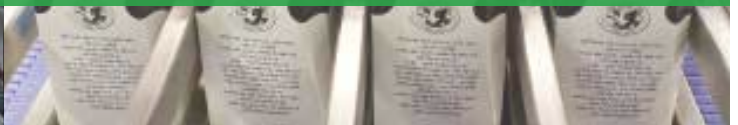




EAGLE SERIES

OIL FREE ROTARY SCREW COMPRESSORS



hertz
KOMPRESSOREN

GENERAL FEATURES



% 100 OIL FREE

HERTZ Eagle Series 2 Stage Dry Screw oil-free compressors maintain 100 % oil-free air for industries which require clean and oil-free compressed air.



TECHNOLOGY

Special coated rotors “No Teflon wear”, reliable airend design with timing gears, special bearings and seals. “No maintenance for diaphragm and balancing pistons”, Efficient special air cooling design, Simple and easy to maintenance machine lay-out, Latest technology PLC controllers with remote communication and start/stop capability.



PLC CONTROLLER

- Multi-operation function up to 5 compressors without requiring an external main controller
- Thanks to the automatic motor bearing lubrication system, the motor is never lubricated too much, too little or too late.
- Weekly scheduler with the ability to start and stop the machine at 3 different time periods, which can be set individually for each day of the week.
- Ability to do both pressure and temperature PID at the same time thanks to the Dual PID feature.
- With the pressure PID, it provides energy efficiency by keeping the pressure constant at the desired value.
- All inverter and compressor control data are managed from a single point in models with an inverter.
- Internal ModBus communication

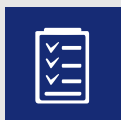


STANDARD FEATURES

- Sound insulated canopy
- Electrostatic powder coated components for high corrosion resistance
- Electric motor protection for preventing over loading
- F Class 50 Hz IE4 motors
- Two stage air-end
- Air or water cooled system alternatives
- Pre-cooling system for Air cooled machines, entirely stainless steel exchanger parts for water cooled machines.
- Variable speed drive or fixed speed drive alternatives

OTHER OPTIONS

- Automatic greasing system
- Heat Recovery System





EAGLE SERIES

Oil Free Rotary Screw Compressors



Completely oil-free compressed air according to ISO 8573-1 Class- ZERO. Compressors tested and approved by TUV Rheinland Germany.

- High performance compliant with ISO 1217, Annex C/E
- Direct-Drive driving system with efficient IE4 class electric motor and flexible coupling
- Proven reliability



- Easy to service, durable, powerful hydraulic actuated suction loader
- Water separator for both of stages
- Minimised level of maintenance and running costs by trouble free production cycle



AIR END

■ Totally oil free air

Very reliable and field proved sealing arrangement ensures separation oil free area from the oil needed for lubrication of gears and bearings

■ Robust design reliable in operation under the most difficult condition

Working in dusty, wet, cold and hot environment possible

■ Bearing arrangement guarantees long life without vibrations

The radial forces are compensated by cylindrical roller bearings, the axial forces are compensated by four-point bearings arranged on the discharge side.

■ Low vibration and noise level

Tight clearances between rotors themselves and between rotors and housing allow low rotation of the rotors and less power consumption

■ High engineered gear driven Design

The gear box is equipped with helical bullgear running in an anti-friction bearing. Rotors are dynamically balanced ensuring excellent running properties of the screw airends



■ Special coating for long term high efficiency

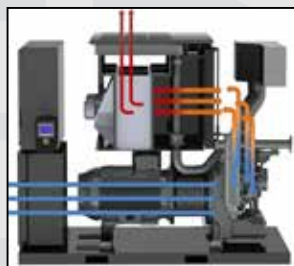
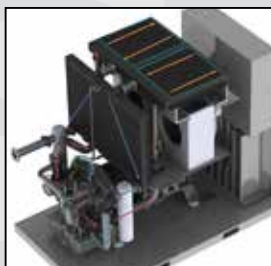
Excellent Coating of rotors and inner part of housing allows reduction of clearances to levels minimum and increases efficiency.

■ Stainless steel rotors in the HP-stage

Elimination damage through corrosion and rusting after longer shutdown times.

