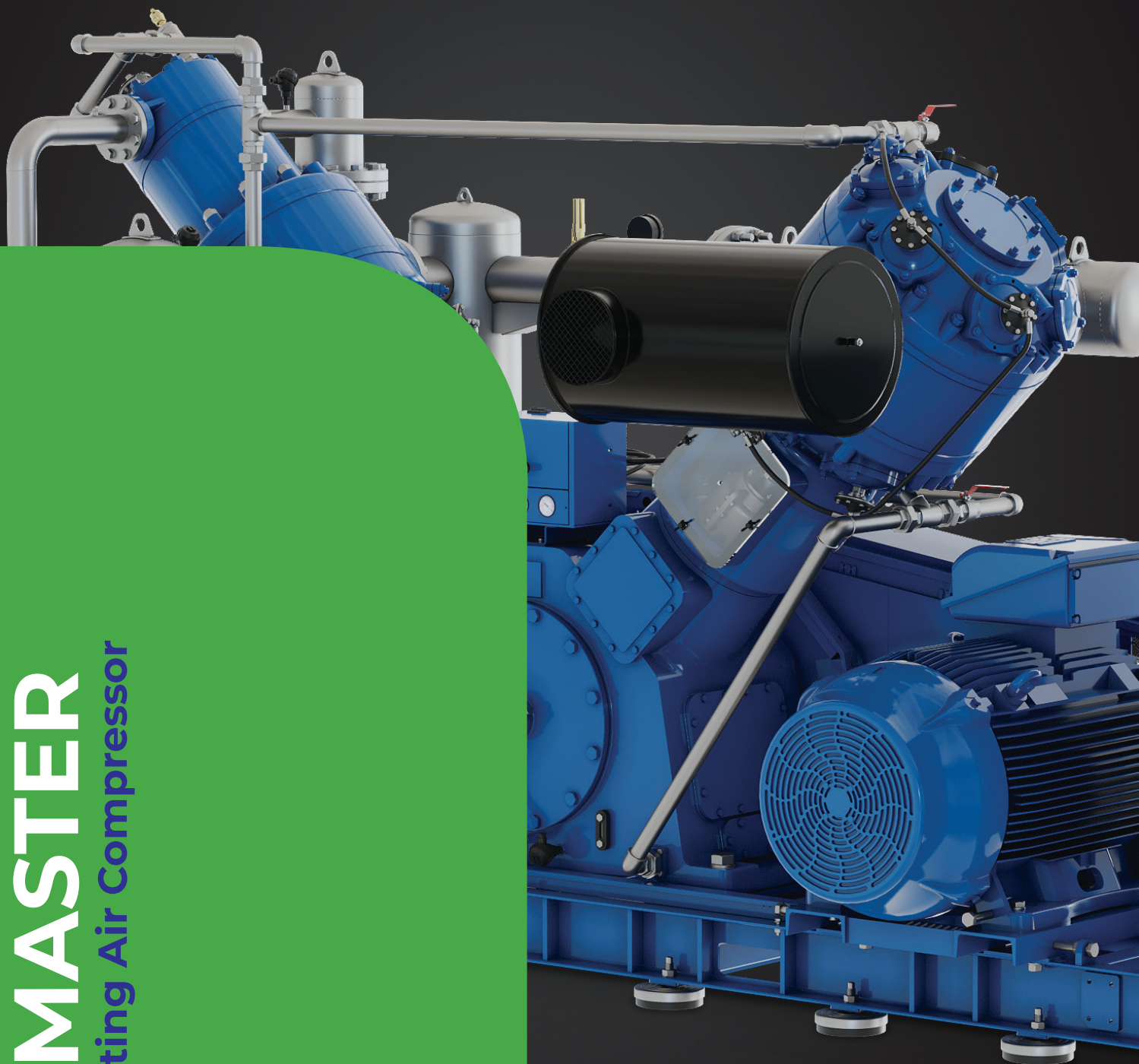


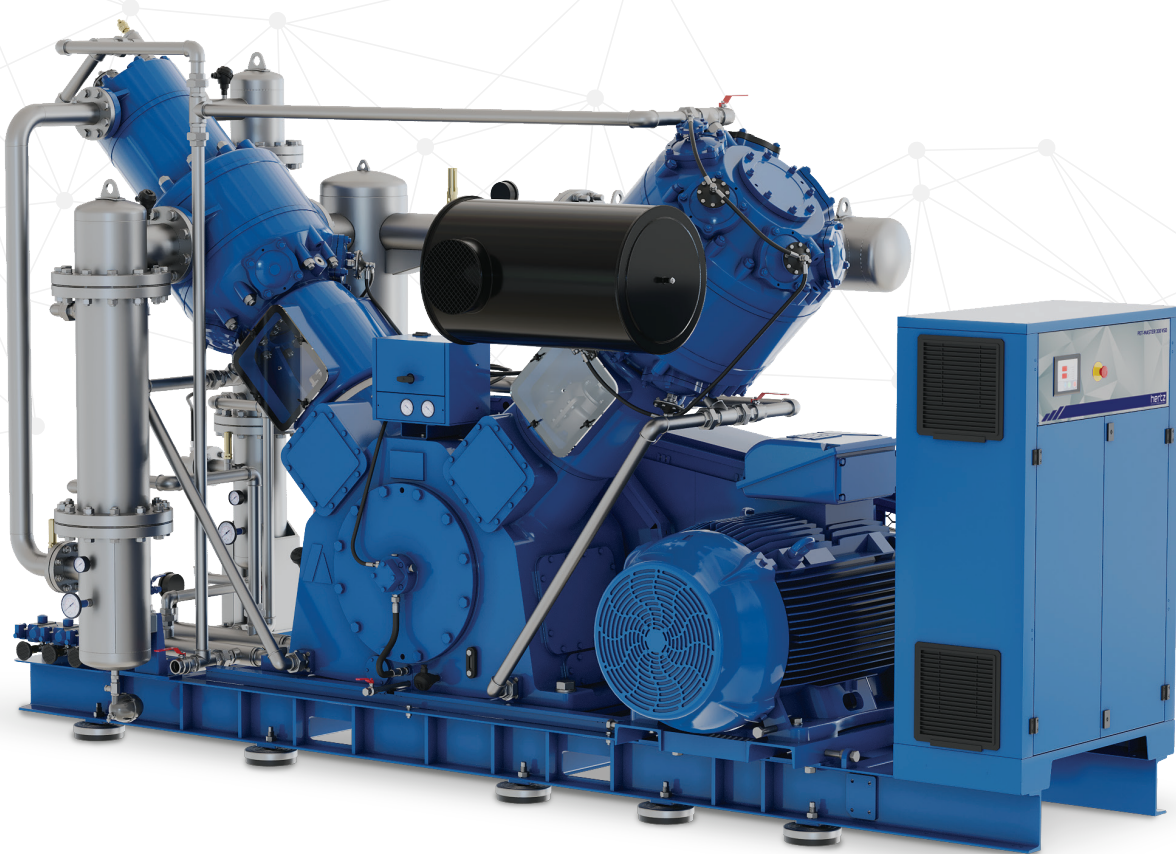
hertz
KOMPRESSOREN

PET MASTER

Reciprocating Air Compressor

37-220 kW





3,6-23
m³/min

37-220
kW

40
bar

PET MASTER **SERIES**

*Oil-Free, Water Cooled
Reciprocating Air Compressors*

We provide reliable and high-performance air solutions for the pet bottling and food and beverage industries requiring high compression.



