

COMPACT

AIR COMPRESSORS



Rotary Screw Air Compressors

Free air delivery from 0.36 to 75.64 m³/min, Pressure 3 - 40 bar
Installed motor power 5.5 - 400 kW/7.5 - 550 hp



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Features and advantages



01

Smart Controller

- Increased reliability: durable keyboard, use-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation system with main operation conditions include warning indications, maintenance scheduling etc.



02

Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant (400°C=752°F) and low temperature resistant (-270°C=-518°F), high pressure resistant.
- Ultra-long life (80 years), completely leak free and maintenance free.



03

Intelligent Control and Protection

- Schneider electrical elements with original package from Germany, safe and reliable.
- Reasonable, simple and clear wiring, easy for maintenance.
- Good protection function ensures the stable running of the compressor unit.



04

Premium Efficiency Drive Motor

- Premium efficiency Totally Enclosed Fan Cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh



05

Belt Driven

Germany Optibelt brand belts ensure the high performance and easy maintenance.



06

Efficient Radiator

High quality aluminum fins and copper coil materials with good thermal conductivity ensure the perfect cooling efficiency.



07

State-of-the-art Screw Element

- Original COMPACT air end
- Advanced SAP profile design
- The material of the rotors is American speciality steel
- Superior Sweden SKF element bearings



08

Heavy-duty Oil Filter

- Heavy-duty oil filter with excellent oil purification capability ensures a clean and safe oil system
- Long service period and easy filter change reduce maintenance costs.



09

Energy-saving 1:1 Direct Driven design

Germany KTR brand maintenance-free coupling makes the motor drive the air end without transmission loss.



10

Efficient Separation System

- Reduction of pressure drops and energy costs
- Low oil consumption ensures minimal maintenance costs and long compressor lifetime
- Quality air with low oil content:
 - three step air-oil separation (centrifuge, gravity, filter)
 - oil content: less than 3 ppm by weight
 - hinged cover for easy separator element change



11

Superior Air Filter

- Superior air filter with two-stage dust removal and filtering system with efficiency of up to 99.9% even in heavy-duty environments
- Extends the service life of the compressor parts and components, ensures high air quality



| Model | Maximum Working Pressure | | Capacity FAD* | | | | Installed Motor Power | | Cooling Method | Noise level** [dB(A)] | Dimensions(mm) | | | Weight kg | Air outlet pipe diameter |
|------------|--------------------------|------|---------------------|------|---------------------|------|-----------------------|-----|---|-----------------------|----------------|------|------|-----------|--------------------------|
| | | | 50Hz | | 60Hz | | kW | hp | | | L | W | H | | |
| | bar(e) | psig | m ³ /min | cfm | m ³ /min | cfm | | | | | | | | | |
| DA-55+ | 7.5 | 109 | 11.05 | 390 | 11.76 | 415 | 55 | 75 | Direct Driven Air Cooling W-Water Cooling | 69 | 2200 | 1400 | 1600 | 1600 | G2" |
| | 8.5 | 123 | 10.82 | 382 | 11.45 | 404 | 55 | 75 | | 69 | 2200 | 1400 | 1600 | 1600 | G2" |
| | 10.5 | 152 | 10.61 | 375 | 9.89 | 349 | 55 | 75 | | 69 | 2200 | 1400 | 1600 | 1600 | G2" |
| | 13 | 189 | 10.50 | 371 | 9.66 | 341 | 55 | 75 | | 69 | 2200 | 1400 | 1600 | 1600 | G2" |
| DA-75+ | 7.5 | 109 | 14.83 | 524 | 15.02 | 530 | 75 | 100 | | 69 | 2200 | 1400 | 1600 | 1700 | G2" |
| | 8.5 | 123 | 14.52 | 513 | 14.86 | 525 | 75 | 100 | | 69 | 2200 | 1400 | 1600 | 1700 | G2" |
| | 10.5 | 152 | 10.82 | 382 | 11.66 | 412 | 75 | 100 | | 69 | 2200 | 1400 | 1600 | 1700 | G2" |
| | 13 | 189 | 10.65 | 376 | 9.92 | 350 | 75 | 100 | | 69 | 2200 | 1400 | 1600 | 1700 | G2" |
| DA-90(W)+ | 7.5 | 109 | 21.00 | 742 | 20.17 | 712 | 90 | 120 | | 72 | 2650 | 1800 | 1950 | 2500 | DN80 |
| | 8.5 | 123 | 20.00 | 706 | 19.78 | 698 | 90 | 120 | | 72 | 2650 | 1800 | 1950 | 2500 | DN80 |
| | 10.5 | 152 | 17.30 | 611 | 18.90 | 667 | 90 | 120 | | 72 | 2650 | 1800 | 1950 | 2500 | DN80 |
| | 13 | 189 | 14.50 | 512 | 16.32 | 576 | 90 | 120 | | 72 | 2650 | 1800 | 1950 | 2500 | DN80 |
| DA-110(W)+ | 7.5 | 109 | 24.00 | 847 | 23.31 | 823 | 110 | 150 | | 75 | 2650 | 1800 | 1950 | 3500 | DN80 |
| | 8.5 | 123 | 23.00 | 812 | 23.00 | 812 | 110 | 150 | | 75 | 2650 | 1800 | 1950 | 3500 | DN80 |
| | 10.5 | 152 | 19.70 | 696 | 20.16 | 712 | 110 | 150 | | 75 | 2650 | 1800 | 1950 | 3500 | DN80 |
| | 13 | 189 | 17.00 | 600 | 16.63 | 587 | 110 | 150 | | 75 | 2650 | 1800 | 1950 | 3500 | DN80 |
| DA-132(W)+ | 7.5 | 109 | 30.00 | 1059 | 27.72 | 979 | 132 | 175 | 75 | 2650 | 1800 | 1950 | 3950 | DN80 | |
| | 8.5 | 123 | 27.00 | 953 | 27.04 | 955 | 132 | 175 | 75 | 2650 | 1800 | 1950 | 3950 | DN80 | |
| | 10.5 | 152 | 23.00 | 812 | 23.06 | 814 | 132 | 175 | 75 | 2650 | 1800 | 1950 | 3950 | DN80 | |
| | 13 | 189 | 20.00 | 706 | 22.68 | 801 | 132 | 175 | 75 | 2650 | 1800 | 1950 | 3950 | DN80 | |
| DA-160(W)+ | 7.5 | 109 | 34.00 | 1201 | 32.99 | 1165 | 160 | 215 | 75 | 3000 | 1950 | 2050 | 5000 | DN80 | |
| | 8.5 | 123 | 33.00 | 1165 | 32.34 | 1142 | 160 | 215 | 75 | 3000 | 1950 | 2050 | 5000 | DN80 | |
| | 10.5 | 152 | 28.00 | 989 | 27.72 | 979 | 160 | 215 | 75 | 3000 | 1950 | 2050 | 5000 | DN80 | |
| | 13 | 189 | 25.00 | 883 | 22.65 | 800 | 160 | 215 | 75 | 3000 | 1950 | 2050 | 5000 | DN80 | |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 db(A)

***) EEI 1-Energy Efficiency Index 1, which refers to enhanced energy saving series

Specifications are subject to change without notice.

