

DALGAKIRAN



PORTAIR SERIES -ROTARY SCREW AIR COMPRESSORS



STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, IP54 fan motors, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, high-efficiency screw blocks consuming less energy are provided as standard in all our products.



SPECIFICATION

2 breaker connections for PA 34 and PA 50; 3 for PA 64; and 4 for PA 100. Type approval certificate complying with EU2007/46/ EC chassis directive. (Road Certificate in accordance with European norms) Capacity control by changing diesel engine speed. Compressor housing resistant against corrosion and impacts. Service covers that may be opened by the sides. High-efficiency engine and fuel tank capacity providing up to 10 hours of continuous operation at full load. Low vibration level



CONTROL UNIT

Reliable and durable easy to use control unit for touch conditions.



SCREW BLOCK

Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement

Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements

New generation bearing design with increased load carrying capabilities



AIR OIL SEPARATOR

Spin-on or immersed type separator design depending on the product line

Spin-on separator

Easy replacement, ease of assembly and disassembly

Design that does not require a separator tank



MAIN MOTOR AND DRIVE SYSTEM

Diesel engine with 4 cylinders, water cooling and turbocharger except for PA 34

Emission rate complying with exhaust emission standards (except PA 100)

Directly coupled with the elastic coupling





PORTAIR SERIES Portable Rotary Screw Air Compressors

PORTAIR series portable compressors are ideal for use in construction, mining and ship repair industries. These compressors offer their users long maintenance intervals, high performance and airflow thanks to their high-strength and high-efficiency screw blocks. Large fuel tanks make it possible to work longer without interruption.

GENERAL SPECIFICATION

- 2 breaker connections for PA 34 and PA 50; 3 for PA 64; and 4 for PA 100
- Type approval certificate complying with EU2007/46/EC chassis directive. (Road Certificate in accordance with European norms)
- Capacity control by changing diesel engine speed
- Compressor housing resistant against corrosion and impacts
- Service covers that may be opened by the sides
- High-efficiency engine and fuel tank capacity providing up to 10 hours of continuous operation at full load
- Low vibration level



SCREW BLOCK

- Gear box as per AGMA (American Gear Manufacturers Association) standards for products where threaded screws are used

TRAILER TYPES

- Without Trailer/With Chassis
- With brake, with fixed trailer
- Without brake, with fixed trailer
- With brake, with mobile trailer (Height of the connection point to the vehicle may be adjusted)
- Without brake, with mobile trailer



STANDARD EQUIPMENT

- Signalling
- Check valve
- Cabinet security lock
- Safety chain (PA 64 & PA 100)
- Chock and chock holder
- Trailer connection coupling
- Breaker hose connection coupling
- Cabinet security lock

OPTIONS

- Safety chain (PA 34 & PA 50)
- Heater that allows operation up to -30 °C (PA 34 & PA 50)
- Aftercooler and water separator



TECHNICAL DATA

| MODEL | PRESSURE | | CAPACITY | | MOTOR MODEL | FUEL TANK CAPACITY lt | POWER OF MOTOR kW/HP | AIR CONNECTION | DIMENSIONS mm | | | WEIGHT kg | NOISE LEVEL dB(A) |
|--------|----------|-----|---------------------|------|-----------------------|-----------------------|----------------------|-----------------------------------|---------------|-----------|-----------|-----------|-------------------|
| | Bar | PSI | m ³ /min | SCFM | | | | | Width | Length | Height | | |
| PA 34 | 7 | 102 | 3,4 | 120 | KUBOTA V1505-E3B | 50 | 26,5/35 | 2xG ³ /4" | 2000/3020 | 1150/1650 | 1300/1500 | 690 | ≤ 98 |
| | 10 | 145 | 4,1 | 145 | | | | | | | | | |
| PA 50 | 7 | 102 | 5,0 | 177 | KUBOTA V1505-E3B | 85 | 33/45 | 1xG1"+2xG ³ /4" | 2000/3020 | 1150/1650 | 1300/1600 | 725 | ≤ 98 |
| | 12 | 174 | 3,4 | 120 | | | | | | | | | |
| PA 64 | 7 | 102 | 6,4 | 226 | KUBOTA V2403-M-T-E3B | 125 | 44/60 | 1xG1"+2xG ³ /4" | 2250/3720 | 1200/1650 | 1370/1500 | 1050 | ≤ 98 |
| PA 100 | 7 | 102 | 10,0 | 353 | KUBOTA V3800-DI-T-E2B | 125 | 72,8/100 | 1xG1 1/2"+3xG ³ /4" | 2250/3720 | 1200/1650 | 1470/1600 | 1250 | ≤ 98 |
| | 10 | 145 | 8,5 | 300 | | | | | | | | | |
| | 12 | 174 | 7,5 | 265 | | | | | | | | | |

1. These values are recorded under reference conditions of 1 bar absolute air pressure, 0% relative humidity, 20 °C inlet air temperature, 71 °C thermostatic valve set value and Smartoil usage.
DALGAKIRAN compressors reserves the right to make changes on its products without prior notice.
2. Refers to the free air flow measured in accordance with ISO 1217: 2009, Annex D standard.
3. First values on the list are applicable for fixed versions, and second values are applicable for versions with trailer.
4. Refers to the sound pressure level with a tolerance of ± 3 dB(A) measured in accordance with ISO 2151:2004 and ISO 9614/2 standards.

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