

PM VSD

Rotary Screw Air Compressors

Installed motor power 5.5 - 400 kW/7.5 - 550 hp

Free air delivery from 0.38 to 86.26 m³/min, Pressure 7.0 - 12.5 bar



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01 PM VSD Screw Air Compressor (5.5-400 kW)

02 PM VSD Two-stage Screw Air Compressor (30-400 kW)

P04

P09



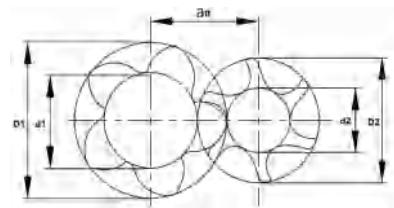
PM VSD Screw Air Compressor (5.5-400 kW)

Features and advantages



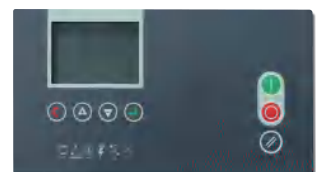
01 Air End Design Analysis

- Profile design patent: ZL201720301123.8
- Design pressure: 5-13 bar
- Volume efficiency: $\geq 95\%$
- Transmission ratio: 1:1
- Noise level: lower
- Sweden SKF bearing
- Power consumption: ultra-low
- Rotor diameter and center distance: large
- Max. operating temperature: 110°C continuous running
- Profile design: the third generation a model asymmetrical 5:6 tooth. Best energy efficiency



02 Control Module

- RS485 communication mode transmission control signal
- Intelligent PID flow adjustment mode
- Closed-loop control, with ideal dynamic characteristics and control accuracy
- Accurately control the torque
- Fast response speed
- Constant pressure control to avoid excess energy loss



03 High Efficiency Permanent Magnetic Motor

- Cooling method: oil cooling/air cooling
- No bearing design, 100% transmission efficiency
- UH series magnets, can withstand temperature up to 180 °C
- Up to 5 years durability test, 40,000 hours of durable operation without failure
- Appearance design patent: ZL 201330085626.3
- IP65, F class insulation, B grade temperature rise
- PM motor cooling structure design patent :ZL201320216379.0
- Perfectly linear output torque, low speed still retains high torque output



04 Inverter

- High utilization rate, removable panel, switch using, memory function
- Protection: can realize phase loss, phase-to-phase short circuit, short-circuit to ground, over-current, over-voltage, under-voltage, overload, over-heat, motor thermal protection circuit board, reinforced coating, dust and corrosion protection
- Independent cooling design, suspended installation, dust proof, corrosion proof, small heat, powerful overload and unique current limiting technology
- Proprietary and efficient control procedures
- Ultra-wide frequency design, wider control range



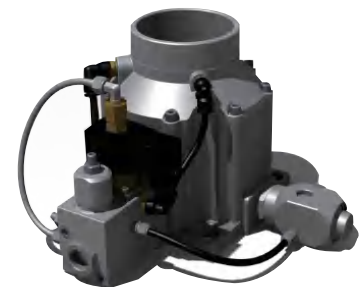
05 Cooling Fan

- Low noise
- Big capacity
- Maintenance free



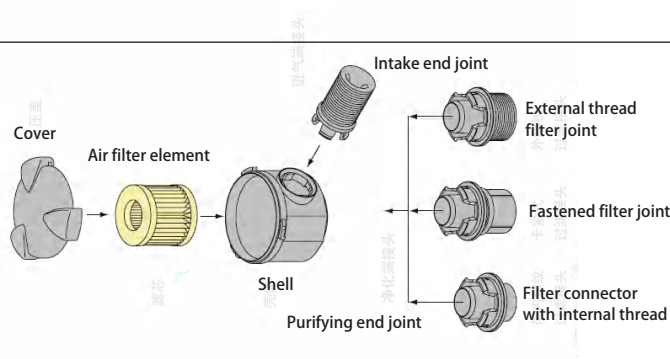
06 Air Inlet Valve

- Patent design: ZL201720513212.9
- High vacuum degree: 700mmHg
- Large suction area
- Low load energy consumption in unloaded operation
- Fast check: prevent unloading and shutdown oil injection
- The solenoid valve adopts the Italy ODE brand
- Valve seal adopts fluoro rubber
- Integrated design, failure and low maintenance rate
- Cast aluminum to avoid rust and temperature change