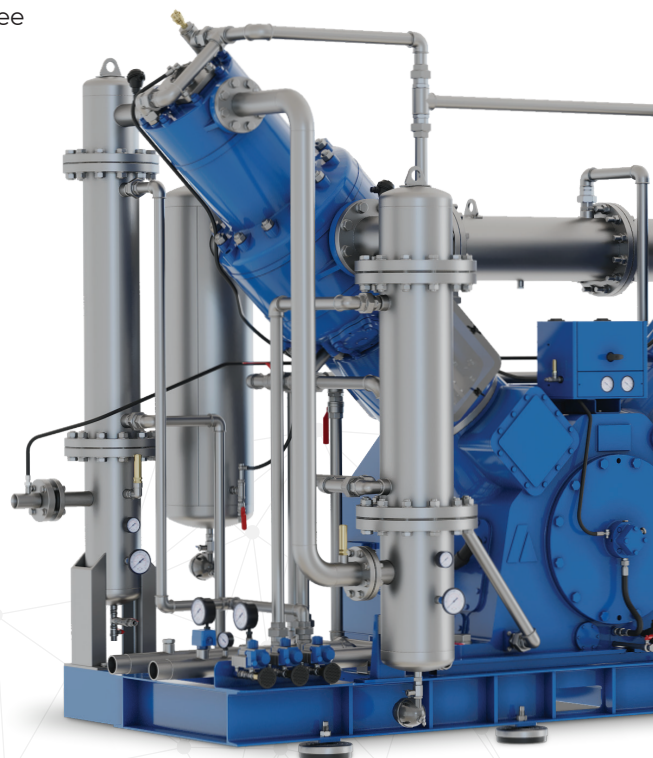
General Features

- Reciprocating compressor providing 100% oil-free and moisture-free industrial air
- Electric motor protection to prevent overload
- Water-cooled design for high energy efficiency and ability to work in severe conditions
- Variable speed and constant speed starting options
- Energy-saving Load/Unload System for efficient operation
- Integrated electrical system for user-friendly operation
- 20-40 bar operating range



Advantages

- Compact structure, easy to install and assemble.
- Takes up less room than other products in its class, providing maximum oil-free air capacity in minimum space.
- Wear due to friction is minimized. This positively affects maintenance times and costs.
- Stainless water separator increases corrosion resistance.
- Soft start prolongs component life.





Electric Motor

- IE3 efficiency-class electric motors
- Special loadless start system and automatic discharge system for loadless start



Compressor Block

- Water jacketed cast iron cylinders and bottom heads
- Specially designed high-speed stainless steel concentric valves
- High-strength cast iron oil sumps
- Dynamically balanced high-strength forged steel crankshaft and cast iron.
- Special aluminium alloy pistons and forged steel connecting rods



Cooling System

- The intercoolers and aftercoolers use stainless steel pipes for more efficient heat transfer and better corrosion resistance.
- The coolers are designed to pass air through the pipe and water through the body wall.
- The compact design of the pipe-type coolers ensures easy maintenance and very efficient cooling

