

OF SERIES

Oil Free Screw
Air Compressors

45 - 450kW / 60 - 600hp

ELGi®

Always Better.



OF Series

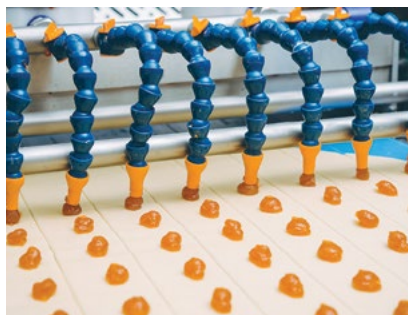
100% Class '0' Air | Reliable
Low Energy Consumption

Air Quality Matters

The quality of air is vital in sensitive industries like Food and Beverage, Textile, Pharmaceuticals, and Dairy. The implementation of environmental regulations to reduce the carbon footprint has made industries conscious of their impact on the environment while increasing quality and performance. In the past, companies had to deal with high costs and low efficiency.

With over 63+ years of experience, ELGi brings you a disruption in oil free compressed air technology. ELGi's oil free range offers reliable performance which is 100% oil free at a low operational cost.

Oil Free Air is Used Directly in the Entire
Manufacturing Process in these Industries.



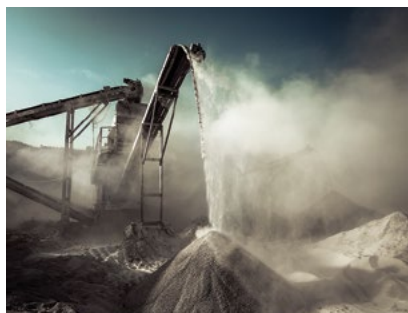
FOOD & BEVERAGE



TEXTILE



AUTOMOTIVE



CEMENT



METALS



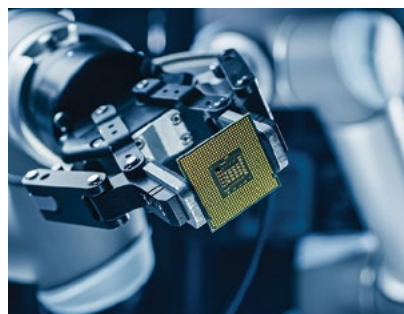
OIL & GAS



PHARMACEUTICALS



POWER



ELECTRONICS

Nearly 2 million litres (over 0.5 million gallons) of oil is released into the atmosphere every year.

As a result of global climate change and air quality concerns, we see an increase in collaborative international efforts to reduce the concentration of greenhouse gases and critical pollutants.



ELGi Oil Free Technology

ELGi is among the few air compressor manufacturers in the world that designs and builds oil free airends. The η -V rotor's slow running speeds reduce pressure losses and improve efficiency, resulting in a more effective compressed air system.

The component configuration of the OF Series machines has been optimised for easy serviceability and reduced service time. The compressors are light weight, compact and lower air outlet temperatures.



100% Class-0 Air



Customised Solutions



Reliable Products



Remote Monitoring System



Low Life Cycle Cost



Air Audit System



Customer Satisfaction



Innovative Systems



OILFREE™

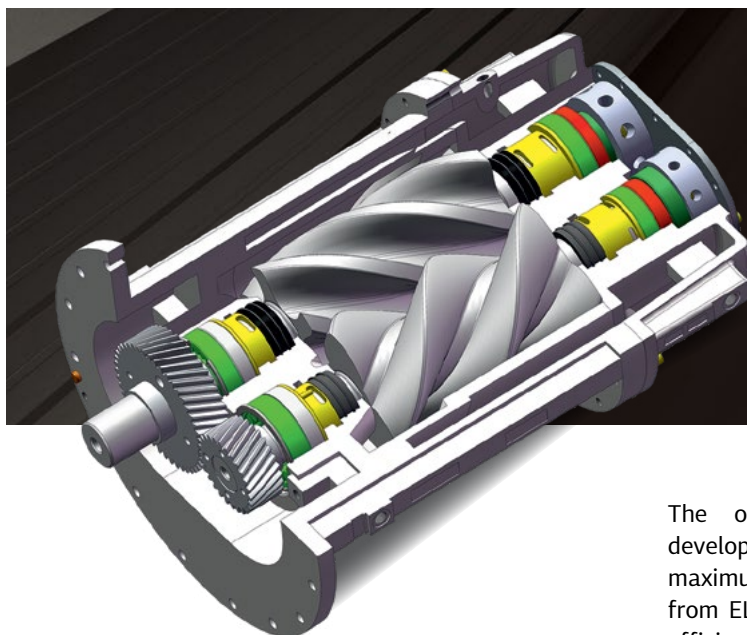
CLASS-0 ISO 8573-1

Consistent Class '0' Oil Free Air

The OF Series consistently produces oil free air that meets ISO 8573-1 class '0' air requirements. The metal surface of the rotor is coated with a food-grade coating to ensure clean, oil free air without any metal particles. Pipes have a special e-coating that ensures clean, oil free air all the time. The optimised rotor clearances provide consistent air delivery.



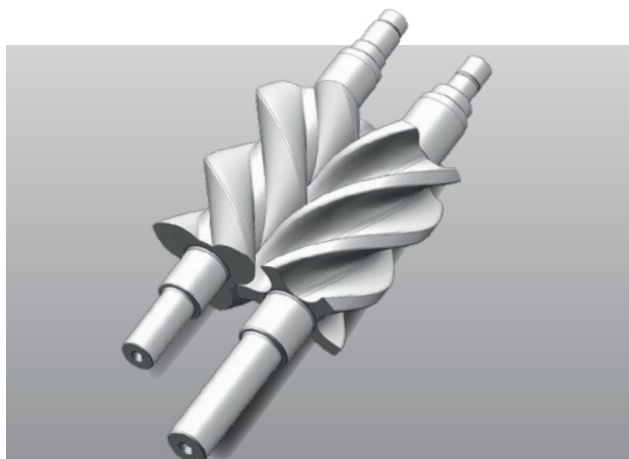
Made for industries where there is absolute intolerance of oil vapour present in the entire manufacturing process.



Proprietary Technology

The oil free air compressors are designed and developed using our in-house oil free technology to provide maximum uptime and reliability. The η -V rotor design from ELGi eliminates pressure losses and improves stage efficiency, resulting in a more efficient compressed air system. Slower rotor speeds mean less wear and tear, less vibration, and more stable long-term performance.

Every component in the ELGi OF Series, starting from design and manufacturing to quality testing, embody the philosophy of Uptime. The materials used ensure long life, reliability and ruggedness under wide ambient conditions to provide you with oil-free air for uninterrupted and seamless productivity.



Rotor

Rotor and housing are coated with a proprietary coating to resist corrosion and endure high temperatures up to 250°C. This results in optimum long-term performance with no loss in efficiency.



Coolers

Cupronickel coolers with a water-in-tube system for better heat transfer, least fouling factor in its kind with best thermal efficiency.



Bearings

- Run at low speeds and high temperatures.
- Optimized for oil free compressor speeds and temperatures considering the load and unload conditions.



Oil-Seal

- Non-contact type Visco seals made of Bronze.



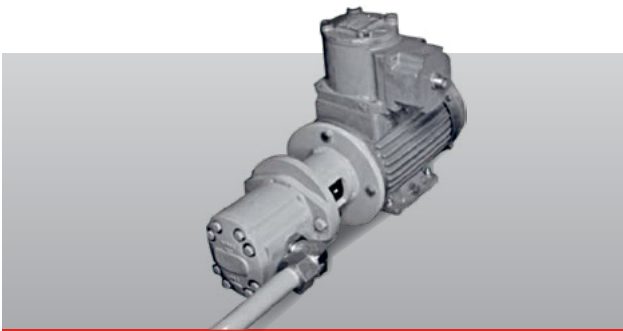
Casing

- Completely coated with proprietary coating (Food Grade).
- Water jackets are also coated with the same coating.



Air Seal

- Carbon impregnated SS Floating type seals.
- Axially locked by Belleville spring and radially locked by compressed air.



Oil Pump

- Separate motor-powered oil pump ensures lubrication before and during the start of machine (ensuring no dry running of gears and bearings).
- All oil tubing is made of stainless steel to increase reliability.



Timing Gears

- Helical gears, precision ground to DIM 4 quality and case hardened to minimize transmission losses and noise during operation.
- Dynamically balanced to reduce vibrations by optimizing the loads on bearings and increase bearing life.

Features & Benefits



Superior Warranty

ELGi's OF Series compressors come with a superior warranty as they are built to ensure long life, reliability, and durability because of the superior design, global manufacturing standards, quality tests, and components.



Low Maintenance Costs

The Rack and Pinion capacity control system can power more than one million cycles with no maintenance. By reducing the pressure band, the machine operates numerous cycles in a minute thereby saving energy and maintaining pressure discharge. This considerably lowers the cost of ownership.