| Model | Maximum Working Pressure | | Capacity FAD* | | | | Installed Motor Power | | Cooling Method | Noise level** [dB(A)] | Dimensions(mm) | | | Weight kg | Air outlet pipe diameter |
|------------|--------------------------|------|---------------------|------|---------------------|------|-----------------------|-----|---|-----------------------|----------------|------|------|-----------|--------------------------|
| | | | 50Hz | | 60Hz | | | | | | L | W | H | | |
| | bar(e) | psig | m ³ /min | cfm | m ³ /min | cfm | kW | hp | | | | | | | |
| DA-185(W)+ | 7.5 | 109 | 40.92 | 1445 | 41.05 | 1450 | 185 | 250 | Direct Driven Air Cooling W-Water Cooling | 75 | 3000 | 1950 | 2050 | 5500 | DN100 |
| | 8.5 | 123 | 40.70 | 1437 | 40.96 | 1446 | 185 | 250 | | 75 | 3000 | 1950 | 2050 | 5500 | DN100 |
| | 10.5 | 151 | 33.22 | 1173 | 33.10 | 1169 | 185 | 250 | | 75 | 3000 | 1950 | 2050 | 5500 | DN100 |
| | 13 | 189 | 26.60 | 939 | 27.19 | 960 | 185 | 250 | | 75 | 3000 | 1950 | 2050 | 5500 | DN100 |
| DA-200(W)+ | 7.5 | 109 | 43.00 | 1518 | 43.26 | 1528 | 200 | 270 | | 78 | 3500 | 2200 | 2300 | 6500 | DN100 |
| | 8.5 | 123 | 42.00 | 1483 | 42.33 | 1495 | 200 | 270 | | 78 | 3500 | 2200 | 2300 | 6500 | DN100 |
| | 10.5 | 151 | 34.00 | 1201 | 33.74 | 1191 | 200 | 270 | | 78 | 3500 | 2200 | 2300 | 6500 | DN100 |
| | 13 | 189 | 28.00 | 989 | 27.72 | 979 | 200 | 270 | | 78 | 3500 | 2200 | 2300 | 6500 | DN100 |
| DA-220(W)+ | 7.5 | 109 | 49.00 | 1730 | 52.05 | 1838 | 220 | 300 | | 78 | 3500 | 2200 | 2300 | 6700 | DN100 |
| | 8.5 | 123 | 48.00 | 1695 | 51.95 | 1834 | 220 | 300 | | 78 | 3500 | 2200 | 2300 | 6700 | DN100 |
| | 10.5 | 151 | 39.00 | 1377 | 40.53 | 1431 | 220 | 300 | | 78 | 3500 | 2200 | 2300 | 6700 | DN100 |
| | 13 | 189 | 33.50 | 1183 | 33.40 | 1179 | 220 | 300 | | 78 | 3500 | 2200 | 2300 | 6700 | DN100 |
| DA-250(W)+ | 7.5 | 109 | 54.00 | 1907 | 57.35 | 2025 | 250 | 350 | | 78 | 3500 | 2200 | 2300 | 6800 | DN100 |
| | 8.5 | 123 | 52.00 | 1836 | 56.01 | 1978 | 250 | 350 | | 78 | 3500 | 2200 | 2300 | 6800 | DN100 |
| | 10.5 | 151 | 43.00 | 1518 | 46.78 | 1652 | 250 | 350 | | 78 | 3500 | 2200 | 2300 | 6800 | DN100 |
| | 13 | 189 | 39.00 | 1377 | 40.13 | 1417 | 250 | 350 | | 78 | 3500 | 2200 | 2300 | 6800 | DN100 |
| DA-280(W)+ | 7.5 | 109 | 56.55 | 1997 | 61.57 | 2174 | 280 | 375 | 78 | 4300 | 2400 | 2350 | 7500 | DN125 | |
| | 8.5 | 123 | 55.48 | 1959 | 60.39 | 2131 | 280 | 375 | 78 | 4300 | 2400 | 2350 | 7500 | DN125 | |
| | 10.5 | 151 | 47.66 | 1683 | 50.89 | 1797 | 280 | 375 | 78 | 4300 | 2400 | 2350 | 7500 | DN125 | |
| | 13 | 189 | 41.99 | 1483 | 46.31 | 1635 | 280 | 375 | 78 | 4300 | 2400 | 2350 | 7500 | DN125 | |
| DA-315(W)+ | 7.5 | 109 | 63.91 | 2257 | 67.86 | 2396 | 315 | 425 | 80 | 4300 | 2400 | 2350 | 7800 | DN125 | |
| | 8.5 | 123 | 62.70 | 2214 | 66.57 | 2351 | 315 | 425 | 80 | 4300 | 2400 | 2350 | 7800 | DN125 | |
| | 10.5 | 151 | 50.99 | 1977 | 57.19 | 2019 | 315 | 425 | 80 | 4300 | 2400 | 2350 | 7800 | DN125 | |
| | 13 | 189 | 42.41 | 1497 | 49.91 | 1762 | 315 | 425 | 80 | 4300 | 2400 | 2350 | 7800 | DN125 | |
| DA-355(W)+ | 7.5 | 109 | 74.11 | 2617 | 75.64 | 2671 | 355 | 475 | 80 | 4300 | 2400 | 2350 | 8500 | DN125 | |
| | 8.5 | 123 | 73.40 | 2592 | 74.05 | 2615 | 355 | 475 | 80 | 4300 | 2400 | 2350 | 8500 | DN125 | |
| | 10.5 | 151 | 63.28 | 2234 | 67.18 | 2372 | 355 | 475 | 80 | 4300 | 2400 | 2350 | 8500 | DN125 | |
| | 13 | 189 | 47.66 | 1683 | 50.89 | 1797 | 355 | 475 | 80 | 4300 | 2400 | 2350 | 8500 | DN125 | |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 dB(A)

***) EEI 1-Energy Efficiency Index 1, which refers to enhanced energy saving series

Specifications are subject to change without notice.

| Model | Maximum Working Pressure | | Capacity FAD* | | | | Installed Motor Power | | Cooling Method | Noise level** [dB(A)] | Dimensions(mm) | | | Weight kg | Air outlet pipe diameter | |
|-------|--------------------------|------|---------------|-----|--------|-----|-----------------------|-----|----------------|------------------------------|----------------|------|------|-----------|--------------------------|---------|
| | | | 50Hz | | 60Hz | | kW | hp | | | L | W | H | | | |
| | bar(e) | psig | m³/min | cfm | m³/min | cfm | | | | | | | | | | |
| DA-5 | 7.5 | 109 | 0.85 | 30 | 0.87 | 31 | 5.5 | 7.5 | Belt Driven | 62 | 900 | 660 | 960 | 180 | G3/4" | |
| | 8.5 | 123 | 0.81 | 29 | 0.84 | 30 | 5.5 | 7.5 | | 62 | 900 | 660 | 960 | 180 | G3/4" | |
| DA-7 | 7.5 | 109 | 1.04 | 37 | 1.02 | 36 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 200 | G3/4" | |
| | 8.5 | 123 | 0.98 | 34 | 1.00 | 35 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 200 | G3/4" | |
| | 10.5 | 152 | 0.89 | 32 | 0.89 | 32 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 200 | G3/4" | |
| | 13 | 189 | 0.72 | 25 | 0.74 | 26 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 200 | G3/4" | |
| DA-11 | 7.5 | 109 | 1.76 | 62 | 1.76 | 62 | 11 | 15 | | 62 | 900 | 660 | 960 | 255 | G3/4" | |
| | 8.5 | 123 | 1.73 | 61 | 1.70 | 60 | 11 | 15 | | 62 | 900 | 660 | 960 | 255 | G3/4" | |
| | 10.5 | 152 | 1.37 | 48 | 1.37 | 48 | 11 | 15 | | 62 | 900 | 660 | 960 | 255 | G3/4" | |
| | 13 | 189 | 1.12 | 40 | 1.12 | 40 | 11 | 15 | | 62 | 900 | 660 | 960 | 255 | G3/4" | |
| DA-15 | 7.5 | 109 | 2.53 | 89 | 2.43 | 86 | 15 | 20 | | Direct Driven Air Cooling | 64 | 1330 | 840 | 1030 | 300 | G1-1/4" |
| | 8.5 | 123 | 2.43 | 88 | 2.38 | 84 | 15 | 20 | | | 64 | 1330 | 840 | 1030 | 300 | G1-1/4" |
| | 10.5 | 152 | 2.03 | 72 | 2.34 | 83 | 15 | 20 | | | 64 | 1330 | 840 | 1030 | 300 | G1-1/4" |
| | 13 | 189 | 1.98 | 70 | 2.27 | 80 | 15 | 20 | | | 64 | 1330 | 840 | 1030 | 300 | G1-1/4" |
| DA-18 | 7.5 | 109 | 3.00 | 106 | 3.63 | 128 | 18.5 | 25 | | | 64 | 1330 | 840 | 1030 | 375 | G1-1/4" |
| | 8.5 | 123 | 2.94 | 104 | 3.54 | 125 | 18.5 | 25 | | | 64 | 1330 | 840 | 1030 | 375 | G1-1/4" |
| | 10.5 | 152 | 2.90 | 102 | 2.37 | 84 | 18.5 | 25 | 64 | | 1330 | 840 | 1030 | 375 | G1-1/4" | |
| | 13 | 189 | 2.02 | 71 | 2.34 | 83 | 18.5 | 25 | 64 | | 1330 | 840 | 1030 | 375 | G1-1/4" | |
| DA-22 | 7.5 | 109 | 3.70 | 131 | 3.70 | 131 | 22 | 30 | 66 | | 1330 | 840 | 1030 | 420 | G1-1/4" | |
| | 8.5 | 123 | 3.61 | 127 | 3.61 | 128 | 22 | 30 | 66 | | 1330 | 840 | 1030 | 420 | G1-1/4" | |
| | 10.5 | 152 | 3.54 | 125 | 3.52 | 124 | 22 | 30 | 66 | | 1330 | 840 | 1030 | 420 | G1-1/4" | |
| | 13 | 189 | 2.90 | 102 | 2.38 | 84 | 22 | 30 | 66 | | 1330 | 840 | 1030 | 420 | G1-1/4" | |
| DA-30 | 7.5 | 109 | 5.24 | 185 | 4.41 | 156 | 30 | 40 | 66 | | 1600 | 1000 | 1400 | 645 | G11/2" | |
| | 8.5 | 123 | 5.14 | 181 | 4.31 | 152 | 30 | 40 | 66 | | 1600 | 1000 | 1400 | 645 | G11/2" | |
| | 10.5 | 152 | 5.11 | 180 | 3.64 | 129 | 30 | 40 | 66 | | 1600 | 1000 | 1400 | 645 | G11/2" | |
| | 13 | 189 | 3.43 | 121 | 3.54 | 125 | 30 | 40 | 66 | | 1600 | 1000 | 1400 | 645 | G11/2" | |
| DA-37 | 7.5 | 109 | 6.50 | 230 | 7.73 | 273 | 37 | 50 | 66 | | 1600 | 1000 | 1400 | 680 | G11/2" | |
| | 8.5 | 123 | 6.47 | 228 | 7.63 | 269 | 37 | 50 | 66 | | 1600 | 1000 | 1400 | 680 | G11/2" | |
| | 10.5 | 152 | 6.32 | 223 | 6.39 | 226 | 37 | 50 | 66 | | 1600 | 1000 | 1400 | 680 | G11/2" | |
| | 13 | 189 | 5.10 | 180 | 6.28 | 222 | 37 | 50 | 66 | | 1600 | 1000 | 1400 | 680 | G11/2" | |
| DA-45 | 7.5 | 109 | 7.65 | 270 | 7.88 | 278 | 45 | 60 | 69 | | 1600 | 1000 | 1400 | 840 | G11/2" | |
| | 8.5 | 123 | 7.60 | 268 | 7.70 | 272 | 45 | 60 | 69 | | 1600 | 1000 | 1400 | 840 | G11/2" | |
| | 10.5 | 152 | 6.57 | 232 | 7.18 | 254 | 45 | 60 | 69 | | 1600 | 1000 | 1400 | 840 | G11/2" | |
| | 13 | 189 | 6.39 | 226 | 6.34 | 224 | 45 | 60 | 69 | | 1600 | 1000 | 1400 | 840 | G11/2" | |
| DA-55 | 7.5 | 109 | 9.80 | 346 | 9.20 | 325 | 55 | 75 | 69 | 1800 | 1200 | 1400 | 1250 | G2" | | |
| | 8.5 | 123 | 9.71 | 343 | 9.06 | 320 | 55 | 75 | 69 | 1800 | 1200 | 1400 | 1250 | G2" | | |
| | 10.5 | 152 | 9.24 | 326 | 7.80 | 275 | 55 | 75 | 69 | 1800 | 1200 | 1400 | 1250 | G2" | | |
| | 13 | 189 | 7.35 | 260 | 7.59 | 268 | 55 | 75 | 69 | 1800 | 1200 | 1400 | 1250 | G2" | | |
| DA-75 | 7.5 | 109 | 13.91 | 491 | 12.53 | 442 | 75 | 100 | 69 | 1800 | 1200 | 1400 | 1350 | G2" | | |
| | 8.5 | 123 | 12.66 | 447 | 11.71 | 413 | 75 | 100 | 69 | 1800 | 1200 | 1400 | 1350 | G2" | | |
| | 10.5 | 152 | 9.51 | 336 | 10.26 | 362 | 75 | 100 | 69 | 1800 | 1200 | 1400 | 1350 | G2" | | |
| | 13 | 189 | 9.24 | 326 | 9.42 | 333 | 75 | 100 | 69 | 1800 | 1200 | 1400 | 1350 | G2" | | |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 dB(A)

