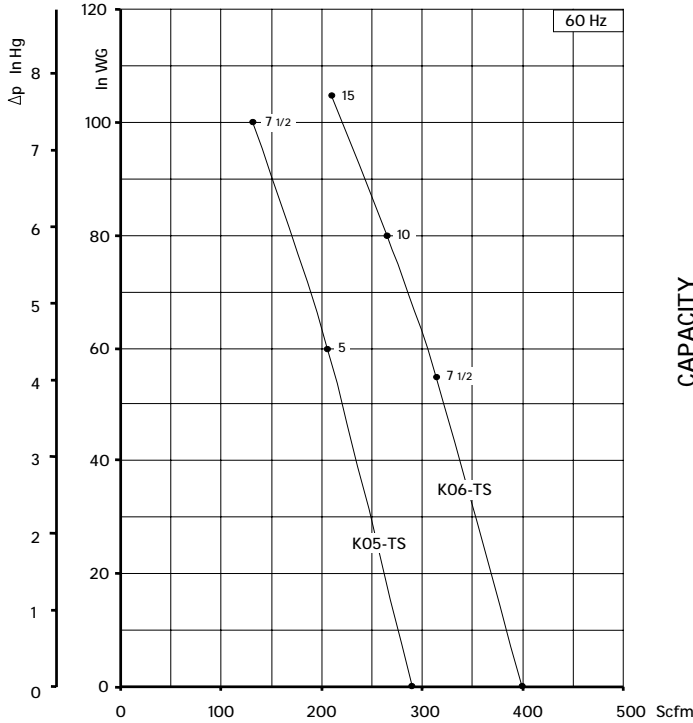
- GOR range: SI 21 23
- GVR range: SI 21 35

| Model | Maximum flow m ³ /h | | Installed power Hp | Size | Maximum differential pressure Δp (in Hg) | | Noise level Lp dB (A) (1) | | Weight (2) | |
|--------|-----------------------------------|-------------------|-----------------------|--------------|---|-------------------|---------------------------------|-------------------|---------------|--------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | Lbs | |
| | | | | | | | | | GOR | GVR |
| K05-TS | 290 | 241 | 5.0 | NEMA 182-4TC | 4.4 | 6.3 | 75.1 | 73.1 | 72.75 | 68.35 |
| | | | 7.5 | | 7.4 | 6.7 | 77.1 | 75.1 | | |
| K06-TS | 400 | 331 | 7.5 | NEMA 213-5TC | 4.1 | 5.7 | 77.1 | 75.1 | 112.45 | 108.00 |
| | | | 10 | | 5.9 | 7.4 | 77.4 | 75.4 | | |
| | | | 15 | | 7.8 | | 78.0 | 76.0 | | |

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

(2) Value is referred to weight of the machine without electric motor.

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 20°C temperature, measured at inlet port and 1013 mbar (abs) atmospheric backpressure.
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- G1/8" female thread on both suction and discharge silencer port flanges

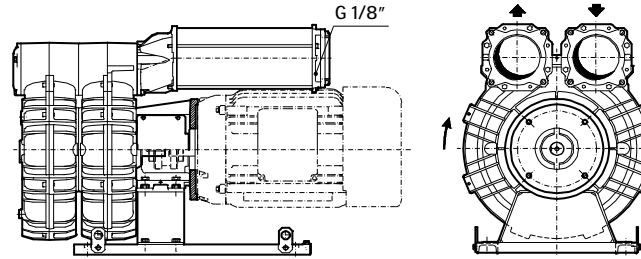
OPTIONS

- Special voltages (IEC 38)
- Surface treatments

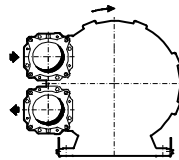
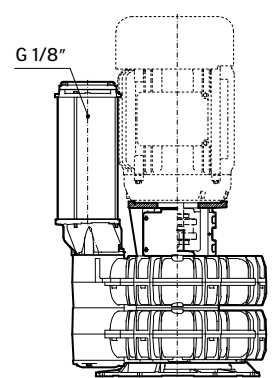
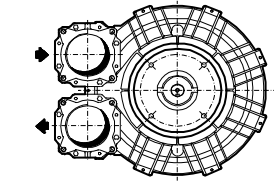
ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

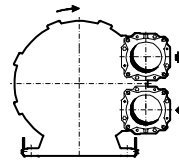
For dimensions, please refer to drw:

GOR range: SI 1879
GVR range: SI 1880
GOR RANGE


SCL Kxx-TS GOR-C

GVR RANGE


SCL Kxx-TS GOR-A



SCL Kxx-TS GOR-B

| Model | Maximum flow cfm | | Installed power Hp | Size | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Weight (2) Lbs |
|--------|---------------------|-------------------|--------------------------|-------------------|---|-------------------|---------------------------------|-------------------|----------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| K07-TS | 588 | 487 | 7 1/2 | NEMA 182-4TC | 2.6 | 4.4 | 84.5 | 82.5 | 160.90 |
| | | | | NEMA 213-5TC | 2.6 | 4.4 | 84.5 | 82.5 | 160.90 |
| | | | 10 | NEMA 213-5TC | 4.4 | 6.6 | 84.8 | 82.8 | 160.90 |
| | | | 15 | NEMA 213-5TC | 8.1 | 8.1 | 85.4 | 83.4 | 160.90 |
| | | | | NEMA 254-6TC (3) | 8.1 | 8.1 | 85.4 | 83.4 | 167.60 |
| 20 | NEMA 254-6TC (3) | 8.8 | 8.1 | 85.9 | 83.4 | 167.60 | | | |
| K08-TS | 715 | 592 | 10 | NEMA 213-5TC | 2.7 | 4.7 | 81.2 | 79.2 | 172.00 |
| | | | 15 | NEMA 213-5TC | 5.5 | 7.7 | 82.9 | 80.9 | 172.00 |
| | | | | NEMA 254-6TC (3) | 5.5 | 7.7 | 82.9 | 80.9 | 180.80 |
| | | | 20 | NEMA 254-6TC (3) | 7.4 | 8.8 | 84.8 | 80.8 | 180.80 |
| 25 | NEMA 284-6TSC (3) | 9.6 | 8.8 | 87.0 | 80.8 | 174.20 | | | |
| K09-TS | 941 | 780 | 15 | NEMA 213-5TC | 3.8 | 5.5 | 82.2 | 80.2 | 202.80 |
| | | | | NEMA 254-6TC (3) | 3.8 | 5.5 | 82.2 | 80.2 | 208.30 |
| | | | 20 | NEMA 254-6TC (3) | 5.9 | 7.9 | 84.1 | 82.1 | 208.30 |
| | | | 25 | NEMA 284-6TSC (3) | 8.1 | 8.8 | 86.1 | 84.1 | 205.00 |
| | | | 30 | NEMA 284-6TSC (3) | 8.8 | 8.8 | 88.1 | 84.1 | 205.00 |
| 40 | NEMA 324-6TSC (3) | 9.6 | 8.8 | 90.1 | 84.1 | 220.50 | | | |
| K10-TS | 1093 | 906 | 15 | NEMA 213-5TC | 3.0 | 4.7 | 89.1 | 87.1 | 209.40 |
| | | | | NEMA 254-6TC (3) | 3.0 | 4.7 | 89.1 | 87.1 | 216.10 |
| | | | 20 | NEMA 254-6TC (3) | 4.8 | 6.6 | 89.4 | 87.4 | 216.10 |
| | | | 25 | NEMA 284-6TSC (3) | 5.9 | 8.1 | 89.7 | 87.7 | 211.60 |
| | | | 30 | NEMA 284-6TSC (3) | 7.4 | 9.6 | 90.0 | 88.0 | 211.60 |
| 40 | NEMA 324-6TSC (3) | 10.3 | 9.6 | 90.3 | 88.0 | 227.10 | | | |
| K11-TS | 1254 | 1039 | 25 | NEMA 284-6TSC | 3.7 | 6.5 | 90.7 | 88.7 | 251.30 |
| | | | 30 | NEMA 284-6TSC | 5.1 | 8.1 | 91.3 | 89.3 | 251.30 |
| | | | 40 | NEMA 324-6TSC (3) | 7.4 | 9.6 | 91.9 | 89.9 | 269.00 |
| | | | 50 | NEMA 324-6TSC (3) | 10.3 | 9.6 | 92.5 | 89.9 | 269.00 |
| K12-TS | 1410 | 1168 | 30 | NEMA 284-6TSC | 3.3 | 5.9 | 91.9 | 89.9 | 249.10 |
| | | | 40 | NEMA 324-6TSC (3) | 5.2 | 8.8 | 92.5 | 90.5 | 266.80 |
| | | | 50 | NEMA 324-6TSC (3) | 8.1 | - | 93.1 | - | 266.80 |

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

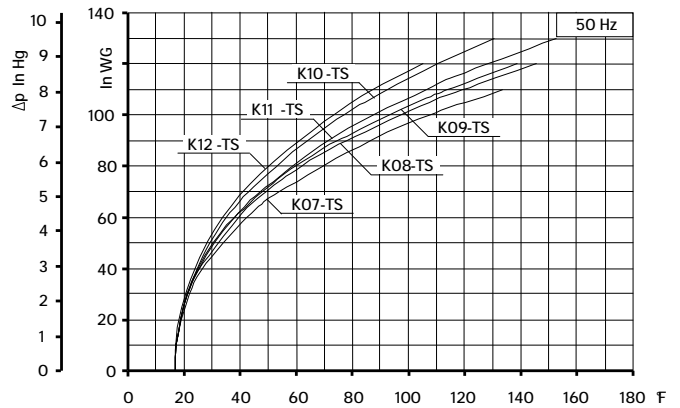
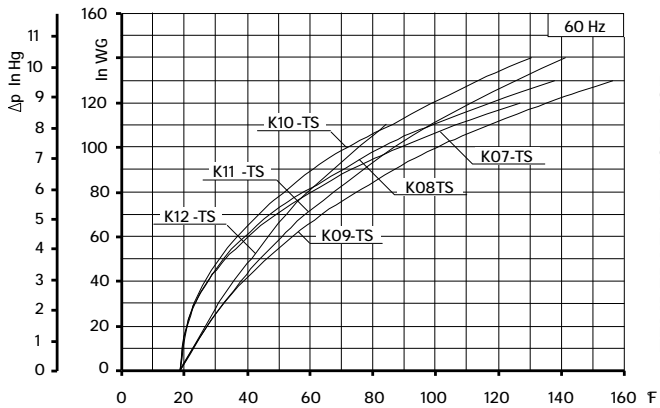
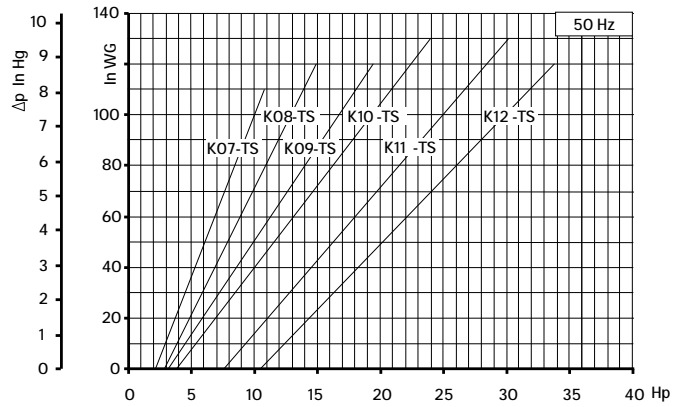
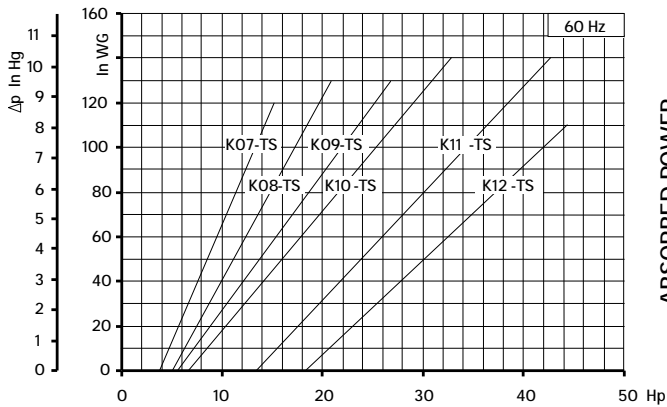
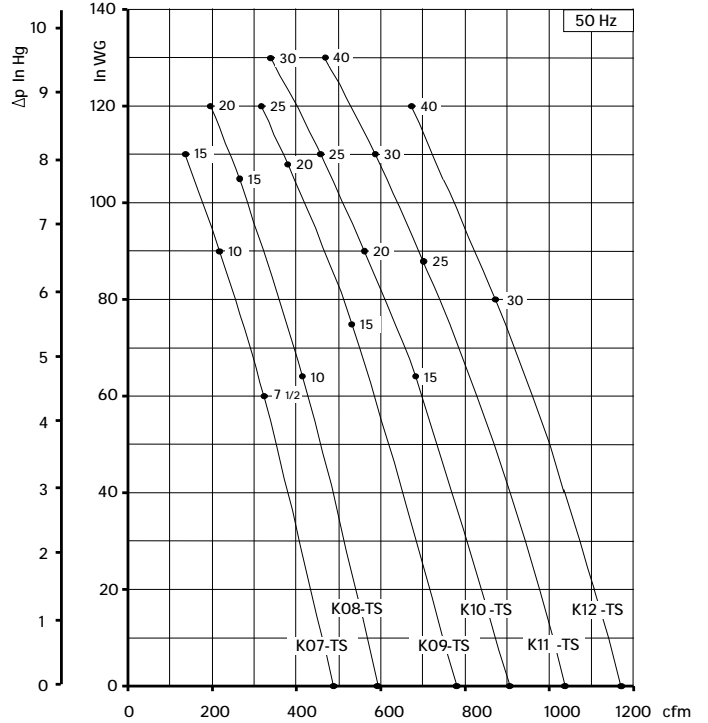
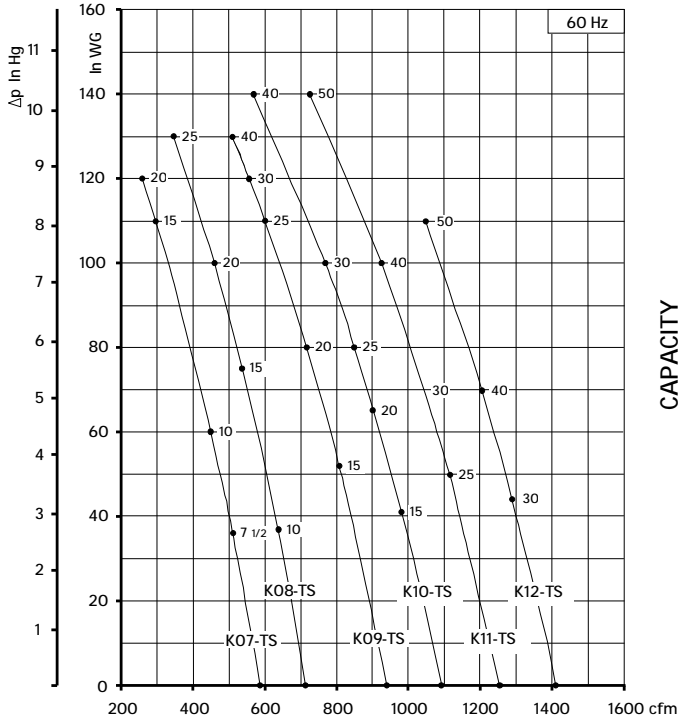
(2) Value is referred to weight of the machine without electric motor

(3) Not applicable on SCL Kxx - GVR

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.

- Specifications subject to change without notice.

- Ambient temperature from +5° to +104°F.



