

Oil Injected Direct Driven Rotary Screw Compressors

HSC D Series

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



HERTZ Kompressoren HSC D series compressors are manufactured to be used in different fields of applications without any performance loss. By using latest advanced technology, We assure the lowest operating costs with long and trouble free operating life time.

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 and long service intervals
- New rotor for profile decreasing air leakages and required torque values
- Gearbox in accordance with AGMA (American Gear Manufacturers Association) standards

MAIN MOTOR AND DRIVE SYSTEM

- Direct-drive mechanism with flexible coupling
- Motor drive system with star-delta connection

AIR / OIL SEPARATORS

- Easily replaceable spin-on type separator (HSC 22 D - 37 D)
- High capacity long life in line separator for (Above HSC 45 B D)
- Special Air-Oil separator tanks are designed by latest engineering softwares for low pressure drop, high separation efficiency and low acoustic emission
- High performance design with three-stage separation
- Low oil carryover ≤ 3 ppm

AIR INTAKE SYSTEM

- Normally opened poppet type intake regulation
- Normally-closed butterfly type intake regulation
- High intake flow efficiency due to low pressure drop
- Glass-fibre prefilter provides efficient pre-separation and cleaner compressor canopy
- Air intake filter with high dust capacity, long service life and up to 99 % separation efficiency

COOLING SYSTEM

- Four-way thermostatic valve ensures all HERTZ Kompressoren rotary screw compressors work at optimum temperature during the operation
- Thermostatic valve increases cooling performance and eliminates the risk of water condensation inside the air-oil separator tank
- Aluminum bar and plate type compressor cooler which manufactured by vacuum-brazing technology for high efficiency and long life
- Combi-cooler design with oil cooler for compressor oil and integrated aftercooler to ensure low compressed air outlet temperature
- Axial cooling fans on main motor
- Separate, temperature controlled, silent and energy efficient axial cooling fans

STANDARD EQUIPMENTS

- Removable acoustic canopy & rigid base plate
- Dry type air intake filter
- Full flow oil filter
- Minimum pressure valve
- Mechanical and electrical safety systems
- Blowdown valve with silencer (Above HSC 45 B D)
- PLC control unit (Above HSC 45 B D)
- Water separator with automatic drain

OPTIONS

- Water cooling system
- Heat recovery system
- Cold start
- Food grade lubricant for food production
- Soft-starter
- Variable speed driven fan motor (Except water cooled models)
- IE4 efficiency class main motor
- Different voltages and frequency options

HSC D Series

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

SPECIFICATIONS



MODEL	PRESSURE		CAPACITY		MOTOR POWER kW/HP	CONNETION 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

- 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.