***) EEI 1-Energy Efficiency Index 1, which refers to enhanced energy saving series

Specifications are subject to change without notice.

| Model | Maximum Working Pressure | | Capacity FAD* | | | | Installed Motor Power | | Cooling Method | Noise level** [dB(A)] | Dimensions(mm) | | | Weight kg | Air outlet pipe diameter |
|-----------|--------------------------|------|---------------|------|--------|------|-----------------------|-----|---|-----------------------|----------------|------|------|-----------|--------------------------|
| | | | 50Hz | | 60Hz | | | | | | L | W | H | | |
| | bar(e) | psig | m³/min | cfm | m³/min | cfm | kW | hp | | | | | | | |
| DA-90(W) | 7.5 | 109 | 16.90 | 597 | 16.91 | 597 | 90 | 120 | Direct Driven Air Cooling W-water Cooling | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| | 8.5 | 123 | 16.70 | 590 | 16.80 | 593 | 90 | 120 | | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| | 10.5 | 152 | 14.50 | 512 | 14.76 | 521 | 90 | 120 | | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| | 13 | 189 | 12.50 | 441 | 11.42 | 403 | 90 | 120 | | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| DA-110(W) | 7.5 | 109 | 20.80 | 734 | 20.06 | 708 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 8.5 | 123 | 20.00 | 706 | 19.98 | 706 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 10.5 | 152 | 17.50 | 618 | 16.80 | 593 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 13 | 189 | 14.50 | 512 | 14.67 | 518 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| DA-132(W) | 7.5 | 109 | 23.50 | 830 | 24.43 | 863 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 8.5 | 123 | 23.20 | 819 | 23.83 | 842 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| | 10.5 | 152 | 19.83 | 700 | 19.79 | 699 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| | 13 | 189 | 16.46 | 581 | 16.64 | 588 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| DA-160(W) | 7.5 | 109 | 28.00 | 989 | 27.99 | 988 | 160 | 215 | | 75 | 2650 | 1700 | 1760 | 3150 | DN80 |
| | 8.5 | 123 | 27.00 | 953 | 27.32 | 965 | 160 | 215 | | 75 | 2650 | 1700 | 1760 | 3150 | DN80 |
| | 10.5 | 152 | 24.00 | 847 | 24.03 | 849 | 160 | 215 | | 75 | 2650 | 1700 | 1760 | 3150 | DN80 |
| | 13 | 189 | 20.00 | 706 | 19.75 | 697 | 160 | 215 | | 75 | 2650 | 1700 | 1760 | 3150 | DN80 |
| DA-185(W) | 7.5 | 109 | 30.20 | 1066 | 30.45 | 1075 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| | 8.5 | 123 | 30.14 | 1064 | 30.06 | 1061 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| | 10.5 | 152 | 26.24 | 927 | 27.54 | 972 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| | 13 | 189 | 23.08 | 815 | 23.75 | 839 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| DA-200(W) | 7.5 | 109 | 35.00 | 1236 | 31.03 | 1096 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN100 | |
| | 8.5 | 123 | 34.00 | 1201 | 30.35 | 1071 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN100 | |
| | 10.5 | 152 | 30.00 | 1059 | 29.69 | 1048 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN100 | |
| | 13 | 189 | 26.00 | 918 | 26.97 | 952 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN100 | |
| DA-220(W) | 7.5 | 109 | 36.50 | 1289 | 37.68 | 1331 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| | 8.5 | 123 | 36.00 | 1271 | 33.24 | 1174 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| | 10.5 | 152 | 31.63 | 1117 | 33.16 | 1171 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| | 13 | 189 | 28.55 | 1008 | 26.97 | 952 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| DA-250(W) | 7.5 | 109 | 45.30 | 1600 | 42.99 | 1518 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN125 | |
| | 8.5 | 123 | 43.00 | 1518 | 42.17 | 1489 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN125 | |
| | 10.5 | 152 | 37.00 | 1306 | 33.50 | 1183 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN125 | |
| | 13 | 189 | 32.50 | 1148 | 32.74 | 1156 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN125 | |
| DA-280(W) | 7.5 | 109 | 46.47 | 1641 | 47.16 | 1665 | 280 | 375 | 78 | 3700 | 2350 | 2450 | 4600 | DN125 | |
| | 8.5 | 123 | 45.53 | 1608 | 45.64 | 1612 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4600 | DN125 | |
| | 10.5 | 152 | 40.89 | 1444 | 41.03 | 1449 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4600 | DN125 | |
| | 13 | 189 | 35.81 | 1264 | 36.75 | 1298 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4600 | DN125 | |
| DA-315(W) | 7.5 | 109 | 53.03 | 1872 | 50.88 | 1797 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 6700 | DN125 | |
| | 8.5 | 123 | 52.50 | 1854 | 48.52 | 1713 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 6700 | DN125 | |
| | 10.5 | 152 | 46.69 | 1649 | 45.51 | 1607 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 6700 | DN125 | |
| | 13 | 189 | 42.82 | 1512 | 40.86 | 1443 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 6700 | DN125 | |
| DA-355W | 7.5 | 109 | 63.21 | 2232 | 54.57 | 1927 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7200 | DN125 | |
| | 8.5 | 123 | 61.80 | 2182 | 53.55 | 1891 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7200 | DN125 | |
| | 10.5 | 152 | 51.50 | 1818 | 47.12 | 1663 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7200 | DN125 | |
| | 13 | 189 | 46.65 | 1612 | 43.64 | 1540 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7200 | DN125 | |
| DA-400W | 7.5 | 109 | 68.78 | 2429 | 70.77 | 2499 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8500 | DN125 | |
| | 8.5 | 123 | 66.95 | 2364 | 69.01 | 2437 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8500 | DN125 | |
| | 10.5 | 152 | 52.50 | 1854 | 48.04 | 1696 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8500 | DN125 | |
| | 13 | 189 | 46.54 | 1643 | 44.49 | 1571 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8500 | DN125 | |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 dB(A)

***) EEI 1-Energy Efficiency Index 1, which refers to enhanced energy saving series

Specifications are subject to change without notice.

OIL-INJECTED ROTARY SCREW AIR COMPRESSOR (VSD)

Features and advantages



Variable Speed Drive

- Different variable speed drive brands available such as INVIT, ABB, Bosch etc.
- VSD: variable volume, controlled costs: there is no unnecessary power generated, the COMPACT DVA models can reduce energy costs by 35% or more. Life cycle costs of the compressor can be reduced by an average of 22%

01



State-of-the-art Screw Element

- Original COMPACT air end.
- Advanced SAP profile design
- The material of the rotors is American specialty steel.
- Superior Sweden SKF element bearings.

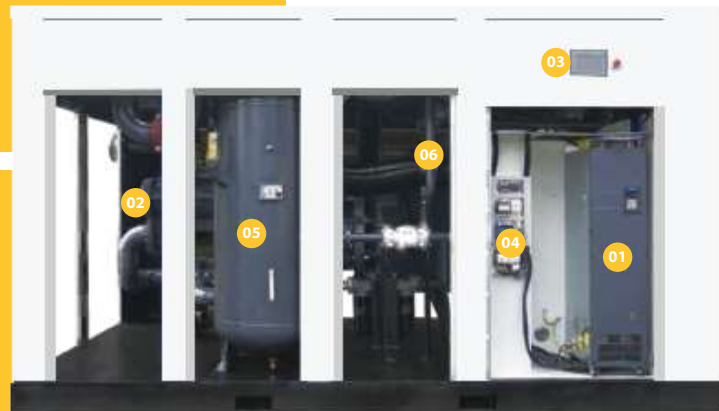
02



Smart Controller

- Increased reliability: durable keyboard, user-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation system with main operation conditions include warning indications, maintenance scheduling etc.

03



Intelligent Control and Protection

- Schneider electrical elements with original package from Germany, safe and reliable.
- Reasonable, simple and clear wiring, easy for maintenance.
- Good protection function ensures the stable running of the compressor unit.