COOLING

- Two stage cooling system with pre-cooler
- Stainless steel fin & tube pre-cooler
- Aluminum bar & plate after cooler
- Efficient design concept
- Easy to maintenance & cleaning
- Mahable panel filter
- Lay out & air flow in the machine is perfect for air-end and motor cooling



TECHNICAL DATA

MODEL	PRESSURE		CAPACITY FAD		MOTOR POWER kW/HP	DIMENSIONS mm			WEIGHT kg
	Bar	PSI	m ³ /min	SCFM		Length	Width	Height	
EAGLE 90 B W	7	100	15,54	548,9	90/125	3085	1825	2200	3900
	8,5	125	13,20	466,2					
	10	145	13,00	459,2					
EAGLE 110 W	7	100	19,50	688,7	110/150	3085	1825	2200	4000
	8,5	125	17,70	625,2					
	10	145	15,5	547,5					
EAGLE 132 W	7	100	22,30	787,6	132/180	3085	1825	2200	4150
	8,5	125	20,90	738,2					
	10	145	19,40	685,2					
EAGLE 160 W	7	100	25,40	897,1	160/220	3085	1825	2200	4400
	8,5	125	25,40	897,1					
	10	145	24,00	847,7					
EAGLE 200 W	7	100	28,00	989,0	200/270	3085	1825	2200	4400
	8,5	125	28,00	989,0					
	10	145	28,00	989,0					
EAGLE 200 B W	7	100	36,50	1289,2	200/270	3465	2140	2450	6100
	8,5	125	34,00	1200,9					
	10	145	31,60	1116,1					
EAGLE 250 W	7	100	44,30	1564,7	250/340	3465	2140	2450	6350
	8,5	125	40,50	1430,5					
	10	145	36,40	1285,6					
EAGLE 315 W	7	100	50,10	1769,5	315/430	3465	2140	2450	6500
	8,5	125	48,70	1720,1					
	10	145	44,20	1561,1					

1. Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
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TECHNICAL DATA

MODEL	PRESSURE		CAPACITY FAD				MOTOR POWER kW/HP	DIMENSIONS mm			WEIGHT kg
			m ³ /min		SCFM			Length	Width	Height	
	Bar	PSI	min	max	min	max					
EAGLE 110 W VSD	7	100	10	19,7	353,2	695,8	110/150	3085	1825	2200	4350
	8,5	125	10	18,2	353,2	642,8					
	10	145	10	17	353,2	600,4					
EAGLE 132 W VSD	7	100	10,40	22,2	367,3	784,1	132/180	3085	1825	2200	4400
	8,5	125	10,30	21	363,8	741,7					
	10	145	10,30	19,6	363,8	692,3					
EAGLE 160 W VSD	7	100	10,00	26,9	353,2	950,1	160/220	3085	1825	2200	4200
	8,5	125	9,80	25,5	346,1	900,7					
	10	145	9,80	23,5	346,1	830,0					
EAGLE 200 W VSD	7	100	10,30	29,5	363,8	1041,9	200/270	3085	1825	2200	4850
	8,5	125	10,20	28,1	360,3	992,5					
	10	145	10,10	26,4	356,7	932,4					
EAGLE 200 B W VSD	7	100	18,20	35	642,8	1236,2	200/270	3465	2140	2450	6550
	8,5	125	18,00	31,4	635,8	1109,0					
	10	145	17,90	28,5	632,2	1006,6					
EAGLE 250 W VSD	7	100	17,30	44,5	611,0	1571,7	250/340	3465	2140	2450	6700
	8,5	125	17,20	41,2	607,5	1455,2					
	10	145	17,00	37,7	600,4	1331,6					
EAGLE 315 W VSD	7	100	17,50	48,8	618,1	1723,6	315/430	3465	2140	2450	6900
	8,5	125	17,40	46,6	614,6	1645,9					
	10	145	17,30	44,9	611,0	1585,9					

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	8,5	125	34,00	1200,9					
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EAGLE 250	7	100	44,30	1564,7	250/340	3685	2140	2715	6100
	8,5	125	40,50	1430,5					
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