Reliable Functioning

The use of rigid stainless-steel tubes improves compressor reliability and lowers maintenance costs. The compressor can work in temperatures from -5°C to 45°C.

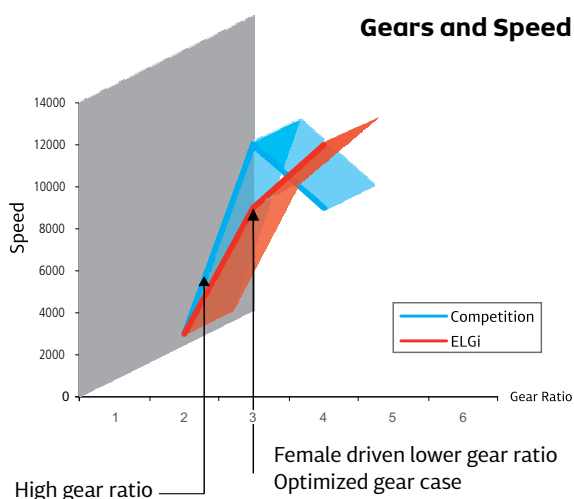


Low Cost of Ownership

The compact and energy efficient design reduces life cycle cost and lowers the cost of ownership. The use of low-pressure cooling-water heads reduces the amount of energy used by feed water pumps. The cooling water pump reduces power consumption. The optimised airend design provides best-in-class efficiency and a fast return on investment.

Neuron IV Controller

- Seamless Integration with Air ~ Alert
- 7" LCD touch display
- Future ready with open-platform-communication (OPC)
- Advanced communications (CAN, Ethernet)
- Over-the-air (OTA) firmware update
- Multiple compressor control (Automatic sequencing and cascading)
- Suitable for feature up-gradations
- Multilingual - can support up to 32 languages
- Reliable design

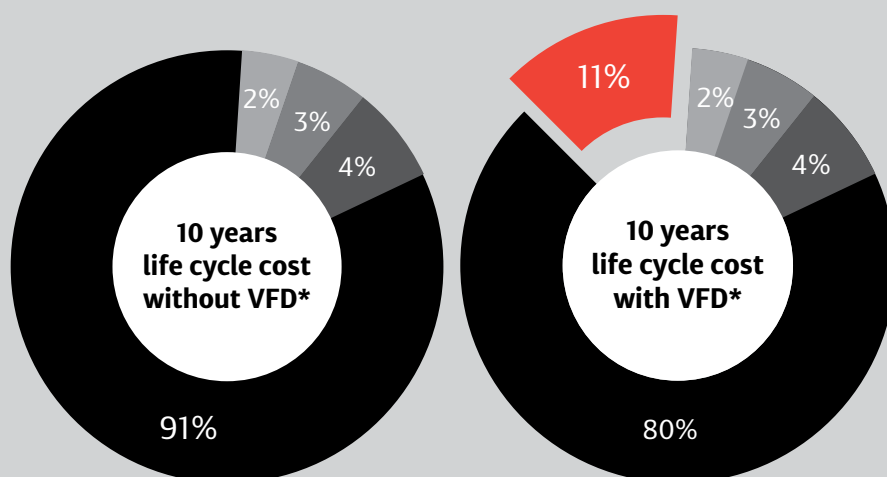
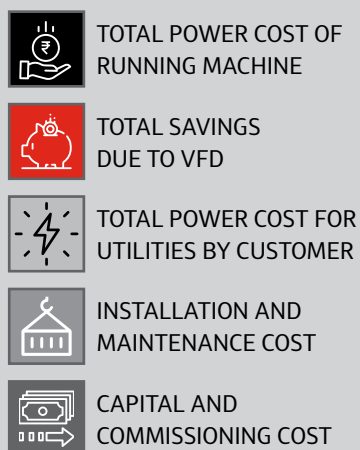


Reliability/ Working Conditions

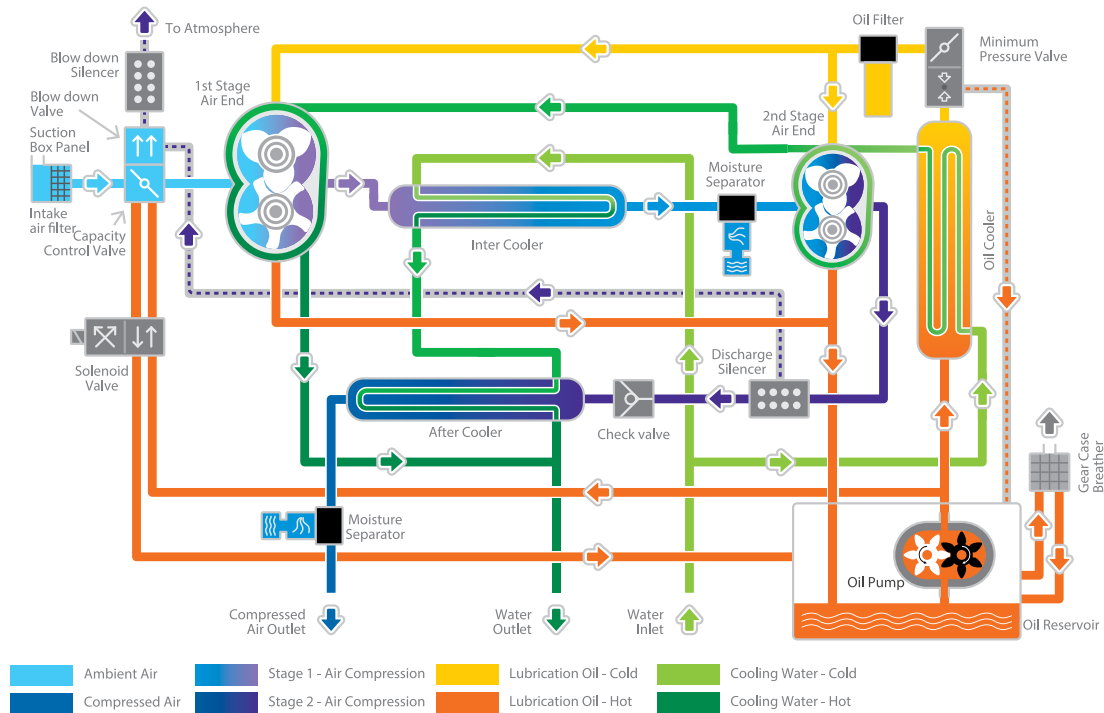
- Lower speed of airend gives **better reliability** due to lower gear ratio.
- Usage of rigid stainless-steel tubes **improves product reliability and reduces maintenance**.
- Load unload **pressure differential is 0.2 bar g**.
- Design ensures **reliable operation in the working temperature range of -5°C to 45°C**

Improved Cost Of Ownership

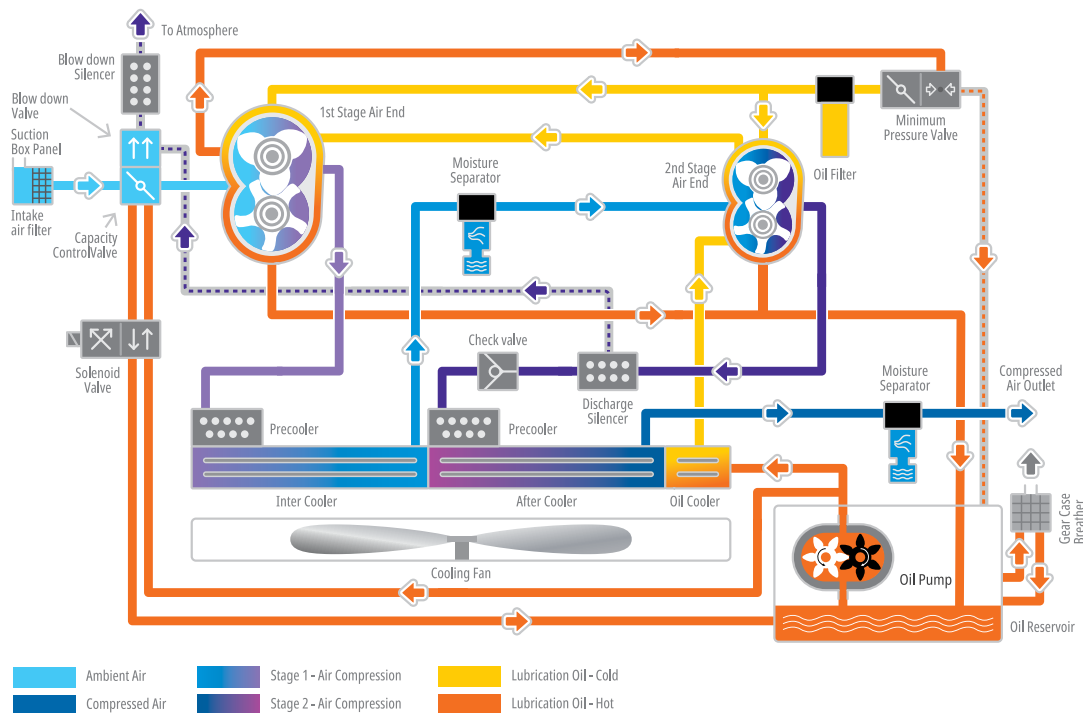
ELGi OF Series is designed to deliver quick returns on capital invested by reducing the operating cost.