04



Efficient Separation System

- Reduction of pressure drops and energy costs.
- Low oil consumption ensures minimal maintenance costs and long compressor lifetime.
- Quality air with low oil content: - three step air-oil separation (centrifuge, gravity, filter)
 - oil content: less than 3 ppm by weight
 - hinged cover for easy separator element change

05



Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant (400 °C=752°F) and low temperature resistant (-270°C=-518°F), high pressure resistant.
- Ultra-long life (80 years), completely leak free and maintenance free.

06

| Model | Maximum Working Pressure | | Capacity FAD* | | | | | | | | Installed Motor Power | | Driving Model & Cooling Method | Noise level** [db(A)] | Dimensions(mm) | | | Weight | Air outlet pipe diameter | | | | |
|--------|--------------------------|------|---------------|-------|--------|------|------|-------|------|------|-----------------------|-----|--------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|--------------------------|---------|---------|---------|-----|
| | | | 50Hz | | | | 60Hz | | | | | | | | | | | | | | | | |
| | bar(e) | psig | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | kW | hp | | | L | W | H | kg | | | | | |
| | | | m³/min | cfm | m³/min | cfm | | | | | | | | | | | | | | | | | |
| DVA-5 | 7.5 | 109 | 0.43 | 0.85 | 15 | 30 | 0.44 | 0.87 | 16 | 31 | 5.5 | 7.5 | Belt Driven | 62 | 900 | 660 | 960 | 200 | G3/4" | | | | |
| | 8.5 | 123 | 0.41 | 0.81 | 14 | 29 | 0.42 | 0.84 | 15 | 30 | 5.5 | 7.5 | | 62 | 900 | 660 | 960 | 200 | G3/4" | | | | |
| DVA-7 | 7.5 | 109 | 0.52 | 1.04 | 18 | 37 | 0.51 | 1.02 | 19 | 36 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 220 | G3/4" | | | | |
| | 8.5 | 123 | 0.49 | 0.98 | 17 | 34 | 0.50 | 1.00 | 18 | 35 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 220 | G3/4" | | | | |
| | 10.5 | 152 | 0.45 | 0.89 | 16 | 32 | 0.45 | 0.89 | 16 | 32 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 220 | G3/4" | | | | |
| | 13 | 189 | 0.36 | 0.72 | 13 | 25 | 0.37 | 0.74 | 13 | 26 | 7.5 | 10 | | 62 | 900 | 660 | 960 | 220 | G3/4" | | | | |
| DVA-11 | 7.5 | 109 | 0.88 | 1.76 | 32 | 62 | 0.88 | 1.76 | 31 | 62 | 11 | 15 | | 62 | 900 | 660 | 960 | 280 | G3/4" | | | | |
| | 8.5 | 123 | 0.87 | 1.73 | 31 | 61 | 0.85 | 1.70 | 30 | 60 | 11 | 15 | | 62 | 900 | 660 | 960 | 280 | G3/4" | | | | |
| | 10.5 | 152 | 0.69 | 1.37 | 24 | 48 | 0.68 | 1.37 | 24 | 48 | 11 | 15 | | 62 | 900 | 660 | 960 | 280 | G3/4" | | | | |
| | 13 | 189 | 0.56 | 1.12 | 20 | 40 | 0.56 | 1.12 | 20 | 40 | 11 | 15 | | 62 | 900 | 660 | 960 | 280 | G3/4" | | | | |
| DVA-15 | 7.5 | 109 | 1.27 | 2.53 | 45 | 89 | 1.21 | 2.43 | 43 | 86 | 15 | 20 | | Direct Driven Air Cooling | 64 | 1330 | 840 | 1030 | 325 | G1-1/4" | | | |
| | 8.5 | 123 | 1.24 | 2.48 | 44 | 88 | 1.19 | 2.38 | 42 | 84 | 15 | 20 | | | 64 | 1330 | 840 | 1030 | 325 | G1-1/4" | | | |
| | 10.5 | 152 | 1.02 | 2.03 | 36 | 72 | 1.17 | 2.34 | 41 | 83 | 15 | 20 | | | 64 | 1330 | 840 | 1030 | 325 | G1-1/4" | | | |
| | 13 | 189 | 0.99 | 1.98 | 35 | 70 | 1.14 | 2.27 | 40 | 80 | 15 | 20 | | | 64 | 1330 | 840 | 1030 | 325 | G1-1/4" | | | |
| DVA-18 | 7.5 | 109 | 1.50 | 3.00 | 53 | 106 | 1.82 | 3.63 | 64 | 128 | 18.5 | 25 | | | 64 | 1330 | 840 | 1030 | 400 | G1-1/4" | | | |
| | 8.5 | 123 | 1.47 | 2.94 | 52 | 104 | 1.77 | 3.54 | 63 | 125 | 18.5 | 25 | | | 64 | 1330 | 840 | 1030 | 400 | G1-1/4" | | | |
| | 10.5 | 152 | 1.45 | 2.90 | 51 | 102 | 1.19 | 2.37 | 42 | 84 | 18.5 | 25 | | | 64 | 1330 | 840 | 1030 | 400 | G1-1/4" | | | |
| | 13 | 189 | 1.01 | 2.02 | 36 | 71 | 1.17 | 2.34 | 41 | 83 | 18.5 | 25 | | | 64 | 1330 | 840 | 1030 | 400 | G1-1/4" | | | |
| DVA-22 | 7.5 | 109 | 1.85 | 3.70 | 65 | 131 | 1.85 | 3.70 | 65 | 131 | 22 | 30 | | | Direct Driven Air Cooling | 66 | 1330 | 840 | 1030 | 440 | G1-1/4" | | |
| | 8.5 | 123 | 1.81 | 3.61 | 64 | 127 | 1.81 | 3.61 | 64 | 128 | 22 | 30 | | | | 66 | 1330 | 840 | 1030 | 440 | G1-1/4" | | |
| | 10.5 | 152 | 1.77 | 3.54 | 62 | 125 | 1.76 | 3.52 | 62 | 124 | 22 | 30 | 66 | | | 1330 | 840 | 1030 | 440 | G1-1/4" | | | |
| | 13 | 189 | 1.45 | 2.90 | 51 | 102 | 1.19 | 2.38 | 42 | 84 | 22 | 30 | 66 | | | 1330 | 840 | 1030 | 440 | G1-1/4" | | | |
| DVA-30 | 7.5 | 109 | 2.62 | 5.24 | 93 | 185 | 2.21 | 4.41 | 78 | 156 | 30 | 40 | Direct Driven Air Cooling | | | 66 | 1600 | 1000 | 1400 | 670 | G1 1/2" | | |
| | 8.5 | 123 | 2.57 | 5.14 | 91 | 181 | 2.15 | 4.31 | 76 | 152 | 30 | 40 | | | | 66 | 1600 | 1000 | 1400 | 670 | G1 1/2" | | |
| | 10.5 | 152 | 2.56 | 5.11 | 90 | 180 | 1.82 | 3.64 | 64 | 129 | 30 | 40 | | | | 66 | 1600 | 1000 | 1400 | 670 | G1 1/2" | | |
| | 13 | 189 | 1.72 | 3.43 | 61 | 121 | 1.77 | 3.54 | 63 | 125 | 30 | 40 | | | | 66 | 1600 | 1000 | 1400 | 670 | G1 1/2" | | |
| DVA-37 | 7.5 | 109 | 3.25 | 6.50 | 115 | 230 | 3.86 | 7.73 | 136 | 273 | 37 | 50 | | | | Direct Driven Air Cooling | 66 | 1600 | 1000 | 1400 | 710 | G1 1/2" | |
| | 8.5 | 123 | 3.24 | 6.47 | 114 | 228 | 3.81 | 7.63 | 135 | 269 | 37 | 50 | | | | | 66 | 1600 | 1000 | 1400 | 710 | G1 1/2" | |
| | 10.5 | 152 | 3.16 | 6.32 | 112 | 223 | 3.20 | 6.39 | 113 | 226 | 37 | 50 | | | | | 66 | 1600 | 1000 | 1400 | 710 | G1 1/2" | |
| | 13 | 189 | 2.55 | 5.10 | 90 | 180 | 3.14 | 6.28 | 111 | 222 | 37 | 50 | | | | | 66 | 1600 | 1000 | 1400 | 710 | G1 1/2" | |
| DVA-45 | 7.5 | 109 | 3.83 | 7.65 | 135 | 270 | 3.94 | 7.88 | 139 | 278 | 45 | 60 | | Direct Driven Air Cooling | | | 69 | 1600 | 1000 | 1400 | 860 | G1 1/2" | |
| | 8.5 | 123 | 3.80 | 7.60 | 134 | 268 | 3.85 | 7.70 | 136 | 272 | 45 | 60 | | | | | 69 | 1600 | 1000 | 1400 | 860 | G1 1/2" | |
| | 10.5 | 152 | 3.28 | 6.57 | 116 | 232 | 3.59 | 7.18 | 127 | 254 | 45 | 60 | | | | | 69 | 1600 | 1000 | 1400 | 860 | G1 1/2" | |
| | 13 | 189 | 3.20 | 6.39 | 113 | 226 | 3.17 | 6.34 | 112 | 224 | 45 | 60 | | | | | 69 | 1600 | 1000 | 1400 | 860 | G1 1/2" | |
| DVA-55 | 7.5 | 109 | 4.90 | 9.80 | 173 | 346 | 4.60 | 9.20 | 162 | 325 | 55 | 75 | | | | | Direct Driven Air Cooling | 69 | 1800 | 1200 | 1400 | 1350 | G2" |
| | 8.5 | 123 | 4.86 | 9.71 | 171 | 343 | 4.53 | 9.06 | 160 | 320 | 55 | 75 | | | | | | 69 | 1800 | 1200 | 1400 | 1350 | G2" |
| | 10.5 | 152 | 4.62 | 9.24 | 163 | 326 | 3.90 | 7.80 | 138 | 275 | 55 | 75 | | | | | | 69 | 1800 | 1200 | 1400 | 1350 | G2" |
| | 13 | 189 | 3.68 | 7.35 | 130 | 260 | 3.80 | 7.59 | 134 | 268 | 55 | 75 | | | | | | 69 | 1800 | 1200 | 1400 | 1350 | G2" |
| DVA-75 | 7.5 | 109 | 6.96 | 13.91 | 246 | 491 | 6.27 | 12.53 | 221 | 442 | 75 | 100 | | | Direct Driven Air Cooling | | | 69 | 1800 | 1200 | 1400 | 1450 | G2" |
| | 8.5 | 123 | 6.33 | 12.66 | 224 | 447 | 5.86 | 11.71 | 207 | 413 | 75 | 100 | | | | | | 69 | 1800 | 1200 | 1400 | 1450 | G2" |
| | 10.5 | 152 | 4.76 | 9.51 | 168 | 336 | 5.13 | 10.26 | 181 | 362 | 75 | 100 | | | | | | 69 | 1800 | 1200 | 1400 | 1450 | G2" |
| | 13 | 189 | 4.62 | 9.24 | 163 | 326 | 4.71 | 9.42 | 166 | 333 | 75 | 100 | | | | | | 69 | 1800 | 1200 | 1400 | 1450 | G2" |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 dB(A)