Curves refer to air at 68°F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

**TECHNICAL
CHARACTERISTICS**

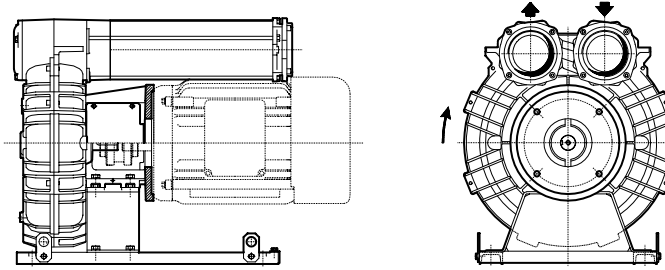
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position

OPTIONS

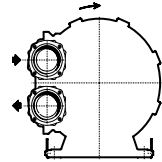
- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

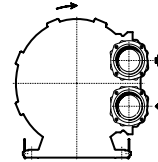
- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

GOR Range


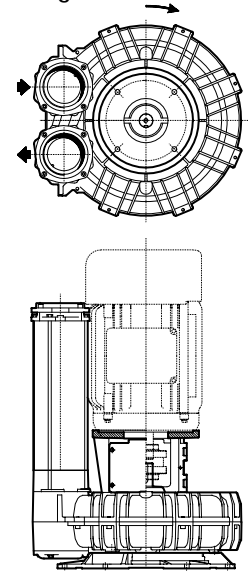
SCL Kxx-MD GOR-C



SCL Kxx-MD GOR-A



SCL Kxx-MD GOR-B

GVR Range


For dimensions, please refer to drw:

GOR range: SI 1918

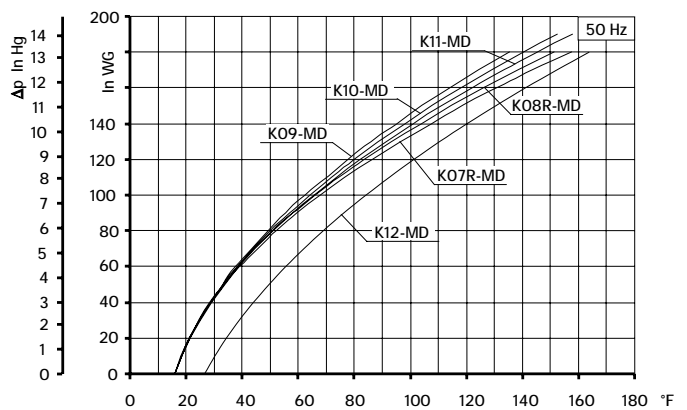
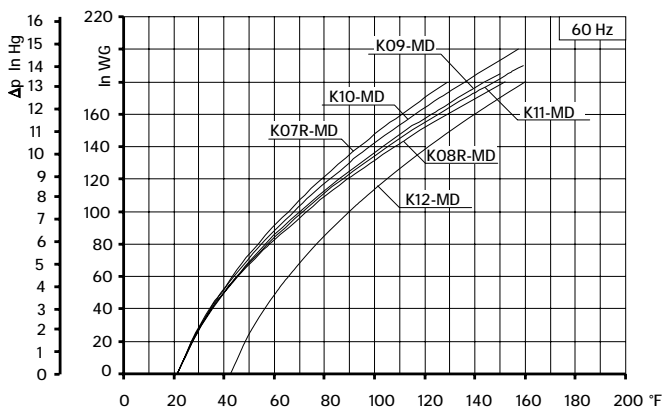
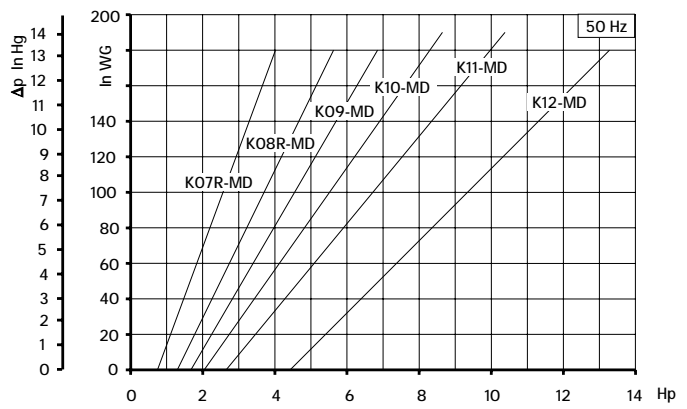
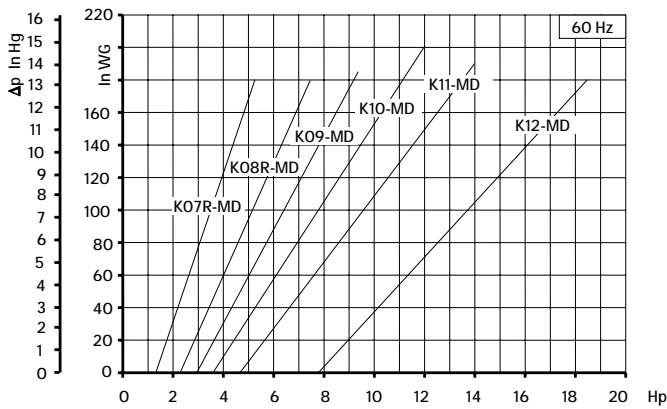
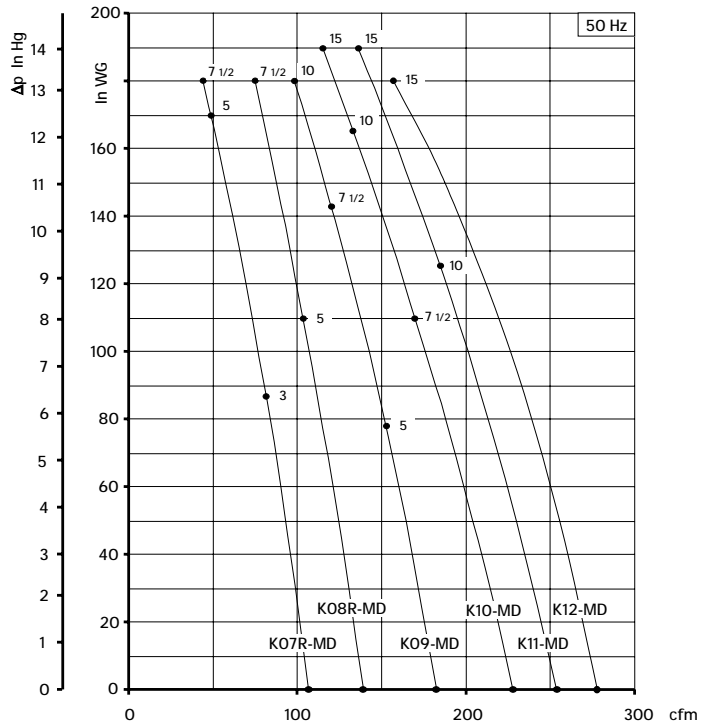
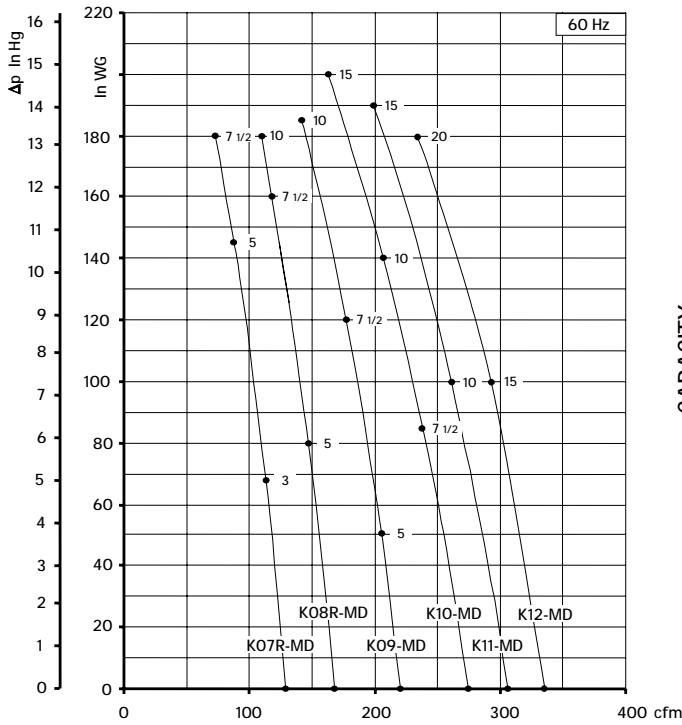
GVR range: SI 1919

| Model | Maximum flow cfm | | Installed power Hp | Size | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) ⁽¹⁾ | | Weight ⁽²⁾ Lbs |
|---------|-------------------|-------------------|--------------------|------------------------------|--|-------------------|--------------------------------------|-------------------|------------------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| K07R-MD | 129 | 107 | 3 | NEMA 56C | 5.0 | 6.4 | 72.5 | 70.5 | 112.00 |
| | | | | NEMA 143-5TC | | | | | 112.00 |
| | | | 5 | NEMA 182-4TC | 10.7 | 12.5 | 73.5 | 71.5 | 113.80 |
| | | | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 13.2 | 13.2 | 74.0 | 72.0 | 113.80 113.80 |
| K08R-MD | 168 | 139 | 5 | NEMA 182-4TC | 5.9 | 8.1 | 75.7 | 73.7 | 130.30 |
| | | | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 11.9 | 13.2 | 76.1 | 74.1 | 130.30 130.30 |
| | | | 10 | NEMA 213-5TC | 13.2 | - | 76.5 | - | 130.30 |
| | | | | | | | | | |
| K09-MD | 221 | 183 | 5 | NEMA 182-4TC | 3.7 | 5.7 | 76.4 | 74.4 | 138.50 |
| | | | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 8.8 | 10.5 | 77.5 | 75.5 | 138.50 138.50 |
| | | | 10 | NEMA 213-5TC | 13.6 | 13.2 | 79.0 | 77.0 | 138.50 |
| | | | | | | | | | |
| K10-MD | 275 | 228 | 7 1/2 | NEMA 182-4TC NEMA 213-5TC | 6.3 | 8.1 | 80.4 | 78.4 | 125.40 152.40 |
| | | | 10 | NEMA 213-5TC | 10.3 | 12.1 | 80.7 | 78.7 | 152.40 |
| | | | 15 | NEMA 213-5TC | 14.7 | 14.0 | 81.3 | 79.3 | 152.40 |
| | | | | | | | | | |
| K11-MD | 306 | 254 | 10 | NEMA 213-5TC | 7.4 | 9.2 | 80.7 | 78.7 | 175.70 |
| | | | 15 | NEMA 213-5TC NEMA 254-6TC | 14.0 | 14.0 | 81.3 | 79.3 | 175.70 182.10 |
| | | | | | | | | | |
| K12-MD | 336 | 278 | 15 | NEMA 213-5TC NEMA 254-6TC | 7.4 | 13.2 | 82.2 | 80.2 | 183.40 189.80 |
| | | | 20 | NEMA 254-6TC | 13.2 | - | 82.5 | - | 189.80 |
| | | | | | | | | | |

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

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
 Values for flow, power consumption and temperature rise: +/-10% tolerance.
 Data subject to change without notice.

TECHNICAL CHARACTERISTICS

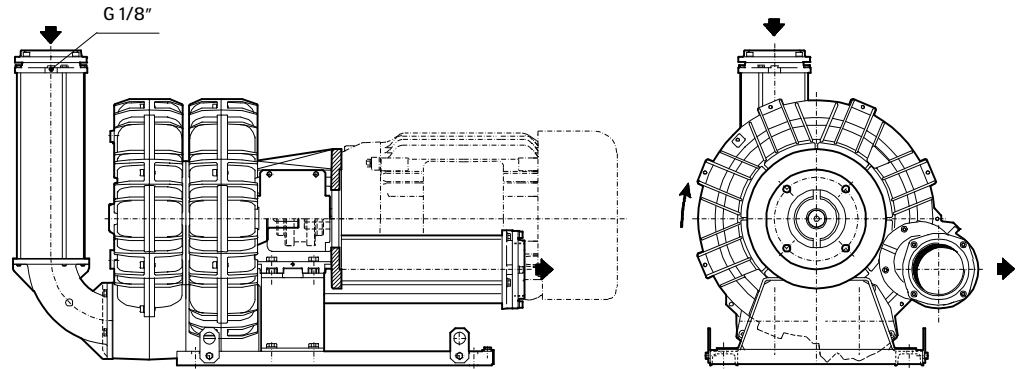
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors



For dimensions, please refer to drw: SI1971

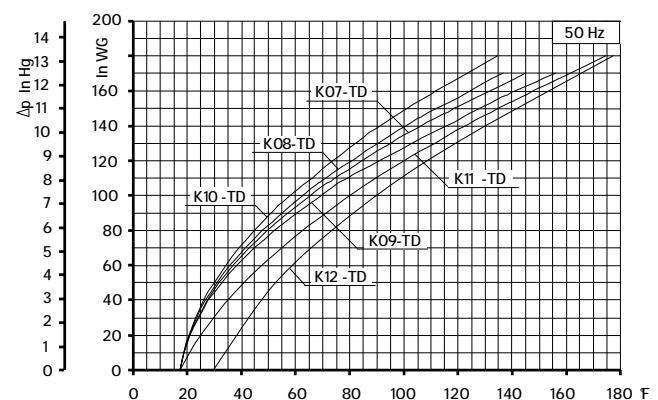
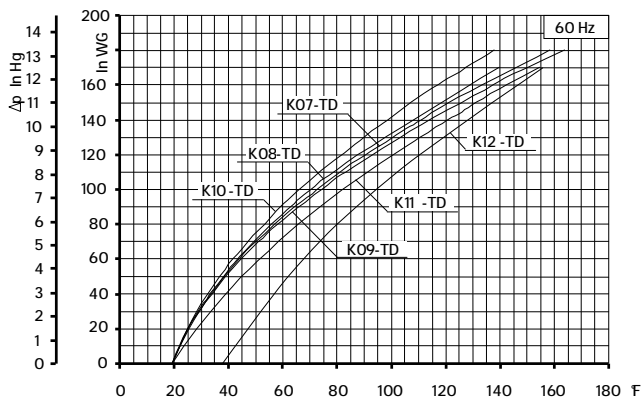
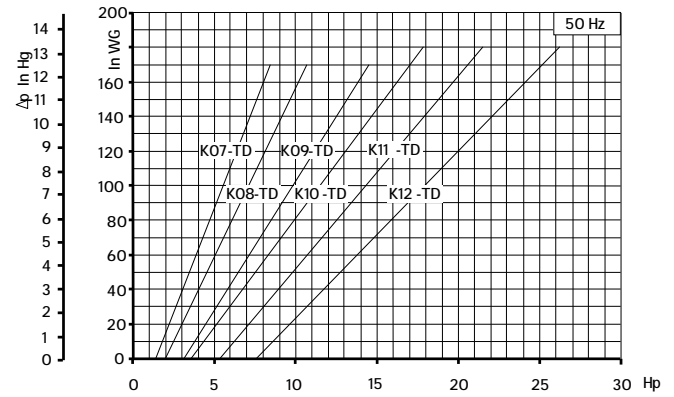
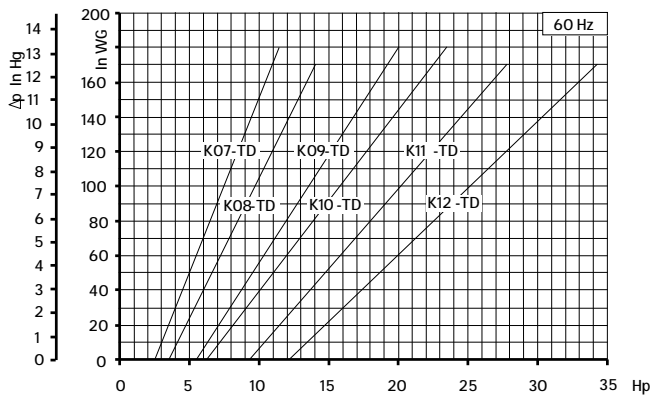
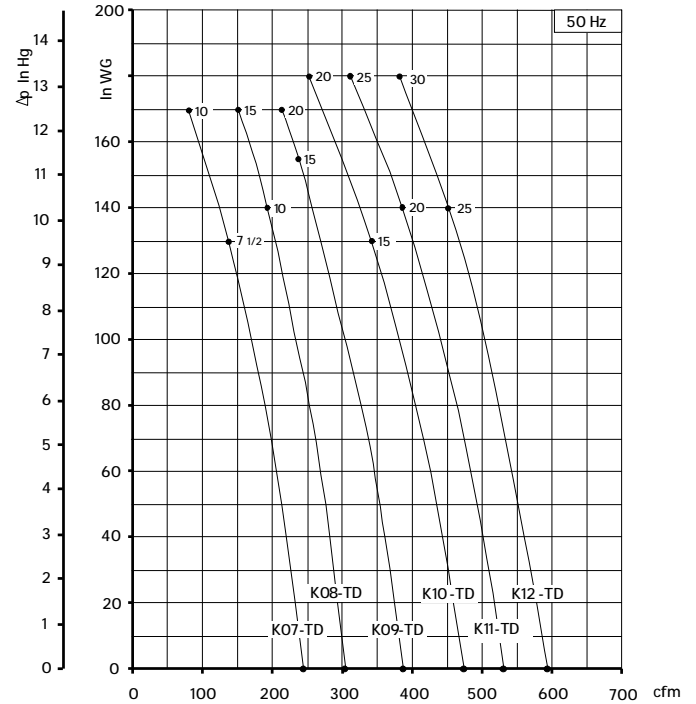
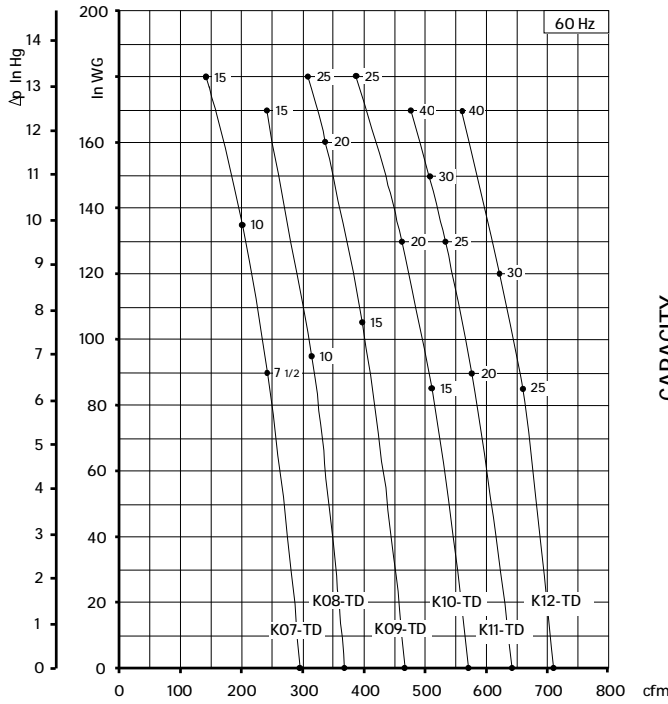
| Model | Maximum flow cfm | | Installed power Hp | Size | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) ⁽¹⁾ | | Weight ⁽²⁾ Lbs |
|--------|-------------------|-------------------|--------------------|---------------|--|-------------------|--------------------------------------|-------------------|------------------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| K07-TD | 296 | 245 | 7 1/2 | NEMA 182-4TC | 6.6 | 9.6 | 78.6 | 76.6 | 156.50 |
| | | | | NEMA 213-5TC | | | | | |
| | | | 10 | NEMA 213-5TC | 9.9 | 12.5 | 78.9 | 76.9 | |
| | | | 15 | NEMA 254-6TC | | | | | |
| K08-TD | 368 | 305 | 10 | NEMA 213-5TC | 7.0 | 10.3 | 79.3 | 77.3 | 169.80 |
| | | | 15 | NEMA 213-5TC | 12.5 | 12.5 | 79.9 | 77.9 | 169.80 |
| | | | | NEMA 254-6TC | | | | | 178.60 |
| K09-TD | 467 | 387 | 15 | NEMA 213-5TC | 7.7 | 11.4 | 82.2 | 80.2 | 196.20 |
| | | | | NEMA 254-6TC | | | | | 201.70 |
| | | | 20 | NEMA 254-6TC | 11.7 | 12.5 | 82.5 | 80.5 | 201.70 |
| | | | 25 | NEMA 284-6TSC | 13.2 | | | | 82.8 |
| K10-TD | 571 | 473 | 15 | NEMA 213-5TC | 6.3 | 9.6 | 85.9 | 83.9 | 202.80 |
| | | | | NEMA 254-6TC | | | | | 209.50 |
| | | | 20 | NEMA 254-6TC | 9.6 | 13.2 | 86.2 | 84.2 | 209.50 |
| | | | 25 | NEMA 284-6TSC | 13.2 | | | | 86.5 |
| K11-TD | 642 | 532 | 20 | NEMA 254-6TC | 6.6 | 10.3 | 86.7 | 84.7 | 246.80 |
| | | | 25 | NEMA 284-6TSC | 9.6 | 13.2 | 87.2 | 85.2 | 244.70 |
| | | | 30 | NEMA 284-6TSC | 11.0 | | | | 87.7 |
| | | | 40 | NEMA 324-6TSC | 12.5 | 88.1 | 264.50 | | |
| K12-TD | 716 | 593 | 25 | NEMA 284-6TSC | 6.3 | 10.3 | 87.5 | 85.5 | 242.5 |
| | | | 30 | NEMA 284-6TSC | 8.8 | 13.2 | 88.0 | 86.0 | 242.5 |
| | | | 40 | NEMA 324-6TSC | 12.5 | - | 88.4 | - | 262.3 |