Oil Free Two Stage Water Cooled



Oil Free Two Stage Air Cooled



Technical Specifications - OF Series

AIR COOLED FIXED SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 45	45	60	7.0	100.0	235	6.65	2600	78 ± 3	2200 x 1250 x 2000
	45	60	8.0	115.0	205	5.80	2600	78 ± 3	2200 x 1250 x 2000
	45	60	8.8	125.0	190	5.38	2600	78 ± 3	2200 x 1250 x 2000
OF 55	55	75	7.0	100.0	295	8.40	2600	78 ± 3	2200 x 1250 x 2000
	55	75	8.0	115.0	268	7.59	2600	78 ± 3	2200 x 1250 x 2000
	55	75	8.8	125.0	257	7.30	2600	78 ± 3	2200 x 1250 x 2000
	55	75	10.0	145.0	193	5.46	2600	78 ± 3	2200 x 1250 x 2000
OF 75	75	100	7.0	100.0	410	11.61	2600	78 ± 3	2200 x 1250 x 2000
	75	100	8.0	115.0	382	10.82	2600	78 ± 3	2200 x 1250 x 2000
	75	100	8.8	125.0	360	10.20	2600	78 ± 3	2200 x 1250 x 2000
	75	100	10.0	145.0	295	8.35	2600	78 ± 3	2200 x 1250 x 2000
OF 90	90	125	7.0	100.0	581	16.44	4800	79 ± 3	2950 x 1850 x 2270
	90	125	8.0	115.0	540	15.28	4800	79 ± 3	2950 x 1850 x 2270
	90	125	8.8	125.0	501	14.19	4800	79 ± 3	2950 x 1850 x 2270
	90	125	10.0	145.0	446	12.63	4800	79 ± 3	2950 x 1850 x 2270
OF 110	110	150	7.0	100.0	706	19.99	4800	79 ± 3	2950 x 1850 x 2270
	110	150	8.0	115.0	640	18.11	4800	79 ± 3	2950 x 1850 x 2270
	110	150	8.8	125.0	592	16.75	4800	79 ± 3	2950 x 1850 x 2270
	110	150	10.0	145.0	526	14.90	4800	79 ± 3	2950 x 1850 x 2270
OF 132	132	200	7.0	100.0	893	25.28	5750	79 ± 3	2950 x 1850 x 2270
	132	200	8.0	115.0	832	23.55	5750	79 ± 3	2950 x 1850 x 2270
	132	200	8.8	125.0	797	22.56	5750	79 ± 3	2950 x 1850 x 2270
	132	200	10.0	145.0	684	19.37	5750	79 ± 3	2950 x 1850 x 2270
OF 145	160	250	7.0	100.0	954	27.01	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.0	115.0	887	25.11	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.8	125.0	876	24.80	5750	79 ± 3	2950 x 1850 x 2270
	160	250	10.0	145.0	775	21.94	5750	79 ± 3	2950 x 1850 x 2270
OF 160	160	250	7.0	100.0	1076	30.46	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.0	115.0	1014	28.70	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.8	125.0	958	27.12	5750	79 ± 3	2950 x 1850 x 2270
	160	250	10.0	145.0	847	23.98	5750	79 ± 3	2950 x 1850 x 2270
OF 200	200	300	7.0	100.0	1307	37.00	7042	85 ± 3	5200 x 2000 x 2050
	200	300	8.0	115.0	1208	34.20	7042	85 ± 3	5200 x 2000 x 2050
	200	300	8.8	125.0	1198	33.92	7042	85 ± 3	5200 x 2000 x 2050

AIR COOLED FIXED SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 210	250	300	7.0	100.0	1428	40.40	7042	85 ± 3	5200 x 2000 x 2050
	250	300	8.0	115.0	1346	38.10	7042	85 ± 3	5200 x 2000 x 2050
	250	300	8.8	125.0	1297	36.70	7042	85 ± 3	5200 x 2000 x 2050
	250	300	10.0	145.0	1173	33.20	7042	85 ± 3	5200 x 2000 x 2050
OF 250	250	300	7.0	100.0	1481	41.90	7930	85 ± 3	5200 x 2000 x 2050
	250	300	8.0	115.0	1388	39.30	7930	85 ± 3	5200 x 2000 x 2050
	250	300	8.8	125.0	1340	37.92	7930	85 ± 3	5200 x 2000 x 2050
	250	300	10.0	145.0	1210	34.24	7930	85 ± 3	5200 x 2000 x 2050
OF 265	275	350	7.0	100.0	1597	45.20	7930	85 ± 3	5200 x 2000 x 2050
	275	350	8.0	115.0	1504	42.60	7930	85 ± 3	5200 x 2000 x 2050
	275	350	8.8	125.0	1405	39.80	7930	85 ± 3	5200 x 2000 x 2050
	275	350	10.0	145.0	1278	36.17	7930	85 ± 3	5200 x 2000 x 2050
OF 275	315	350	7.0	100.0	1645	46.60	7930	85 ± 3	5200 x 2000 x 2050
	315	350	8.0	115.0	1550	43.90	7930	85 ± 3	5200 x 2000 x 2050
	315	350	8.8	125.0	1495	42.30	7930	85 ± 3	5200 x 2000 x 2050
	315	350	10.0	145.0	1354	38.34	7930	85 ± 3	5200 x 2000 x 2050
OF 300	315	400	7.0	100.0	1741	49.30	7930	85 ± 3	5200 x 2000 x 2050
	315	400	8.0	115.0	1641	46.50	7930	85 ± 3	5200 x 2000 x 2050
	315	400	8.8	125.0	1588	45.00	7930	85 ± 3	5200 x 2000 x 2050
	315	400	10.0	145.0	1400	39.62	7930	85 ± 3	5200 x 2000 x 2050

Note:

- Free Air Delivery (FAD) is tested as per ISO 1217 : 2009 - Annex C
- FAD indicated is for the full package measured at the outlet
- Weight indicated is approximate and actual can vary significantly
- Due to continuous improvements, specifications are subject to change without prior notice
- Displayed here is the standard range. For customized packages with different voltages, medium and high voltage motor, pressure variants, please contact our nearest sales office
- All standard packages can be offered with built-in VFD. Please contact our nearest sales office for specifications and turndown details
- The ambient temperature operating conditions -5°C to 45°C
- Sound level measured as per ISO 2151, Second Edition at 1m distance in field conditions, +/-3dB(A)
- All motors can be supplied for various country standards like ABNT, NEMA and IEC however packages(dimension & weight) may vary

AIR COOLED VARIABLE SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 45	45	60	7.0	100.0	175-235	4.96-6.65	2600	78 ± 3	2200 x 1250 x 2000
	45	60	8.0	115.0	175-205	4.96-5.80	2600	78 ± 3	2200 x 1250 x 2000
	45	60	8.8	125.0	175-190	4.96-5.38	2600	78 ± 3	2200 x 1250 x 2000
OF 55	55	75	7.0	100.0	175-295	4.96-8.35	2600	78 ± 3	2200 x 1250 x 2000
	55	75	8.0	115.0	175-268	4.96-7.59	2600	78 ± 3	2200 x 1250 x 2000
	55	75	8.8	125.0	175-257	4.96-7.28	2600	78 ± 3	2200 x 1250 x 2000