Specifications are subject to change without notice.

| Model | Maximum Working Pressure | | Capacity FAD* | | | | | | | | Installed Motor Power | | Driving Model & Cooling Method | Noise level** | Dimensions(mm) | | | Weight | Air outlet pipe diameter |
|------------|--------------------------|--------|---------------|-------|------|--------|-------|-------|------|------|-----------------------|---------|---|---------------|----------------|------|------|--------|--------------------------|
| | | | 50Hz | | | | 60Hz | | | | | | | | L | W | H | | |
| | | | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | | | | | | | | | |
| bar(e) | psig | m³/min | | cfm | | m³/min | | cfm | | kW | hp | [dB(A)] | | | | kg | | | |
| DVA-90 | 7.5 | 109 | 8.45 | 16.90 | 298 | 597 | 8.45 | 16.91 | 298 | 597 | 90 | 120 | Direct Driven Air Cooling W-Water Cooling | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| | 8.5 | 123 | 8.35 | 16.70 | 295 | 590 | 8.40 | 16.80 | 297 | 593 | 90 | 120 | | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| | 10.5 | 152 | 7.25 | 14.50 | 256 | 512 | 7.38 | 14.76 | 261 | 521 | 90 | 120 | | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| | 13 | 189 | 6.25 | 12.50 | 221 | 441 | 5.71 | 11.42 | 202 | 403 | 90 | 120 | | 72 | 2450 | 1800 | 1700 | 2100 | DN80 |
| DVA-110 | 7.5 | 109 | 10.40 | 20.80 | 367 | 734 | 10.03 | 20.06 | 354 | 708 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 8.5 | 123 | 10.00 | 20.00 | 353 | 706 | 9.99 | 19.98 | 353 | 706 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 10.5 | 152 | 8.75 | 17.50 | 309 | 618 | 8.40 | 16.80 | 297 | 593 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| | 13 | 189 | 7.25 | 14.50 | 256 | 512 | 7.33 | 14.67 | 259 | 518 | 110 | 150 | | 75 | 2450 | 1800 | 1700 | 2500 | DN80 |
| DVA-132 | 7.5 | 109 | 11.75 | 23.50 | 415 | 830 | 12.22 | 24.43 | 431 | 863 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| | 8.5 | 123 | 11.60 | 23.20 | 410 | 819 | 11.92 | 23.83 | 421 | 842 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| | 10.5 | 152 | 9.92 | 19.83 | 350 | 700 | 9.90 | 19.79 | 349 | 699 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| | 13 | 189 | 8.23 | 16.46 | 291 | 581 | 8.32 | 16.64 | 294 | 588 | 132 | 175 | | 75 | 2450 | 1800 | 1700 | 2600 | DN80 |
| DVA-160 | 7.5 | 109 | 14.00 | 28.00 | 494 | 989 | 14.00 | 27.99 | 494 | 988 | 160 | 215 | 75 | 2650 | 1700 | 1760 | 3150 | DN80 | |
| | 8.5 | 123 | 13.50 | 27.00 | 477 | 953 | 13.66 | 27.32 | 482 | 965 | 160 | 215 | 75 | 2650 | 1700 | 1760 | 3150 | DN80 | |
| | 10.5 | 152 | 12.00 | 24.00 | 424 | 847 | 12.02 | 24.03 | 424 | 849 | 160 | 215 | 75 | 2650 | 1700 | 1760 | 3150 | DN80 | |
| | 13 | 189 | 10.00 | 20.00 | 353 | 706 | 9.88 | 19.75 | 349 | 697 | 160 | 215 | 75 | 2650 | 1700 | 1760 | 3150 | DN80 | |
| DVA-185(W) | 7.5 | 109 | 15.10 | 30.20 | 533 | 1066 | 15.23 | 30.45 | 538 | 1075 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| | 8.5 | 123 | 15.07 | 30.14 | 532 | 1064 | 15.03 | 30.06 | 531 | 1061 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| | 10.5 | 152 | 13.12 | 26.24 | 463 | 927 | 13.77 | 27.54 | 486 | 972 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| | 13 | 189 | 11.54 | 23.08 | 407 | 815 | 11.88 | 23.75 | 419 | 839 | 185 | 250 | 75 | 2650 | 1700 | 1760 | 3550 | DN80 | |
| DVA-200(W) | 7.5 | 109 | 17.50 | 35.00 | 618 | 1236 | 15.52 | 31.03 | 548 | 1096 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN 100 | |
| | 8.5 | 123 | 17.00 | 34.00 | 600 | 1201 | 15.17 | 30.35 | 536 | 1071 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN 100 | |
| | 10.5 | 152 | 15.00 | 30.00 | 530 | 1059 | 14.85 | 29.69 | 524 | 1048 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN 100 | |
| | 13 | 189 | 13.00 | 26.00 | 459 | 918 | 13.49 | 26.97 | 476 | 952 | 200 | 270 | 78 | 3000 | 1950 | 2050 | 4200 | DN 100 | |
| DVA-220(W) | 7.5 | 109 | 18.25 | 36.50 | 644 | 1289 | 18.84 | 37.68 | 665 | 1331 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| | 8.5 | 123 | 18.00 | 36.00 | 636 | 1271 | 16.62 | 33.24 | 587 | 1174 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| | 10.5 | 152 | 15.82 | 31.63 | 558 | 1117 | 16.58 | 33.16 | 585 | 1171 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| | 13 | 189 | 14.28 | 28.55 | 504 | 1008 | 13.49 | 26.97 | 476 | 952 | 220 | 300 | 78 | 3000 | 1950 | 2050 | 4300 | DN100 | |
| DVA-250(W) | 7.5 | 109 | 22.65 | 45.30 | 800 | 1600 | 21.49 | 42.99 | 759 | 1518 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN100 | |
| | 8.5 | 123 | 21.50 | 43.00 | 759 | 1518 | 21.08 | 42.17 | 744 | 1489 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN100 | |
| | 10.5 | 152 | 18.50 | 37.00 | 653 | 1306 | 16.75 | 33.50 | 591 | 1183 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN100 | |
| | 13 | 189 | 16.25 | 32.50 | 574 | 1148 | 16.37 | 32.74 | 578 | 1156 | 250 | 350 | 78 | 3000 | 1950 | 2050 | 4400 | DN100 | |
| DVA-280(W) | 7.5 | 109 | 23.24 | 46.47 | 820 | 1641 | 23.58 | 47.16 | 833 | 1665 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4900 | DN125 | |
| | 8.5 | 123 | 22.77 | 45.53 | 804 | 1608 | 22.82 | 45.64 | 806 | 1612 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4900 | DN125 | |
| | 10.5 | 152 | 20.45 | 40.89 | 722 | 1444 | 20.52 | 41.03 | 724 | 1449 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4900 | DN125 | |
| | 13 | 189 | 17.91 | 35.81 | 632 | 1264 | 18.38 | 36.75 | 649 | 1298 | 280 | 375 | 78 | 3700 | 2300 | 2450 | 4900 | DN125 | |
| DVA-315(W) | 7.5 | 109 | 26.52 | 53.03 | 936 | 1872 | 25.44 | 50.88 | 898 | 1797 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 7000 | DN125 | |
| | 8.5 | 123 | 26.25 | 52.50 | 927 | 1854 | 24.26 | 48.52 | 857 | 1713 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 7000 | DN125 | |
| | 10.5 | 152 | 23.35 | 46.69 | 824 | 1649 | 22.75 | 45.51 | 803 | 1607 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 7000 | DN125 | |
| | 13 | 189 | 21.41 | 42.82 | 756 | 1512 | 20.43 | 40.86 | 721 | 1443 | 315 | 425 | 80 | 3700 | 2300 | 2450 | 7000 | DN125 | |
| DVA-355W | 7.5 | 109 | 31.61 | 63.21 | 1116 | 2232 | 27.29 | 54.57 | 963 | 1927 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7500 | DN125 | |
| | 8.5 | 123 | 30.90 | 61.80 | 1091 | 2182 | 26.78 | 53.55 | 945 | 1891 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7500 | DN125 | |
| | 10.5 | 152 | 25.75 | 51.50 | 909 | 1818 | 23.56 | 47.12 | 832 | 1663 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7500 | DN125 | |
| | 13 | 189 | 22.83 | 45.65 | 806 | 1612 | 21.82 | 43.64 | 770 | 1540 | 355 | 475 | 80 | 3700 | 2300 | 2450 | 7500 | DN125 | |
| DVA-400W | 7.5 | 109 | 34.39 | 68.78 | 1214 | 2429 | 35.39 | 70.77 | 1249 | 2499 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8800 | DN125 | |
| | 8.5 | 123 | 33.48 | 66.95 | 1182 | 2364 | 35.51 | 69.01 | 1218 | 2437 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8800 | DN125 | |
| | 10.5 | 152 | 26.25 | 52.50 | 927 | 1854 | 24.02 | 48.04 | 848 | 1696 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8800 | DN125 | |
| | 13 | 189 | 23.27 | 46.54 | 822 | 1643 | 22.24 | 44.49 | 785 | 1571 | 400 | 550 | 80 | 3700 | 2300 | 2450 | 8800 | DN125 | |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 dB(A)

Specifications are subject to change without notice.