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

(2) Value is referred to weight of the machine without electric motor

- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

SCL K07 / K08 / K09 / K10 / K11 / K12
TD SERIES - GOR RANGE
SN 2180-4 2/2



Curves refer to air at 68°F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.

TECHNICAL CHARACTERISTICS

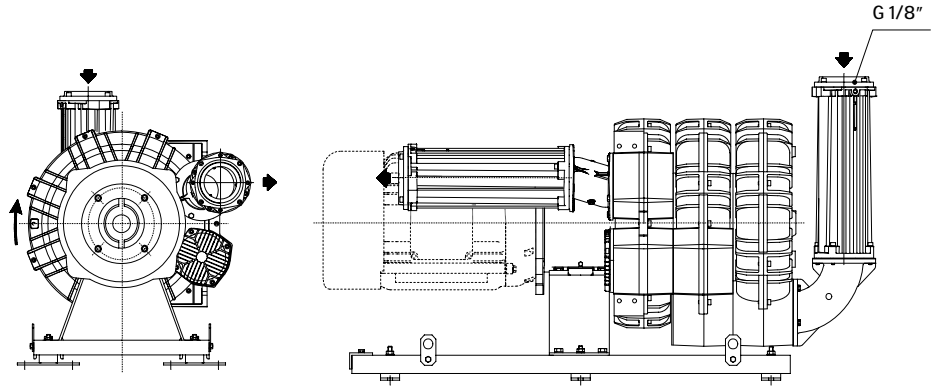
- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- G1/8" female thread on both suction and discharge silencer port flanges

OPTIONS

- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Optional connectors



For dimensions, please refer to drw:
 SI 21 80

| Model | Maximum flow cfm | | Installed power Hp | Size | Maximum differential pressure Δp (In Hg) | | Noise level Lp dB (A) (1) | | Weight (2) Lbs |
|--------|---------------------|-------------------|-----------------------|---------------|---|-------------------|---------------------------------|-------------------|----------------------|
| | 60 Hz 3500 rpm | 50 Hz 2900 rpm | | | 60 Hz 3500 rpm | 50 Hz 2900 rpm | 60 Hz 3500 rpm | 50 Hz 2900 rpm | |
| | K09-TT | 423 | | | 351 | 25 30 | NEMA 284-6TSC | 12.5 15.5 | |
| K10-TT | 526 | 436 | 25 | NEMA 284-6TSC | - | 14.7 | - | 85.5 | 365 |
| | | | 30 | NEMA 284-6TSC | 13.2 | 16.2 | 87.8 | 85.8 | |
| | | | 40 | NEMA 324-6TSC | 16.2 | - | 88.1 | - | |
| K11-TT | 597 | 495 | 30 | NEMA 284-6TSC | - | 14.7 | - | 85.8 | 430 |
| | | | 40 | NEMA 324-6TSC | 17.0 | 17.0 | 88.1 | 86.1 | 434 |

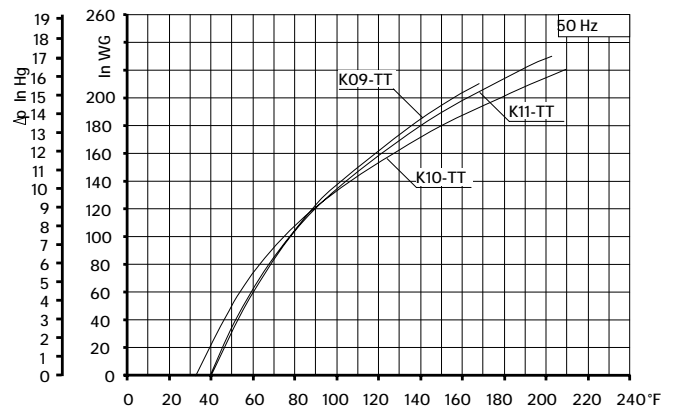
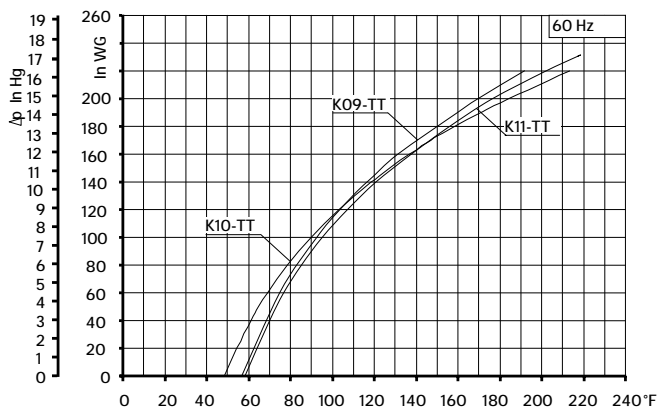
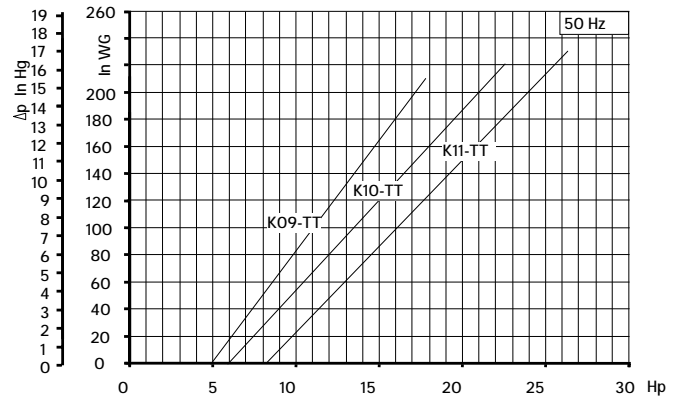
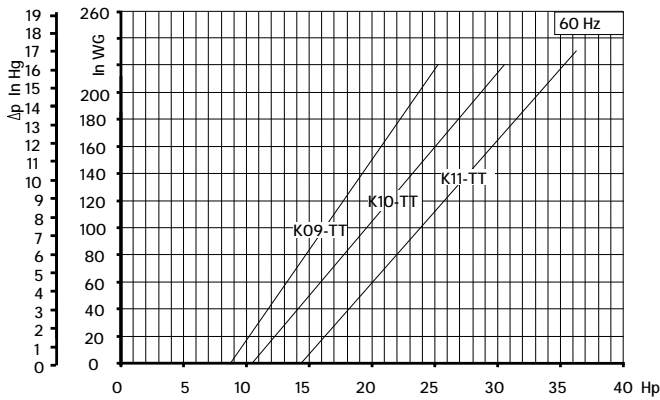
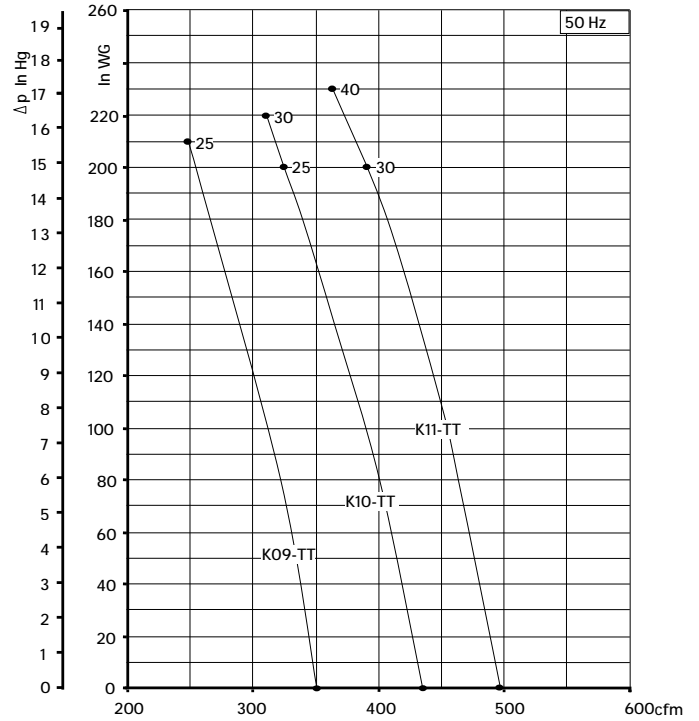
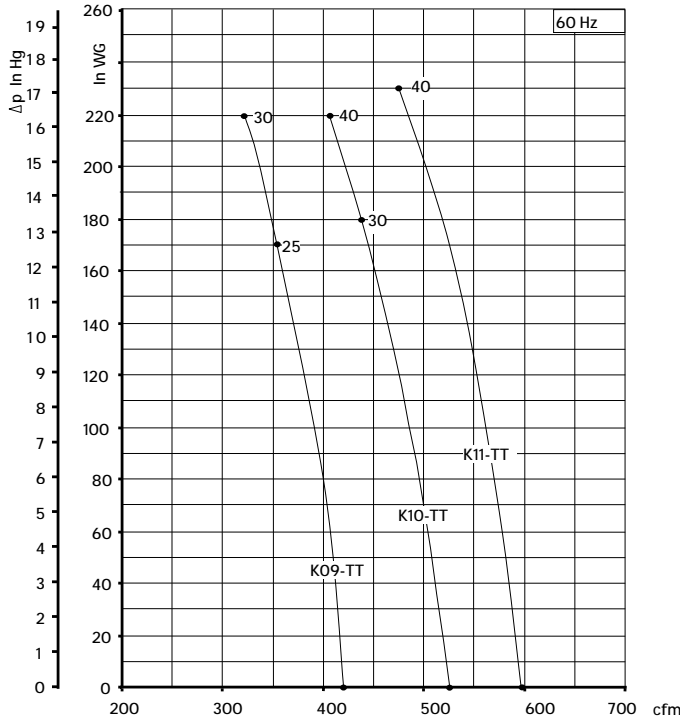
(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

(2) Value is referred to weight of the machine without electric motor

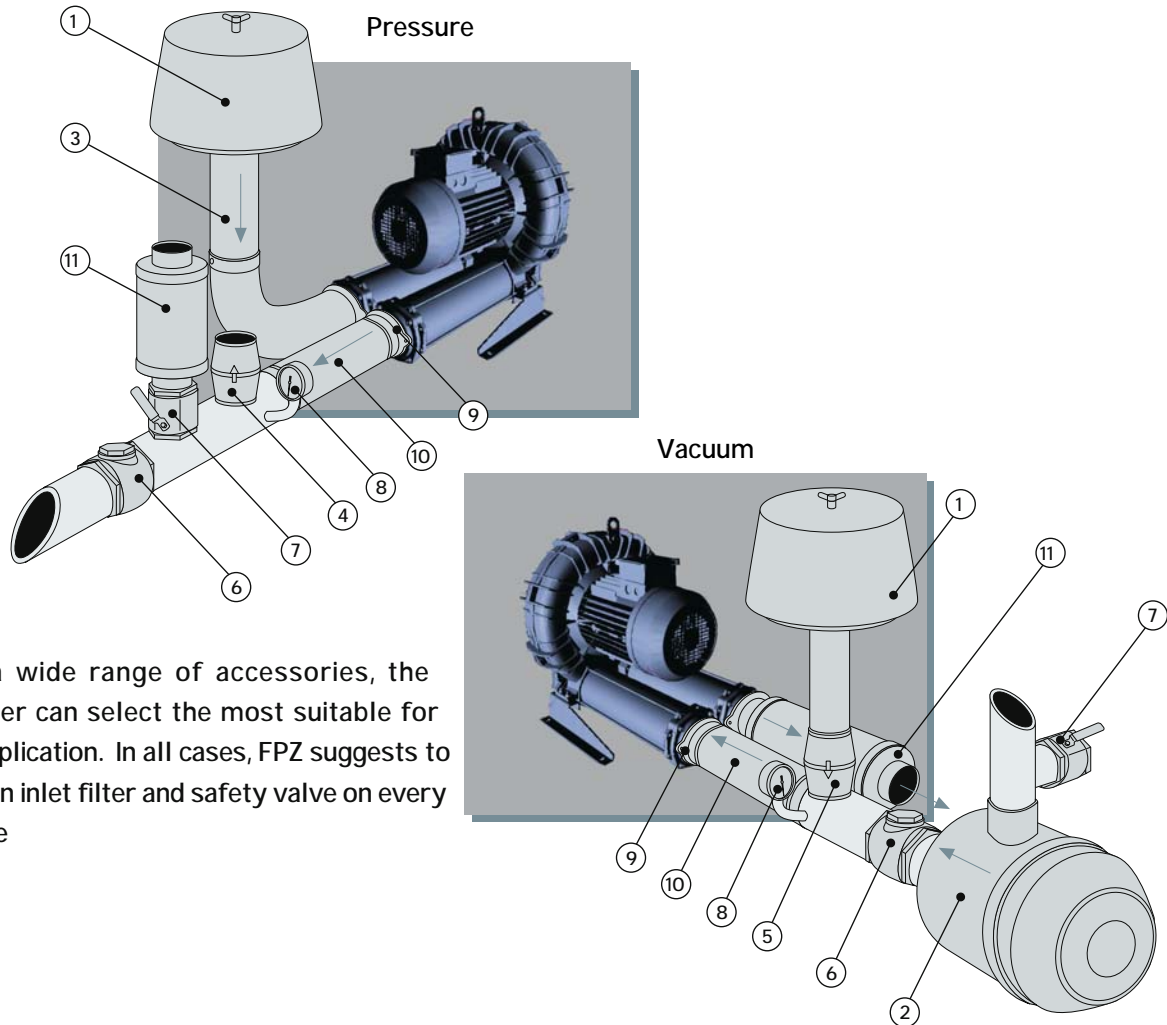
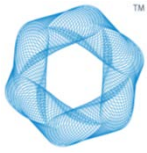
- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