07 Moulded Air Filter

- Patent: ZL201720513111.1
- Picolino module system
- Less pressure drop
- Multi-stage seal design
- High-tech, good flexibility, good resilience (polyurethane foam)
- Performance well along with the temperature changes
- Precision fit of filter element size and air filter assembly



08 Oil Filter

- Patent: ZL201520816110.5
- Seal material: PTFE
- Working pressure up to 20 bar
- Element material: German resin wood fiber
- Working temperature can withstand 120 °C
- Separation efficiency: 50% impurity separation at 10 µm and 99% impurity separation at 30 µm



09 Oil Gas Separator

- Patent: ZL201720512855.1
- Maximum working pressure can reach 20 bar
- Service life: 4,000Hr
- Maximum withstand pressure drop: 1.2 bar
- Efficient separation, oil content less than 3ppm
- External oil separator design, maintenance time is only take 2min



10 Stainless Steel Pipe

- Maintenance free
- 100 years service life
- Excellent corrosion resistance
- Excellent mechanical properties, superior wear resistance
- Wide range of use, long service life and low overall cost
- Can work safely for a long time at a temperature of -270°C-400°C. The material properties are quite stable.
- 304 stainless steel has a tensile strength of more than 530 N/mm, which is twice stronger of galvanized pipe, 3-4 times stronger of copper pipe, 8-10 times stronger of PPR pipe, and it has good ductility and toughness



11 Oil Gas Tank

- Air line and oil line are separated.
- Excellent separation effect, less than 3ppm of oil content.

