

Oil Injected Belt Driven Rotary Screw Compressors

HSC Series

HSC 45 / HSC 55 / HSC 75 / HSC 90 / HSC 110 / HSC 132 / HSC 160

hertz[®]
KOMPRESSOREN



HERTZ Kompressoren HSC 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 design with high load carrying capacity
- New rotor for profile decreasing air leakages and required torque values

MAIN MOTOR AND DRIVE SYSTEM

- Highly efficient, operationally reliable V-belt drive
- Easy belt tensioning system
- Star-delta cubrcl
- IE3 efficiency class main motor

AIR / OIL SEPARATORS

- High capacity, long life in line type separator element
- Special Air-Oil separator tanks are designed by latest engineering softwares for low pressurre 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 radiator 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
- PLC control unit
- Factory filled oil



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SPECIFICATIONS

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OPTIONS

- Cold start
- Soft-starter
- IE4 efficiency class main motor
- Food grade lubricant for food production
- Water separator with automatic drain system
- Different voltages and frequency options

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 45	7,5	110	7,2	254	45/60	1 1/4"	1575	1030	1750	876	75
	10	145	6,4	226							
	13	190	5,4	191							
HSC 55	7,5	110	9,6	339	55/75	1 1/2"	2000	1200	1810	1340	76
	10	145	8,5	300							
	13	190	6,6	233							
HSC 75	7,5	110	12,4	438	75/100	1 1/2"	2000	1200	1810	1610	78
	10	145	10,5	371							
	13	190	8,7	307							
HSC 90	7,5	110	15,8	557	90/125	2"	2500	1400	2037	2240	79
	10	145	13,5	477							
	13	190	11,0	388							
HSC 110	7,5	110	18,8	664	110/150	2"	2500	1400	2037	2500	79
	10	145	16,5	583							
	13	190	14,0	495							
HSC 132	7,5	110	22,8	805	132/180	2 1/2"	2500	1805	2000	2873	79
	10	145	19,5	689							
	13	190	16,0	565							
HSC 160	7,5	110	27,4	968	160/220	2 1/2"	2500	1805	2000	3030	79
	10	145	23,0	812							
	13	190	19,5	689							

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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