SCL K09 / K10 / K11
TT SERIES - GOR RANGE

SN 2784-4 2/2

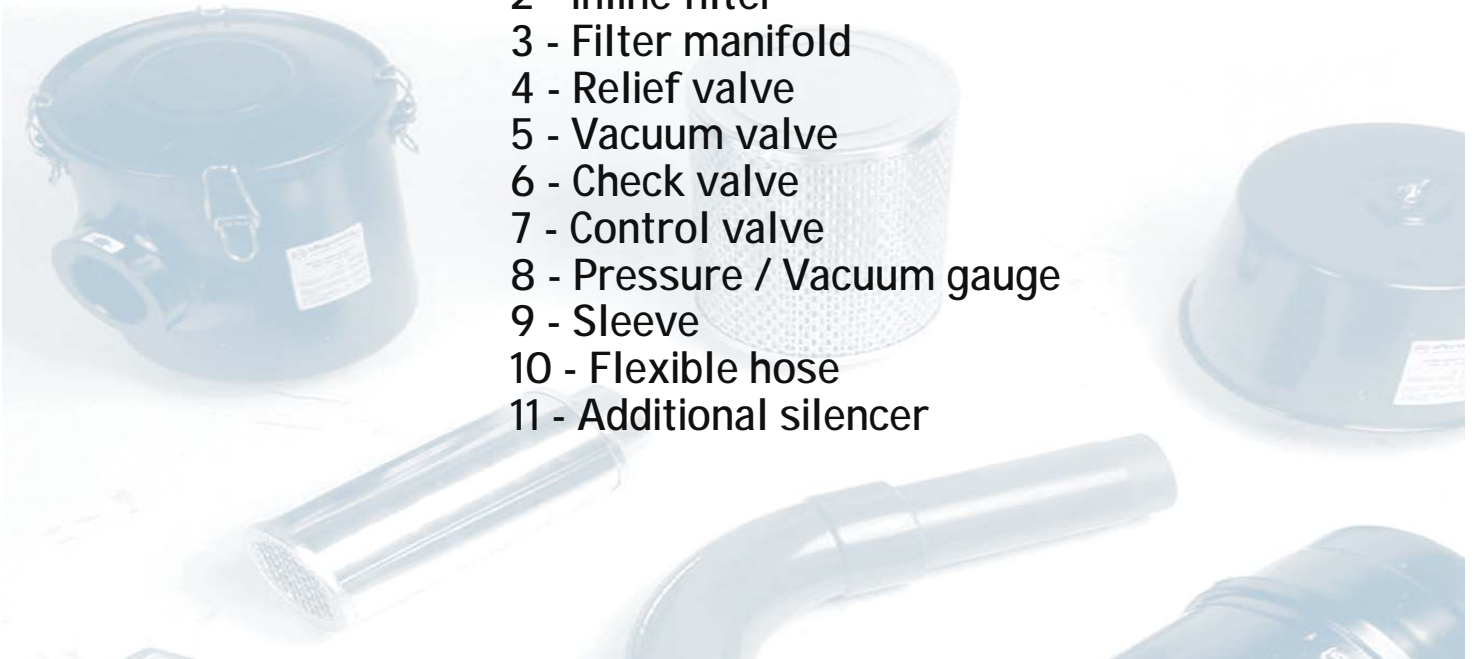


- Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
- Values for flow, power consumption and temperature rise: +/-10% tolerance.
- Data subject to change without notice.



From a wide range of accessories, the customer can select the most suitable for their application. In all cases, FPZ suggests to install an inlet filter and safety valve on every machine

- 1 - Cartridge filter
- 2 - Inline filter
- 3 - Filter manifold
- 4 - Relief valve
- 5 - Vacuum valve
- 6 - Check valve
- 7 - Control valve
- 8 - Pressure / Vacuum gauge
- 9 - Sleeve
- 10 - Flexible hose
- 11 - Additional silencer



The following table is a guide to select the appropriate safety valve. The selections in the table are based on blowers operating at 60 Hz - for 50 hz applications refer to the safety valve data sheets. To select the appropriate safety valve, determine the blower model, horsepower, and whether it is to be used for vacuum or pressure service. If it is desirable to have the valve activate at lower pressures than the maximum rated pressure or vacuum of the blower, a different safety valve might be required (refer to safety valve data sheets). In some cases, two valves are required. FPZ valves are supplied uncalibrated. All safety valves include detailed instructions on how to calibrate and install the valve.

| Single Stage Blowers | | | |
|----------------------|-------|---------------------|-----------------------|
| Model | HP | Safety Valve Vacuum | Safety Valve Pressure |
| K03-MS | 3/4 | VRL6 | VRL6 |
| K04-MS | ALL | VRL6 | VRL6 |
| K05-MS | ALL | VRL6 | VRL6 |
| K06-MS | 3 | VRL6 | VRL8 |
| K06-MS | 4 | VRL6 | VRL6 |
| K06-MS | 5 1/2 | VRL6 | VRL6 |
| K06-MS | 6 1/5 | VRL6 | VRL6 |
| K07-MS | 4 | VRL8 | VRL8 |
| K07-MS | 5 1/2 | VRL6 | VRL8 |
| K07-MS | 7 1/2 | VRL6 | VRL6 |
| K07-MS | 10 | VRL6 | VRL6 |
| K08-MS | 5.5 | VRL8 | VRL9 |
| K08-MS | 7 1/2 | VRL8 | VRL8 |
| K08-MS | 10 | VRL6 | VRL8 |
| K08-MS | 15 | VRL6 | VRL6 |
| K09-MS | 7 1/2 | VRL9 | VRL9 |
| K09-MS | 10 | VRL8 | VRL8 |
| K09-MS | 15 | VRL6 | VRL8 |
| K09-MS | 20 | VRL6 | VRL6 |
| K10-MS | 7 1/2 | VRL9 | VRL9 |
| K10-MS | 10 | VRL9 | VRL9 |
| K10-MS | 15 | VRL8 | VRL8 |
| K10-MS | 20 | VRL6 | VRL8 |
| K10-MS | 25 | - | VRL6 |
| K11-MS | 10 | VRL9 | VRL9 |
| K11-MS | 15 | VRL9 | VRL9 |
| K11-MS | 20 | VRL8 | VRL8 |
| K11-MS | 25 | VRL8 | VRL8 |
| K12-MS | 15 | VRL9 | VRL9 |
| K12-MS | 20 | VRL9 | VRL9 |
| K12-MS | 25 | VRL8 | VRL8 |
| K05-TS | ALL | VRL8 | VRL8 |
| K06-TS | 5 1/2 | VRL9 | VRL9 |
| K06-TS | 7 1/2 | VRL8 | VRL8 |
| K06-TS | 10 | VRL6 | VRL8 |
| K07-TS | 7 1/2 | VRL9 | VRL9 |
| K07-TS | 10 | VRL9 | VRL9 |
| K07-TS | 15 | VRL8 | VRL8 |
| K08-TS | 7 1/2 | N.A | N.A. |
| K08-TS | 10 | VRL9 | (2) VRL9 |
| K08-TS | 15 | VRL9 | VRL9 |
| K09-TS | 15 | (2) VRL9 | (2) VRL9 |
| K09-TS | 20 | VRL9 | VRL9 |
| K09-TS | 25 | VRL8 | VRL9 |
| K10-TS | 15 | (2) VRL9 | (2) VRL9 |
| K10-TS | 20 | (2) VRL9 | (2) VRL9 |
| K10-TS | 25 | VRL9 | VRL9 |
| K11-TS | 25 | (2) VRL9 | (2) VRL9 |
| K11-TS | 30 | (2) VRL9 | (2) VRL9 |
| K12-TS | 30 | (3) VRL9 | (3) VRL9 |

| Two Stage Blowers | | | |
|-------------------|-------|---------------------|-----------------------|
| Model | HP | Safety Valve Vacuum | Safety Valve Pressure |
| 15DH | ALL | VRL6 | VRL6 |
| R20-MD | ALL | VRL6 | VRL6 |
| 30DH | ALL | VRL6 | VRL6 |
| 40DH | ALL | VRL6 | VRL6 |
| K07-MD | 3 | VRL6 | VRL6 |
| K07-MD | 4 | VRL6 | VRL6 |
| K07-MD | 5 1/2 | VRL6 | VRL6 |
| K07-MD | 7 1/2 | VRL6 | VRL6-HP |
| K08-MD | 5 1/2 | VRL6 | VRL6 |
| K08-MD | 7 1/2 | VRL6 | VRL6 |
| K08-MD | 10 | VRL6 | VRL6 |
| K08-MD | 15 | - | VRL6-HP |
| K09-MD | 5 1/2 | VRL8 | VRL8 |
| K09-MD | 7 1/2 | VRL6 | VRL6 |
| K09-MD | 10 | VRL6 | VRL6 |
| K09-MD | 15 | - | VRL6-HP |
| K10-MD | 7 1/2 | VRL8 | VRL8 |
| K10-MD | 10 | VRL6 | VRL6 |
| K10-MD | 15 | VRL6 | VRL6 |
| K10-MD | 20 | - | VRL6-HP |
| K11-MD | 10 | VRL8 | VRL8 |
| K11-MD | 15 | VRL6 | VRL8 |
| K11-MD | 20 | VRL6 | VRL6-HP |
| K11-MD | 25 | - | VRL6-HP |
| K12-MD | 15 | VRL8 | VRL8 |
| K12-MD | 20 | VRL6 | VRL6 |
| K12-MD | 25 | - | VRL6-HP |
| K04-TD | 2 | VRL6 | VRL6 |
| K04-TD | 3 | VRL6 | VRL6 |
| K05-TD | 3 | VRL6 | VRL6 |
| K05-TD | 4 | VRL6 | VRL6 |
| K05-TD | 5 1/2 | VRL6 | VRL6 |
| K06-TD | 5 1/2 | VRL6 | VRL8 |
| K06-TD | 7 1/2 | VRL6 | VRL6 |
| K06-TD | 10 | VRL6 | VRL6 |
| K07-TD | 7 1/2 | VRL8 | VRL8 |
| K07-TD | 10 | VRL6 | VRL6 |
| K07-TD | 15 | VRL6 | VRL6 |
| K08-TD | 7 1/2 | VRL8 | VRL8 |
| K08-TD | 10 | VRL8 | VRL8 |
| K08-TD | 15 | VRL6 | VRL6 |
| K09-TD | 20 | VRL6 | VRL8 |
| K09-TD | 25 | VRL6 | VRL6 |
| K10-TD | 15 | VRL9 | VRL9 |
| K10-TD | 20 | VRL8 | VRL8 |
| K10-TD | 25 | VRL6 | VRL8 |
| K11-TD | 20 | VRL9 | VRL9 |
| K11-TD | 25 | VRL8 | VRL8 |
| K12-TD | 25 | VRL9 | VRL9 |
| K12-TD | 30 | VRL8 | VRL8 |

Valve selections are based on 60 Hz operation and refer to air having a density equal to 0.075 lbs / cu. Ft and inlet temperature of 68 deg F. Data is subject to change without notice.

The VRL valves are designed to protect blowers and / or motors from over pressurization or excess vacuum. When there is over pressurization, the valve opens and discharges to the outside. When there is excess in vacuum, the valve opens and takes flow from outside.

The valves have been designed for low pressure / low vacuum, with minimal difference between the initial value at which the valve begins to open and its fully opened position. The valves are supplied with 2 different springs to maximize their efficiency.

These compact valves, made of aluminum alloy, are both easy to install and calibrate. The valves are designed to operate in a wide range of capacities. The VRL can be plumbed to divert excess primary flow through a secondary external outlet when working in pressure conditions or to pipe in a secondary flow when working in vacuum.

Maximum efficiency is achieved by keeping operating values (flow versus pressure or vacuum) within the operating range (shaded area on graph). Capacity refers to air having a density equal to 0.075 lbs./cu.ft .

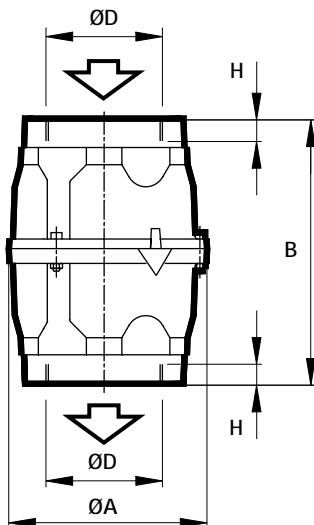
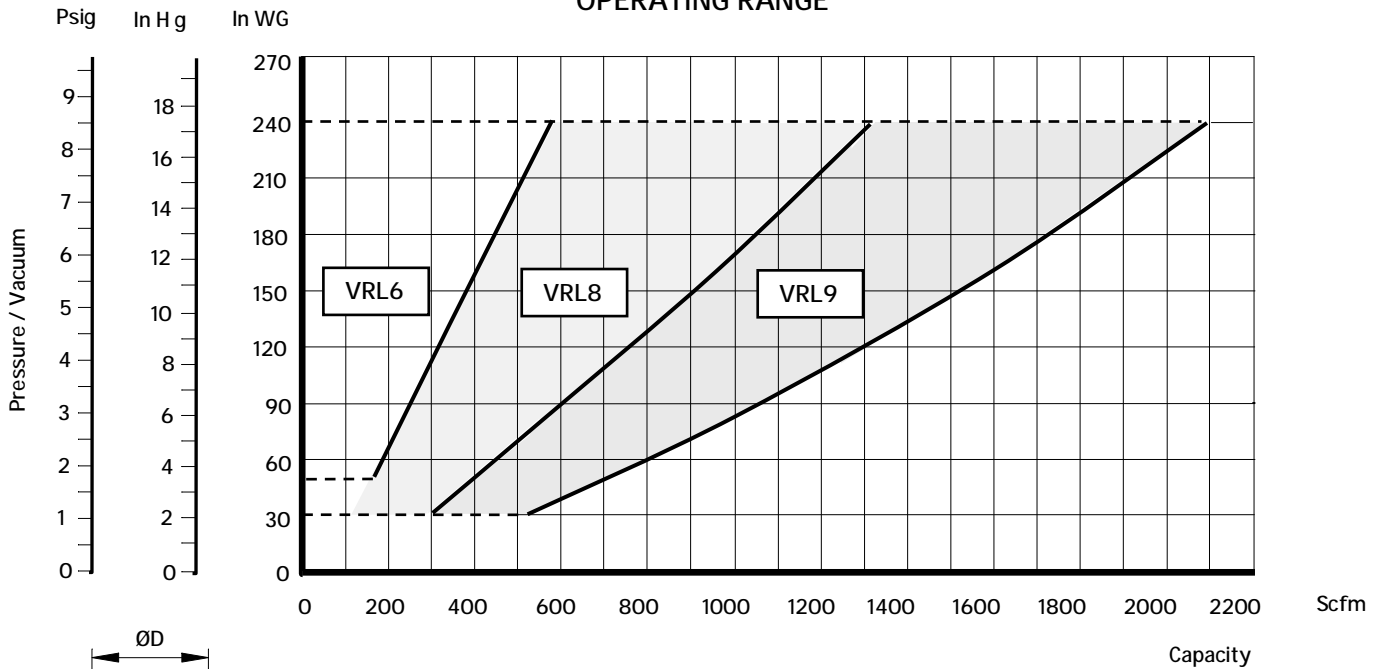


VRL6

VRL8

VRL9

OPERATING RANGE



OVERALL DIMENSIONS

| TYPE | ND | D | A | B | H | WEIGHT (Lbs) |
|------|----|--------|------|------|------|--------------|
| VRL6 | 2" | 2" NPT | 4.02 | 6.90 | 0.47 | 1.9 |
| VRL8 | 3" | 3" NPT | 5.31 | 7.48 | 0.59 | 4.2 |
| VRL9 | 4" | 4" NPT | 6.30 | 8.11 | 0.71 | 5.7 |

- Dimensions in inches.
- Specifications subject to change without prior notice.

High Pressure Safety Valves

SS1401

The VRL H.P. valves are designed to protect blowers and / or motors from over pressurization or excess vacuum. When there is over pressurization, the valve opens and discharges to the outside. When there is excess in vacuum, the valve opens and takes flow from outside.

The valve have been designed for low pressure / low vacuum, with minimal difference between the initial value at which the valve begins to open and its fully-opened position.