Features and advantages



01

Two-Stage Rotary Screw Air End

- Discharge pressure is up to 40 bar(=580 psig).
- Delivers 10-17% more air than a single-stage compressor with no additional power.
- Lower compression ratio in each stage reduces bearing loads and increases air end life



02

Premium Efficiency Drive Motor

- Premium efficiency Totally Enclosed Fan Cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh environments up to 55°C (131 °F)



03

Superior Air Filter

- Superior air filter with two-stage dust removal and filtering system with efficiency of up to 99.9% even in heavy-duty environments.
- Extends the service life of the compressor parts and components, ensures high air quality.



04

Efficient Radiator

High quality aluminum fins and copper coil materials with good thermal conductivity ensure the perfect cooling efficiency.



05

Stainless Steel Oil Pipe and Air Pipe

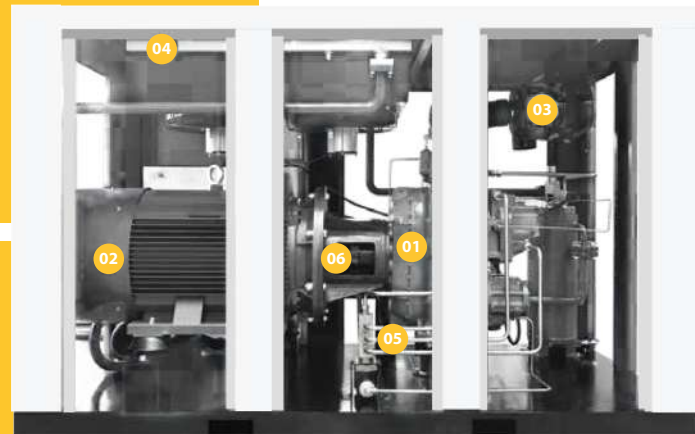
- High temperature resistant (400°C=752°F) and low temperature resistant (-270°C=-518°F), high pressure resistant.
- Ultra-long life (80 years), completely leak free and maintenance free.



06

Energy-saving 1:1 Direct Driven Design

Germany KTR brand maintenance-free coupling makes the motor drive the air end without transmission loss.



| Model | Maximum Working Pressure | | Capacity FAD* | | | | | | | | Installed Motor Power | | Cooling Method | Noise level** | Dimensions(mm) | | | Weight | Air outlet pipe diameter |
|--------------|--------------------------|------|---------------------|-------|---------------------|------|---------------------|-------|------|------|-----------------------|-----|---|---------------|----------------|------|------|--------|--------------------------|
| | | | 50Hz | | | | 60Hz | | | | | | | | | | | | |
| | bar(e) | psig | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | kW | hp | | [dB(A)] | L | W | H | kg | |
| | | | m ³ /min | cfm | m ³ /min | cfm | m ³ /min | cfm | | | | | | | | | | | |
| DVAH-110-16 | 16 | 233 | 5.47 | 10.94 | 193 | 386 | 5.81 | 11.62 | 205 | 410 | 110 | 150 | Direct Driven Air Cooling W-Water Cooling | 78 | 2800 | 1600 | 1700 | 2300 | DN50 |
| DVAH-110-18 | 18 | 261 | 7.23 | 14.46 | 255 | 511 | 5.58 | 11.16 | 197 | 394 | 110 | 150 | | 78 | 2800 | 1600 | 1700 | 2300 | DN50 |
| DVAH-110-20 | 20 | 290 | 7.18 | 14.36 | 254 | 507 | 5.38 | 10.76 | 190 | 380 | 110 | 150 | | 78 | 2800 | 1600 | 1700 | 2500 | DN50 |
| DVAH-110-25 | 25 | 363 | 7.00 | 14.01 | 247 | 495 | 5.28 | 10.56 | 187 | 373 | 110 | 150 | | 78 | 2800 | 1600 | 1700 | 2500 | DN50 |
| DVAH-110-30 | 30 | 435 | 5.40 | 10.79 | 191 | 381 | 5.15 | 10.30 | 182 | 364 | 110 | 150 | | 78 | 2800 | 1600 | 1700 | 2500 | DN50 |
| DVAH-110-35 | 35 | 508 | 5.31 | 10.62 | 185 | 375 | 5.10 | 10.20 | 180 | 360 | 110 | 150 | | 78 | 2800 | 1600 | 1700 | 4150 | DN50 |
| DVAH-110-40 | 40 | 580 | 5.22 | 10.43 | 184 | 368 | 5.05 | 10.10 | 179 | 357 | 110 | 150 | | 78 | 2800 | 1600 | 1700 | 4150 | DN50 |
| DVAH-132-16 | 16 | 233 | 6.73 | 13.46 | 238 | 475 | 7.25 | 14.50 | 256 | 512 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 2300 | DN50 |
| DVAH-132-18 | 18 | 261 | 8.67 | 17.33 | 306 | 612 | 6.49 | 12.99 | 230 | 459 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 2300 | DN50 |
| DVAH-132-20 | 20 | 290 | 7.71 | 15.43 | 272 | 545 | 6.42 | 12.84 | 227 | 453 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 2500 | DN50 |
| DVAH-132-25 | 25 | 363 | 6.54 | 13.07 | 231 | 462 | 5.25 | 12.46 | 220 | 440 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 2500 | DN50 |
| DVAH-132-30 | 30 | 435 | 5.55 | 11.10 | 196 | 392 | 5.23 | 10.50 | 186 | 371 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 2500 | DN50 |
| DVAH-132-35 | 35 | 508 | 5.46 | 10.92 | 193 | 386 | 5.20 | 10.40 | 184 | 367 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 4150 | DN50 |
| DVAH-132-40 | 40 | 580 | 5.37 | 10.73 | 189 | 379 | 5.15 | 10.30 | 182 | 364 | 132 | 175 | | 78 | 2800 | 1600 | 1700 | 4150 | DN50 |
| DVAH-160-16 | 16 | 233 | 7.70 | 15.39 | 272 | 544 | 9.38 | 18.78 | 332 | 663 | 160 | 215 | | 80 | 2800 | 1600 | 2000 | 3000 | DN65 |
| DVAH-160-18 | 18 | 261 | 10.61 | 21.21 | 374 | 749 | 9.21 | 18.43 | 326 | 651 | 160 | 215 | | 80 | 2800 | 1600 | 2000 | 3000 | DN65 |
| DVAH-160-20 | 20 | 290 | 10.47 | 20.95 | 370 | 740 | 8.06 | 16.13 | 285 | 569 | 160 | 215 | | 80 | 2800 | 1600 | 2000 | 3200 | DN65 |
| DVAH-160-25 | 25 | 363 | 8.19 | 16.39 | 289 | 579 | 7.99 | 15.97 | 282 | 564 | 160 | 215 | | 80 | 2800 | 1600 | 2000 | 3200 | DN65 |
| DVAH-185-16 | 16 | 233 | 8.16 | 16.33 | 288 | 577 | 10.30 | 20.60 | 364 | 727 | 185 | 250 | | 80 | 2800 | 1600 | 2000 | 3200 | DN65 |
| DVAH-185-18 | 18 | 261 | 11.12 | 22.24 | 393 | 785 | 10.91 | 20.37 | 360 | 719 | 185 | 280 | | 80 | 2800 | 1600 | 2000 | 3200 | DN65 |
| DVAH-185-20 | 20 | 290 | 10.57 | 21.15 | 373 | 747 | 8.81 | 17.62 | 311 | 622 | 185 | 250 | | 80 | 2800 | 1600 | 2000 | 3500 | DN65 |
| DVAH-185-25 | 25 | 363 | 10.35 | 20.71 | 366 | 731 | 7.73 | 17.45 | 308 | 616 | 185 | 250 | | 80 | 2800 | 1600 | 2000 | 3500 | DN65 |
| DVAH-200W-16 | 16 | 233 | 10.83 | 21.65 | 382 | 764 | 11.94 | 23.88 | 422 | 843 | 200 | 275 | | 80 | 3700 | 2300 | 2450 | 3200 | DN80 |
| DVAH-200W-18 | 18 | 261 | 13.27 | 26.54 | 469 | 937 | 11.32 | 22.64 | 400 | 799 | 200 | 275 | | 80 | 3700 | 2300 | 2450 | 3200 | DN80 |
| DVAH-200W-20 | 20 | 290 | 12.10 | 24.19 | 427 | 854 | 10.68 | 21.37 | 377 | 754 | 200 | 275 | | 80 | 3700 | 2300 | 2450 | 3500 | DN80 |
| DVAH-200W-25 | 25 | 363 | 11.04 | 22.04 | 389 | 778 | 9.09 | 18.19 | 321 | 642 | 200 | 275 | | 80 | 3700 | 2300 | 2450 | 3500 | DN80 |
| DVAH-220W-16 | 16 | 233 | 12.39 | 24.77 | 437 | 875 | 12.17 | 24.34 | 430 | 859 | 220 | 300 | | 80 | 3700 | 2300 | 2450 | 3600 | DN80 |
| DVAH-220W-18 | 18 | 261 | 14.11 | 28.22 | 498 | 997 | 11.84 | 23.67 | 418 | 836 | 220 | 300 | | 80 | 3700 | 2300 | 2450 | 4000 | DN80 |
| DVAH-220W-20 | 20 | 290 | 13.16 | 26.32 | 465 | 929 | 11.21 | 22.42 | 396 | 792 | 220 | 300 | | 80 | 3700 | 2300 | 2450 | 4000 | DN80 |
| DVAH-220W-25 | 25 | 363 | 11.98 | 23.95 | 423 | 846 | 10.47 | 20.94 | 370 | 739 | 220 | 300 | | 80 | 3700 | 2300 | 2450 | 4000 | DN80 |
| DVAH-250W-16 | 16 | 233 | 13.34 | 26.68 | 471 | 942 | 14.06 | 28.13 | 497 | 993 | 250 | 350 | 82 | 3700 | 2300 | 2450 | 4300 | DN80 | |
| DVAH-250W-18 | 18 | 261 | 14.92 | 29.85 | 527 | 1054 | 13.99 | 27.99 | 494 | 988 | 250 | 350 | 82 | 3700 | 2300 | 2450 | 5300 | DN80 | |
| DVAH-250W-20 | 20 | 290 | 15.05 | 30.09 | 531 | 1063 | 12.95 | 25.89 | 457 | 914 | 250 | 350 | 82 | 3700 | 2300 | 2450 | 5300 | DN80 | |
| DVAH-250W-25 | 25 | 363 | 12.78 | 25.56 | 451 | 903 | 12.45 | 24.90 | 440 | 897 | 250 | 350 | 82 | 3700 | 2300 | 2450 | 5300 | DN80 | |
| DVAH-280W-16 | 16 | 233 | 15.65 | 31.30 | 553 | 1105 | 16.51 | 33.02 | 583 | 1166 | 280 | 375 | 82 | 3700 | 2300 | 2450 | 4500 | DN80 | |
| DVAH-280W-18 | 18 | 261 | 18.69 | 37.38 | 660 | 1320 | 14.84 | 29.68 | 524 | 1048 | 280 | 375 | 82 | 3700 | 2300 | 2450 | 5500 | DN80 | |
| DVAH-280W-20 | 20 | 290 | 18.50 | 37.00 | 653 | 1307 | 14.69 | 29.38 | 519 | 1037 | 280 | 375 | 82 | 3700 | 2300 | 2450 | 5500 | DN80 | |
| DVAH-280W-25 | 25 | 363 | 15.42 | 30.85 | 545 | 1089 | 12.69 | 25.38 | 448 | 896 | 280 | 375 | 82 | 3700 | 2300 | 2450 | 5500 | DN80 | |

