



## HGS F & HSC F SERIES ROTARY SCREW AIR COMPRESSORS



### STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, IP54 fan motors, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, high efficiency screw blocks consuming less energy are provided as standard in all our products.



### SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release protective covers and easy-to-use controllers minimizes downtime and reduces maintenance costs.



## ELECTRONIC CONTROL

Hertz air compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.

### Logika-9 Controller

M/S (Master/Slave - Equal aging) operation function without requiring an external main controller for 2 compressors  
Internal ModBus communication  
User friendly screen interface



## SCREW BLOCK

Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement. Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements.



## AIR OIL SEPARATOR

### Spin-on separator

Easy replacement, ease of assembly and disassembly  
Design that does not require a separator tank



## MAIN MOTOR AND DRIVE SYSTEM

High efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation  
Star delta motor starting system  
Easy of assembly and disassembly with bush pulleys on belt-pulley models



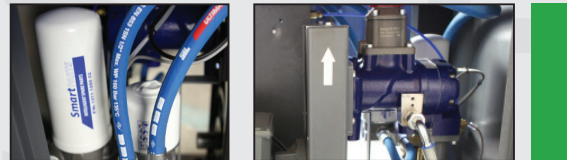
## HGS F & HSC F SERIES Air Compressors

HGS F & HSC F series compressors are used safely in all applications of small and medium sized businesses thanks to their high performance in operation.

Its service and maintenance-friendly compact structure speeds up your work, and minimizes downtime.

### MAIN MOTOR DRIVE SYSTEM

- Belt-pulley drive system
- Serviceability thanks to easy belt tensioning system



### AIR/OIL SEPARATOR

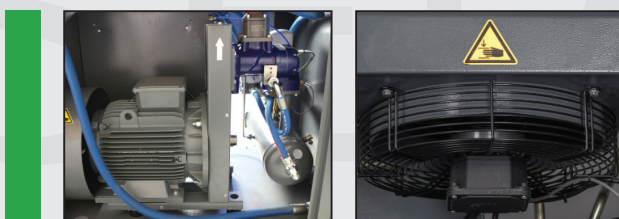
- Easy to disassemble and assemble, service and maintenance-friendly spin-on type separator.

### COOLING SYSTEM

- Quiet and efficient axial fan directly connected to main motor (HGS 3 F - HGS 15 F)
- Additional axial fan with temperature control (HSC 18 F - HSC 75 F)

### OTHER FEATURES

- Compact, small footprint, easy to service.
- Air tank made of CE certified P265GH pressurized container steel (HGS 3 F - HGS 15 F) (EN 286-1)



## TECHNICAL DATA

MODEL	PRESSURE		CAPACITY		MOTOR POWER kW/HP	AIR CONNECTION	DIMENSIONS mm			WEIGHT
	bar	psi	m <sup>3</sup> /min	cfm			Length	Width	Height	kg
HGS 3 F	7,5	110	0,40	14,13	3/4	1/2"	950/1450	550	900/1400	155
	10	145	0,33	11,65						
HGS 4 F	7,5	110	0,60	21,19	4/5,5	1/2"	950/1450	550	900/1400	160
	10	145	0,50	17,66						
	13	190	0,39	13,77						
HGS 5 F	7,5	110	0,82	28,96	5,5/7,5	3/4"	950/1450	550	900/1400	185
	10	145	0,70	24,72						
	13	190	0,60	21,19						
HGS 7 F	7,5	110	1,15	40,61	7,5/10	3/4"	1240/1915	650	950/1640	270
	10	145	1,00	35,31						
	13	190	0,85	30,02						
HGS 11 F	7,5	110	1,65	58,27	11/15	3/4"	1240/1915	650	950/1640	280
	10	145	1,45	51,21						
	13	190	1,25	44,14						
HGS 15 F	7,5	110	2,52	88,99	15/20	3/4"	1240/1915	650	950/1640	325
	10	145	2,20	77,69						
	13	190	1,85	65,33						
HSC 18 F	7,5	110	3,00	105,94	18,5/25	1"	1250	850	1335	400
	10	145	2,60	91,82						
	13	190	2,10	74,16						
HSC 22 F	7,5	110	3,30	116,54	22/30	1"	1250	850	1335	440
	10	145	3,10	109,48						
	13	190	2,60	91,82						
HSC 30 F	7,5	110	4,80	169,51	30/40	1 1/4"	1350	900	1585	590
	10	145	4,30	151,85						
	13	190	3,60	127,13						
HSC 37 F	7,5	110	5,80	204,83	37/50	1 1/4"	1350	900	1585	635
	10	145	5,15	181,87						
	13	190	4,50	158,92						
HSC 55 F	7,5	110	9,05	319,60	55/75	1 1/2"	1800	1200	1800	1235
	10	145	7,90	278,99						
	13	190	6,70	236,61						
HSC 75 F	7,5	110	12,05	425,54	75/100	1 1/2"	1800	1200	1800	1470
	10	145	10,70	377,87						
	13	190	9,30	328,43						

- These values are recorded under reference conditions of 1 bar absolute air pressure, 0% relative humidity, 20 °C inlet air temperature, 71 °C thermostatic valve set value and Smartoil usage.
- HERTZ Kompressoren reserves the right to make changes on its products without prior notice.
- Refers to the free air flow measured in accordance with ISO 1217: 2009, Annex C standard.
- The first one among the given volume values is for the model with a tank and without a dryer; and the second one is for the model with a tank and a dryer.
- Refers to the sound pressure level with a tolerance of  $\pm 3$  dB(A) measured in accordance with ISO 2151:2004 and ISO 9614/2 standards.

**hertz**  
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