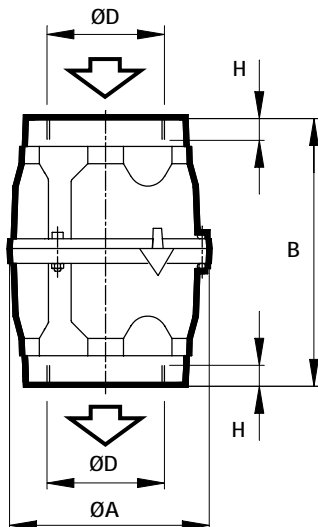
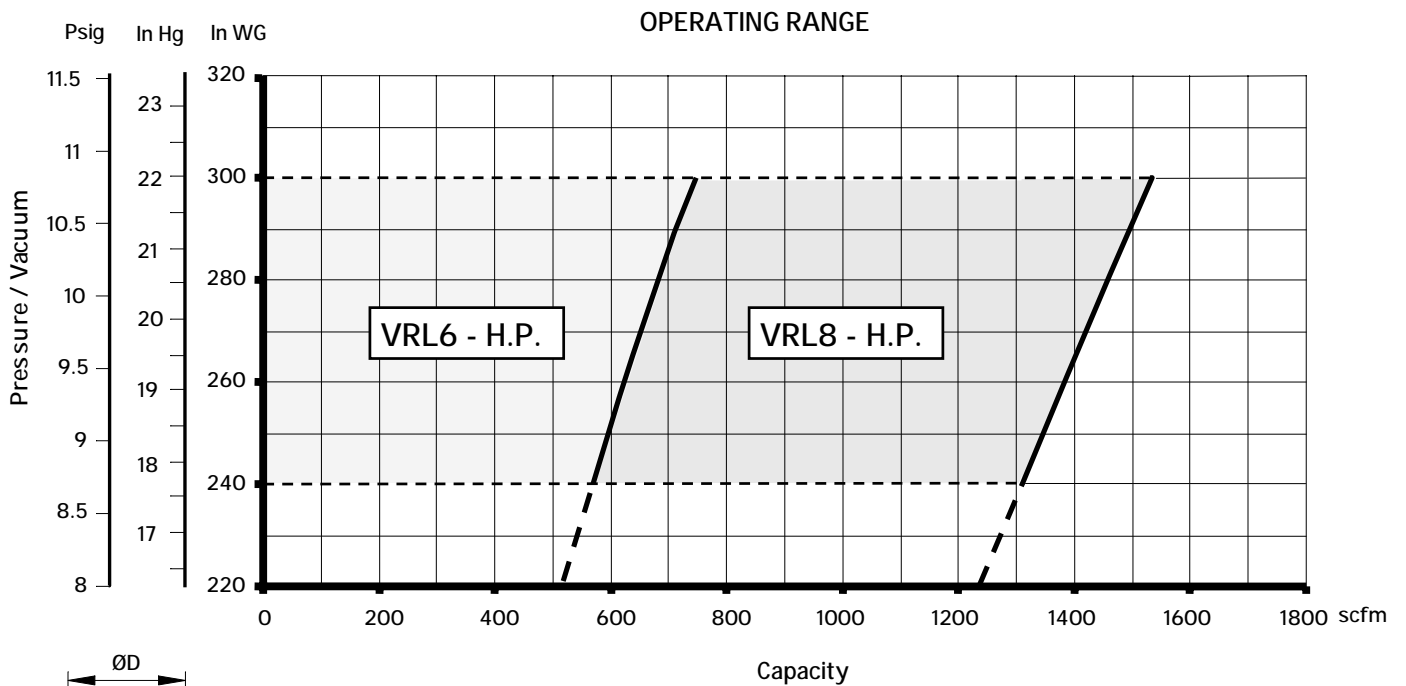
These compact valves, made of aluminum alloy, are both easy to install and calibrate. The valves are designed to operate in a wide range of capacities. The VRL H.P. can be plumbed to divert excess primary flow through a secondary external outlet when working in pressure conditions or to pipe-in a secondary flow when working in vacuum.

Maximum efficiency is achieved by keeping operating values (flow versus pressure or vacuum) within the operating range (shaded area on graph). Capacity refers to air having a density equal to 0.075 lbs./cu.ft .



VRL6 - H.P.

VRL8 - H.P.

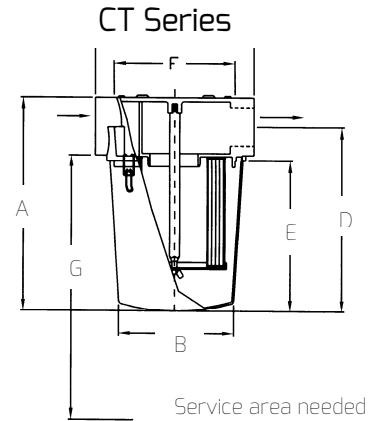
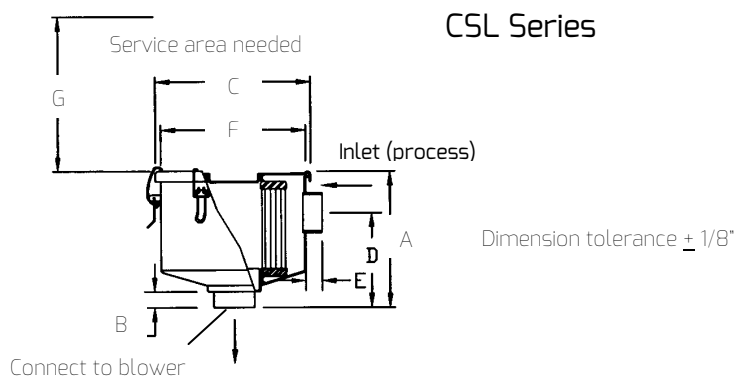


OVERALL DIMENSIONS

| TYPE | ND | D | A | B | H | WEIGHT (Lbs) |
|-------------|----|--------|------|------|------|--------------|
| VRL6 - H.P. | 2" | 2" NPT | 3.94 | 6.57 | 0.47 | 2.1 |
| VRL8 - H.P. | 3" | 3" NPT | 5.31 | 7.48 | 0.59 | 4.2 |

- Dimensions in inches.
- Specifications subject to change without prior notice.

FPZ inline filters are typically used in vacuum applications to prevent debris from entering the blower. Inline filters consist of a metal housing with a metal cover retained by quick - change clamps for easy servicing of the element. Polyester elements are recommended for humid applications.



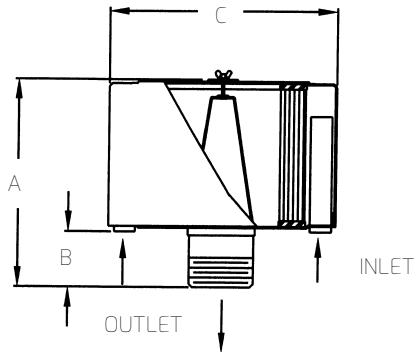
- ◆ Polyester: 99%+ removal efficiency standard to 5 micron
- ◆ Stainless steel torsion clips for durability
- ◆ Rugged all steel construction with Baked enamel finish
- ◆ Low pressure drop
- ◆ Positive sealing O-ring seal system
- ◆ Large dirt holding capacity and easy field cleaning, especially when mounted horizontally or inverted
- ◆ Fully-drawn one piece canister
- ◆ Filter change out differential: 10"-15" H₂O Over Initial Delta P

- ◆ Vacuum regulator & gauge available
- ◆ Various media available
- ◆ Epoxy coated housings
- ◆ Special connections
- ◆ Available in Stainless Steel
- ◆ Activated carbon prefilter to reduce odor
- ◆ Alternate Top-to-canister fastening system for low pressure or pulsating systems

| Polyester Element | NPT | DIMENSIONS (Inches) | | | | | | | Used on Models | Approx Wt. Lbs |
|-------------------|--------|------------------------|-------|--------|--------|--------|---------|-------|--|-------------------|
| | | A | B | C | D | E | F | G | | |
| CSL-843-050HC | 1/2" | 4 3/8 | 9/16 | 5 7/8 | 2 1/2 | 9/16 | 5 | 3 1/4 | 10DL | 3 |
| CSL-843-075HC | 3/4" | 4 3/8 | 9/16 | 5 7/8 | 2 1/2 | 9/16 | 5 | 3 1/4 | 15DH | 3 |
| CSL-843-100HC | 1" | 4 3/8 | 3/4 | 5 7/8 | 2 1/2 | 3/4 | 5 | 3 1/4 | 06 | 3 |
| CSL-843-125HC | 1 1/4" | 4 3/8 | 3/4 | 5 7/8 | 2 1/2 | 3/4 | 5 | 3 1/4 | K03-MS, R20-MD | 3 |
| CSL-849-150HC | 1 1/2" | 6 1/2 | 3/4 | 7 5/16 | 4 1/2 | 3/4 | 6 13/16 | 5 1/4 | K04-MS, K04-TD, 30DH, 40DH | 5 |
| CSL-851-200HC | 2" | 10 1/4 | 3/4 | 8 3/4 | 5 | 3/4 | 7 5/8 | 9 1/4 | K05-MS, K06-MS, K05-TD, K06-TD, K07R-MD, K08R-MD | 15 |
| CT-235P-300C | 3" | 18 13/16 | 9 7/8 | 13 1/2 | 16 4/5 | 13 1/8 | 10 | 14 | K05-TS, K06-TS, K07-MS, K08-MS, K07-TD, K08-TD | 30 |
| CT-235P-400C | 4" | 18 13/16 | 9 7/8 | 13 1/2 | 16 4/5 | 13 1/8 | 10 | 14 | K09-MS, K10-MS, K09-MD, K10-MD, K11-MD, K12-MD, K09-TD, K10-TD | 29 |
| CSL-335P-400* | 4" | 27 1/8 | 3 | 14 | 18 1/2 | 3 | 12 | 15 | K07-TS, K08-TS, K11-MS, K12-MS, K11-TD, K12-TD | 30 |
| CT-275P-500C | 5" | 18 1/4 | 16 | 19 | 14 3/8 | 9 7/8 | 14 3/4 | 20 | K09-TS, K10-TS | 50 |
| CTD-375P-500C | 5" | 25 3/8 | 16 | 19 | 21 1/2 | 17 | 14 3/4 | 35 | K11-TS, K12-TS | 60 |

* Male x male npt connections
 Dimensions for reference only

FPZ inlet filters are used for pressure applications. The inlet filters combine filtration and sound attenuation into a compact package. Inlet filters consist of a filter cartridge enclosed by a carbon steel weather hood. Elements are easily serviceable by simply removing the weather hood.

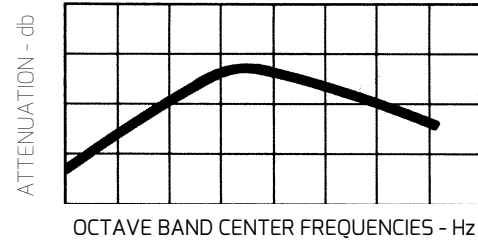


Dimension tolerance $\pm 1/8"$

FEATURES & SPECIFICATIONS

- Polyester: 99%+ removal efficiency standard to 5 micron
- Fully drawn weather hood - no welds to rust or vibrate apart
- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with baked enamel finish and powder coated weather hood
- Interchangeable elements: Polyester, Paper
- Low pressure drop center bracket and outlet pipe design
- Filter change out differential: 10"-15" H₂O Over Initial Delta P

TYPICAL NOISE ATTENUATION – FS SERIES



Noise attenuation may vary due to application

OPTIONS (Inquiries Encouraged)

- Various media available
- 1/8" & 1/4" tap holes
- Pressure Drop Indicator
- Available in Stainless Steel
- Epoxy coated housings
- Hot dipped galvanized housings
- Special connections, NPT

| Polyester Element | NPT | Dimensions (Inches) | | | Used on Models | Approx Wt. Lbs |
|-------------------|--------|---------------------|--------|----------|--|----------------|
| | | A | B | C | | |
| FS-15-050 | 1/2" | 4 | 1 1/2 | 6 | 10DL | 2 |
| FS-15-075 | 3/4" | 4 | 1 1/2 | 6 | 15DH | 2 |
| FS-15-100 | 1" | 4 | 1 1/2 | 6 | 06 | 2 |
| FS-19P-125 | 1 1/4" | 6 5/8" | 1 5/8" | 6 | K03-MS, R20-MD | 3 |
| FS-19P-150 | 1 1/2" | 6 5/8" | 1 5/8" | 6 | K04-MS, K04-TD, 30DH, 40DH | 4 |
| FS-31P-200 | 2" | 7 1/4" | 2 1/4" | 10 | K05-MS, K05-TD | 8 |
| FS-231P-200 | 2" | 12 1/4" | 2 1/4" | 10 | K06-MS, K06-TD, K07R-MD, K08R-MD | 14 |
| FS-231P-300 | 3" | 13" | 3" | 10" | K07-MS, K05-TS, K07-TD | 15 |
| FS-235P-300 | 3" | 13" | 3" | 16" | K08-MS, K06-TS, K08-TD | 29 |
| FS-235P-400 | 4" | 14" | 4" | 16" | K09-MS, K10-MS, K09-MD, K10-MD, K11-MD, K12-MD, K09-TD, K10-TD | 30 |
| FS-245P-400 | 4" | 14" | 4" | 16" | K07-TS, K08-TS, K11-MS, K12-MS, K11-TD, K12TD | 31 |
| FL10* | NA | 14 3/8" | 1 3/8" | 16 3/16" | K09-TS, K10-TS, K11-TS, K12-TS, | 18 |

*FL 10 utilizes 15 micron paper element and does not include tubular silencers

FEATURES

- ◆ Monitors Filter Continuously
- ◆ Easy Filter Maintenance
- ◆ Filter Element Life Maximized
- ◆ Downtime Reduced
- ◆ Graduated Restriction Readings

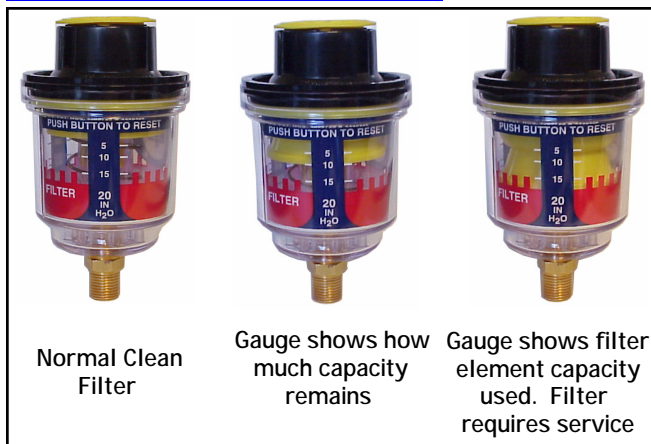
SPECIFICATIONS

The dirty filter indicator shows the amount of filter element restriction and how much life the element has left. This is a convenient and inexpensive solution to receiving the maximum usage from every element.

The yellow indicator in the filter monitor gauge drops as the dirt accumulates on the filter element. The element is ready for change out or servicing when the yellow indicator reaches the red zone. This allows you to determine the condition of the filter element even after the equipment has been shut down.

The element should be serviced or replaced at the maximum pressure drop of 10-15 inches of water. If the blower is operating at its maximum rated pressure, contact the factory for recommended setting.

GAUGE IN ACTION



Part No: VG-020-013

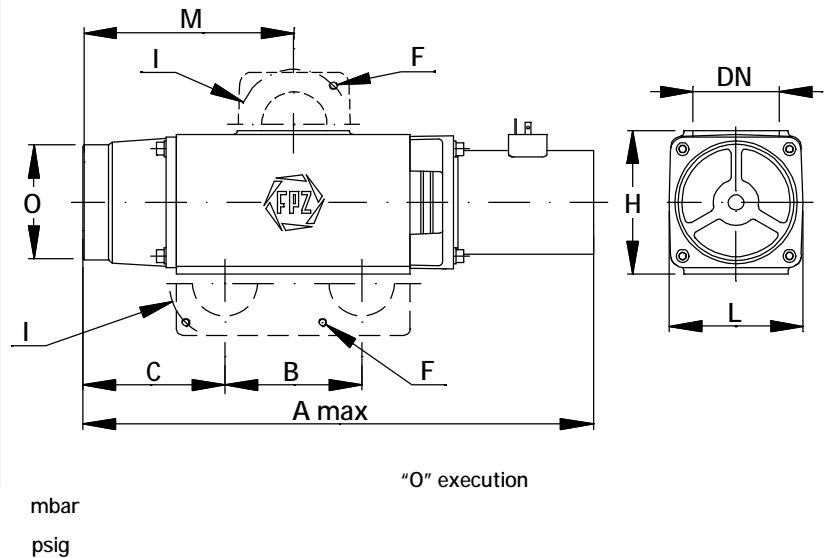
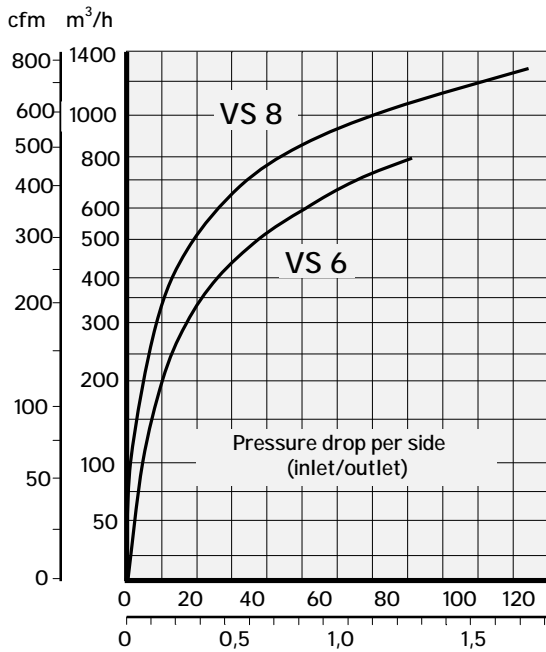


Note: The monitor gauge has a 1/8" MPT connection. It is mounted either on the weatherhood or on the outlet pipe depending on the filter assembly. Used for pressure applications only.