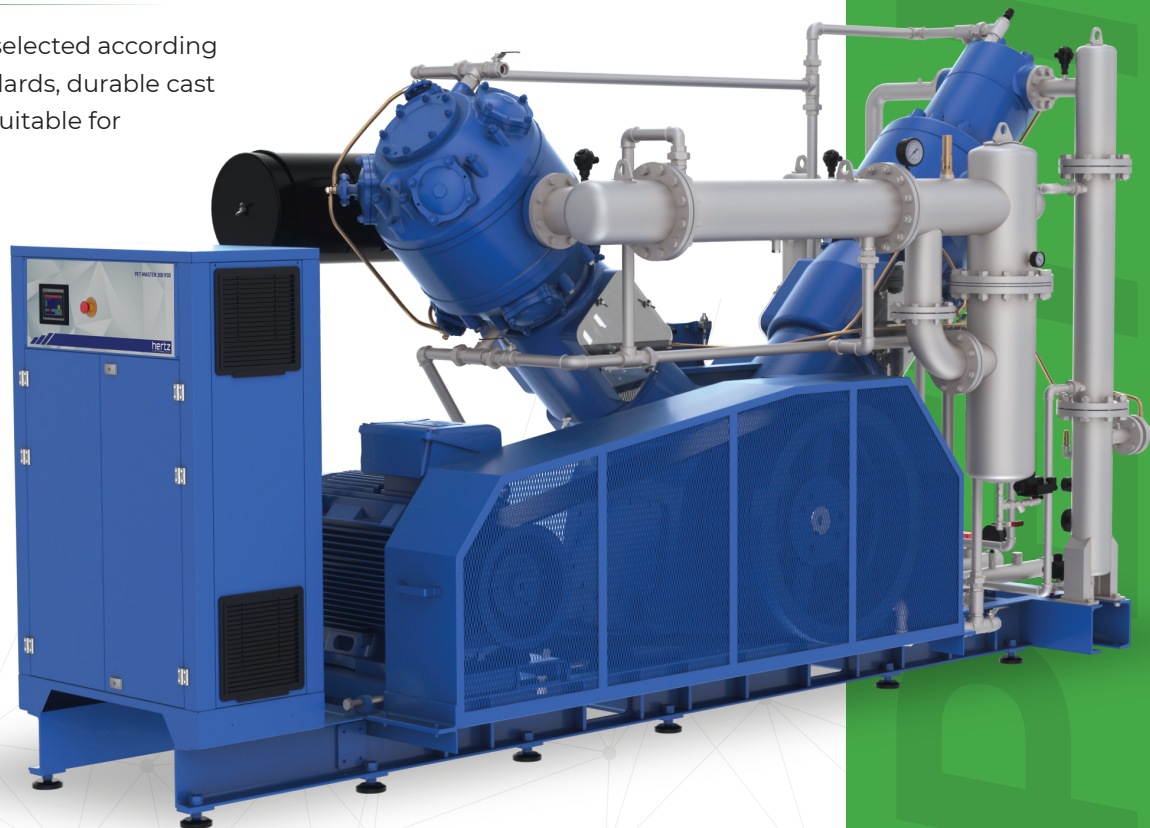


Certificates

- Electrical components selected according to IEC, UL/cUL, CE standards, durable cast bodies, safety systems suitable for pressure class.



**%100
YAĞSIZ**





Electronic Control

- Advanced, high-definition, user-friendly 7" colour touchscreen display (HMI)
- High speed, robustly built industrial type PLC infrastructure
- Encrypted Access Protection system with various levels of authorization
- Display of relevant data on the screen clearly, trend graph recording and active monitoring
- Alarm History records last 100 alarms
- Ethernet / ModBus communication as standard
- Flexible programmable / expandable Input / Output structure

Model	Pressure		Capacity*		Motor	Connection	Dimensions			Weight
	bar	psi	m ³ /min	cfm			Width (mm)	Length (mm)	Height (mm)	
PET Master 50	40	580	3,6	127	37/50	G 1 1/4"	3647	1669	2395	5500
PET Master 75	40	580	5,5	194	55/75	G 1 1/4"	3647	1669	2395	5500
PET Master 100	40	580	7,4	261	75/100	G 1 1/4"	3673	1744	2470	6500
PET Master 125	40	580	9,1	321	90/120	G 1 1/4"	3673	1744	2470	6500
PET Master 150	40	580	11,6	410	110/150	G 2"	4192	1977	2814	7500
PET Master 180	40	580	13,5	477	132/175	G 2"	4192	1977	2814	7500
PET Master 220	40	580	16,4	579	160/215	G 2"	4192	1977	2814	7800
PET Master 270	40	580	21,3	752	200/270	G 2"	4234	2203	2841	9200
PET Master 300	40	580	23	812	220/300	G 2"	4234	2203	2841	9200

Model	Pressure		Capacity*				Motor	Connection	Dimensions			Weight
	bar	psi	Minimum m ³ /min	Minimum cfm	Maximum m ³ /min	Maximum cfm			Width (mm)	Length (mm)	Height (mm)	
PET Master 75 VSD	40	580	4,1	145	5,5	194	55/75	G 1 1/4"	3647	1670	2395	5600
PET Master 125 VSD	40	580	6,8	240	9,1	321	90/120	G 1 1/4"	3383	2411	2407	6650
PET Master 180 VSD	40	580	10,1	357	13,5	477	132/175	G 2"	4192	1977	2814	7750
PET Master 220 VSD	40	580	12,3	434	16,4	579	160/215	G 2"	4192	1977	2814	8000
PET Master 300 VSD	40	580	17,3	611	23	812	220/300	G 2"	4234	2203	2841	9500

- 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 E standard.

hertz
KOMPRESSOREN

HS

Scroll Air Compressors

1,5-30 kW

**SCROLL
HS-30** | **Q**



0,16-3,40
m³/min

1,5-30
kW

8-10
bar



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.

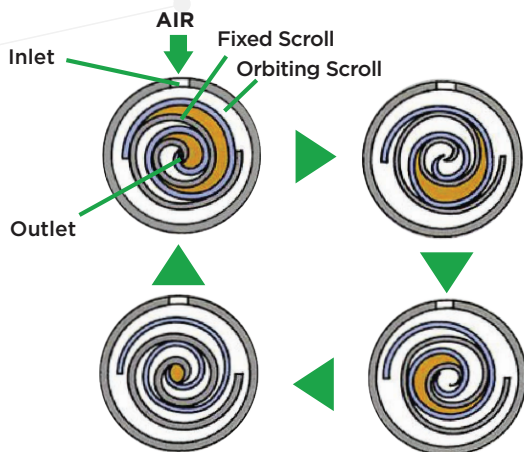




Scroll Type Compression Principle

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			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								
	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								
DOUBLE	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, 90% relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature.

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* Refers to free air delivery measured according to ISO 1217:2009, Annex C Standard.