Technical Specifications - OF Series

AIR COOLED VARIABLE SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 75	75	100	7.0	100.0	175-410	4.96-11.61	2600	78 ± 3	2200 x 1250 x 2000
	75	100	8.0	115.0	175-382	4.96-10.82	2600	78 ± 3	2200 x 1250 x 2000
	75	100	8.8	125.0	175-360	4.96-10.19	2600	78 ± 3	2200 x 1250 x 2000
	75	100	10.0	145.0	175-295	4.96-8.35	2600	78 ± 3	2200 x 1250 x 2000
OF 90	90	125	7.0	100.0	360-581	10.19-16.44	4800	79 ± 3	2950 x 1850 x 2270
	90	125	8.0	115.0	361-540	10.22-15.28	4800	79 ± 3	2950 x 1850 x 2270
	90	125	8.8	125.0	360-501	10.19-14.18	4800	79 ± 3	2950 x 1850 x 2270
	90	125	10.0	145.0	360-446	10.19-12.62	4800	79 ± 3	2950 x 1850 x 2270
OF 110	110	150	7.0	100.0	360-709	10.19-19.98	4800	79 ± 3	2950 x 1850 x 2270
	110	150	8.0	115.0	360-640	10.19-18.11	4800	79 ± 3	2950 x 1850 x 2270
	110	150	8.8	125.0	360-592	10.19-16.75	4800	79 ± 3	2950 x 1850 x 2270
	110	150	10.0	145.0	360-526	10.19-14.89	4800	79 ± 3	2950 x 1850 x 2270
OF 132	132	200	7.0	100.0	360-882	10.19-24.97	5750	79 ± 3	2950 x 1850 x 2270
	132	200	8.0	115.0	360-823	10.19-23.30	5750	79 ± 3	2950 x 1850 x 2270
	132	200	8.8	125.0	360-788	10.19-22.31	5750	79 ± 3	2950 x 1850 x 2270
	132	200	10.0	145.0	550-684	15.57-19.37	5750	79 ± 3	2950 x 1850 x 2270
OF 132P	132	200	7.0	100.0	550-893	15.57-25.28	5750	79 ± 3	2950 x 1850 x 2270
	132	200	8.0	115.0	550-832	15.57-23.55	5750	79 ± 3	2950 x 1850 x 2270
	132	200	8.8	125.0	550-795	15.57-22.51	5750	79 ± 3	2950 x 1850 x 2270
OF 145	160	250	7.0	100.0	550-954	15.57-27.01	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.0	115.0	550-887	15.57-25.11	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.8	125.0	550-876	15.57-24.80	5750	79 ± 3	2950 x 1850 x 2270
	160	250	10.0	145.0	554-775	15.69-21.94	5750	79 ± 3	2950 x 1850 x 2270
OF 160	160	250	7.0	100.0	550-1076	15.57-30.46	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.0	115.0	550-1014	15.57-28.70	5750	79 ± 3	2950 x 1850 x 2270
	160	250	8.8	125.0	560-958	15.86-27.12	5750	79 ± 3	2950 x 1850 x 2270
	160	250	10.0	145.0	550-847	15.57-23.98	5750	79 ± 3	2950 x 1850 x 2270
OF 200	200	300	7.0	100.0	932-1307	26.38-36.6	7930	80 ± 3	5200 x 2000 x 2050
	200	300	8.0	115.0	926-1208	26.21-33.8	7930	80 ± 3	5200 x 2000 x 2050
	200	300	8.8	125.0	949-1198	26.86-33.5	7930	80 ± 3	5200 x 2000 x 2050
OF 210	250	300	7.0	100.0	933-1428	26.40-40.0	7930	80 ± 3	5200 x 2000 x 2050
	250	300	8.0	115.0	931-1346	26.35-37.6	7930	80 ± 3	5200 x 2000 x 2050
	250	300	8.8	125.0	928-1297	26.26-36.3	7930	80 ± 3	5200 x 2000 x 2050
	250	300	10.0	145.0	928-1173	26.26-33.20	7930	80 ± 3	5200 x 2000 x 2050
OF 250	250	300	7.0	100.0	931-1481	26.35-41.4	7930	80 ± 3	5200 x 2000 x 2050
	250	300	8.0	115.0	931-1388	26.35-38.8	7930	80 ± 3	5200 x 2000 x 2050
	250	300	8.8	125.0	929-1337	26.29-37.4	7930	80 ± 3	5200 x 2000 x 2050
	250	300	10.0	145.0	928-1210	26.26-34.24	7930	80 ± 3	5200 x 2000 x 2050
OF 265	275	350	7.0	100.0	933-1597	26.40-44.7	7930	80 ± 3	5200 x 2000 x 2050
	275	350	8.0	115.0	929-1504	26.29-42.1	7930	80 ± 3	5200 x 2000 x 2050
	275	350	8.8	125.0	929-1405	26.29-39.3	7930	80 ± 3	5200 x 2000 x 2050
	275	350	10.0	145.0	927-1278	26.23-36.17	7930	80 ± 3	5200 x 2000 x 2050

AIR COOLED VARIABLE SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 275	275	350	7.0	100.0	929-1645	26.29-46.6	7930	80 ± 3	5200 x 2000 x 2050
	275	350	8.0	115.0	928-1550	26.26-43.4	7930	80 ± 3	5200 x 2000 x 2050
	275	350	8.8	125.0	925-1495	26.18-41.8	7930	80 ± 3	5200 x 2000 x 2050
	275	350	10.0	145.0	922-1345	26.09-38.06	7930	80 ± 3	5200 x 2000 x 2050
OF 300	300	400	7.0	100.0	930-1741	26.32-48.7	7930	80 ± 3	5200 x 2000 x 2050
	300	400	8.0	115.0	927-1641	26.23-46.0	7930	80 ± 3	5200 x 2000 x 2050
	300	400	8.8	125.0	922-1588	26.09-44.4	7930	80 ± 3	5200 x 2000 x 2050
	300	400	10.0	145.0	921-1400	26.06-39.62	7930	80 ± 3	5200 x 2000 x 2050

WATER COOLED FIXED SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 90	90	125	7.0	100.0	612	17.33	3970	75 ± 3	2750 X 1650 X 1850
	90	125	8.0	115.0	541	15.32	3970	75 ± 3	2750 X 1650 X 1850
	90	125	8.8	125.0	520	14.72	3970	75 ± 3	2750 X 1650 X 1850
	90	125	10.0	145.0	440	12.46	3970	75 ± 3	2750 X 1650 X 1850
OF 110	110	150	7.0	100.0	745	21.09	4471	75 ± 3	3050 X 1650 X 1850
	110	150	8.0	115.0	698	19.76	4471	75 ± 3	3050 X 1650 X 1850
	110	150	8.8	125.0	655	18.54	4471	75 ± 3	3050 X 1650 X 1850
	110	150	10.0	145.0	535	15.15	4471	75 ± 3	2750 X 1650 X 1850
OF 132	132	200	7.0	100.0	920	26.05	4528	76 ± 3	3050 X 1650 X 1850
	132	200	8.0	115.0	850	24.07	4528	76 ± 3	3050 X 1650 X 1850
	132	200	8.8	125.0	790	22.37	4528	76 ± 3	3050 X 1650 X 1850
	132	200	10.0	145.0	700	19.82	4528	76 ± 3	3050 X 1650 X 1850
OF 145	160	250	7.0	100.0	986	27.92	4670	76 ± 3	3050 X 1650 X 1850
	160	250	8.0	115.0	908	25.71	4670	76 ± 3	3050 X 1650 X 1850
	160	250	8.8	125.0	897	25.40	4670	76 ± 3	3050 X 1650 X 1850
	160	250	10.0	145.0	720	20.39	4670	76 ± 3	3050 X 1650 X 1850
OF 160	160	250	7.0	100.0	1105	31.29	4670	76 ± 3	3050 X 1650 X 1850
	160	250	8.0	115.0	1018	28.83	4670	76 ± 3	3050 X 1650 X 1850
	160	250	8.8	125.0	956	27.07	4670	76 ± 3	3050 X 1650 X 1850
	160	250	10.0	145.0	840	23.79	4670	76 ± 3	3050 X 1650 X 1850
OF 200	200	300	7.0	100.0	1363	38.59	6350	80 ± 3	3500 x 1850 x 2050
	200	300	8.0	115.0	1253	35.47	6350	80 ± 3	3500 x 1850 x 2050
	200	300	8.8	125.0	1233	34.91	6350	80 ± 3	3500 x 1850 x 2050

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Technical Specifications - OF Series