Flow Converting Devices

 V6 / VS8
 SN 2616-2/1/1

This all aluminum device is simple in both design and operation. Change of flow direction is attained by an electronically or pneumatically activated diverter.



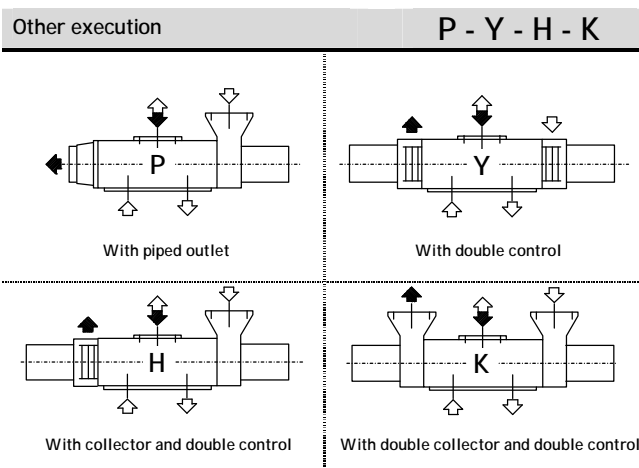
| TYPE | DN | A | | B | C | F | H | I | L | M | O |
|------|----|----------------------|----------------------|------|------|----|------|---------------|------|------|------|
| VS 6 | 2" | 15.43 ⁽¹⁾ | 16.42 ⁽²⁾ | 4.13 | 4.29 | M6 | 4.33 | 2 x int. 3.35 | 3.94 | 6.38 | 3.46 |
| VS 8 | 3" | 19.09 ⁽¹⁾ | 20.08 ⁽²⁾ | 4.02 | 5.28 | M6 | 6.3 | 4 x int. 4.72 | 5.91 | 8.27 | 4.33 |

Overall dimensions refer to "O" execution without flanges

For the dimensions of the other executions pls see:

- SI 1787 Executions O/P
- SI 1788 Executions Y/H/K with pneumatic control
- SI 2021 Executions Y/H/K with electrical control

- (2) Electronically activated
- (3) Pneumatically activated



| EXECUTION | |
|-----------|-------|
| O/P | Y/H/K |

| Electrical control | |
|--------------------------|------------------------|
| Thrust solenoid | |
| Working ratio | 60% of cycle time |
| Max. cycle duration | 5 min. |
| Max. activated time | 3 min. |
| Power rating | 56 W 120 W (3) |
| Standard supply voltages | V: 24 DC-110 AC-220 AC |

(3) Only for VS6 (dp max. +350-350 mbar)

| Pneumatic control | |
|-----------------------|-------------------|
| Thrust air cylinder | Double effect |
| Max pressure | 10 Bar |
| Air consumption | 0.02 litres/cycle |
| Operating temperature | -5°C - +70 °C |

Available connection

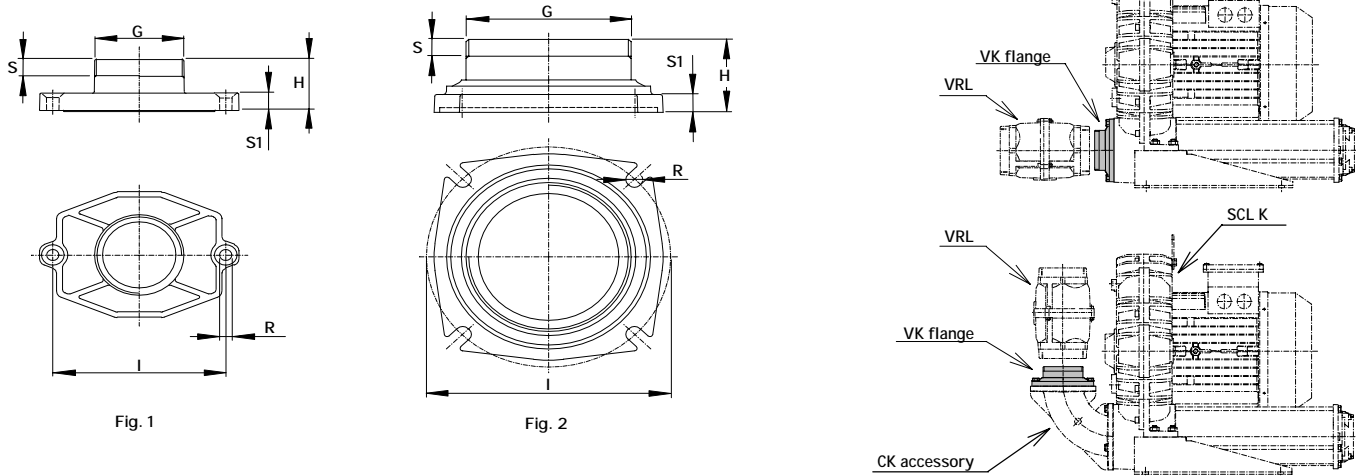
- TF threaded flange GAS (G 1 1/2", G 2", G 3");
- TF threaded flange NPT (NPT 1 1/2", NPT 2", NPT 3");
- See SU 0012.

Dimensions in inches. Tolerance on given values ±10 % - unbinding and can be changed without prior notice.

VK - FLANGE CONNECTOR FOR VRL VALVES

This VK flange accessory allows direct connection of the VRL relief valves to the cover of the SCL "K" model blowers; either in pressure or vacuum.

Note: VK flanges usable on K-MS and K-TS blowers in vacuum or pressure K-MD useable in vacuum only.



Dimensions in Inches

| Model | DN | G | H | I | R | S | S1 | Fig. | Parts List |
|-------|--------|------------|------|------|------|------|------|------|------------|
| VK 5 | 1" 1/2 | 1" 1/2 NPT | 1.18 | 3.62 | 0.26 | 0.59 | 0.39 | 1 | SP 1552 |
| VK 6 | 2" | 2" NPT | 1.97 | 4.33 | 0.33 | 0.75 | 0.39 | | SP 1553 |
| VK 6A | 2" | 2" NPT | 2.34 | 5.12 | 0.35 | 0.75 | 0.43 | 2 | SP 1611 |
| VK 8 | 3" | 3" NPT | 1.69 | 5.12 | 0.35 | 0.83 | 0.43 | | SP 1554 |
| VK 9 | 4" | 4" NPT | 1.81 | 5.90 | 0.35 | 0.90 | 0.43 | | SP 1555 |

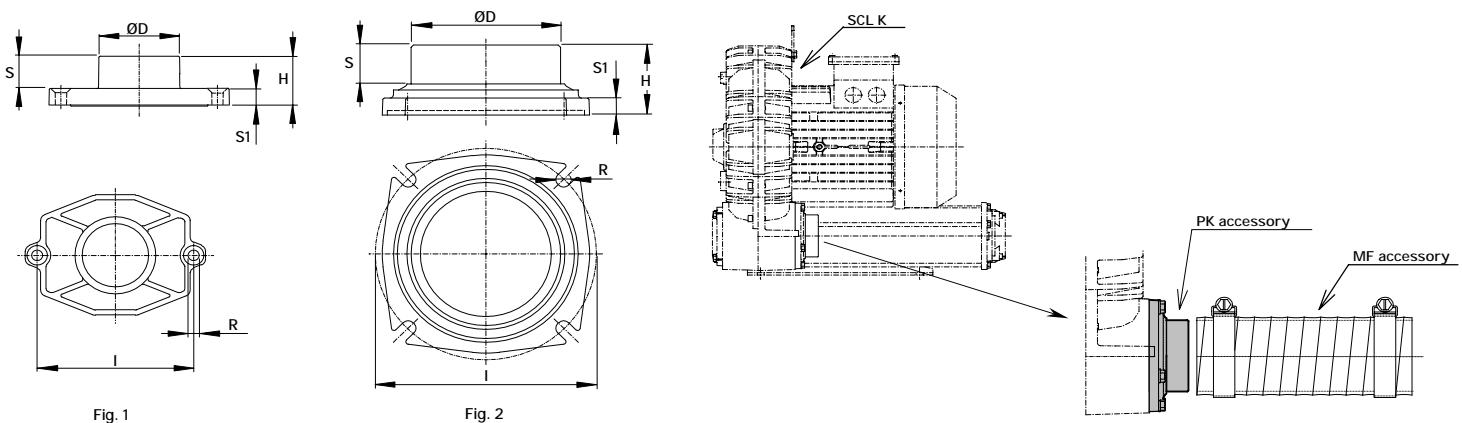
PK - FLANGED TUBE CONNECTOR FOR SCL K

The PK accessory allows connection of the "K" Series blowers directly to the process line without use of the intake or outlet manifolds.

CHARACTERISTICS

Flange in aluminium alloy with tube stub connection.

Supplied as a kit for mounting (with gasket and screws with wrench), please see the respective Parts List in table.



Dimensions in Inches

| Model | DN | D | H | I | R | S | S1 | Fig. | Parts List |
|-------|--------|------|------|------|------|------|------|------|------------|
| PK 5 | 1" 1/2 | 1.89 | 1.18 | 3.62 | 0.26 | 0.79 | 0.39 | 1 | SP 1543 |
| PK 6 | 2" | 2.36 | 1.97 | 4.33 | 0.33 | 1.38 | 0.39 | | SP 1544 |
| PK 6A | 2" | 2.36 | 2.34 | 5.12 | 0.35 | 1.38 | 0.43 | 2 | SP 1609 |
| PK 8 | 3" | 3.46 | 1.69 | 5.12 | 0.35 | 0.94 | 0.43 | | SP 1545 |
| PK 9 | 4" | 4.48 | 1.81 | 5.90 | 0.35 | 1.06 | 0.43 | | SP 1546 |

Note: PK flanges usable on K-MS, K-TS, K-TD blowers in vacuum or pressure K-MD useable in vacuum only.

CA MANIFOLD FOR FA/FL FILTERS

90° wide radius PVC manifold with flanged connection and unthreaded tube end. Working temperature -20° to +40°C (-5° ÷ +105 °F).

| Type | DN | A | B | D | S | I | R | Y | Fig. |
|------|-------|-------|-------|------|------|------|------|-----|------|
| CA4 | 1.25" | 8.66 | 3.54 | 1.65 | 0.59 | 2.95 | 0.28 | 30° | 1 |
| CA4V | 1.25" | 8.66 | 3.54 | 1.65 | 0.59 | 2.52 | 0.28 | - | 2 |
| CA5 | 1.5" | 10.24 | 4.33 | 1.89 | 0.59 | 3.35 | 0.28 | 45° | 1 |
| CA5V | 1.5" | 10.24 | 4.33 | 1.89 | 0.59 | 2.95 | 0.28 | - | 2 |
| CA6 | 2" | 12.60 | 5.31 | 2.36 | 0.59 | 3.35 | 0.28 | 45° | 1 |
| CA6V | 2" | 12.60 | 5.31 | 2.36 | 0.59 | 3.35 | 0.28 | - | 2 |
| CA8 | 3" | 14.96 | 7.28 | 3.46 | 0.59 | 4.72 | 0.28 | - | 3 |
| CA9 | 4" | 15.75 | 9.25 | 4.45 | 0.79 | 5.91 | 0.35 | - | |
| CA10 | 5" | 17.72 | 11.81 | 5.51 | 0.79 | 8.27 | 0.71 | - | |

Dimensions in inches - unbinding and can be changed without prior notice.

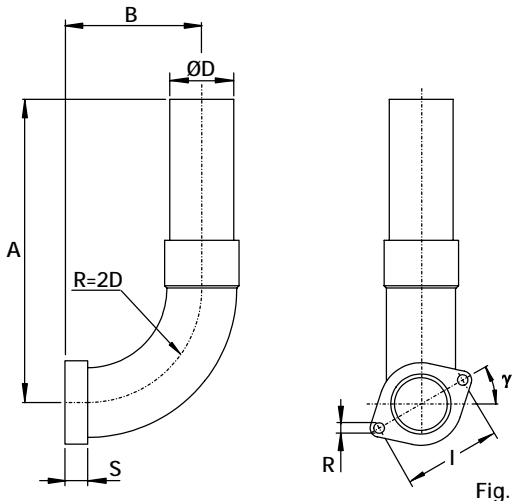


Fig. 1

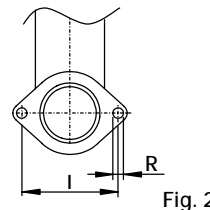


Fig. 2

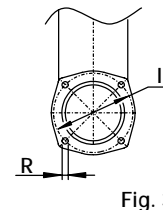


Fig. 3

CK MANIFOLD

90° aluminium manifold for "K" models supplied in a kit containing the gasket and bolts.

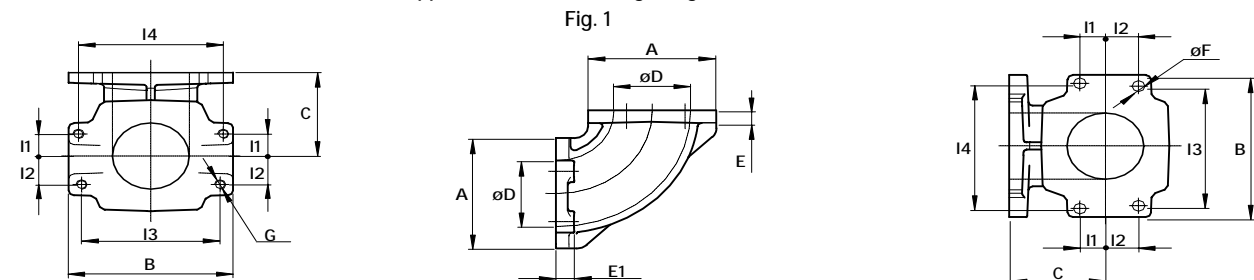


Fig. 1

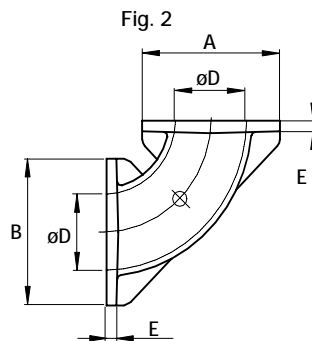
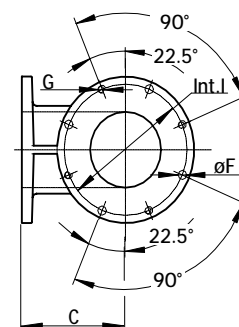
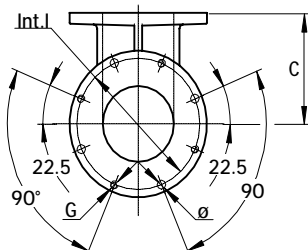


Fig. 2



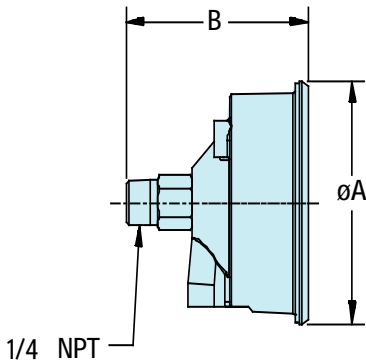
| Type | DN | A | B | C | D | E | E1 | F | G | I | I1 | I2 | I3 | I4 | Fig. |
|------|-------|------|------|------|------|------|------|------|----|------|------|------|------|------|------|
| CK4 | 1.25" | 2.72 | 3.33 | 2.20 | 1.15 | 0.27 | 0.45 | 0.27 | M6 | - | 0.57 | 0.57 | 2.76 | 2.76 | 1 |
| CK5 | 1.5" | 3.15 | 3.94 | 2.20 | 1.69 | 0.27 | 0.45 | 0.27 | M6 | - | 0.69 | 0.69 | 3.35 | 3.35 | |
| CK6 | 2" | 3.62 | 4.65 | 2.72 | 2.16 | 0.31 | 0.51 | 0.35 | M8 | - | 0.73 | 0.95 | 3.92 | 4.10 | |
| CK8 | 3" | 5.71 | 5.71 | 4.31 | 2.95 | 0.39 | - | 0.35 | M8 | 5.12 | - | - | - | - | 2 |
| CK9 | 4" | 6.50 | 6.50 | 5.22 | 3.54 | 0.39 | - | 0.35 | M8 | 5.90 | - | - | - | - | |
| CK10 | 5" | 8.66 | 8.66 | 7.56 | 5.04 | 0.39 | - | 0.35 | M8 | 7.48 | - | - | - | - | |

Dimensions in inches - unbinding and can be changed without prior notice.

