



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

- 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.
- Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
- Refers to sound pressure level measured according to ISO 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.

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