WATER COOLED FIXED SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 210	250	300	7.0	100.0	1469	41.59	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.0	115.0	1383	39.15	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.8	125.0	1328	37.60	6350	80 ± 3	3500 x 1850 x 2050
	250	300	10.0	145.0	1203	34.06	6350	80 ± 3	3500 x 1850 x 2050
OF 250	250	300	7.0	100.0	1521	43.06	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.0	115.0	1423	40.29	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.8	125.0	1368	38.73	6350	80 ± 3	3500 x 1850 x 2050
	250	300	10.0	145.0	1248	35.33	6350	80 ± 3	3500 x 1850 x 2050
OF 265	275	350	7.0	100.0	1663	47.08	6350	80 ± 3	3500 x 1850 x 2050
	275	350	8.0	115.0	1563	44.25	6350	80 ± 3	3500 x 1850 x 2050
	275	350	8.8	125.0	1458	41.28	6350	80 ± 3	3500 x 1850 x 2050
	275	350	10.0	145.0	1298	36.75	6350	80 ± 3	3500 x 1850 x 2050
OF 275	315	350	7.0	100.0	1715	48.55	6350	80 ± 3	3500 x 1850 x 2050
	315	350	8.0	115.0	1613	45.66	6350	80 ± 3	3500 x 1850 x 2050
	315	350	8.8	125.0	1558	44.11	6350	80 ± 3	3500 x 1850 x 2050
	315	350	10.0	145.0	1348	38.16	6350	80 ± 3	3500 x 1850 x 2050
OF 300	315	400	7.0	100.0	1839	52.06	6350	80 ± 3	3500 x 1850 x 2050
	315	400	8.0	115.0	1708	48.35	6350	80 ± 3	3500 x 1850 x 2050
	315	400	8.8	125.0	1653	46.80	6350	80 ± 3	3500 x 1850 x 2050
	315	400	10.0	145.0	1443	40.85	6350	80 ± 3	3500 x 1850 x 2050
OF 355	355	480	7.0	100.0	2003	56.70	9500	85 ± 3	4200 x 2100 x 2550
	355	480	8.0	115.0	1988	56.28	9500	85 ± 3	4200 x 2100 x 2550
	355	480	8.8	125.0	1988	56.28	9500	85 ± 3	4200 x 2100 x 2550
	355	480	10.0	145.0	1771	50.14	9500	85 ± 3	4200 x 2100 x 2550
OF 400	400	550	7.0	100.0	2263	64.07	9500	85 ± 3	4200 x 2100 x 2550
	400	550	8.0	115.0	2263	64.07	9500	85 ± 3	4200 x 2100 x 2550
	400	550	8.8	125.0	2263	64.07	9500	85 ± 3	4200 x 2100 x 2550
	400	550	10.0	145.0	2018	57.13	9500	85 ± 3	4200 x 2100 x 2550
OF 450	450	610	7.0	100.0	2518	71.28	9500	85 ± 3	4200 x 2100 x 2550
	450	610	8.0	115.0	2513	71.14	9500	85 ± 3	4200 x 2100 x 2550
	450	610	8.8	125.0	2513	71.14	9500	85 ± 3	4200 x 2100 x 2550
	450	610	10.0	145.0	2225	63.00	9500	85 ± 3	4200 x 2100 x 2550

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WATER COOLED VARIABLE SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 90	90	125	7.0	100.0	350~612	9.91~17.33	4151	75 ± 3	2750 X 1650 X 1850
	90	125	8.0	115.0	350~541	9.91~15.32	4151	75 ± 3	2750 X 1650 X 1850
	90	125	8.8	125.0	350~520	9.91~14.72	4151	75 ± 3	2750 X 1650 X 1850
	90	125	10.0	145.0	365~440	10.34~12.46	4151	75 ± 3	2750 X 1650 X 1850
OF 110	110	150	7.0	100.0	350~678	9.91~19.20	4207	75 ± 3	2750 X 1650 X 1850
	110	150	8.0	115.0	350~675	9.91~19.11	4207	75 ± 3	2750 X 1650 X 1850
	110	150	8.8	125.0	350~568	9.91~16.08	4207	75 ± 3	2750 X 1650 X 1850
	110	150	10.0	145.0	365~535	10.34~15.15	4207	75 ± 3	2750 X 1650 X 1850
OF 132	132	200	7.0	100.0	350~863	9.91~24.44	4425	76 ± 3	3050 X 1650 X 1850
	132	200	8.0	115.0	350~803	9.91~22.74	4425	76 ± 3	3050 X 1650 X 1850
	132	200	8.8	125.0	350~753	9.91~21.32	4425	76 ± 3	3050 X 1650 X 1850
	132	200	10.0	145.0	601~700	17.02~19.82	4725	76 ± 3	3050 X 1650 X 1850
OF 132P	132	200	7.0	100.0	580~920	16.42~26.05	4528	76 ± 3	3050 X 1650 X 1850
	132	200	8.0	115.0	580~850	16.42~24.07	4528	76 ± 3	3050 X 1650 X 1850
	132	200	8.8	125.0	580~790	16.42~22.37	4528	76 ± 3	3050 X 1650 X 1850
OF 145	160	250	7.0	100.0	580~986	16.42~27.92	4866	76 ± 3	3050 X 1650 X 1850
	160	250	8.0	115.0	580~908	16.42~25.71	4866	76 ± 3	3050 X 1650 X 1850
	160	250	8.8	125.0	580~897	16.42~25.40	4866	76 ± 3	3050 X 1650 X 1850
	160	250	10.0	145.0	599~720	16.96~20.39	4866	76 ± 3	3050 X 1650 X 1850
OF 160	160	250	7.0	100.0	580~1105	16.42~31.29	4866	76 ± 3	3050 X 1650 X 1850
	160	250	8.0	115.0	580~1018	16.42~28.83	4866	76 ± 3	3050 X 1650 X 1850
	160	250	8.8	125.0	580~956	16.42~27.07	4866	76 ± 3	3050 X 1650 X 1850
	160	250	10.0	145.0	599~840	16.96~23.78	4866	76 ± 3	3050 X 1650 X 1850
OF 200	200	300	7.0	100.0	939~1363	26.57~38.6	6350	80 ± 3	3500 x 1850 x 2050
	200	300	8.0	115.0	959~1253	27.14~35.4	6350	80 ± 3	3500 x 1850 x 2050
	200	300	8.8	125.0	948~1233	26.83~35.0	6350	80 ± 3	3500 x 1850 x 2050
	200	300	10.0	145.0	940~1163	26.60~32.91	6350	80 ± 3	3500 x 1850 x 2050
OF 210	250	300	7.0	100.0	924~1469	26.15~41.6	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.0	115.0	933~1383	26.40~39.1	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.8	125.0	943~1328	26.69~37.6	6350	80 ± 3	3500 x 1850 x 2050
	250	300	10.0	145.0	943~1203	26.69~34.04	6350	80 ± 3	3500 x 1850 x 2050
OF 250	250	300	7.0	100.0	928~1521	26.26~43.0	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.0	115.0	938~1423	26.55~40.3	6350	80 ± 3	3500 x 1850 x 2050
	250	300	8.8	125.0	943~1368	26.69~38.7	6350	80 ± 3	3500 x 1850 x 2050
	250	300	10.0	145.0	938~1248	26.55~35.32	6350	80 ± 3	3500 x 1850 x 2050

Technical Specifications - OF Series

WATER COOLED VARIABLE SPEED (50Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
50 Hz	kW	hp	bar	psi	cfm	m ³ /min	kg	db(A)	mm
OF 265	275	350	7.0	100.0	903-1663	25.55-47.0	6350	80 ± 3	3500 x 1850 x 2050
	275	350	8.0	115.0	935-1563	26.46-44.2	6350	80 ± 3	3500 x 1850 x 2050
	275	350	8.8	125.0	932-1458	26.38-41.2	6350	80 ± 3	3500 x 1850 x 2050
	275	350	10.0	145.0	935-1298	26.46-36.73	6350	80 ± 3	3500 x 1850 x 2050
OF 275	315	350	7.0	100.0	932-1715	26.38-48.5	6350	80 ± 3	3500 x 1850 x 2050
	315	350	8.0	115.0	935-1613	26.46-45.6	6350	80 ± 3	3500 x 1850 x 2050
	315	350	8.8	125.0	927-1558	26.23-44.1	6350	80 ± 3	3500 x 1850 x 2050
	315	350	10.0	145.0	935-1348	26.46-38.15	6350	80 ± 3	3500 x 1850 x 2050
OF 300	315	400	7.0	100.0	933-1839	26.40-52.0	6350	80 ± 3	3500 x 1850 x 2050
	315	400	8.0	115.0	929-1708	26.29-48.3	6350	80 ± 3	3500 x 1850 x 2050
	315	400	8.8	125.0	922-1653	26.09-46.8	6350	80 ± 3	3500 x 1850 x 2050
	315	400	10.0	145.0	934-1450	26.43-41.04	6350	80 ± 3	3500 x 1850 x 2050
OF 400	400	550	7.0	100.0	1371-2263	38.3-64.0	9500	85 ± 3	4200 x 2100 x 2550
	400	550	8.0	115.0	1768-2263	50.0-64.0	9500	85 ± 3	4200 x 2100 x 2550
	400	550	8.8	125.0	1766-2263	50.0-64.0	9500	85 ± 3	4200 x 2100 x 2550
	400	550	10.0	145.0	1598-2018	45.2-57.1	9500	85 ± 3	4200 x 2100 x 2550
OF 450	450	610	7.0	100.0	1375-2518	38.5-71.3	9500	85 ± 3	4200 x 2100 x 2550
	450	610	8.0	115.0	1781-2513	50.4-71.1	9500	85 ± 3	4200 x 2100 x 2550
	450	610	8.8	125.0	1781-2513	50.4-71.1	9500	85 ± 3	4200 x 2100 x 2550
	450	610	10.0	145.0	1579-2225	44.7-63.0	9500	85 ± 3	4200 x 2100 x 2550

