

**hertz**  
KOMPRESSOREN



**HS SERIES**  
**SCROLL COMPRESSORS**

# GENERAL FEATURES



## ELECTRONIC CONTROL

HERTZ Scroll compressors are equipped with easy-to-use, robust and long-lasting microprocessor control devices with communication features according with the product line to ensure smooth operation and uninterrupted production.



### Efficient Control of Multiple Oil-Free Scroll Compressors

DX320 controllers can control up to 8 units of oil-free scroll compressors efficiently. Each compressor and step can be adjusted differently.

### Intelligence Balance Control by Rotation

For overall working balance and equal ageing, compressors are operated according to the working hours and on/off priorities.

### Ease of Service

Designed by consideration of convenient spare parts replacement and maintenance periods for ease of service.

### RS485 Communication (MODBUS)

Versatile and able to connect with the upper systems perfectly. Communication via RS485 (MODBUS) offers and provides many features to the users such as remote control, remote display, data monitoring.



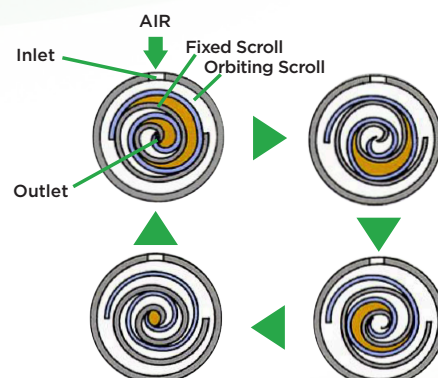
## MECHANISM AND STRUCTURE



### Scroll Type Compression Principle

Orbital scroll member and fixed scroll member are matched to create compression chambers.

The continuous movement of the orbital spiral compresses air from the atmosphere and produces oil-free, contaminant-free compressed air.





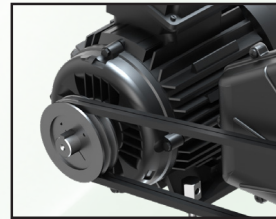
## HS Series Scroll Compressors

Hertz HS series oil-free scroll compressors offers 100% oil-free compressed air for applications that require clean & oil-free air. HS Series oil-free scroll compressors offers the best solution for clean compressed air for production industries such as electronics, food & beverage, pharmaceutical production as well as applications that clean oil-free air is essential; medical, dental, railway transportation & medical applications. Completely oil-free compressed air according to ISO 8573-1 Class- ZERO.



### MAIN MOTOR AND DRIVE SYSTEM

- Premium efficiency IE3/IP 55/F Class motors.
- Belt-pulley drive system.
- Easy belt tensioning system.



### COMPRESSOR BLOCK

- High efficiency scroll design.
- Integrated cooling fan on scroll element provides efficient cooling.
- Oil-less design avoids frequent oiling.

### FEATURES

- Compact in size
- Low vibration
- Extremely low noise level
- Sound insulated canopy
- Built in aftercooler(s), water separator and stainless piping
- Robust and durable single unit or stacked design
- CLASS-0 ISO 8573-1



# TECHNICAL DATA

Model	Pressure		Capacity		Motor Power kW/HP	Connection Size	Dimensions (mm)			Weight kg
	bar	psi	m <sup>3</sup> /min	cfm			Length	Width	Height	
HS1.5-S	8	115	0,16	6	1,5/2	G 1/2"	750	710	900	195
	-	-	-	-						
HS2.2-S	8	115	0,24	9	2,2/3	G 1/2"	750	710	900	200
	10	145	0,20	7						
HS3.7-S	8	116	0,40	14	3,7/5	G 1/2"	750	710	900	220
	10	145	0,34	12						
HS5.5-S	8	115	0,60	21	5,5/7,5	G 1/2"	750	710	900	230
	10	145	0,47	17						
HS7.5-S	8	115	0,85	30	7,5/10	G 1/2"	750	800	900	235
	10	145	0,68	24						
HS7,5-D	8	115	0,80	29	7,5/10	G 3/4"	1500	800	1050	405
	10	145	0,68	24						
HS11-D	8	115	1,20	43	11/15	G 3/4"	1500	800	1050	425
	10	145	0,94	34						
HS15-D	8	115	1,70	61	15/20	G 3/4"	1500	800	1050	440
	10	145	1,36	49						
HS11-T	8	115	1,20	43	11/15	G 1"	1500	800	1840	590
	10	145	1,02	36						
HS16,5-T	8	115	1,80	64	16,5/22	G 1"	1500	800	1840	665
	10	145	1,41	50						
HS22.5-T	8	115	2,55	91	22,5/30	G 1"	1500	800	1840	675
	10	145	2,04	73						
HS15-Q	8	115	1,60	57	15/20	G 1"	1500	800	1840	695
	10	145	1,36	49						
HS22-Q	8	115	2,50	88	22/30	G 1"	1500	800	1840	795
	10	145	1,88	67						
HS30-Q	8	115	3,40	121	30/40	G 1"	1500	800	1840	805
	10	145	2,72	97						

- 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.