hertz
KOMPRESSOREN

EAGLE

Oil-Free Rotary Screw Air Compressors

50-430 HP



131-1723 cfm

50-430 HP

100-125-145 psi



EAGLE SERIES

Oil-Free, Direct Coupled, Fixed/Variable Speed

Rotary Screw Compressors

We offer more sustainable, Class 0-certified, fully oil-free air solutions for the food, beverage, chemical and electronics industries.

General Features

- IE4 efficiency-class electric motors
- Soundproofed canopy
- Electrostatic coated canopy components for high corrosion resistance
- Electric motor protection to prevent overload
- Air-cooled and water-cooled options available
- Fixed and variable speed drive options
- Soft starter at fixed speed models
- Direct coupled drive system

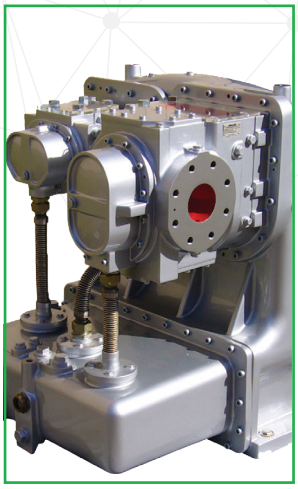
Advantages

- Produces less filter waste than oil-injected compressors, which reduces your maintenance costs down.
- It can be used safely in sensitive industries such as food and pharmaceutical for the highest hygiene.
- Highly durable performance suitable for working in the harshest operational conditions.
- Models with VSD technology save up to 35% energy and reduce your energy costs.
- Special venturi design prevents rapid pressure fluctuations and high-frequency vibrations.

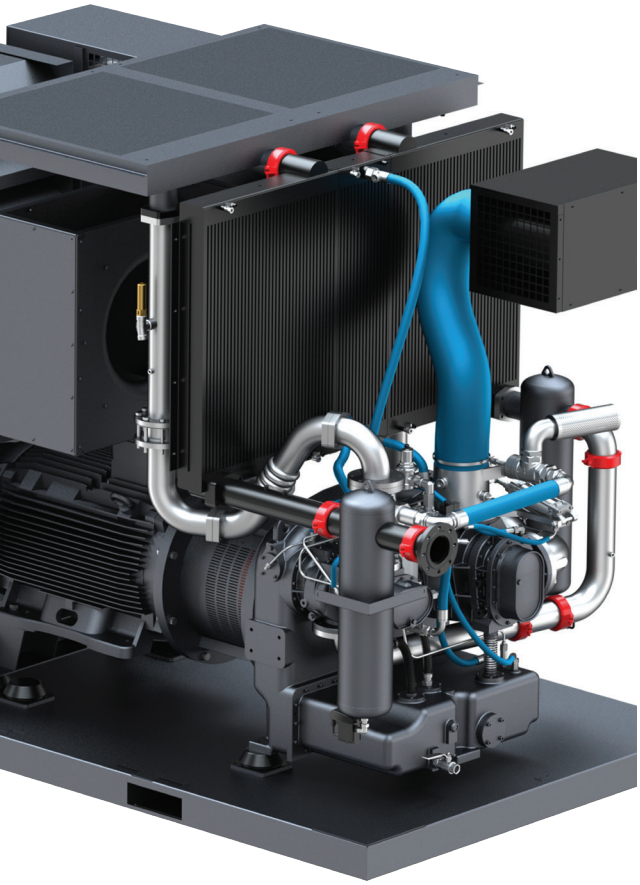
ISO 8573-1 CLASS 0 OIL-FREE

Screw Block

- Two-stage screw block
- Bearing system developed with the latest technology ensures long life and vibration-free operation
- High level sealing system ensures high performance even during long operation periods
- Synchronizing gears for contact-free power transmission between the rotors
- Specially coated rotors and rotor housing internal parts for minimum gap tolerance and high efficiency
- Stainless steel rotors to eliminate the risk of corrosion and locking, for a long service life
- Ultracoat coating for high temperature resistance







Cooling System

- Two-stage cooling with pre-cooler system made of stainless steel pipes and fins
- After-cooler with aluminium bar and plate system
- Easy to maintain and clean
- Washable panel filter
- Optimum in-cabinet air circulation to keep the motor and screw block cool

