

hertz
KOMPRESSOREN

HSC
Rotary Screw Air Compressor
45-160 kW





HSC SERIES

*Oil Injected, Belt Driven, Fixed Speed
Rotary Screw Air Compressor*

Our well-designed powerful screw compressor series can be operated easily by all users.

General Features

- High-quality, easy-to-replace components with a long service life
- Next gen screw block and motor
- Electronic control
- Integrated dryer and heat recovery option
- Fully synthetic oil option suitable for food production



Advantages

- Easily accessible parts for reduced maintenance costs.
- Protective covers can be removed and fitted quickly for easy servicing.
- Controllers allow ease of access and ease of use.



Controller

- Can run 2 compressors without the need for an external master controller M/S (Master/Slave- equal ageing)
- Automatic motor bearing lubrication system prolongs the service life of motor bearings
- Weekly scheduler for starting/stopping the machine at 3 different time intervals can be individually set for each day of the week
- Built-in ModBus communication
- User-friendly display interface
- Built-in phase protection relay
- Alarm History records last 20 alarms
- Maintenance warnings and history



Main Motor and Drive System

- IE3 efficiency-class electric motor
- Star/delta motor starter
- Belt-pulley drive system
- Easy-to-use belt tensioner and pulley bushing for easy servicing, removal, and installation.
- Soft start



Screw Block

- Durable, patented screw block specially selected based on the capacity needs of each model provides high-capacity air
- New rotor profiles for reduced loss air production and lower torque requirements
- Next gen bearing design for improved load bearing capabilities



Cooling System

- Quiet and efficient axial fan
- Temperature controlled fan motor
- Water cooled option



Certification

- High-quality components such as electrical materials selected in accordance with IEC, UL/cUL, CE standards, high efficiency, less energy consuming screw block offered as standard.



Model	Pressure		Capacity*		Motor	Connection	Dimensions (mm)			Weight
	bar	psi	m³/min	cfm			Width	Length	Height	
HSC 60	7,5	110	7,2	254	45/60	G 1 1/4"	1605	1030	1755	878
	10	145	6,4	226						
	13	190	5,4	191						
HSC 75	7,5	110	9,6	339	55/75	G 1 1/2"	2065	1200	1810	1371
	10	145	8,5	300						
	13	190	6,6	233						
HSC 100	7,5	110	12,4	438	75/100	G 1 1/2"	2065	1200	1810	1408
	10	145	10,5	371						
	13	190	8,7	307						
HSC 125	7,5	110	15,8	558	90/125	G 2"	2525	1440	2040	2240
	10	145	13,5	477						
	13	190	11	388						
HSC 150	7,5	110	18,8	664	110/150	G 2"	2525	1440	2040	2500
	10	145	16,5	583						
	13	190	14	495						
HSC 180	7,5	110	22,8	805	132/180	G 2 1/2"	2500	1805	2000	2873
	10	145	19,5	689						
	13	190	16	565						
HSC 220	7,5	110	27,4	968	160/220	G 2 1/2"	2500	1805	2000	3030
	10	145	23	812						
	13	190	19,5	689						

- 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 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 E standard.