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AIR COOLED FIXED SPEED (60Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
60 Hz	kW	hp	bar	psi	cfm	m ³ /min	lbs	db(A)	Inch
OF 45	45	60	7.0	100.0	235	6.65	5732	78 ± 3	86.6 x 49.2 x 78.7
	45	60	8.6	125.0	190	5.38	5732	78 ± 3	86.6 x 49.2 x 78.7
OF 55	55	75	7.0	100.0	295	8.35	5732	78 ± 3	86.6 x 49.2 x 78.7
	55	75	8.0	115.0	268	7.59	5732	78 ± 3	86.6 x 49.2 x 78.7
	55	75	8.6	125.0	257	7.28	5732	78 ± 3	86.6 x 49.2 x 78.7
	55	75	10.0	145.0	193	5.46	5732	78 ± 3	86.6 x 49.2 x 78.7
OF 75	75	100	7.0	100.0	425	12.03	5732	78 ± 3	86.6 x 49.2 x 78.7
	75	100	8.0	115.0	387	10.96	5732	78 ± 3	86.6 x 49.2 x 78.7
	75	100	8.6	125.0	360	10.19	5732	78 ± 3	86.6 x 49.2 x 78.7
	75	100	10.0	145.0	295	8.35	5732	78 ± 3	86.6 x 49.2 x 78.7
OF 90	90	125	7.0	100.0	568	16.08	10580	79 ± 3	116.1 x 72.8 x 90.0
	90	125	8.0	115.0	529	14.98	10580	79 ± 3	116.1 x 72.8 x 90.0
	90	125	8.6	125.0	502	14.22	10580	79 ± 3	116.1 x 72.8 x 90.0
	90	125	10.0	145.0	453	12.83	10580	79 ± 3	116.1 x 72.8 x 90.0
OF 110	110	150	7.0	100.0	693	19.62	10580	79 ± 3	116.1 x 72.8 x 90.0
	110	150	8.0	115.0	653	18.49	10580	79 ± 3	116.1 x 72.8 x 90.0
	110	150	8.6	125.0	586	16.59	10580	79 ± 3	116.1 x 72.8 x 90.0
	110	150	10.0	145.0	527	14.92	10580	79 ± 3	116.1 x 72.8 x 90.0
OF 132	132	200	7.0	100.0	873	24.72	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	8.0	115.0	835	23.64	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	8.6	125.0	815	23.08	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	10.0	145.0	672	19.03	12676	79 ± 3	116.1 x 72.8 x 90.0
OF 145	160	250	7.0	100.0	940	26.62	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.0	115.0	873	24.72	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.6	125.0	855	24.21	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	10.0	145.0	714	20.22	12676	79 ± 3	116.1 x 72.8 x 90.0
OF 160	160	250	7.0	100.0	1117	31.63	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.0	115.0	1010	28.60	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.6	125.0	1026	29.05	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	10.0	145.0	867	24.55	12676	79 ± 3	116.1 x 72.8 x 90.0

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Technical Specifications - OF Series

AIR COOLED VARIABLE SPEED (60Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
60 Hz	kW	hp	bar	psi	cfm	m ³ /min	lbs	db(A)	Inch
OF 55	55	75	7.0	100.0	175-295	4.96-8.35	5732	78 ± 3	86.6 x 49.2 x 78.7
	55	75	8.0	115.0	175-268	4.96-7.59	5732	78 ± 3	86.6 x 49.2 x 78.7
	55	75	8.6	125.0	175-257	4.96-7.28	5732	78 ± 3	86.6 x 49.2 x 78.7
OF 75	75	100	7.0	100.0	175-425	4.96-12.03	5732	78 ± 3	86.6 x 49.2 x 78.7
	75	100	8.0	115.0	175-387	4.96-10.96	5732	78 ± 3	86.6 x 49.2 x 78.7
	75	100	8.6	125.0	175-360	4.96-10.19	5732	78 ± 3	86.6 x 49.2 x 78.7
	75	100	10.0	145.0	175-295	4.96-8.35	5732	78 ± 3	86.6 x 49.2 x 78.7
OF 90	90	125	7.0	100.0	360-568	10.19-16.08	10580	79 ± 3	116.1 x 72.8 x 90.0
	90	125	8.0	115.0	361-529	10.22-14.98	10580	79 ± 3	116.1 x 72.8 x 90.0
	90	125	8.6	125.0	360-502	10.19-14.22	10580	79 ± 3	116.1 x 72.8 x 90.0
	90	125	10.0	145.0	360-453	10.19-12.83	10580	79 ± 3	116.1 x 72.8 x 90.0
OF 110	110	150	7.0	100.0	360-693	10.19-19.62	10580	79 ± 3	116.1 x 72.8 x 90.0
	110	150	8.0	115.0	360-653	10.19-18.49	10580	79 ± 3	116.1 x 72.8 x 90.0
	110	150	8.6	125.0	360-586	10.19-16.59	10580	79 ± 3	116.1 x 72.8 x 90.0
	110	150	10.0	145.0	360-527	10.19-14.92	10580	79 ± 3	116.1 x 72.8 x 90.0
OF 132	132	200	7.0	100.0	360-867	10.19-24.55	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	8.0	115.0	360-797	10.19-22.57	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	8.6	125.0	360-765	10.19-21.66	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	10.0	145.0	550-672	15.57-19.03	12676	79 ± 3	116.1 x 72.8 x 90.0
OF 132P	132	200	7.0	100.0	550-873	15.57-24.72	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	8.0	115.0	550-835	15.57-23.64	12676	79 ± 3	116.1 x 72.8 x 90.0
	132	200	8.6	125.0	550-815	15.57-23.08	12676	79 ± 3	116.1 x 72.8 x 90.0
OF 145	160	250	7.0	100.0	550-940	15.57-26.62	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.0	115.0	550-873	15.57-24.72	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.6	125.0	550-855	15.57-24.21	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	10.0	145.0	550-714	15.57-20.22	12676	79 ± 3	116.1 x 72.8 x 90.0
OF 160	160	250	7.0	100.0	550-1117	15.57-31.63	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.0	115.0	550-1010	15.57-28.60	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	8.6	125.0	550-1026	15.57-29.05	12676	79 ± 3	116.1 x 72.8 x 90.0
	160	250	10.0	145.0	550-867	15.57-24.55	12676	79 ± 3	116.1 x 72.8 x 90.0

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WATER COOLED FIXED SPEED (60Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
60 Hz	kW	hp	bar	psi	cfm	m ³ /min	lbs	db(A)	Inch
OF 90	90	125	7.0	100.0	590	16.71	8880	75 ± 3	108 X 65 X 73
	90	125	8.0	115.0	533	15.09	8880	75 ± 3	108 X 65 X 73
	90	125	8.6	125.0	525	14.87	8880	75 ± 3	108 X 65 X 73
	90	125	10.0	145.0	452	12.80	8880	75 ± 3	108 X 65 X 73
OF 110	110	150	7.0	100.0	737	20.87	9896	75 ± 3	120 X 65 X 73
	110	150	8.0	115.0	700	19.82	9896	75 ± 3	120 X 65 X 73
	110	150	8.6	125.0	650	18.40	9896	75 ± 3	120 X 65 X 73
	110	150	10.0	145.0	546	15.46	8946	75 ± 3	108 X 65 X 73
OF 132	132	200	7.0	100.0	865	24.49	10901	76 ± 3	120 X 65 X 73
	132	200	8.0	115.0	804	22.77	10901	76 ± 3	120 X 65 X 73
	132	200	8.6	125.0	773	21.89	10901	76 ± 3	120 X 65 X 73
	132	200	10.0	145.0	700	19.82	10901	76 ± 3	120 X 65 X 73

