

Technical data

ESM 7 - ESM 22 - Fixed Speed Screw Compressors

| Gardner Denver model | Nominal pressure | Drive motor kW | FAD ¹⁾ m ³ /min | Noise level ²⁾ , 1m dB(A) | Weight kg | Dimensions |
|----------------------|------------------|-------------------|--|---|--------------|------------------|
| | bar g | | | | | L x W x H mm |
| ESM 7 | 7.5 | 7.5 | 1.32 | 70 | 205 | 667 x 630 x 1050 |
| | 10 | | 1.09 | | | |
| | 13 | | 0.87 | | | |
| ESM 11 | 7.5 | 11 | 1.83 | 70 | 219 | 667 x 630 x 1050 |
| | 10 | | 1.64 | | | |
| | 13 | | 1.34 | | | |
| ESM 15 | 7.5 | 15 | 2.72 | 70 | 335 | 787 x 698 x 1202 |
| | 10 | | 2.30 | | | |
| | 13 | | 1.83 | | | |
| ESM 18 | 7.5 | 18.5 | 3.28 | 71 | 361 | 787 x 698 x 1202 |
| | 10 | | 2.79 | | | |
| | 13 | | 2.36 | | | |
| ESM 22 | 7.5 | 22 | 3.66 | 71 | 367 | 787 x 698 x 1202 |
| | 10 | | 3.27 | | | |
| | 13 | | 2.65 | | | |

VS 7 - VS 22 - Variable Speed Screw Compressors

| Gardner Denver model | Nominal pressure | Drive motor kW | FAD ¹⁾ m ³ /min | Noise level ²⁾ , 1m dB(A) | Weight kg | Dimensions |
|----------------------|------------------|-------------------|--|---|--------------|------------------|
| | bar g | | | | | L x W x H mm |
| VS 7 | 7.5 | 7.5 | 0.48 - 1.27 | 69 | 222 | 667 x 630 x 1050 |
| | 10 | | 0.46 - 1.02 | | | |
| | 13 | | 0.42 - 0.83 | | | |
| VS 11 | 7.5 | 11 | 0.63 - 1.81 | 70 | 231 | 667 x 630 x 1050 |
| | 10 | | 0.65 - 1.57 | | | |
| | 13 | | 0.58 - 1.27 | | | |
| VS 15 | 7.5 | 15 | 0.93 - 2.61 | 72 | 365 | 787 x 698 x 1202 |
| | 10 | | 0.89 - 2.19 | | | |
| | 13 | | 0.84 - 1.70 | | | |
| VS 18 | 7.5 | 18.5 | 1.34 - 3.06 | 73 | 381 | 787 x 698 x 1202 |
| | 10 | | 1.30 - 2.64 | | | |
| | 13 | | 1.24 - 2.23 | | | |
| VS 22 | 7.5 | 22 | 1.05 - 3.55 | 73 | 386 | 787 x 698 x 1202 |
| | 10 | | 0.95 - 3.16 | | | |
| | 13 | | 0.91 - 2.69 | | | |

ESM 7-22TK / VS 7-22TK - TurnKey Compressor Solution (incl. Add-on dryer and Tank Mounted)

| Gardner Denver model | Nominal pressure | Refrigeration dryer ³⁾ | Air receiver | Dryer voltage | Weight kg | Dimensions | Air Outlet |
|----------------------|------------------|--------------------------------------|-----------------|---------------|--------------|-------------------------|------------|
| | bar g | | | V/Hz | | L x W x H mm | |
| ESM7TK/VS7TK | 7.5 | GDD12HS-BO | 270 Litres | 230 / 50 / 1 | 336 / 353 | 1541 x 695 x 1577 | RP 3/4" |
| | 10 | | | | | | |
| ESM11TK/VS11TK | 7.5 | GDD18HS-BO | 270 Litres | 230 / 50 / 1 | 350 / 362 | 1883 x 815 x 1825 | RP 1" |
| | 10 | | | | | | |
| ESM15TK/VS15TK | 7.5 | GDD30HS-BO | 500 Litres | 230 / 50 / 1 | 545 / 575 | 1883 x 815 x 1825 | RP 1" |
| | 10 | | | | | | |
| ESM18TK/VS18TK | 7.5 | GDD39HS-BO | 500 Litres | 230 / 50 / 1 | 617 / 637 | 1883 x 815 x 1825 | RP 1" |
| | 10 | | | | | | |
| ESM22TK/VS22TK | 7.5 | GDD39HS-BO | 500 Litres | 230 / 50 / 1 | 622 / 642 | 1883 x 815 x 1825 | RP 1" |
| | 10 | | | | | | |

¹⁾ Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at the following conditions and the following working pressures are used: 7.5 bar models at 7 bar, 10 bar models at 9 bar and 13 bar models at 12 bar.

Air Intake Pressure 1 bar a
Air Intake Temperature 20°C
Humidity 0% (Dry)

²⁾ Measured in free field conditions in accordance with ISO 2151, tolerance +/- 3 dB

³⁾ The refrigerant dryer requires a separate electric supply. Data refer to DIN ISO 7183 (class 4, pressure dew point 3° C). For further specifications please refer to refrigerant dryer documentation.