



HBD SERIES -ROTARY SCREW AIR COMPRESSORS



STANDARD EQUIPMENT

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



SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release and hinged protective covers and easy-to-use controllers minimizes downtime and reduces maintenance costs.



ELECTRONIC CONTROL

Hertz Kompressoren rotary screw compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.



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 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

Premium 230/460V/3 phase/60Hz, IE3 IP55 electric motors with F Class insulation, Wye-Delta motor starting system, Easy of assembly and disassembly with bush pulleys on belt-pulley models. Long-lasting and efficient transfer system thanks to use of elastic couplings on direct coupled models.





HBD SERIES

Belt Driven Rotary Screw Air Compressors 4-37 kW

HERTZ HBD series compressors are used safely in all applications of small and medium sized businesses thanks to their high performance in operation.

Its service friendly compact structure speeds up your work and minimizes downtime.

MAIN MOTOR DRIVE SYSTEM

- Belt-pulley drive system
- Fast service thanks to easy belt tensioning system



AIR/OIL SEPARATOR

- Easy to disassemble and assemble, service- and maintenance-friendly spin-on type separator.

COOLING SYSTEM

- Quiet and efficient axial fan directly connected to main motor (HBD 4-15)
- Additional axial fan with temperature control (HBD 15L-37)

OTHER FEATURES

- Compact, small footprint, easy to service
- Air tank suitable to ASME standard
- UL Certified electrical component cabinet
- All air and oil tanks comply with ASME standards



HBD SERIES

Belt Driven Rotary Screw AirCompressors

TECHNICAL DATA

60 Hz version

| MODEL | PRESSURE | | CAPACITY | | MOTOR POWER kW/HP | DIMENSIONS (in.) | | | WEIGHT lbs | NOISE dB(A) |
|----------|----------|-----|---------------------|-----|----------------------|------------------|-------|--------|---------------|----------------|
| | psi | bar | m ³ /min | cfm | | Length | Width | Height | | |
| HBD 4 | 100 | 7 | 0.59 | 21 | 4/5.5 | 59 | 22 | 53 | 772 | 72 |
| | 125 | 8.5 | 0.53 | 19 | | | | | | |
| | 150 | 10 | 0.49 | 17 | | | | | | |
| | 175 | 12 | 0.43 | 15 | | | | | | |
| HBD 5 | 100 | 7 | 0.82 | 29 | 5.5/7.5 | 59 | 22 | 53 | 820 | 72 |
| | 125 | 8.5 | 0.78 | 28 | | | | | | |
| | 150 | 10 | 0.70 | 25 | | | | | | |
| | 175 | 12 | 0.66 | 23 | | | | | | |
| HBD 7 | 100 | 7 | 1.24 | 44 | 7.5/10 | 71 | 25 | 60 | 875 | 72 |
| | 125 | 8.5 | 1.11 | 40 | | | | | | |
| | 150 | 10 | 0.96 | 34 | | | | | | |
| | 175 | 12 | 0.80 | 28 | | | | | | |
| HBD 11 | 100 | 7 | 1.92 | 68 | 11/15 | 74 | 26 | 63 | 1151 | 72 |
| | 125 | 8.5 | 1.77 | 63 | | | | | | |
| | 150 | 10 | 1.57 | 55 | | | | | | |
| | 175 | 12 | 1.43 | 51 | | | | | | |
| HBD 15 | 100 | 7 | 2.28 | 81 | 15/20 | 74 | 26 | 63 | 1239 | 72 |
| | 125 | 8.5 | 2.12 | 75 | | | | | | |
| | 150 | 10 | 1.97 | 70 | | | | | | |
| | 175 | 12 | 1.86 | 66 | | | | | | |
| HBD 15 L | 100 | 7 | 2.74 | 97 | 15/20 | 50 | 34 | 58 | 1058 | 72 |
| | 125 | 8.5 | 2.46 | 87 | | | | | | |
| | 150 | 10 | 2.17 | 77 | | | | | | |
| | 175 | 12 | 2.01 | 71 | | | | | | |
| HBD 18 | 100 | 7 | 3.36 | 119 | 18.5/25 | 50 | 34 | 58 | 1102 | 72 |
| | 125 | 8.5 | 3.00 | 106 | | | | | | |
| | 150 | 10 | 2.66 | 94 | | | | | | |
| | 175 | 12 | 2.50 | 88 | | | | | | |
| HBD 22 | 100 | 7 | 3.95 | 139 | 22/30 | 50 | 34 | 58 | 1168 | 73 |
| | 125 | 8.5 | 3.61 | 127 | | | | | | |
| | 150 | 10 | 3.21 | 113 | | | | | | |
| | 175 | 12 | 3.04 | 107 | | | | | | |
| HBD 30 | 100 | 7 | 5.53 | 195 | 30/40 | 63 | 41 | 69 | 1742 | 80 |
| | 125 | 8.5 | 4.83 | 171 | | | | | | |
| | 150 | 10 | 4.42 | 156 | | | | | | |
| | 175 | 12 | 4.00 | 141 | | | | | | |
| HBD 37 | 100 | 7 | 6.89 | 243 | 37/50 | 63 | 41 | 69 | 1830 | 81 |
| | 125 | 8.5 | 6.22 | 220 | | | | | | |
| | 150 | 10 | 5.68 | 201 | | | | | | |
| | 175 | 12 | 5.10 | 180 | | | | | | |

1. Unit performances measured in reference conditions which are 1 bar /14.5 psig absolute air pressure, %0 relative humidity, 20°C / 68 °F inlet air temperature, 71°C/160 °F thermostatic valve set temperature and use of Smartoil.
2. Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
3. Refers to sound pressure level measured according to ISO 2151:2008 and ISO ISO 3744:2010 with ± 3 dB(A) tolerance.
4. These are the dimensions of the products with tank&dryer HBD 4-15 series models.
5. These are the weights of the products with tank&dryer HBD 4-15 series models.
6. HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.

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