Technical Parameters

| Model | Working Pressure | | Capacity FAD* | | Power | | IP Grade | Noise Level** | Dimensions (mm) | | | Weight (kg) | Air Outlet Pipe Diameter | Driving Mode & Cooling Method | EEI |
|-----------|------------------|--------|-----------------------|---------|-------|------|----------|---------------|-----------------|------|------|-------------|--------------------------|---|------|
| | (barg) | (psig) | (m ³ /min) | (cfm) | (kW) | (hp) | | | (L) | (W) | (H) | | | | |
| DAV-5 | 7.0 | 102 | 0.45-1.00 | 16-35 | 5.5 | 7.5 | IP65 | 75 | 900 | 600 | 860 | 165 | R1/2 | Direct Driven Air Cooling W-Water Cooling | EEI1 |
| | 8.0 | 116 | 0.44-0.95 | 16-34 | | | | | | | | | | | |
| | 10.0 | 145 | 0.38-0.76 | 13-27 | | | | | | | | | | | |
| DAV-7 | 7.0 | 102 | 0.43-1.40 | 15-49 | 7.5 | 10 | IP65 | 75 | 900 | 600 | 860 | 180 | R1/2 | | |
| | 8.0 | 116 | 0.41-1.39 | 14-49 | | | | | | | | | | | |
| | 10.0 | 145 | 0.29-1.00 | 10-35 | | | | | | | | | | | |
| DAV-11 | 7.0 | 102 | 0.60-2.16 | 21-76 | 11 | 15 | IP65 | 75 | 1050 | 650 | 900 | 205 | R3/4 | | |
| | 8.0 | 116 | 0.89-1.94 | 31-69 | | | | | | | | | | | |
| | 10.0 | 145 | 0.81-1.67 | 29-59 | | | | | | | | | | | |
| | 12.5 | 181 | 0.43-1.13 | 15-40 | | | | | | | | | | | |
| DAV-15 | 7.0 | 102 | 0.80-2.73 | 28-96 | 15 | 20 | IP65 | 75 | 1100 | 650 | 920 | 315 | R3/4 | | |
| | 8.0 | 116 | 0.74-2.48 | 26-88 | | | | | | | | | | | |
| | 10.0 | 145 | 1.05-2.24 | 37-79 | | | | | | | | | | | |
| | 12.5 | 181 | 0.55-1.80 | 19-64 | | | | | | | | | | | |
| DAV-18 | 7.0 | 102 | 1.01-3.38 | 36-119 | 18.5 | 25 | IP65 | 75 | 1300 | 800 | 1050 | 375 | R1 | | |
| | 8.0 | 116 | 0.98-3.27 | 35-115 | | | | | | | | | | | |
| | 10.0 | 145 | 0.88-2.95 | 31-104 | | | | | | | | | | | |
| | 12.5 | 181 | 0.74-2.57 | 26-91 | | | | | | | | | | | |
| DAV-22 | 7.0 | 102 | 1.82-3.95 | 64-139 | 22 | 30 | IP65 | 75 | 1300 | 800 | 1050 | 420 | R1 | | |
| | 8.0 | 116 | 1.81-3.84 | 64-136 | | | | | | | | | | | |
| | 10.0 | 145 | 1.67-3.39 | 59-120 | | | | | | | | | | | |
| | 12.5 | 181 | 0.88-3.00 | 31-106 | | | | | | | | | | | |
| DAV-30 | 7.0 | 102 | 2.63-5.51 | 93-195 | 30 | 40 | IP65 | 82 | 1400 | 900 | 1200 | 500 | R1-1/2 | | |
| | 8.0 | 116 | 1.56-5.40 | 55-191 | | | | | | | | | | | |
| | 10.0 | 145 | 1.36-5.30 | 48-187 | | | | | | | | | | | |
| | 12.5 | 181 | 2.09-3.51 | 74-124 | | | | | | | | | | | |
| DAV-37 | 7.0 | 102 | 2.07-6.74 | 73-238 | 37 | 50 | IP65 | 82 | 1400 | 900 | 1200 | 550 | R1-1/2 | | |
| | 8.0 | 116 | 3.43-6.45 | 121-228 | | | | | | | | | | | |
| | 10.0 | 145 | 2.95-5.88 | 104-208 | | | | | | | | | | | |
| | 12.5 | 181 | 1.42-4.78 | 50-169 | | | | | | | | | | | |
| DAV-45 | 7.0 | 102 | 2.51-8.16 | 89-288 | 45 | 60 | IP65 | 82 | 1500 | 960 | 1200 | 580 | R1-1/2 | | |
| | 8.0 | 116 | 2.38-8.00 | 84-282 | | | | | | | | | | | |
| | 10.0 | 145 | 3.63-6.38 | 128-225 | | | | | | | | | | | |
| | 12.5 | 181 | 1.62-5.33 | 57-188 | | | | | | | | | | | |
| DAV-55 | 7.0 | 102 | 4.44-10.81 | 157-382 | 55 | 75 | IP55 | 85 | 1800 | 1200 | 1400 | 1045 | Rp2 | | |
| | 8.0 | 116 | 5.10-10.30 | 180-364 | | | | | | | | | | | |
| | 10.0 | 145 | 4.83-9.44 | 171-333 | | | | | | | | | | | |
| | 12.5 | 181 | 3.94-7.67 | 139-271 | | | | | | | | | | | |
| DAV-75 | 7.0 | 102 | 5.32-13.25 | 188-468 | 75 | 100 | IP55 | 85 | 1800 | 1200 | 1400 | 1325 | Rp2 | | |
| | 8.0 | 116 | 6.44-13.14 | 227-464 | | | | | | | | | | | |
| | 10.0 | 145 | 5.71-11.59 | 202-409 | | | | | | | | | | | |
| | 12.5 | 181 | 3.69-9.44 | 130-333 | | | | | | | | | | | |
| DAV-90(W) | 7.0 | 102 | 6.30-18.13 | 223-640 | 90 | 120 | IP55 | 85 | 2435 | 1795 | 1715 | 2100 | DN80 | | |
| | 8.0 | 116 | 6.90-17.80 | 244-628 | | | | | | | | | | | |
| | 10.0 | 145 | 5.23-13.44 | 185-475 | | | | | | | | | | | |
| | 12.5 | 181 | 5.19-13.32 | 183-470 | | | | | | | | | | | |

*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.