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)

Specifications are subject to change without notice.

LOW PRESSURE ROTARY SCREW COMPRESSOR(VSD)



Technical parameters

| Model | Maximum Working Pressure | | Capacity FAD* | | | | | | | | Installed Motor Power | Cooling Method | Noise level** | Dimensions(mm) | | | Weight | Air outlet pipe diameter | |
|---------------|--------------------------|------|---------------|-------|------|------|-------|-------|------|------|-----------------------|----------------|--|----------------|------|------|--------|--------------------------|-------|
| | | | 50Hz | | | | 60Hz | | | | | | | | | | | | |
| | bar(e) | psig | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | kW | | hp | [dB(A)] | L | W | H | kg | |
| DVAL-55-3 | 3 | 43.5 | 8.39 | 16.78 | 296 | 592 | 7.46 | 14.92 | 264 | 527 | 55 | 75 | Direct Driven Air Cooling W-Water Cooling | 70 | 2950 | 1800 | 2300 | 1800 | DN50 |
| DVAL-75-3 | | | 11.55 | 23.10 | 408 | 816 | 12.22 | 24.44 | 432 | 863 | 75 | 100 | | 70 | 2950 | 1800 | 2300 | 1900 | DN80 |
| DVAL-90-3 | | | 12.78 | 25.57 | 452 | 903 | 13.85 | 27.71 | 489 | 978 | 90 | 120 | | 74 | 2950 | 1800 | 2300 | 2500 | DN80 |
| DVAL-110-3 | | | 16.00 | 31.99 | 565 | 1130 | 14.12 | 28.25 | 499 | 997 | 110 | 150 | | 74 | 3700 | 2300 | 2450 | 3700 | DN80 |
| DVAL-132-3 | | | 17.89 | 35.77 | 632 | 1263 | 15.36 | 30.71 | 542 | 1084 | 132 | 175 | | 74 | 3700 | 2300 | 2450 | 4000 | DN80 |
| DVAL-160-3 | | | 19.51 | 39.02 | 689 | 1378 | 17.55 | 35.09 | 620 | 1239 | 160 | 215 | | 77 | 3700 | 2300 | 2450 | 4500 | DN80 |
| DVAL-185(W)-3 | | | 21.76 | 43.51 | 768 | 1536 | 22.58 | 45.15 | 797 | 1594 | 185 | 250 | | 77 | 3700 | 2300 | 2450 | 5200 | DN100 |
| DVAL-250(W)-3 | | | 31.50 | 63.00 | 1113 | 2225 | 34.65 | 69.30 | 1224 | 2447 | 250 | 350 | | 82 | 4300 | 2400 | 2350 | 6600 | DN100 |

*)FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance:±3 dB(A)

Specifications are subject to change without notice.



- AIR IN ONE SERIES
- AIR COMPRESSOR
- REFRIGERATED AIR DRYER
- AIR TANK
- COMPACT
- ENVIRONMENTALLY FRIENDLY

ALL IN ONE FIXED SPEED SERIES

TECHNICAL SPECIFICATION

| MODEL | POWER | | PRESSURE Bar | CAPACITY m ³ /min | DIMENSIONS (LxWxH)mm | WEIGHT Kg | OUTLET PIPE DIAMETER | NOISE LEVEL dB | TANK VOLUME L |
|-------------------------|-------|-----|-----------------|---------------------------------|-------------------------|--------------|-------------------------|-------------------|------------------|
| | KW | HP | | | | | | | |
| WITH AIR TANK | | | | | | | | | |
| XLAMT7.5A | 55 | 7.5 | 7 | 0.65 | 1230X600X1530 | 300 | G3/4 | 65 | 300 |
| | | | 8 | 0.60 | | | | | |
| | | | 10 | 0.55 | | | | | |
| XLAMT10A | 7.5 | 10 | 7 | 1.05 | 1230X600X1530 | 300 | G3/4 | 65 | 300 |
| | | | 8 | 0.99 | | | | | |
| | | | 10 | 0.90 | | | | | |
| XLAMT15A | 11 | 15 | 7 | 1.68 | 1550X820X1780 | 350 | G3/4 | 65 | 300 |
| | | | 8 | 1.59 | | | | | |
| | | | 10 | 1.45 | | | | | |
| XLAMT20A | 15 | 20 | 7 | 2.20 | 1550X820X1780 | 350 | G3/4 | 65 | 300 |
| | | | 8 | 2.10 | | | | | |
| | | | 10 | 1.91 | | | | | |
| WITH AIR TANK AND DRYER | | | | | | | | | |
| XLAMTD7.5A | 5.5 | 7.5 | 7 | 0.65 | 1725X660X1625 | 380 | G3/4 | 65 | 200/500 |
| | | | 8 | 0.60 | | | | | |
| | | | 10 | 0.55 | | | | | |
| XLAMTD10A | 7.5 | 10 | 7 | 1.05 | 1725X660X1625 | 380 | G3/4 | 65 | 200/500 |
| | | | 8 | 0.99 | | | | | |
| | | | 10 | 0.90 | | | | | |
| XLAMTD15A | 11 | 15 | 7 | 1.68 | 1880X820X1940 | 505 | G3/4 | 65 | 500 |
| | | | 8 | 1.59 | | | | | |
| | | | 10 | 1.45 | | | | | |
| XLAMTD20A | 15 | 20 | 7 | 2.20 | 1880X820X1940 | 505 | G3/4 | 65 | 500 |
| | | | 8 | 2.10 | | | | | |
| | | | 10 | 1.91 | | | | | |
| XLAMTD30A | 22 | 30 | 7 | 3.52 | 2100X750X1950 | 650 | GI | 75 | 600 |
| | | | 8 | 3.36 | | | | | |
| | | | 10 | 3.06 | | | | | |

• The exhaust volume is measured under the rated exhaust pressure, according to the national standard GB3853 test (equivalent to 1501217 appendix C)

• The above data is based on the standard grid-380V / 50HZ

• Please make further inquiry for the non-standard specification type and machines which are used under high/low temperature, high humidity, dusty working environment

**PERMANENT MAGNET IE4
VARIABLE SPEED ELECTRIC MOTOR- SUPER HIGH EFFICIENCY SERIES**

COMPACT

AIR COMPRESSORS



- HIGH EFFICIENCY IE4 MOTOR
- TAPERED CONNECTION
- HIGH HEAT RESISTANCE UP TO 180°C
- NO DEMAGNETIZATION

SYNCRHONOUS DESIGN

Permanent magnet synchronous motor has no slip, no electrical excitation and low heat loss. The motor has a 5 ~ 12% higher efficiency compared to asynchronous motor of the same capacity and maintains high efficiency even when running at low speed.

