



## 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 high volumetric efficiency, 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

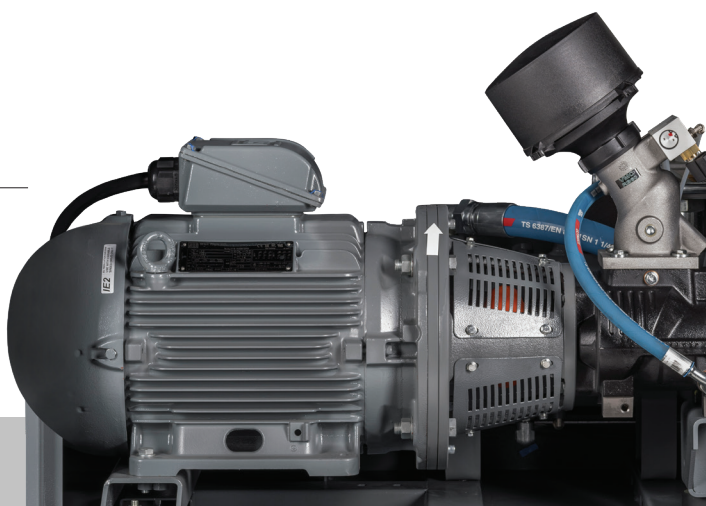
Design that does not require a separator tank



## 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





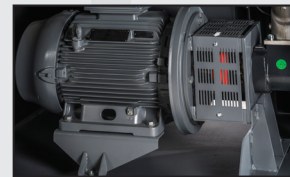
## HSC D SERIES

### 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
- TEFC, premium efficiency etc.



#### SCREW BLOCK

- Gear box as per AGMA (American Gear Manufacturers Association) standards for products where air ends gearbox 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	Connection Size	Dimensions (mm)			Weight	Noise**
	bar	psi	m³/min	cfm	kW/HP		Width	Depth	Height	kg	dB(A)
HSC 22 D	7,5 10	110 145	4,0 3,6	141 127	22/30	G 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	G 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	G 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	G 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	G 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	G 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	G 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"G	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	G 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	G 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	DN80	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	DN100	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	DN100	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.