Technical Parameters

| Model | Working Pressure | | Capacity FAD* | | Power | | IP Grade | Noise Level** | Dimensions (mm) | | | Weight (kg) | Air Outlet Pipe Diameter | Driving Mode & Cooling Method | EEI |
|------------|------------------|--------|-----------------------|----------|-------|------|----------|---------------|-----------------|------|------|-------------|--------------------------|--|------|
| | (barg) | (psig) | (m ³ /min) | (cfm) | (kW) | (hp) | | | (L) | (W) | (H) | | | | |
| DAV-110(W) | 7.0 | 102 | 8.26-21.00 | 292-742 | 110 | 150 | IP55 | 85 | 2435 | 1795 | 1715 | 2310 | DN80 | Direct Driven Air Cooling W-Water Cooling | EEI1 |
| | 8.0 | 116 | 8.08-20.24 | 286-715 | | | | | | | | | | | |
| | 10.0 | 145 | 6.83-17.15 | 241-606 | | | | | | | | | | | |
| | 12.5 | 181 | 5.45-14.82 | 193-523 | | | | | | | | | | | |
| DAV-132(W) | 7.0 | 102 | 8.63-24.65 | 305-870 | 132 | 175 | IP55 | 85 | 2435 | 1795 | 1715 | 2415 | DN80 | | |
| | 8.0 | 116 | 8.61-24.60 | 304-869 | | | | | | | | | | | |
| | 10.0 | 145 | 7.54-21.54 | 266-761 | | | | | | | | | | | |
| | 12.5 | 181 | 6.10-17.44 | 216-616 | | | | | | | | | | | |
| DAV-160(W) | 7.0 | 102 | 10.75-30.70 | 380-1084 | 160 | 215 | IP55 | 85 | 3110 | 1890 | 2150 | 4095 | DN80 | | |
| | 8.0 | 116 | 10.47-29.91 | 370-1056 | | | | | | | | | | | |
| | 10.0 | 145 | 8.30-23.72 | 293-838 | | | | | | | | | | | |
| | 12.5 | 181 | 7.18-20.53 | 254-725 | | | | | | | | | | | |
| DAV-185(W) | 7.0 | 102 | 12.36-35.31 | 436-1247 | 185 | 250 | IP55 | 85 | 3110 | 1890 | 2150 | 4200 | DN80 | | |
| | 8.0 | 116 | 12.18-34.80 | 430-1229 | | | | | | | | | | | |
| | 10.0 | 145 | 10.37-29.62 | 366-1046 | | | | | | | | | | | |
| | 12.5 | 181 | 8.46-24.16 | 299-853 | | | | | | | | | | | |
| DAV-200(W) | 7.0 | 102 | 13.78-39.37 | 487-1390 | 200 | 270 | IP55 | 88 | 3310 | 2090 | 2400 | 4515 | DN100 | | |
| | 8.0 | 116 | 13.22-37.76 | 467-1333 | | | | | | | | | | | |
| | 10.0 | 145 | 10.73-30.66 | 379-1083 | | | | | | | | | | | |
| | 12.5 | 181 | 9.93-28.36 | 351-1001 | | | | | | | | | | | |
| DAV-220(W) | 7.0 | 102 | 17.47-44.99 | 617-1589 | 220 | 300 | IP55 | 88 | 3310 | 2090 | 2400 | 4725 | DN100 | | |
| | 8.0 | 116 | 16.04-42.75 | 566-1510 | | | | | | | | | | | |
| | 10.0 | 145 | 13.42-34.56 | 474-1220 | | | | | | | | | | | |
| | 12.5 | 181 | 11.87-29.99 | 419-1059 | | | | | | | | | | | |
| DAV-250(W) | 7.0 | 102 | 18.48-47.60 | 653-1681 | 250 | 350 | IP55 | 88 | 3310 | 2090 | 2400 | 4935 | DN100 | | |
| | 8.0 | 116 | 18.44-47.49 | 651-1677 | | | | | | | | | | | |
| | 10.0 | 145 | 16.79-43.24 | 593-1527 | | | | | | | | | | | |
| | 12.5 | 181 | 12.35-31.80 | 436-1123 | | | | | | | | | | | |
| DAV-280(W) | 7.0 | 102 | 18.94-54.12 | 669-1911 | 280 | 375 | IP55 | 88 | 3730 | 2380 | 2550 | 6825 | DN125 | | |
| | 8.0 | 116 | 18.49-52.82 | 653-1865 | | | | | | | | | | | |
| | 10.0 | 145 | 16.45-47.01 | 581-1660 | | | | | | | | | | | |
| | 12.5 | 181 | 12.20-34.86 | 431-1231 | | | | | | | | | | | |
| DAV-315(W) | 7.0 | 102 | 20.34-58.12 | 718-2052 | 315 | 425 | IP55 | 90 | 3730 | 2380 | 2550 | 7140 | DN125 | | |
| | 8.0 | 116 | 19.86-56.73 | 701-2003 | | | | | | | | | | | |
| | 10.0 | 145 | 17.77-50.78 | 604-1793 | | | | | | | | | | | |
| | 12.5 | 181 | 15.81-45.18 | 558-1595 | | | | | | | | | | | |
| DAV-355W | 7.0 | 102 | 22.52-64.35 | 795-2272 | 355 | 475 | IP55 | 90 | 3730 | 2380 | 2550 | 8400 | DN125 | | |
| | 8.0 | 116 | 22.26-63.59 | 790-2245 | | | | | | | | | | | |
| | 10.0 | 145 | 19.34-55.26 | 683-1951 | | | | | | | | | | | |
| | 12.5 | 181 | 17.03-47.97 | 601-1694 | | | | | | | | | | | |
| DAV-400W | 7.0 | 102 | 26.15-74.71 | 923-2638 | 400 | 550 | IP55 | 92 | 4500 | 2500 | 2750 | 9240 | DN125 | | |
| | 8.0 | 116 | 24.68-70.52 | 871-2490 | | | | | | | | | | | |
| | 10.0 | 145 | 22.00-62.85 | 777-2219 | | | | | | | | | | | |
| | 12.5 | 181 | 17.73-50.65 | 626-1788 | | | | | | | | | | | |

