

Rotary Screw Compressors

HSC D Series

HSC 22D / 30BD / 37D / 45BD / 55D / 75D / 90D
110D / 132D / 160D / 200D / 250D / 315D

hertz[®]
KOMPRESSOREN



HERTZ HSC D series compressors are designed to provide high performance with directly coupled electro motor and air end. Using latest generation air end and motor, they are sure lowest operating costs with long and trouble free operating lifetime.

AIR END

- New generation rotary screw air end with high efficiency, durability and low energy consumption
- New generation bearing system with high load carrying capacity
- New rotor profile decreasing air leakages and required torque values
- Gearbox in accordance with AGMA (American Gear Manufacturers Association) standards.

MAIN MOTOR AND DRIVE SYSTEM

- High efficiency 400V/3 phase/50Hz IE3 class IP55 electric motor
- Direct-drive mechanism with flexible coupling
- Motor drive system with star-delta connection

AIR INTAKE SYSTEM

- Featured with three control block units, a solenoid valve and a control cylinder
- Low maintenance intake system
- Two stage air intake filter system

AIR / OIL SEPARATORS

- Progressive type, deep bedded and meshed separation layers
- High performance design with three-stage separation
- Low oil carryover ≤ 3 ppm

COOLING SYSTEM

- Aluminum combi-cooler for oil and compressed air with Bar/Plate system
- Four-way thermostatic valve
- Silent and effective axial fan
- Temperature controlled stand-alone fan motor

OTHER FEATURES

- Removable acoustic canopy & rigid base plate
- Dry type air intake filter
- Full flow oil filter
- Electropneumatic on-off controlled suction valve
- Minimum pressure valve
- Mechanical and electrical safety systems
- Quick discharge valve and its silencer
- PLC control unit with LCD panel

OPTIONS

- Water cooling system
- Heat recovery system
- Cold start
- Water separator with automatic drainage system
- Food grade lubricant for food production
- Soft-starter
- Variable speed drive (VSD) for fan motor (Except water cooled models)
- IE4 efficiency class main motor
- Power supply options other than 400V/3 phase/50Hz

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SPECIFICATIONS

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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 22D	7,5 10	110 145	4,0 3,6	141 127	22/30	1"	1275	850	1465	483	70
HSC 30BD	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 37D	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 45BD	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 55D	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 75D	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 90D	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 110D	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 132D	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 160D	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 200D	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 250D	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 315D	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.

