



HSC D 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.



SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release 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 or immersed type separator design depending on the product line

Immersed type separator

High performance separation with three-stage design

More efficient separation at lower volume with deeply wrapped, intertwined separation layers

Low amount of oil mist in outlet air ≤ 3 ppm

Spin-on separator

Easy replacement, ease of assembly and disassembly

Design that does not require a separator tank

MAIN MOTOR AND DRIVE SYSTEM

High efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation

Direct coupled model, long-lasting and efficient transfer system thanks to use of elastic couplings





HSC D SERIES Rotary Screw Air Compressors

HERTZ HSC D series compressors **deliver high performance by reducing the power transfer losses with their directly-coupled** motor and screw block. Operation expenses are reduced thanks to usage of the latest generation screw block and motor. Stops are minimized with continuously supplied air.



MAIN MOTOR DRIVE SYSTEM

- Long life and efficient power transfer thanks to the use of elastic coupling

SCREW BLOCK

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

AIR/OIL SEPARATOR

- High performance separation with three-stage design
- More efficient separation at lower volume with deeply wrapped, intertwined separation layers
- Low amount of oil mist in outlet air ≤ 3 ppm

COOLING SYSTEM

- Quiet and efficient axial fan
- Temperature-controlled fan motor



TECHNICAL DATA

| MODEL | PRESSURE | | CAPACITY | | MOTOR POWER kW/HP | CONNECTION SIZE | DIMENSIONS mm | | | WEIGHT kg | NOISE dB(A) |
|------------|-----------------|-------------------|----------------------|----------------------|-------------------|-----------------|---------------|-------|--------|-----------|-------------|
| | bar | PSI | m ³ /min | SCFM | | | Width | Depth | Height | | |
| HSC 22 D | 7,5 10 | 110 145 | 4,0 3,6 | 141 127 | 22/30 | 1" | 1275 | 850 | 1465 | 483 | 70 |
| HSC 30 B D | 7,5 10 13 | 110 145 190 | 5,5 4,5 3,9 | 194 159 138 | 30/40 | 1 1/4" | 1575 | 1030 | 1750 | 731 | 70 |
| HSC 37 D | 7,5 10 13 | 110 145 190 | 6,6 5,6 4,6 | 233 198 163 | 37/50 | 1 1/4" | 1575 | 1030 | 1750 | 742 | 70 |
| HSC 45 B D | 7,5 10 13 | 110 145 190 | 8,5 7,1 5,9 | 300 251 208 | 45/60 | 1 1/2" | 2000 | 1200 | 1810 | 1370 | 74 |
| HSC 55 D | 7,5 10 13 | 110 145 190 | 9,8 8,7 7,0 | 346 307 247 | 55/75 | 1 1/2" | 2000 | 1200 | 1810 | 1520 | 76 |
| HSC 75 D | 7,5 10 13 | 110 145 190 | 12,6 11,0 9,2 | 445 388 325 | 75/100 | 1 1/2" | 2000 | 1200 | 1810 | 1670 | 78 |
| HSC 90 D | 7,5 10 13 | 110 145 190 | 16,2 13,7 11,2 | 572 484 396 | 90/125 | 2" | 2500 | 1400 | 2037 | 2240 | 79 |
| HSC 110 D | 7,5 10 13 | 110 145 190 | 19,5 17,9 14,0 | 688 632 494 | 110/150 | 2" | 2500 | 1400 | 2037 | 2640 | 79 |
| HSC 132 D | 7,5 10 13 | 110 145 190 | 23,4 20,0 16,5 | 826 706 583 | 132/180 | 2 1/2" | 2750 | 1805 | 2000 | 2970 | 79 |
| HSC 160 D | 7,5 10 13 | 110 145 190 | 28,0 23,5 20,0 | 989 830 706 | 160/220 | 2 1/2" | 2750 | 1805 | 2000 | 3080 | 79 |
| HSC 200 D | 7,5 10 13 | 110 145 190 | 37,0 30,8 24,5 | 1307 1088 865 | 200/270 | NW80 | 3250 | 2250 | 2450 | 4920 | 79 |
| HSC 250 D | 7,5 10 13 | 110 145 190 | 45,0 38,6 32,6 | 1590 1368 1151 | 250/340 | NW100 | 3250 | 2250 | 2450 | 5600 | 79 |
| HSC 315 D | 7,5 10 13 | 110 145 190 | 53,0 45,5 39,5 | 1872 1607 1395 | 315/430 | NW100 | 3250 | 2250 | 2450 | 5920 | 79 |

1. Unit performances measured in reference conditions which are 1 bar absolute air pressure, %0 relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smartoil.
HERTZ KOMPRESSOREN reserves its rights to make changes in its products and specifications without prior notice.
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 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.

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