*) 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.

PM VSD Two-stage Screw Air Compressor (30-400 kW)

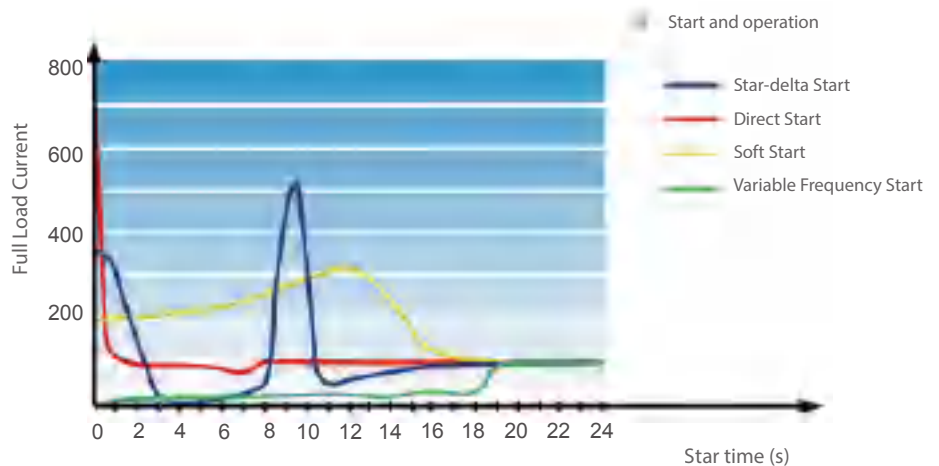
Features and advantages



01 Features Of Permanent Magnet Variable Frequency Air Compressor

- Ultra-low temperature rise design, which allows the compressor running at ultra-low frequency for a long time.
- Closed-loop vector control system for faster control and more precise speed control.
- The compressor unit can still operate efficiently when the frequency is reduced by more than 50%.
- The pressure is stable and the pressure fluctuation is accurately controlled within 0.1 bar.

· The figure shows a comparison of several starting methods. It can be seen that the frequency converter is slowly accelerated to start, the starting is more stable, and the current peak is completely avoided.

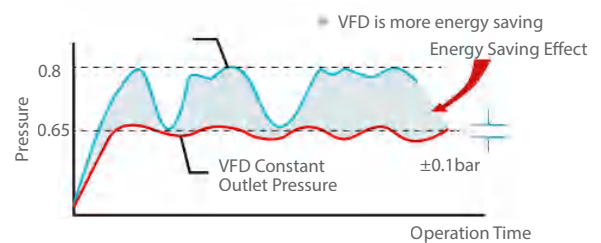


02 Air End

- The rotor adopts the world's leading high-efficiency profile and is made of 1141 special steel, which has good hardness and high wear resistance.
- Two-stage independent compression, low-speed design, lower overall noise.
- The low compression ratio at each stage ensures smaller leakage and higher volumetric efficiency.
- Oil mist spray cooling is used between stages, and the compression process is close to isothermal compression to improve efficiency.
- The rotor and bearings are under little stress, and the long life of screw element is guaranteed to continue running.