WATER COOLED FIXED SPEED (60Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
60 Hz	kW	hp	bar	psi	cfm	m ³ /min	lbs	db(A)	Inch
OF 145	160	250	7.0	100.0	986	27.92	10901	76 ± 3	120 X 65 X 73
	160	250	8.0	115.0	908	25.71	10901	76 ± 3	120 X 65 X 73
	160	250	8.6	125.0	897	25.40	10901	76 ± 3	120 X 65 X 73
	160	250	10.0	145.0	720	20.39	10901	76 ± 3	120 X 65 X 73
OF 160	160	250	7.0	100.0	1100	31.15	10635	76 ± 3	120 X 65 X 73
	160	250	8.0	115.0	1018	28.83	10635	76 ± 3	120 X 65 X 73
	160	250	8.6	125.0	953	26.99	10635	76 ± 3	120 X 65 X 73
	160	250	10.0	145.0	840	23.79	10635	76 ± 3	120 X 65 X 73
OF 200	200	300	7.0	100.0	1351	38.25	13999	80 ± 3	138 x 73 x 81
OF 210	250	300	7.0	100.0	1468	41.56	13999	80 ± 3	138 x 73 x 81
	250	300	8.0	115.0	1376	38.95	13999	80 ± 3	138 x 73 x 81
	250	300	8.6	125.0	1327	37.57	13999	80 ± 3	138 x 73 x 81
OF 250	250	300	7.0	100.0	1509	42.72	13999	80 ± 3	138 x 73 x 81
	250	300	8.0	115.0	1416	40.09	13999	80 ± 3	138 x 73 x 81
	250	300	8.6	125.0	1366	38.67	13999	80 ± 3	138 x 73 x 81
	250	300	10.0	145.0	1267	35.88	13999	80 ± 3	138 x 73 x 81
OF 265	275	350	7.0	100.0	1654	46.82	13999	80 ± 3	138 x 73 x 81
	275	350	8.0	115.0	1550	43.88	13999	80 ± 3	138 x 73 x 81
	275	350	8.6	125.0	1414	40.03	13999	80 ± 3	138 x 73 x 81
	275	350	10.0	145.0	1308	37.04	13999	80 ± 3	138 x 73 x 81
OF 275	315	350	7.0	100.0	1688	47.79	13999	80 ± 3	138 x 73 x 81
	315	350	8.0	115.0	1602	45.35	13999	80 ± 3	138 x 73 x 81
	315	350	8.6	125.0	1506	42.63	13999	80 ± 3	138 x 73 x 81
	315	350	10.0	145.0	1350	38.23	13999	80 ± 3	138 x 73 x 81
OF 300	315	400	7.0	100.0	1809	51.21	13999	80 ± 3	138 x 73 x 81
	315	400	8.0	115.0	1680	47.56	13999	80 ± 3	138 x 73 x 81
	315	400	8.6	125.0	1646	46.60	13999	80 ± 3	138 x 73 x 81
	315	400	10.0	145.0	1438	40.72	13999	80 ± 3	138 x 73 x 81
OF 355	330	450	7.0	100.0	2003	56.70	20943	82 ± 3	165 x 82 x 100
	330	450	8.0	115.0	1988	56.28	20943	82 ± 3	165 x 82 x 100
	330	450	8.6	125.0	1988	56.28	20943	82 ± 3	165 x 82 x 100
OF 400	400	525	7.0	100.0	2263	64.07	20943	82 ± 3	165 x 82 x 100
	400	525	8.0	115.0	2263	64.07	20943	82 ± 3	165 x 82 x 100
	400	525	8.6	125.0	2263	64.07	20943	82 ± 3	165 x 82 x 100
OF 450	460	600	7.0	100.0	2518	71.28	20943	82 ± 3	165 x 82 x 100
	460	600	8.0	115.0	2513	71.14	20943	82 ± 3	165 x 82 x 100
	460	600	8.6	125.0	2513	71.14	20943	82 ± 3	165 x 82 x 100

WATER COOLED VARIABLE SPEED (60Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
60 Hz	kW	hp	bar	psi	cfm	m ³ /min	lbs	db(A)	Inch
OF 90	90	125	7.0	100.0	350~590	9.91~16.70	9109	75 ± 3	108 X 65 X 73
	90	125	8.0	115.0	349~533	9.88~15.09	9109	75 ± 3	108 X 65 X 73
	90	125	8.6	125.0	350~525	9.91~14.87	9109	75 ± 3	108 X 65 X 73
	90	125	10.0	145.0	365~452	10.34~12.80	9109	75 ± 3	108 X 65 X 73

Technical Specifications - OF Series

WATER COOLED VARIABLE SPEED (60Hz)

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxBxH)
60 Hz	kW	hp	bar	psi	cfm	m ³ /min	lbs	db(A)	Inch
OF 110	110	150	7.0	100.0	350~678	9.91~19.20	10191	75 ± 3	108 X 65 X 73
	110	150	8.0	115.0	347~676	9.83~19.14	10191	75 ± 3	108 X 65 X 73
	110	150	8.6	125.0	349~568	9.88~16.08	10191	75 ± 3	108 X 65 X 73
	110	150	10.0	145.0	365~535	10.34~15.15	10191	75 ± 3	108 X 65 X 73
OF 132	132	200	7.0	100.0	350~863	9.91~24.44	11176	76 ± 3	120 X 65 X 73
	132	200	8.0	115.0	350~804	9.91~22.77	11176	76 ± 3	120 X 65 X 73
	132	200	8.6	125.0	350~753	9.91~21.32	11176	76 ± 3	120 X 65 X 73
	132	200	10.0	145.0	597~700	16.91~19.82	11176	76 ± 3	120 X 65 X 73
OF 132P	132	200	7.0	100.0	580~922	16.42~26.11	11176	76 ± 3	120 X 65 X 73
	132	200	8.0	115.0	579~855	16.40~24.21	11176	76 ± 3	120 X 65 X 73
	132	200	8.6	125.0	579~805	16.40~22.8	11176	76 ± 3	120 X 65 X 73
OF 145	160	250	7.0	100.0	580~986	16.42~27.92	11200	76 ± 3	120 X 65 X 73
	160	250	8.0	115.0	580~908	16.42~25.71	11200	76 ± 3	120 X 65 X 73
	160	250	8.6	125.0	581~897	16.45~25.40	11200	76 ± 3	120 X 65 X 73
	160	250	10.0	145.0	598~720	16.93~20.39	11200	76 ± 3	120 X 65 X 73
OF 160	160	250	7.0	100.0	581~1100	16.45~31.14	10934	76 ± 3	120 X 65 X 73
	160	250	8.0	115.0	580~1018	16.42~28.83	10934	76 ± 3	120 X 65 X 73
	160	250	8.6	125.0	581~953	16.45~26.99	10934	76 ± 3	120 X 65 X 73
	160	250	10.0	145.0	600~840	16.99~22.78	10934	76 ± 3	120 X 65 X 73
OF 200	200	300	7.0	100.0	970~1351	27.45~38.2	13999	80 ± 3	138 x 73 x 81
OF 210	250	300	7.0	100.0	906~1468	25.64~41.5	13999	80 ± 3	138 x 73 x 81
	250	300	8.0	115.0	971~1376	27.48~38.9	13999	80 ± 3	138 x 73 x 81
	250	300	8.6	125.0	965~1327	27.31~37.5	13999	80 ± 3	138 x 73 x 81
OF 250	250	300	7.0	100.0	964~1509	27.28~42.7	13999	80 ± 3	138 x 73 x 81
	250	300	8.0	115.0	963~1416	27.25~40.0	13999	80 ± 3	138 x 73 x 81
	250	300	8.6	125.0	961~1366	27.20~38.6	13999	80 ± 3	138 x 73 x 81
	250	300	10.0	145.0	957~1235	27.08~35.0	13999	80 ± 3	138 x 73 x 81
OF 265	275	350	7.0	100.0	955~1654	27.03~46.8	13999	80 ± 3	138 x 73 x 81
	275	350	8.0	115.0	960~1550	27.17~43.8	13999	80 ± 3	138 x 73 x 81
	275	350	8.6	125.0	963~1414	27.25~40.0	13999	80 ± 3	138 x 73 x 81
	275	350	10.0	145.0	956~1283	27.05~36.3	13999	80 ± 3	138 x 73 x 81
OF 275	315	350	7.0	100.0	940~1688	26.60~47.7	13999	80 ± 3	138 x 73 x 81
	315	350	8.0	115.0	947~1602	26.80~45.3	13999	80 ± 3	138 x 73 x 81
	315	350	8.6	125.0	955~1506	27.03~42.6	13999	80 ± 3	138 x 73 x 81
	315	350	10.0	145.0	957~1321	27.08~37.4	13999	80 ± 3	138 x 73 x 81
OF 300	315	400	7.0	100.0	938~1809	26.55~51.2	13999	80 ± 3	138 x 73 x 81
	315	400	8.0	115.0	933~1680	26.40~47.5	13999	80 ± 3	138 x 73 x 81
	315	400	8.6	125.0	944~1646	26.72~46.6	13999	80 ± 3	138 x 73 x 81
	315	400	10.0	145.0	940~1405	26.60~39.7	13999	80 ± 3	138 x 73 x 81

After Sales Products and Services



A wide range of after-sales products and services by ELGi is designed to add maximum value to customers. ELGi's quick service processes ensure the optimum availability and reliability of compressors with the lowest possible operating costs.

Genuine Spares and Service

Genuine spares and services from ELGi help to avoid unexpected compressor failures and the risk of subsequent damage to other vital compressor components. ELGi spares are designed, manufactured, and checked for quality to meet the standards of a new ELGi compressor. ELGi consistently focuses on

improving spares to provide customers with the best results.

ELGi Air Audit

ELGi air audit program helps improve compressors' performance by identifying the areas of wastage in the system. ELGi air audit services are offered for generation, distribution, and demand-side systems.

VALUE ADDED SERVICES Downstream Accessories

ELGi provides a wide range of air-cure solutions for industries that require specific downstream air requirements.