Gauges, Check Valves, Silencers, Enclosures

SS1310

Gauges

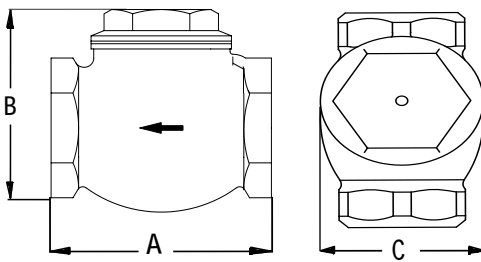


Gauges are important for monitoring the operating pressure or vacuum of the blower. Gauges should be positioned as close to the blower as possible.

| Part number | Duty | Scale | A | B |
|-------------|----------|-------------------------|------|------|
| VG25-60 | Vacuum | 0-60" H ₂ O | 2.88 | 2.59 |
| VG25-200 | Vacuum | 0-200" H ₂ O | | |
| VG25-300 | Vacuum | 0-300" H ₂ O | | |
| PG25-60 | Pressure | 0-60" H ₂ O | | |
| PG25-200 | Pressure | 0-200" H ₂ O | | |
| PG25-300 | Pressure | 0-300" H ₂ O | | |
| PG20-15 | Pressure | 0-15 psi | 2.25 | 1.9 |

Dimensions in inches. Tolerance on given values ± 10% - unbinding and can be changed without prior notice.

Check Valves

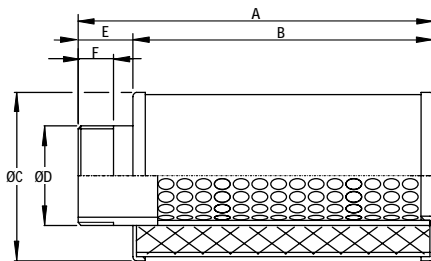


Swing check valves allow air to flow in one direction. These valves prevent backflow into the blower and are supplied in bronze or brass.

| Part Number | NPT | A | B | C |
|-------------|-------|-----|-----|-----|
| CV075 | 0.75" | 2.4 | | |
| CV10 | 1" | 2.8 | 1.9 | 2.7 |
| CV125 | 1.25" | 3.2 | 2.2 | 3.2 |
| CV15 | 1.5" | 3.6 | 2.5 | 3.5 |
| CV20 | 2" | 4.3 | 3.1 | 4.2 |
| CV30 | 3" | 5.8 | 4.2 | 6.1 |
| CV40 | 4" | 6.9 | 5.5 | 7.1 |

Dimensions in inches. Tolerance on given values ± 10% - unbinding and can be changed without prior notice.

Silencers



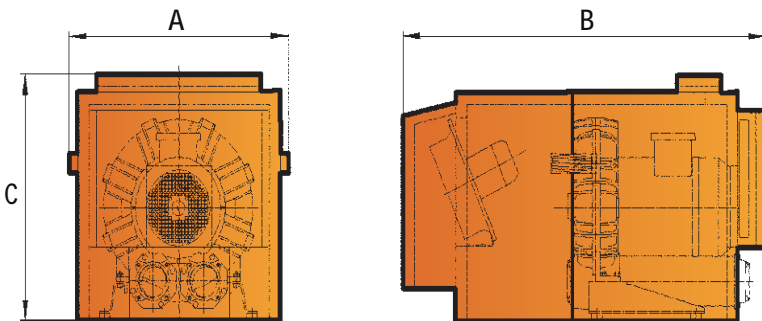
Silencers provide additional sound attenuation.

| TYPE | D | A | B | C | E | F | lbs |
|------|--------|------|------|-----|-----|-----|-----|
| SS 4 | 1" 1/4 | 7.5 | 5.5 | 2.8 | 2 | 0.6 | 0.8 |
| SS 5 | 1" 1/2 | 7.9 | 6.7 | 3.1 | 1.2 | 0.8 | 1.1 |
| SS 6 | 2" | 9.1 | 7.9 | 3.5 | 1.2 | 0.8 | 1.3 |
| SS 8 | 3" | 19.1 | 15.7 | 6.0 | 3.3 | 0.8 | 4.8 |
| SS 9 | 4" | 18.3 | 16.9 | 6.7 | 1.1 | 0.8 | 9.9 |

Steel manufactured (apart from SI 9 / SS 9 - entirely in aluminium) with sound absorbing polyurethane element.

Dimensions in inches. Tolerance on given values ± 10% - unbinding and can be changed without prior notice.

Sound Enclosures

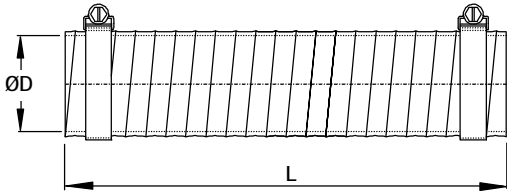


| Part # | Used on models | A | B | C |
|--------|-------------------------|------|------|------|
| IH1 | SCL K03-MS | 13.4 | 18.2 | 15.8 |
| IH3 | SCL K04-MS | 14.3 | 19.7 | 16.5 |
| IH5 | SCL K05-6 MS + 30-40 DH | 16.9 | 26.8 | 21.3 |
| IH7 | SCL K07-8 MS / MD | 31.7 | 64.4 | 26 |
| IH8 | SCL K07-8 TD | 31.7 | 64.4 | 26 |
| IH9 | SCL K07-8 TS | 31.7 | 64.4 | 26 |
| IH10 | SCL K09-12 MS/MD | 31.7 | 67.2 | 30 |
| IH11 | SCL K09-10 TD | 31.7 | 67.2 | 30 |
| IH12 | SCL K11-TD | 31.7 | 67.2 | 30 |
| IH13 | SCL K09-11 TS | 31.7 | 67.2 | 31.5 |

Dimensions in inches - unbinding and can be changed without prior notice.

FLEXIBLE SLEEVE

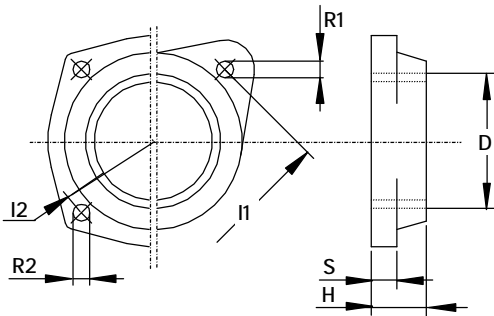
Steel reinforced rubber - coated fibreglass flex tubing, including 2 adjustable hose clamps. Working temperature: -55 ÷ +176 °C (-67 ÷ +350 °F). Maximum working pressure: 3 bar (44 psi).



| TIPO TYPE | DN | D | L |
|-----------|--------|-----|-----|
| MF 1 | 1/2" | 20 | 200 |
| MF 2 | 3/4" | 26 | 200 |
| MF 3 | 1" | 32 | 200 |
| MF 4 | 1" 1/4 | 45 | 200 |
| MF 5 | 1" 1/2 | 50 | 250 |
| MF 6 | 2" | 64 | 250 |
| MF 8 | 3" | 89 | 330 |
| MF 9 | 4" | 114 | 330 |
| MF 10 | 5" | 140 | 330 |

THREADED FLANGE

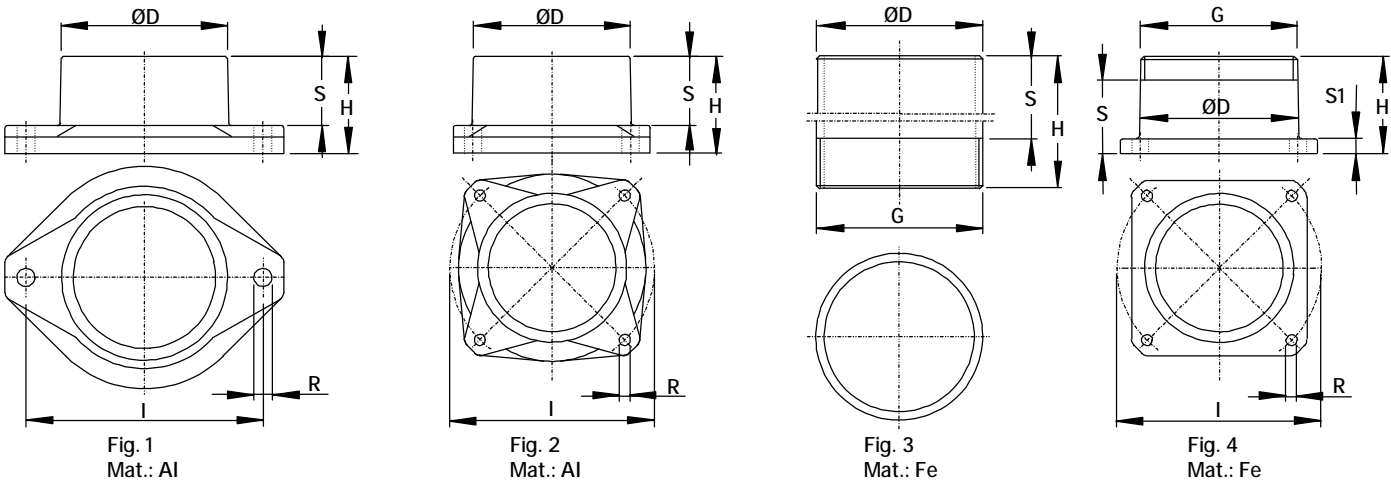
Threaded flange in aluminum alloy.



| TIPO TYPE | D | H | I1 | I2 | R1 | R2 | S |
|-----------|----------|----|----|-----|-----|-----|----|
| TF 3 | G 1" | 18 | 55 | - | 6.5 | - | 10 |
| TF 4 | G 1" 1/4 | 18 | 75 | - | 6.5 | - | 10 |
| TF 4V | G 1" 1/4 | 18 | 64 | - | 6.5 | - | 10 |
| TF 5 | G 1" 1/2 | 18 | 85 | - | 6.5 | - | 10 |
| TF 5V | G 1" 1/2 | 18 | 75 | - | 6.5 | - | 10 |
| TF 6 | G 2" | 18 | 85 | - | 6.5 | - | 10 |
| TF 8 | G 3" | 25 | - | 120 | - | 6.5 | 13 |
| TF 9 | G 4" | 25 | - | 150 | - | 9 | 13 |

SLEEVE

Aluminum alloy or steel flanged sleeve coupling.



| TIPO TYPE | DN | D | G | H | I | R | S | Fig. |
|-----------|--------|----|--------|-----|----|-----|----|------|
| MP 1 | 1/2" | 21 | G 1/2" | 100 | - | - | 85 | 3 |
| MP 2 | 3/4" | 27 | G 3/4" | 100 | - | - | 85 | |
| MP 3 | 1" | 33 | - | 35 | 55 | 6.5 | 25 | 1 |
| MP 4 | 1" 1/4 | 42 | - | 35 | 75 | 6.5 | 25 | |
| MP 4V | 1" 1/4 | 42 | - | 35 | 64 | 6.5 | 25 | |
| MP 5 | 1" 1/2 | 48 | - | 35 | 85 | 6.5 | 25 | |

| TIPO TYPE | DN | D | G | H | I | R | S | S1 | Fig. |
|-----------|--------|-----|--------|-----|-----|-----|----|----|------|
| MP 5V | 1" 1/2 | 48 | - | 35 | 75 | 6.5 | 25 | - | 1 |
| MP 6 | 2" | 60 | - | 35 | 85 | 6.5 | 25 | - | |
| MP 8 | 3" | 88 | - | 45 | 120 | 6.5 | 32 | - | 2 |
| MP 9 | 4" | 114 | 4" npt | 100 | - | - | 80 | - | 3 |
| MP 10 | 5" | 140 | 5" npt | 60 | 210 | 18 | 40 | 8 | 4 |

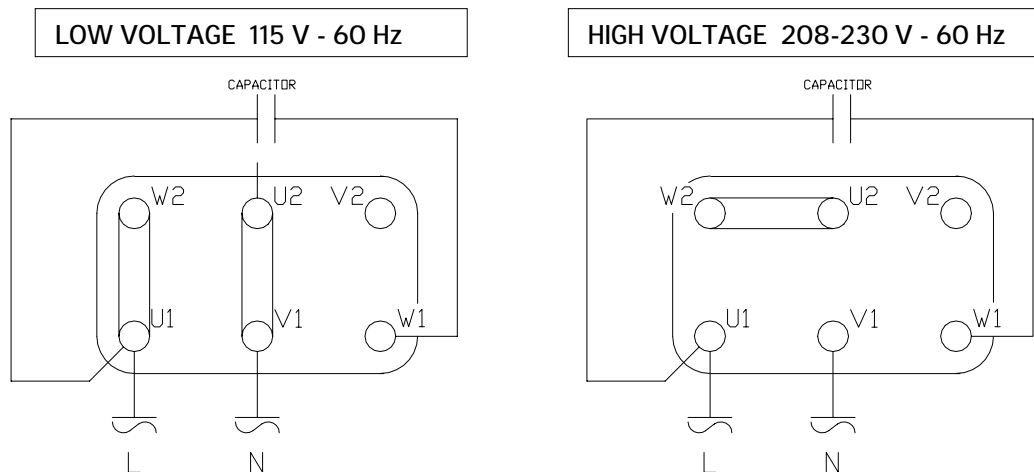
Dimensions in mm. Tolerance on given values ± 10% - unbinding and can be changed without prior notice.

SINGLE PHASE DUAL VOLTAGE

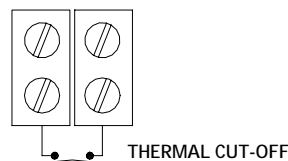
GENERAL SPECIFICATIONS:

- | | |
|-----------------------|-----------------------------------|
| 1- Type: | Single phase AC MOTOR - IEC 60034 |
| 2- Marks: | cURus, CE |
| 3- Poles: | 2 |
| 4- Frequency: | 60 Hz |
| 5- Insulation Class: | F |
| 6- Enclosure: | TEFC |
| 7- Protection: | IP 55 |
| 8- Thermal Protector: | KLIXON 140 °C |
| 9- Service Factor: | 1.0 |
| 10- Max. Ambient: | 40°C |
| 11- Duty: | Cont. |
| 12- Construction: | Aluminium frame |

| POWER Hp | VOLTAGE V | SPEED min ⁻¹ | FLA A | STARTING CURRENT A | POWER FACTOR cos φ | CAPACITOR μF |
|-------------|--------------|----------------------------|-------------|--------------------------|--------------------------|-----------------|
| 1/3 | 115-208/230 | 3330 | 3.5 / 1.7 | 12.3 / 6.0 | 0.97 | 16.0 - 400 V |
| 1/2 | 115-208/230 | 3360 | 4.8 / 2.6 | 16.8 / 9.1 | 0.96 | 16.0 - 400 V |
| 3/4 | 115-208/230 | 3450 | 9.8 / 4.9 | 46.1 / 23.0 | 0.95 | 20.0 - 400 V |
| 1 | 115-208/230 | 3450 | 13.0 / 7.2 | 49.4 / 24.7 | 0.66 | 31.5 - 400 V |
| 1 ½ | 115-208/230 | 3330 | 13.6 / 7.3 | 54.4 / 29.2 | 0.97 | 50.0 - 400 V |
| 2 | 115-208/230 | 3440 | 24.0 / 12.0 | 79.2 / 39.6 | 0.90 | 70.0 - 400 V |
| 3 | 115-208/230 | 3425 | 31.5 / 16.0 | 154.4 / 78.4 | 0.85 | 60.0 - 400 V |



THERMAL PROTECTION NORMALLY CLOSED



Specifications subject to change without notice. Alternate motor suppliers may be used.

