

Rotary Screw Compressors

HSC Series

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

hertz[®]
KOMPRESSOREN



HERTZ HSC series compressors are manufactured to be employed different areas of application without any performance loss. High performance and quality grade parts used in manufacturing and assembly of these products which are designed to make users in every level of experience easily adapt and learn, provide long maintenance periods and thus, low operating costs as a result.

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 profile decreasing air leakages and required torque values

MAIN MOTOR AND DRIVE SYSTEM

- High efficiency 400V/3 phase/50Hz IE3 class IP55 electric motor
- Drive system with belt-pulley mechanism
- Belts have a working life of a minimum 25,000 hours
- Easy belt tensioning system
- 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

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SPECIFICATIONS



OPTIONS

- Water cooling system
- Heat recovery system
- Cold start
- Water separator with automatic drainage system
- Food grade lubricant for food production
- Soft-starter
- IE4 efficiency class main motor
- Power supply options other than 400V/3phase/50Hz

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

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