

Rotary Screw Compressors

HGS & HSC Series

HGS 2 / HGS 3 / HGS 4 / HGS 5.5 / HGS 7.5 / HGS 11 / HGS 15
HSC 15 / HSC 18.5 / HSC 22 / HSC 30 / HSC 30B / HSC 37

hertz[®]
KOMPRESSOREN



HERTZ HGS&HSC series are suitable to use in every kind of application with high performance and trouble free generation for small and medium sized industries. They are manufactures considering the international quality standarts and available in versions (base mounted, tank mounted, with dryer).

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 / OIL SEPARATORS

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

AIR INTAKE SYSTEM

- Low maintenance intake system
- Air operated valves (HGS 2-15)
- Featured with three control block units, a solenoid valve and a control cylinder (HSC 15-37)
- Two stage air intake filter system

COOLING SYSTEM

- Aluminum combi-cooler for oil and compressed air with Bar/Plate system
- Four-way thermostatic valve
- Silent and effective axial fan directly coupled to the main motor shaft (HGS 2-15)
- Temperature controlled fan motor (HSC 15-37)

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
- PLC control unit

OPTIONS

- Versions with air receiver only and air receiver&air dryer (HGS 2-15)
- Water cooling system (HSC 15-37)
- Heat recovery system (HSC 15-37)
- Cold start
- Soft-starter
- IE4 efficiency class main motor
- Food grade lubricant for food production
- Power supply options other than 400V/3phase/50Hz



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SPECIFICATIONS



MODEL	PRESSURE		CAPACITY		AIR RECEIVER lt	MOTOR POWER kW/HP	CONNECTION SIZE	DIMENSIONS mm			WEIGHT [kg]	NOISE dB(A)
	bar	PSI	m ³ /min	SCFM				Width	Depth	Height		
HGS 2	7,5	110	0,38	13,4	200/250	2.2/3,0	1/2"	1500	550	1350	240	68
HGS 3	7,5 10	110 145	0,41 0,36	14,5 12,7	200/250	3,0/4,0	1/2"	1500	550	1350	245	68
HGS 4	7,5 10 13	110 145 190	0,56 0,46 0,35	19,8 16,3 12,3	200/250	4,0/5,5	1/2"	1500	550	1350	250	69
HGS 5.5	7,5 10 13	110 145 190	0,80 0,65 0,53	28,3 23 18,7	200/250	5,5/7,5	1/2"	1500	550	1325	272	69
HGS 7.5	7,5 10 13	110 145 190	1,15 0,95 0,77	40,6 33,6 27,2	500	7,5/10	3/4"	1810	640	1520	385	69
HGS 11	7,5 10 13	110 145 190	1,70 1,40 1,16	60 49,5 41	500	11/15	3/4"	1880	650	1600	414	69
HGS 15	7,5 10 13	110 145 190	2,25 1,96 1,61	79,5 69,2 56,9	500	15/20	3/4"	1880	650	1600	450	69
HSC 15	7,5 10 13	110 145 190	2,70 2,30 1,90	95,4 81,2 67,1	-	15/20	1"	1275	850	1465	410	69
HSC 18.5	7,5 10 13	110 145 190	3,30 2,80 2,40	116,6 98,9 84,8	-	18,5/25	1"	1275	850	1465	420	69
HSC 22	7,5 10 13	110 145 190	3,80 3,50 3,00	134,2 123,6 106,0	-	22/30	1"	1275	850	1465	450	70
HSC 30	7,5 10 13	110 145 190	4,60 4,00 3,60	162,5 141,3 127,1	-	30/40	1 1/4"	1575	1030	1750	683	70
HSC 30B	7,5 10 13	110 145 190	5,20 4,30 3,70	183,7 151,9 130,7	-	30/40	1 1/4"	1575	1030	1750	710	70
HSC 37	7,5 10 13	110 145 190	6,40 5,40 4,30	226 190,7 151,9	-	37/50	1 1/4"	1575	1030	1750	742	70

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.

- Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
- Air receiver volume for the HGS 2-15 series models with only air receiver and air receiver & air dryer respectively.
- Refers to sound pressure level measured according to ISO 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.
- Dimensions of the models with only air-receiver for HGS 2-15 series.
- Weights of the models with only air-receiver for HGS 2-15 series.