THREE PHASE MOTOR

GENERAL SPECIFICATIONS:

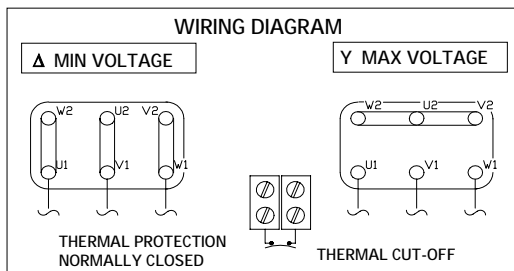
- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Type: 3-phase AC Motor IEC 60034 2. Marks: cURus, CE 3. Poles: 2 4. Insulation class: F 5. Frequency: 60 hz / 50 hz 6. Enclosure: TEFC | <ol style="list-style-type: none"> 7. Protection IP55 8. Thermal protector: Klixon 150° C 9. Service factor: 1.15 10. Max. Ambient 40° C 11. Duty: Continuous 12. Construction: aluminum frame |
|--|--|

| POWER | | SIZE | 60 HZ | | | 50 HZ | | | STARTING CURRENT RATIO* | CABLE ENTRY 1*** | CABLE ENTRY 2 |
|-------|------|-------|-------------|---------------|--------------------|---------|-----------------------|--------------------|-------------------------|------------------|---------------|
| HP | KW | | VOLTAGE | FLA 208 / 460 | POWER FACTOR cos φ | VOLTAGE | FLA 230 / 400 (200 V) | POWER FACTOR cos φ | | | |
| 0.33 | 0.25 | 63 | 208-230/460 | 1.5 / 0.7 | 0.75 | 230/400 | 1.4 / 0.8 | 0.70 | 3.9 | M16 | M20 |
| 0.5 | 0.37 | 63 | 208-230/460 | 2.3 / 1.0 | 0.79 | 230/400 | 2.1 / 1.2 | 0.73 | 3.6 | M16 | M20 |
| 0.75 | 0.55 | 71 | 208-230/460 | 2.7 / 1.2 | 0.85 | 230/400 | 2.6 / 1.5 | 0.78 | 3.8 | M16 | M20 |
| 1 | 0.75 | 80 | 208-230/460 | 3.3 / 1.5 | 0.84 | 230/400 | 3.5 / 2.0 | 0.78 | 5.0 | M20 | M25 |
| 1.5 | 1.1 | 80 | 208-230/460 | 5.0 / 2.3 | 0.86 | 230/400 | 4.5 / 2.6 | 0.82 | 5.6 | M20 | M25 |
| 2 | 1.5 | 90 | 208-230/460 | 6.3 / 2.9 | 0.82 | 230/400 | 6.1 / 3.5 | 0.82 | 5.0 | M20 | M25 |
| 3 | 2.2 | 90 | 208-230/460 | 9.0 / 4.1 | 0.87 | 230/400 | 8.5 / 4.9 | 0.81 | 7.1 | M20 | M25 |
| 4 | 3 | 90 | 208-230/460 | 11.2 / 5.9 | 0.80 | 230/400 | 11.8 / 6.8 | 0.80 | 7.0 | M20 | M25 |
| | | 100 | 208-230/460 | 12.9 / 6.1 | 0.85 | 230/400 | 11.6 / 6.7 | 0.85 | 6.0 | M25 | M20 |
| 5.5 | 4 | 100 | 208-230/460 | 17.5 / 8.1 | 0.88 | 230/400 | 14.0 / 8.1 | 0.88 | 6.2 | M25 | M20 |
| 7.5 | 5.5 | 112 | 208-230/460 | 20.0 / 9.5 | 0.86 | 230/400 | 19.4 / 11.2 | 0.85 | 7.6 | M25 | M20 |
| 10 | 7.5 | 112 | 208-230/460 | 26.0 / 12.5 | 0.88 | 230/400 | 25.6 / 14.8 | 0.87 | 8.2 | M25 | M25 |
| | | 132 | 208-230/460 | 26.5 / 15.3 | 0.87 | 230/400 | 37.5 / 21.7 | 0.84 | 6.9 | M32 | M32 |
| 15 | 11 | 132 | 208-230/460 | 40.0 / 21.7 | 0.84 | 230/400 | 37.5 / 21.7 | 0.84 | 6.9 | M32 | M32 |
| 20** | 15 | 132** | 208-230/460 | 54.0 / 26.0 | 0.86 | 200/400 | (61.0) / 30.5 | 0.82 | 7.0 | M32 | M32 |
| | | 160 | 208-230/460 | 54.0 / 29.8 | 0.85 | 230/400 | 51.6 / 29.8 | 0.85 | 8.1 | M40 | M40 |
| 25 | 18.5 | 160 | 208-230/460 | 63.0 / 34.8 | 0.87 | 230/400 | 60.0 / 34.8 | 0.87 | 8.5 | M40 | M40 |
| 30 | 22.0 | 160 | 208-230/460 | 72.0 / 41.5 | 0.87 | 230/400 | 72.0 / 41.5 | 0.87 | 8.4 | M40 | M40 |

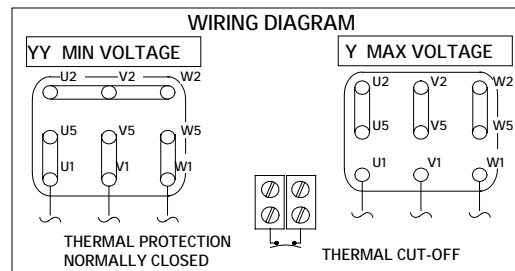
* FLA x starting current ratio = starting current

** 9 leads motor applicable to 20 hp motors with 132 frame (MS / MD series)

*** Cable entry 1 includes cable gland



6 LEADS MOTORS.
208-230/460 V - 60 Hz
230/400 V - 50 Hz



** 9 LEADS MOTOR . APPLICABLE TO 20Hp SIZE 132
208-230/460 V - 60 Hz
200/400 V - 50 Hz

Specifications subject to change without notice. Alternate motor suppliers may be used.



Airflow Through an Orifice

Pressure

Orifice Diameters - Inches

| Pressure " H2O | 1/32 | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 1-3/4 | 2.0 | 2-1/4 | 2-1/2 | 2-3/4 | 3 |
|-------------------|------|------|-----|------|-----|------|------|------|------|-----|-----|-----|-------|-------|-------|-----|-------|-------|-------|------|
| 1 | 0.0 | 0.1 | 0.2 | 0.5 | 0.9 | 1.4 | 2.0 | 2.7 | 3.5 | 6 | 7.8 | 14 | 22 | 31 | 43 | 56 | 70 | 87 | 105 | 125 |
| 2 | 0.0 | 0.1 | 0.3 | 0.7 | 1.2 | 1.9 | 2.8 | 3.8 | 4.9 | 8 | 11 | 20 | 31 | 44 | 60 | 79 | 100 | 123 | 149 | 177 |
| 3 | 0.0 | 0.1 | 0.4 | 0.8 | 1.5 | 2.4 | 3.4 | 4.6 | 6.0 | 10 | 14 | 24 | 38 | 54 | 74 | 96 | 122 | 150 | 182 | 217 |
| 4 | 0.0 | 0.1 | 0.4 | 1.0 | 1.7 | 2.7 | 3.9 | 5.3 | 7.0 | 11 | 16 | 28 | 43 | 63 | 85 | 111 | 141 | 174 | 210 | 250 |
| 5 | 0.0 | 0.1 | 0.5 | 1.1 | 1.9 | 3.0 | 4.4 | 6.0 | 7.8 | 12 | 18 | 31 | 49 | 70 | 95 | 124 | 157 | 194 | 235 | 280 |
| 10 | 0.0 | 0.2 | 0.7 | 1.5 | 2.8 | 4.3 | 6.2 | 8.4 | 11.0 | 18 | 25 | 44 | 69 | 99 | 135 | 176 | 222 | 275 | 332 | 395 |
| 15 | 0.1 | 0.2 | 0.8 | 1.9 | 3.4 | 5.3 | 7.6 | 10.3 | 13.4 | 21 | 30 | 54 | 84 | 121 | 165 | 215 | 272 | 336 | 407 | 484 |
| 20 | 0.1 | 0.2 | 1.0 | 2.2 | 3.9 | 6.1 | 8.7 | 11.9 | 15.5 | 25 | 35 | 62 | 97 | 140 | 190 | 248 | 314 | 388 | 469 | 559 |
| 25 | 0.1 | 0.3 | 1.1 | 2.4 | 4.3 | 6.8 | 9.8 | 13.3 | 17.3 | 28 | 39 | 69 | 108 | 156 | 212 | 277 | 351 | 434 | 525 | 624 |
| 30 | 0.1 | 0.3 | 1.2 | 2.6 | 4.8 | 7.4 | 10.7 | 14.5 | 19.0 | 30 | 43 | 76 | 119 | 171 | 233 | 304 | 385 | 475 | 574 | 684 |
| 35 | 0.1 | 0.3 | 1.3 | 2.9 | 5.1 | 8.0 | 11.5 | 15.7 | 20.5 | 33 | 46 | 82 | 128 | 185 | 251 | 328 | 415 | 513 | 620 | 738 |
| 40 | 0.1 | 0.3 | 1.4 | 3.1 | 5.5 | 8.6 | 12.3 | 16.8 | 21.9 | 35 | 49 | 88 | 137 | 197 | 268 | 351 | 444 | 548 | 663 | 789 |
| 45 | 0.1 | 0.4 | 1.5 | 3.3 | 5.8 | 9.1 | 13.1 | 17.8 | 23.2 | 37 | 52 | 93 | 145 | 209 | 285 | 372 | 470 | 581 | 703 | 836 |
| 50 | 0.1 | 0.4 | 1.5 | 3.4 | 6.1 | 9.6 | 13.8 | 18.7 | 24.5 | 39 | 55 | 98 | 153 | 220 | 300 | 392 | 496 | 612 | 740 | 881 |
| 55 | 0.1 | 0.4 | 1.6 | 3.6 | 6.4 | 10.0 | 14.4 | 19.6 | 25.7 | 41 | 58 | 103 | 160 | 231 | 314 | 411 | 520 | 641 | 776 | 924 |
| 60 | 0.1 | 0.4 | 1.7 | 3.8 | 6.7 | 10.5 | 15.1 | 20.5 | 26.8 | 43 | 60 | 107 | 167 | 241 | 328 | 429 | 542 | 670 | 810 | 964 |
| 65 | 0.1 | 0.4 | 1.7 | 3.9 | 7.0 | 10.9 | 15.7 | 21.3 | 27.9 | 45 | 63 | 111 | 174 | 251 | 341 | 446 | 564 | 697 | 843 | 1003 |
| 70 | 0.1 | 0.5 | 1.8 | 4.1 | 7.2 | 11.3 | 16.3 | 22.1 | 28.9 | 46 | 65 | 116 | 181 | 260 | 354 | 463 | 585 | 723 | 874 | 1041 |
| 75 | 0.1 | 0.5 | 1.9 | 4.2 | 7.5 | 11.7 | 16.8 | 22.9 | 29.9 | 48 | 67 | 120 | 187 | 269 | 366 | 479 | 606 | 748 | 905 | 1077 |
| 80 | 0.1 | 0.5 | 1.9 | 4.3 | 7.7 | 12.1 | 17.4 | 23.6 | 30.9 | 50 | 70 | 124 | 193 | 278 | 378 | 494 | 625 | 772 | 934 | 1112 |
| 85 | 0.1 | 0.5 | 2.0 | 4.5 | 8.0 | 12.4 | 17.9 | 24.4 | 31.6 | 51 | 72 | 127 | 199 | 285 | 390 | 509 | 644 | 795 | 962 | 1145 |
| 90 | 0.1 | 0.5 | 2.0 | 4.6 | 8.2 | 12.8 | 18.4 | 25.1 | 32.7 | 53 | 74 | 131 | 204 | 294 | 401 | 524 | 663 | 818 | 990 | 1178 |
| 95 | 0.1 | 0.5 | 2.1 | 4.7 | 8.4 | 13.1 | 18.9 | 25.7 | 33.6 | 54 | 76 | 134 | 210 | 302 | 412 | 538 | 680 | 840 | 1016 | 1210 |
| 100 | 0.1 | 0.5 | 2.2 | 4.9 | 8.6 | 13.5 | 19.4 | 26.4 | 34.5 | 55 | 78 | 138 | 215 | 310 | 422 | 551 | 698 | 861 | 1042 | 1241 |
| 105 | 0.1 | 0.6 | 2.2 | 5.0 | 8.8 | 13.8 | 19.9 | 27.0 | 35.3 | 57 | 79 | 141 | 221 | 318 | 432 | 565 | 715 | 882 | 1068 | 1271 |
| 110 | 0.1 | 0.6 | 2.3 | 5.1 | 9.0 | 14.1 | 20.3 | 27.6 | 36.1 | 58 | 81 | 144 | 226 | 325 | 442 | 578 | 731 | 903 | 1092 | 1300 |

1 psi = 27.68" H₂O discharge coefficient = 0.65 Air Temperature = 70 deg F Airflow in CFM

Vacuum

Orifice Diameters - Inches

| Vacuum " Hg | 1/32 | 1/16 | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 5/8 | 3/4 | 1 | 1-1/4 | 1-1/2 | 1-3/4 | 2.0 | 2-1/4 | 2-1/2 | 2-3/4 | 3 |
|----------------|------|------|-----|------|-----|------|------|------|-----|-----|-----|-----|-------|-------|-------|-----|-------|-------|-------|------|
| 0.5 | 0.0 | 0.1 | 0.6 | 1.3 | 2.2 | 3.5 | 5.1 | 6.9 | 9 | 14 | 20 | 36 | 56 | 81 | 110 | 144 | 182 | 225 | 272 | 324 |
| 1 | 0.0 | 0.2 | 0.8 | 1.8 | 3.1 | 4.9 | 7.1 | 9.6 | 13 | 20 | 28 | 50 | 79 | 113 | 154 | 202 | 255 | 315 | 381 | 453 |
| 2 | 0.1 | 0.3 | 1.1 | 2.5 | 4.4 | 6.8 | 9.8 | 13.0 | 17 | 27 | 39 | 70 | 109 | 157 | 214 | 280 | 354 | 437 | 529 | 629 |
| 3 | 0.1 | 0.3 | 1.3 | 3.0 | 5.2 | 8.2 | 11.8 | 16.0 | 21 | 33 | 47 | 84 | 131 | 189 | 257 | 336 | 425 | 525 | 635 | 756 |
| 4 | 0.1 | 0.4 | 1.5 | 3.3 | 5.9 | 9.3 | 13.4 | 18.0 | 24 | 37 | 53 | 95 | 148 | 214 | 291 | 380 | 481 | 594 | 718 | 855 |
| 5 | 0.1 | 0.4 | 1.6 | 3.7 | 6.5 | 10.0 | 14.6 | 20.0 | 26 | 41 | 58 | 104 | 162 | 234 | 318 | 416 | 526 | 650 | 786 | 936 |
| 6 | 0.1 | 0.4 | 1.7 | 3.9 | 7.0 | 11.0 | 15.7 | 21.0 | 28 | 44 | 63 | 111 | 174 | 251 | 341 | 446 | 564 | 696 | 842 | 1002 |
| 7 | 0.1 | 0.5 | 1.8 | 4.1 | 7.3 | 11.0 | 16.5 | 22.0 | 29 | 46 | 66 | 118 | 184 | 264 | 360 | 470 | 595 | 735 | 889 | 1058 |
| 8 | 0.1 | 0.5 | 1.9 | 4.3 | 7.7 | 12.0 | 17.3 | 23.0 | 31 | 48 | 69 | 123 | 192 | 276 | 376 | 491 | 621 | 766 | 927 | 1104 |
| 9 | 0.1 | 0.5 | 2.0 | 4.5 | 7.9 | 12.0 | 17.8 | 24.0 | 32 | 50 | 71 | 127 | 198 | 285 | 388 | 507 | 642 | 792 | 959 | 1141 |
| 10 | 0.1 | 0.5 | 2.0 | 4.6 | 8.1 | 13.0 | 18.3 | 25.0 | 33 | 51 | 73 | 130 | 203 | 293 | 398 | 520 | 659 | 813 | 984 | 1171 |
| 11 | 0.1 | 0.5 | 2.1 | 4.7 | 8.3 | 13.0 | 18.7 | 25.0 | 33 | 52 | 76 | 133 | 207 | 298 | 406 | 530 | 671 | 829 | 1003 | 1193 |
| 12 | 0.1 | 0.5 | 2.1 | 4.7 | 8.4 | 13.0 | 18.9 | 26.0 | 34 | 52 | 76 | 134 | 210 | 302 | 412 | 538 | 680 | 840 | 1016 | 1210 |
| 13 | 0.1 | 0.5 | 2.1 | 4.8 | 8.5 | 13.0 | 19.1 | 26.0 | 34 | 53 | 76 | 135 | 212 | 305 | 415 | 542 | 686 | 847 | 1025 | 1219 |
| 14 | 0.1 | 0.5 | 2.1 | 4.8 | 8.5 | 13.0 | 19.1 | 26.0 | 34 | 53 | 76 | 136 | 212 | 306 | 416 | 544 | 688 | 849 | 1028 | 1223 |
| 15 | 0.1 | 0.5 | 2.1 | 4.8 | 8.5 | 13.0 | 19.1 | 26.0 | 34 | 53 | 76 | 136 | 212 | 306 | 416 | 544 | 688 | 849 | 1028 | 1223 |

1" HG = 13.6" H₂O discharge coefficient = 0.65 Air Temperature = 70 deg F Airflow in CFM