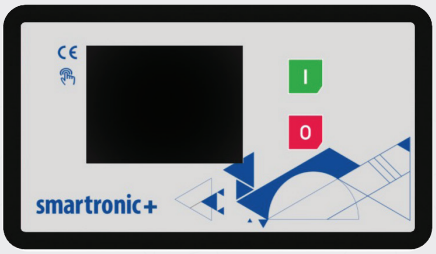
Intake Regulator

- Easy-to-maintain and reliable valves not affected by pollution and condensation
- Hydraulic intake regulators are more reliable and easier to maintain than pneumatic intake regulators

Water Separator

- Improved design for highly efficient water separation at the cooler outlet with minimum pressure loss
- Energy-efficient and zero-loss electronic drain system drains the water before the compressed air is sent to the dryer

Controller



- Without the need for an external main controller, ability to work synchronized for up to 5 compressors
- Weekly scheduler for starting / stopping the machine at 3 different time intervals can be individually set for each day of the week
- Dual PID feature on inverter-equipped models can run simultaneous PID for temperature and pressure
- Pressure PID on inverter-equipped models ensures energy-efficient operation by maintaining the pressure at the required level
- Temperature PID on inverter-equipped models controls the fan speed to maintain the screw block's most efficient operating temperature
- On inverter-equipped models, all inverter and compressor control data are managed from a single point
- Internal ModBus communication
- User-friendly on-screen interface
- Alarm log records the last 20 alarms
- Periodic maintenance warnings and log records

Certificates

- Our Eagle series compressors provide fully oil-free compressed air at the ISO 8573-1 (Class 0) standard and have been tested and approved by "TÜV Rheinland" Germany.
- Passed the performance tests in compliance with ISO 1217 Annex C and Annex E.

ISO 8573-1
Class-0

It is designed in accordance with sensitive and accurate production conditions.

It protects the environment and saves energy.

It is produced in accordance with all global standards and regulations.

It prevents damage to your products and the contamination of your production lines.

Therefore, it eliminates unnecessary machine downtime.

It guarantees the high quality compressed air you need.

PHARMACEUTICAL | HEALTH | ELECTRONICS | FOOD & BEVERAGES

60 Hz

Model	Pressure		Capacity *		Motor	Connection	Dimensions [Air Cooled / Water cooled] (in.)		
	psi	psi	cfm	m³/min	HP/ kW		Width	Length	Height
EAGLE 37	100	7	219	6,2	50/37	2" NPT	96	63	85
	125	8,5	184	5,2					
	145	10	166	4,7					
EAGLE 45	100	7	265	7,5	60/40	2" NPT	96	63	85
	125	8,5	230	6,5					
	145	10	208	5,9					
EAGLE 55	100	7	332	9,4	75/55	2" NPT	96	63	85
	125	8,5	304	8,6					
	145	10	265	7,5					
EAGLE 75	100	7	449	12,7	100/75	2" NPT	96	63	85
	125	8,5	413	11,7					
	145	10	378	10,7					
EAGLE 90	100	7	512	14,5	125/90	2" NPT	96	63	85
	125	8,5	512	14,5					
	145	10	449	12,7					
EAGLE 315	100	7	1717	48,6	430/315	ANSI 4"	145	84	127
	125	8,5	1713	48,5					
	145	10	1526	43,2					

60 Hz

Model	Pressure		Capacity *				Motor	Connection	Dimensions [Air Cooled / Water cooled] (in.)		
	psi	bar	Minimum cfm	Minimum m³/min	Maximum cfm	Maximum m³/min	HP/kW		Width	Length	Height
EAGLE 55 VSD	100	7	134	3,8	321	9,1	75/55	2" NPT	96	63	85
	125	8,5	131	3,7	293	8,3					
	145	10	131	3,7	265	7,5					
EAGLE 75 VSD	100	7	219	6,2	452	12,8	100/75	2" NPT	96	63	85
	125	8,5	219	6,2	420	11,9					
	145	10	219	6,2	389	11					
EAGLE 90 VSD	100	7	219	6,2	516	14,6	125/90	2" NPT	96	63	85
	125	8,5	219	6,2	501	14,2					
	145	10	219	6,2	466	13,2					
EAGLE 315 VSD	100	7	809	22,9	1723	48,8	430/315	ANSI 4"	145	84	127
	125	8,5	809	22,9	1646	46,6					
	145	10	809	22,9	1635	46,3					

- 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 C and E standard.

100% OIL-FREE COMPRESSED AIR

Class Oil free ISO 8573-1

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