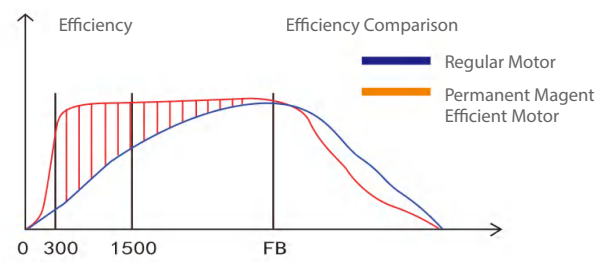


- Under the set frequency conversion pressure, the unit will automatically adjust to keep the output pressure within ± 0.1 bar, reducing unnecessary waste (the power consumption increases by 7% for every 1 bar of pressure increase)



03 Advantages of Permanent Magnet Motors Compared to General Asynchronous Motors

- High efficiency: Eliminates excitation system losses and improves efficiency.
- It is still efficient under low load conditions: the energy efficiency of a permanent magnet motor is more than 9% higher than that of a conventional asynchronous motor at full load operation, and its energy efficiency remains unchanged as the speed decreases.
- Large overdrive torque: The ratio of the maximum starting torque of the permanent magnet synchronous motor to the rated torque can be more than 3 times, while the general asynchronous motor is only 1.6 times.
- The control is more stable: the corresponding time of the permanent magnet motor is < 50 ms, and the gas production can be adjusted in a large range in an instant, so that the gas pressure is truly stable.



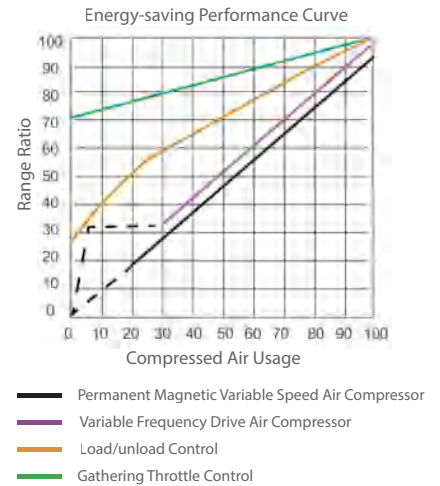
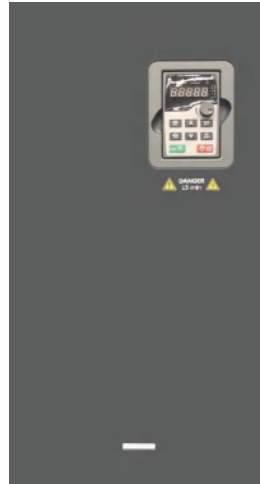
04 Stainless Steel Piping Design

- The piping arrangement is simple and beautiful. Stainless steel piping design to effectively prevent rust in the pipeline, and avoid safety accidents caused by leakage of the pipeline.



05 More Advanced Technology. More Powerful Inverter

- The standard equipment is equipped with a high-frequency reactor to reduce the high frequency generated by the inverter.
- The soft start of the inverter reduces the peak current at startup, resulting in a smooth start and greatly reduced power costs.
- Forced cooling of the inverter to prevent high temperature shutdown in Summer.
- Standard equipment dust screen, circuit board surface coating treatment, high efficiency and durability against dirt, dust, moisture.
- The special design of the heat dissipation area of the inverter ensures stable operation of the inverter under high temperature environment.
- No idling occurs under any load conditions to achieve the desired power saving effect.
- Quickly track changes in pressure, control pressure fluctuations within ± 0.1 bar, and optimize the use of the power to accurately provide the right amount of air as needed.



06 Oil Filter

- The imported brand is used to reliably filter the dirt particles in the lubricating oil to ensure the smoothness and lubrication of the oil system at 0.1 micron.



07 Air Filter Assemblage

- The imported brand is used to reliably remove dirt from the air. The dust particles in the air are controlled below 0.3 microns and the filtration accuracy is as high as 99.99%.



