



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.

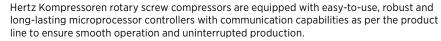


SERVICEABILITY

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







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, serviceand 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 star
- 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	DIMENSIONS (in.)			WEIGHT	NOISE
	psi	bar	m³/min	cfm	POWER kW/HP	Length	Width	Height	lbs	dB(A)
HBD 4	100 125 150 175	7 8.5 10 12	0.59 0.53 0.49 0.43	20.8 18.7 17.3 15.2	4/5.5	59	22	53	772	72
HBD 5	100 125 150 175	7 8.5 10 12	0.82 0.78 0.70 0.66	29.0 27.6 24.7 23.3	5.5/7.5	59	22	53	820	72
HBD 7	100 125 150 175	7 8.5 10 12	1.24 1.11 0.96 0.80	43.8 39.2 33.9 28.3	7.5/10	71	25	60	875	72
HBD 11	100 125 150 175	7 8.5 10 12	1.92 1.77 1.57 1.43	67.8 62.6 55.4 50.5	11/15	74	26	63	1151	72
HBD 15	100 125 150 175	7 8.5 10 12	2.28 2.12 1.97 1.86	80.6 74.8 69.6 65.7	15/20	74	26	63	1239	72
HBD 15 L	100 125 150 175	7 8.5 10 12	2.74 2.46 2.17 2.01	96.7 86.8 76.6 71.0	15/20	50	34	58	1058	72
HBD 18	100 125 150 175	7 8.5 10 12	3.36 3.00 2.66 2.50	118.6 106.0 93.9 88.3	18.5/25	50	34	58	1102	72
HBD 22	100 125 150 175	7 8.5 10 12	3.95 3.61 3.21 3.04	139.5 127.5 113.3 107.3	22/30	50	34	58	1168	73
HBD 30	100 125 150 175	7 8.5 10 12	5.53 4.83 4.42 4.00	195.3 170.6 156.1 141.2	30/40	63	41	69	1742	80
HBD 37	100 125 150 175	7 8.5 10 12	6.89 6.22 5.68 5.10	243.3 219.7 200.6 180.1	37/50	63	41	69	1830	81

^{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 \pm 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.