hertz
KOMPRESSOREN

HS
Scroll Air Compressors
1,5-30 kW

0,16-3,40 m³/min

1,5-30 kW

8-10 bar

ISO 8573-1 CLASS OIL-FREE

HS SERIES

Oil-Free, Belt Driven
Scroll Air Compressors

Your solution partner specially designed to meet 100% of the air needs in the food and beverage, chemical, pharma, and healthcare industries where oil-free air quality is essential.

General Features

- Compact design
- Soundproofed canopy
- Internal air cooler(s), water separator, and stainless pipes
- Robust and durable single unit or stacked design

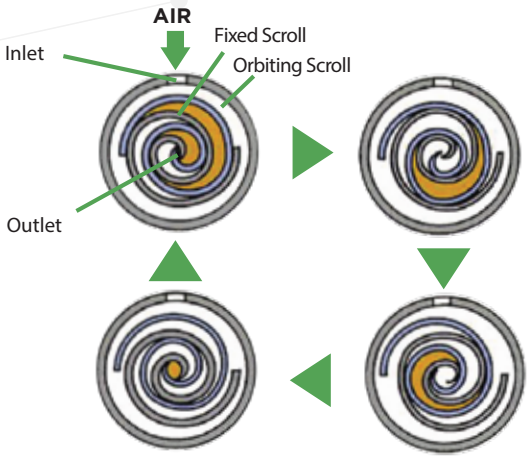
Advantages

- Low noise level thanks to low-vibration operation.
- User-friendly, robust and long-lasting microprocessor control device with communication features based on the product smooth operation and interruption-free production.
- Component placement specifically designed to reduce downtimes during maintenance process.

Scroll Type Compression Principle

Orbital and fixed spiral elements align to create compression chambers.

The continuous movement of the orbital spiral compresses air from the atmosphere producing oil-free and pollutant-free air.



Main Motor and Drive System

- IE3 efficiency-class electric motors
- Belt-pulley drive system
- Easy belt tensioning system

Compressor Block

- Effective and oil-free scroll design
- Integrated cooling fan on the scroll unit for effective cooling
- Star/delta connection (3,7 kW and above)

Controller

- Without the need for an external main controller, ability to co-aged work synchronized with Master/Slave for up to two compressors
- Internal ModBus communication
- User-friendly on-screen interface
- Alarm log records last 20 alarms

For double stage and above

- Weekly scheduler for starting/stopping the machine at 3 different time intervals can be individually set for each day of the week
- Maintenance warnings and log records
- Equal ageing through scroll units
- Automatic start/stop of units according to air demand

	Model	Pressure		Capacity *		Motor	Connection	Dimensions [Width x Length x Height] (mm)			Weight (kg)		
		bar	psi	m³/min	cfm	kW/HP		Base Mounted	Tank Mounted	Tank + Dryer	Base Mounted	Tank Mounted	Tank + Dryer
SINGLE	HS1.5-S	8	115	0,16	5,65	1,5 / 2	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	195	329	372
	HS2.2-S	8	115	0,24	8,48	2,2 / 3	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	200	334	377
		10	145	0,2	7,06								
	HS3.7-S	8	115	0,4	14,13	3,7 / 5	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	220	354	397
		10	145	0,34	12,01								
	HS5.5-S	8	115	0,6	21,19	5,5 / 7	G 1/2"	750x731x900	1773x823x1381	1818x823x1381	230	364	407
		10	145	0,47	16,6								
	HS7.5-S	8	115	0,85	30,01	7,5 / 10	G 1/2"	750x731x900	1773x823x1381	1818x823x1428	235	369	431
		10	145	0,68	24,01								
DOUBLE	HS7,5-D	8	115	0,8	28,25	(2 x 3,7) / 10	G 3/4"	1500x821x1050	1972x926x1725	-	405	590	-
		10	145	0,68	24,01								
	HS11-D	8	115	1,2	42,38	11(2 x 5,5) / 15	G 3/4"	1500x821x1050	1972x926x1725	-	425	610	-
		10	145	0,94	33,2								
	HS15-D	8	115	1,7	60,03	15(2 x 7,5) / 20	G 3/4"	1500x821x1050	1972x926x1725	-	440	625	-
		10	145	1,36	48,02								
TRIPLE	HS11-T	8	115	1,2	42,38	(3 x 3,7) / 15	G 1"	1500x823x1840	-	-	540	-	-
		10	145	1,02	36,02								
	HS16,5-T	8	115	1,8	63,57	16,5(3 x 5,5) / 22	G 1"	1500x823x1840	-	-	615	-	-
		10	145	1,41	49,79								
	HS22.5-T	8	115	2,55	90,05	22,5(3 x 7,5) /30	G 1"	1500x823x1840	-	-	625	-	-
		10	145	2,04	72,04								
QUADRUPLE	HS15-Q	8	115	1,6	56,5	15(4 x 3,7) / 20	G 1"	1500x823x1840	-	-	645	-	-
		10	145	1,36	48,03								
	HS22-Q	8	115	2,4	84,75	22(4 x 5,5) / 30	G 1"	1500x823x1840	-	-	745	-	-
		10	145	1,88	66,39								
	HS30-Q	8	115	3,4	120,07	30(4 x 7,5) / 40	G 1"	1500x823x1840	-	-	755	-	-
		10	145	2,72	96,06								

- 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.

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PT. AUGUST INDONESIA JAYA
sales@augustindonesiajaya.com
www.augustindonesiajaya.com

JAKARTA
Komplek Gading Bukit Indah Blok V No. 23
Kelapa Gading - Jakarta Utara 14240
Indonesia
Telp : +62 21 2938 2790

BANDUNG
Taman Holis Indah Blok E4 No. 21
Kel. Cigondewah Kidul Kec. Bandung Kulon
Bandung, Jawa Barat 40214
Indonesia
Telp : +62 22 2057 3429

SOLO
Jl. Raya Solo Sragen KM.15 Dukuh Nglarangan RT.03/RW.01
Kel. Kebak, Kec. Kebakramat, Kab.Karanganyar,
Jawa Tengah 57762
Indonesia
Telp : +62 271 601 2023