SOFT START DESIGN

The soft start of the air compressor significantly reduces the impact on both electrical and mechanical components as compared to a full voltage start or star delta start designs. Inverter control ensures smooth acceleration and deceleration of the compressor which translates to smooth driving voltage and current characteristic curve.

SILENT

COMPACT Permanent magnet variable speed series air compressors is designed to operate with low noise level. A majority of variable speed air compressor is utilized to run below its rated full speed and therefore reduces the noise level even further by running at lower speeds. Lower noise level also relates to lower mechanical wear and tear and therefore extends the lifetime of the equipment.

Technical Specification

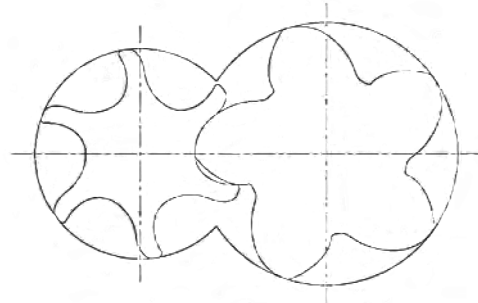
| MODEL | POWER | | PRESSURE Bar | CAPACITY m ³ /min | DIMENSIONS (LXWXH)mm | WEIGHT Kg | OUTLET PIPE DIAMETER | NOISE LEVEL dB |
|----------|-------|-----|-----------------|---------------------------------|-------------------------|--------------|-------------------------|-------------------|
| | KW | HP | | | | | | |
| XLPM7.5A | 5.5.5 | 7.5 | 7 | 0.65 | 840X670X925 | 200 | G3/4 | 65 |
| | | | 8 | 0.60 | | | | |
| | | | 10 | 0.55 | | | | |
| | | | 13 | 0.45 | | | | |
| XLPM10A | 7.5 | 10 | 7 | 1.05 | 840X670X925 | 200 | G3/4 | 65 |
| | | | 8 | 0.99 | | | | |
| | | | 10 | 0.90 | | | | |
| | | | 13 | 0.75 | | | | |
| XLPM15A | 11 | 15 | 7 | 1.68 | 1000X820X1145 | 300 | G3/4 | 65 |
| | | | 8 | 1.59 | | | | |
| | | | 10 | 1.45 | | | | |
| | | | 13 | 1.30 | | | | |
| XLPM20A | 15 | 20 | 7 | 2.20 | 1000X820X1145 | 300 | G3/4 | 65 |
| | | | 8 | 2.10 | | | | |
| | | | 10 | 1.91 | | | | |
| | | | 13 | 1.74 | | | | |
| | | | 15 | 1.40 | | | | |

| MODEL | POWER | | PRESSURE Bar | CAPACITY m ³ /min | DIMENSIONS (LXWXH)mm | WEIGHT Kg | OUTLET PIPE DIAMETER | NOISE LEVEL dB |
|----------|-------|-----|-----------------|---------------------------------|-------------------------|--------------|-------------------------|-------------------|
| | KW | HP | | | | | | |
| XLPM25A | 18.5 | 25 | 7 | 2.80 | 1100X880X1190 | 390 | G1 1/4 | 75 |
| | | | 8 | 2.66 | | | | |
| | | | 10 | 2.41 | | | | |
| | | | 13 | 2.20 | | | | |
| XLPM30A | 22 | 30 | 7 | 3.52 | 1100X880X1190 | 390 | G1 1/4 | 75 |
| | | | 8 | 3.36 | | | | |
| | | | 10 | 3.06 | | | | |
| | | | 13 | 2.80 | | | | |
| | | | 15 | 2.20 | | | | |
| XLPM40A | 30 | 40 | 7 | 4.95 | 1200X950X1358 | 530 | G1 1/4 | 75 |
| | | | 8 | 4.72 | | | | |
| | | | 10 | 4.30 | | | | |
| | | | 13 | 3.90 | | | | |
| XLPM50A | 37 | 50 | 7 | 6.51 | 1300X1000X1366 | 590 | G1 1/2 | 75 |
| | | | 8 | 6.19 | | | | |
| | | | 10 | 5.62 | | | | |
| | | | 13 | 5.10 | | | | |
| XLPM60A | 45 | 60 | 7 | 7.71 | 1300X1000X1366 | 590 | G1 1/2 | 80 |
| | | | 8 | 7.35 | | | | |
| | | | 10 | 6.67 | | | | |
| | | | 13 | 5.80 | | | | |
| XLPM75A | 55 | 75 | 7 | 10.14 | 1600X1300X1600 | 1210 | G2 | 80 |
| | | | 8 | 9.66 | | | | |
| | | | 10 | 8.77 | | | | |
| | | | 13 | 7.95 | | | | |
| XLPM100A | 75 | 100 | 7 | 12.78 | 1600X1300X1600 | 1210 | G2 | 80 |
| | | | 8 | 12.18 | | | | |
| | | | 10 | 11.07 | | | | |
| | | | 13 | 9.78 | | | | |
| XLPM120A | 90 | 120 | 7 | 14.91 | 1600X1300X1600 | 1220 | G2 | 85 |
| | | | 8 | 14.17 | | | | |
| | | | 10 | 12.88 | | | | |
| | | | 13 | 11.50 | | | | |
| XLPM150A | 110 | 150 | 7 | 18.96 | 2090X1550X2000 | 2300 | DN65 | 85 |
| | | | 8 | 18.06 | | | | |
| | | | 10 | 16.42 | | | | |
| | | | 13 | 14.50 | | | | |
| XLPM175A | 132 | 175 | 7 | 23.37 | 2090X1550X2000 | 2300 | DN65 | 85 |
| | | | 8 | 22.26 | | | | |
| | | | 10 | 20.03 | | | | |
| | | | 13 | 17.80 | | | | |

- The exhaust volume is measured under the rated exhaust pressure, according to the national standard GB3853 test (equivalent to ISO 1217 appendix C).
- Recommend frequency 30%~100%.
- The above data is based on the standard grid - 380V / 50HZ.
- Please make further inquiry for the non-standard specification type and machines which are used under high/low temperature, high humidity, dusty working environment.

SUPER ENERGY SAVING COMPRESSOR

Compact Air Compressors has successfully developed an advanced V-profile air end. This design has been proven to be one of the highest efficiency profile with its high volume efficiency, ideal driving contact point, and small leakage area of the air exhaust side. This single stage compression's performance has been tested to meet and even exceed first class energy efficiency standard for air compressors.



The V-profile

Product Features

1 SUPER ENERGY SAVING
Exceeds the energy saving of GB/T19153-2009 first class energy efficiency standard.

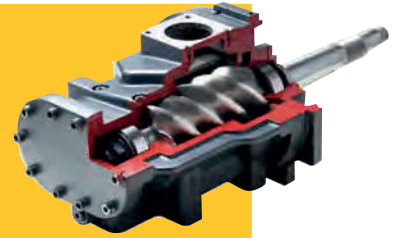
2 ZERO LOSS TRANSMISSION
The EPM series air compressor adopts the design of having a single shaft between the air end and the motor. With the omission of intermediate transmission such as center bracket and coupling, belt pulley, gear and other connecting parts, there is zero in transmission.

3 AIR COOLED HIGH PROTECTION RATING PERMANENT MAGNET MOTOR
The main motor of the super energy permanent magnet single-stage screw compressor adopts air-cooled IP55 protection grade, fully enclosed structure, anti-dust and anti-shooting water, and the safety grade is high, with a large centrifugal blade, the temperature rise is below 60k, without additional power, the motor has a unique thermal protection function to prevent the demagnetization.



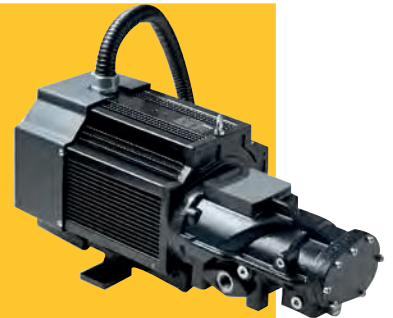
NO DEMAGNETIZATION

- 4** The EPM Series air compressor's permanent magnet motor is made of UH grade Nd-Fe-B magnetic material. This magnetic material has high heat resistance up to 180C and is able to retain its magnetism permanently



HIGH EFFICIENCY PERMANENT MAGNET SYNCHRONOUS MOTOR

- 5** The EPM Series air compressor's permanent magnet synchronous motor has no slip, no electrical excitation and low heat loss. The motor has a 5 -12% higher efficiency compared to asynchronous motor of the same capacity and maintains high efficiency even when running at low speed.



SILENT

- 6** The EPM series air compressor is designed to safe and stable operation, with low noise level. The noise level is approximately 68~74 dB under full load condition.



INTELLIGENT CONTROL AND OPERATION

- 7** The main controller of the EPM Series air compressor utilizes a 7 " colour touch screen, equipped with active protection, warning alarm, maintenance reminders, and can run automatically based on a pre-programmed schedule.



HIGH QUALITY INVERTER

- 8** The EPM Series air compressor utilizes high quality inverter to ensure stable operation.

COMPACT AIR COMPRESSORS solemnly promises to the market that we only provide real actual data, whether for samples or nameplates. We only produce the real first class energy efficiency standard air compressors.



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COMPACT

AIR COMPRESSORS