Technical Parameters

| Model | Working Pressure | | Capacity FAD* | | Power | | IP Grade | Noise Level** | Dimensions (mm) | | | Weight (kg) | Air Outlet Pipe Diameter | Driving Mode & Cooling Method | EEI |
|-------------|------------------|--------|-----------------------|----------|-------|------|----------|---------------|-----------------|------|------|-------------|--------------------------|---|------|
| | (barg) | (psig) | (m ³ /min) | (cfm) | (kW) | (hp) | | | (L) | (W) | (H) | | | | |
| DAV-30+ | 7.0 | 102 | 2.55-6.37 | 90-225 | 30 | 40 | IP55 | 82 | 1650 | 1050 | 1300 | 945 | R2 | Direct Driven Air Cooling W-Water Cooling | EEI1 |
| | 8.0 | 116 | 2.54-6.34 | 90-224 | | | | | | | | | | | |
| DAV-37+ | 7.0 | 102 | 3.26-8.14 | 115-288 | 37 | 50 | IP55 | 82 | 1650 | 1050 | 1300 | 1029 | R2 | | |
| | 8.0 | 116 | 3.20-8.00 | 113-283 | | | | | | | | | | | |
| DAV-45+ | 7.0 | 102 | 4.00-10.01 | 141-354 | 45 | 60 | IP55 | 82 | 1650 | 1050 | 1300 | 1100 | R2 | | |
| | 8.0 | 116 | 4.00-10.00 | 141-353 | | | | | | | | | | | |
| DAV-55+ | 7.0 | 102 | 5.16-12.90 | 182-456 | 55 | 75 | IP55 | 85 | 2350 | 1500 | 1600 | 1995 | DN50 | | |
| | 8.0 | 116 | 5.13-12.83 | 181-453 | | | | | | | | | | | |
| | 10.0 | 145 | 3.88-10.00 | 137-353 | | | | | | | | | | | |
| | 12.5 | 181 | 3.46-8.64 | 122-305 | | | | | | | | | | | |
| DAV-75+ | 7.0 | 102 | 6.83-17.07 | 241-603 | 75 | 100 | IP55 | 85 | 2350 | 1500 | 1600 | 2100 | DN50 | | |
| | 8.0 | 116 | 6.80-17.00 | 240-601 | | | | | | | | | | | |
| | 10.0 | 145 | 6.00-15.00 | 212-530 | | | | | | | | | | | |
| | 12.5 | 181 | 4.89-12.22 | 173-432 | | | | | | | | | | | |
| DAV-90(W)+ | 7.0 | 102 | 8.36-20.90 | 295-739 | 90 | 120 | IP55 | 85 | 2705 | 1775 | 1915 | 2625 | DN80 | | |
| | 8.0 | 116 | 8.02-20.05 | 283-709 | | | | | | | | | | | |
| | 10.0 | 145 | 6.58-16.44 | 233-581 | | | | | | | | | | | |
| | 12.5 | 181 | 5.91-14.77 | 209-522 | | | | | | | | | | | |
| DAV-110(W)+ | 7.0 | 102 | 9.92-24.80 | 351-876 | 110 | 150 | IP55 | 85 | 2705 | 1775 | 1915 | 2730 | DN80 | | |
| | 8.0 | 116 | 9.62-24.04 | 340-850 | | | | | | | | | | | |
| | 10.0 | 145 | 7.65-19.13 | 270-676 | | | | | | | | | | | |
| | 12.5 | 181 | 6.48-16.19 | 229-572 | | | | | | | | | | | |
| DAV-132(W)+ | 7.0 | 102 | 11.45-28.63 | 405-1007 | 132 | 175 | IP55 | 85 | 2705 | 1775 | 1915 | 3150 | DN80 | | |
| | 8.0 | 116 | 11.40-28.49 | 403-1006 | | | | | | | | | | | |
| | 10.0 | 145 | 9.20-23.01 | 325-813 | | | | | | | | | | | |
| | 12.5 | 181 | 8.64-21.59 | 305-763 | | | | | | | | | | | |
| DAV-160(W)+ | 7.0 | 102 | 14.06-35.14 | 497-1242 | 160 | 215 | IP55 | 85 | 3110 | 1890 | 2150 | 4515 | DN100 | | |
| | 8.0 | 116 | 14.00-34.64 | 495-1224 | | | | | | | | | | | |
| | 10.0 | 145 | 12.72-31.79 | 450-1123 | | | | | | | | | | | |
| | 12.5 | 181 | 10.53-26.33 | 372-931 | | | | | | | | | | | |
| DAV-185(W)+ | 7.0 | 102 | 16.07-40.17 | 568-1420 | 185 | 250 | IP55 | 85 | 3110 | 1890 | 2150 | 4725 | DN100 | | |
| | 8.0 | 116 | 16.00-40.00 | 565-1414 | | | | | | | | | | | |
| | 10.0 | 145 | 13.78-34.45 | 487-1217 | | | | | | | | | | | |
| | 12.5 | 181 | 11.56-29.63 | 409-1046 | | | | | | | | | | | |
| DAV-200(W)+ | 7.0 | 102 | 17.78-44.45 | 628-1571 | 200 | 270 | IP55 | 88 | 3310 | 2090 | 2400 | 5775 | DN100 | | |
| | 8.0 | 116 | 17.61-44.02 | 622-1556 | | | | | | | | | | | |
| | 10.0 | 145 | 15.53-38.83 | 549-1372 | | | | | | | | | | | |
| | 12.5 | 181 | 13.32-33.31 | 471-1177 | | | | | | | | | | | |

*)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.

Technical Parameters

| Model | Working Pressure | | Capacity FAD* | | Power | | IP Grade | Noise Level** | Dimensions (mm) | | | Weight (kg) | Air Outlet Pipe Diameter | Driving Mode & Cooling Method | EEI |
|-------------|------------------|--------|-----------------------|-----------|-------|------|----------|---------------|-----------------|------|------|-------------|--------------------------|--|------|
| | (barg) | (psig) | (m ³ /min) | (cfm) | (kW) | (hp) | | | (L) | (W) | (H) | | | | |
| DAV-220(W)+ | 7.0 | 102 | 19.56-48.90 | 691-1728 | 220 | 300 | IP55 | 88 | 3310 | 2090 | 2400 | 5880 | DN100 | Direct Driven Air Cooling W-Water Cooling | EEI1 |
| | 8.0 | 116 | 19.51-48.77 | 689-1724 | | | | | | | | | | | |
| | 10.0 | 145 | 17.35-43.37 | 613-1533 | | | | | | | | | | | |
| | 12.5 | 181 | 15.23-38.08 | 538-1346 | | | | | | | | | | | |
| DAV-250(W)+ | 7.0 | 102 | 21.98-54.94 | 777-1942 | 250 | 350 | IP55 | 88 | 3310 | 2090 | 2400 | 5985 | DN100 | | |
| | 8.0 | 116 | 21.93-54.83 | 775-1938 | | | | | | | | | | | |
| | 10.0 | 145 | 19.38-48.45 | 685-1712 | | | | | | | | | | | |
| | 12.5 | 181 | 17.18-42.95 | 607-1518 | | | | | | | | | | | |
| DAV-280W+ | 7.0 | 102 | 24.10-60.24 | 852-2129 | 280 | 375 | IP55 | 88 | 3730 | 2380 | 2550 | 7350 | DN125 | | |
| | 8.0 | 116 | 24.05-60.13 | 850-2125 | | | | | | | | | | | |
| | 10.0 | 145 | 21.33-53.32 | 754-1884 | | | | | | | | | | | |
| | 12.5 | 181 | 19.06-47.65 | 674-1684 | | | | | | | | | | | |
| DAV-315W+ | 7.0 | 102 | 26.43-66.08 | 934-2335 | 315 | 425 | IP55 | 90 | 3730 | 2380 | 2550 | 7455 | DN125 | | |
| | 8.0 | 116 | 26.39-65.97 | 933-2331 | | | | | | | | | | | |
| | 10.0 | 145 | 23.32-58.29 | 824-2060 | | | | | | | | | | | |
| | 12.5 | 181 | 20.94-52.34 | 740-1850 | | | | | | | | | | | |
| DAV-355W+ | 7.0 | 102 | 29.90-77.00 | 1056-2719 | 355 | 475 | IP55 | 90 | 3730 | 2380 | 2550 | 7875 | DN125 | | |
| | 8.0 | 116 | 29.25-75.32 | 1033-2660 | | | | | | | | | | | |
| | 10.0 | 145 | 24.97-64.29 | 882-2270 | | | | | | | | | | | |
| | 12.5 | 181 | 22.33-57.50 | 788-2030 | | | | | | | | | | | |
| DAV-400W+ | 7.0 | 102 | 35.50-88.85 | 1255-3137 | 400 | 550 | IP55 | 90 | 4500 | 2500 | 2750 | 9240 | DN125 | | |
| | 8.0 | 116 | 35.00-87.05 | 1237-3074 | | | | | | | | | | | |
| | 10.0 | 145 | 30.00-74.80 | 1060-2641 | | | | | | | | | | | |
| | 12.5 | 181 | 24.00-66.94 | 848-2364 | | | | | | | | | | | |

*)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.



P-DNR202308-08 Specifications are subject to change without prior notice.
Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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