Downstream Filter



EZL Drain



Air Receiver

Certification



- | | |
|-------------------------------------|---|
| 1. Product | CE certified |
| 2. Air Quality | Class "0" per ISO:8573(P-2):2007 |
| 3. Product Performance | ISO 1217:2009 |
| 4. Pressurized Components | ASME "U" stamping (USA); PED (EU); Work Cover/
Plant Design Registration (Australia); DOSH
(Malaysia) |
| 5. Electricals | UL & CE certified |
| 6. Materials & Processes | FDA approved per EU regulation (EC)
No 1935/2004 |



ELGi's manufacturing plant in India is **ISO 22000 Certified**, demonstrating our dedication to providing food and beverage sectors across the world with consistently superior solutions.

ENERGY SAVING ACCESSORIES FOR A CLEAN, GREENER AND SUSTAINABLE FUTURE



Variable Frequency Drives (VFD)

The In-built ELGi Variable Frequency Drives (VFD) match the compressor output with the demand by varying motor speed which reduces the power consumption and subsequently results in savings.

The VFD helps eliminate frequent load-unload cycles and wasted power from the energy bill. In a fixed speed compressor with a Star-Delta starter, the starting current is as high as three times the Full Load Current (FLC). With ELGi VFD, the starting current is less than the FLC.

Advantages

- Energy savings
- Improved power factor
- Low starting current and hence reduced maximum demand
- Reduced maintenance
- High efficiency combined efficiency drive system

Six Reasons To Choose ELGi Air Compressors

1. Lower Life Cycle Cost
2. ELGi Technical Edge
3. Reliability
4. Global Service Network
5. Superior Warranty
6. Proven Results



ELGi

Always Better.

Elgi Equipments Limited is a global air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems.

ELGi has consistently worked towards ensuring that its customers achieve their productivity goals while keeping the cost of ownership low. ELGi offers a complete range of compressed

air solutions from oil lubricated and oil free rotary screw compressors, oil lubricated and oil free reciprocating compressors and centrifugal compressors, to dryers, filters, and downstream accessories.

The company's portfolio of over 400 products has found wide application across industries.

63+

Years of Customer-Centric Innovation

2 Mn+

Installations Worldwide

120+

Countries and Counting



DEMING PRIZE 2019

ELGi is the first globally established industrial air compressor manufacturer to be awarded the Deming Prize for Excellence in Total Quality Management.*

*In over six decades



OIL FREE. DISRUPTED

YOUR ALWAYS BETTER CHOICE IS HERE

AB SERIES OIL FREE
SCREW AIR COMPRESSORS



15 - 150 hp / 29 - 560 cfm
11 - 110 kW / 0.82 - 15.85 m³/min

OILFREE[™]
CLASS-0 ISO 8573-1

Low Cost of Ownership | Zero Process Contamination | 100% Class Zero Air | Low Carbon Footprint

Air quality on your mind?

With a global presence in more than 120+ countries and over 2 million installations, ELGi has spearheaded compressed air solutions, creating machines that have altered the way industries function. At ELGi, we believe in enhancing customer experience, producing reliable

machines that add value and improving manufacturing capabilities. With the introduction of the AB 'Always better' series oil free screw air compressors, ELGi brings you a disruption in oil free compressed air technology. If air quality is your priority, then AB Series is your solution.



For over 63+ years, ELGi has engineered a technologically superior range of compressed air systems with a promise to be always better.

63+

YEARS OF CUSTOMER
CENTRIC INNOVATION

2 mn+

INSTALLATIONS
WORLDWIDE

120+

COUNTRIES
AND COUNTING



**DEMING PRIZE
2019**

ELGi is the first globally established industrial air compressor manufacturer to be awarded the Deming Prize for Excellence in Total Quality Management.

In the industrial world, compressed air applications are so numerous and diverse that one may come across it every single day.

ELGi, one of the world's leading air-compressor manufacturers, who designs and offers an extensive range of innovative and technologically

advanced compressed air solutions for a variety of industry applications. ELGi has earned worldwide accolades for designing customer-centric compressed air solutions which are sustainable and help companies achieve their productivity goals, while ensuring a lower total cost of ownership.

Oil Free Compressed Air

The new normal!

Industries around the world are endeavouring to reduce their carbon footprint and adhere to international compliance norms.

Air quality is critical for sensitive industries ranging from Food and Beverages, Textiles, Pharmaceuticals, Electronics, Oil and Gas, Metals and Power industries, in which stringent compliance norms mandate contaminant free air.

With increasing pollution concerns and stringent environmental regulation, air quality and

specifically Oil Free air has become a necessity. Historically companies have suffered the constraints of high cost, poor reliability, and low efficiency in order to have oil free air.

"ELGi AB Series Oil Free Compressor is a perfect solution"

APPLICATIONS



FOOD & BEVERAGES



TEXTILES



PHARMACEUTICALS



ELECTRONICS



METALS



AUTOMOTIVE



OIL & GAS

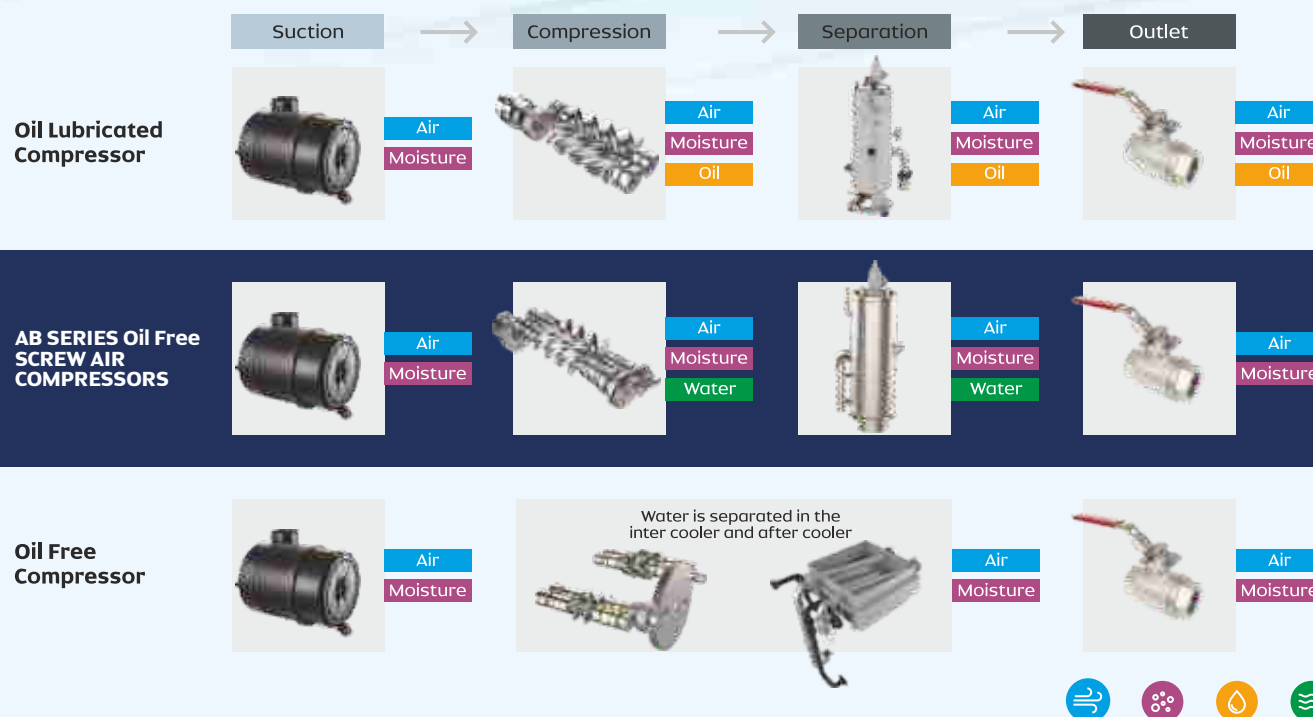


POWER



Every year, almost 2 million liters (more than .5 million gallons) of oil is released into the atmosphere. With global climate change and air quality concerns - we're witnessing a rise in collaborative international efforts to reduce the concentration of greenhouse gases and critical pollutants.

OIL FREE. DISRUPTED - AB SERIES



At ELGi, we've re-defined oil free compressor technology and built products that deliver high performance with minimal environmental impact. Today, our oil free compressors support some of the most critical and sensitive applications which demand, not just a high level of air quality, but also zero mineral oil residue.

With the ELGi AB 'Always Better' series, we bring you a disruption in oil free compressed air technology.

LOWER LIFE-CYCLE COSTS

A no-compromise, oil free solution at reduced life cycle costs when compared with prevailing oil free technology.

RELIABILITY

Significantly lower maintenance, peace of mind and ease of use.

AIR QUALITY

Class zero certified, contamination-free air for sensitive industry applications.

Every ELGi AB series customer across the world is assured of zero risk of contamination in the compressed air. Our customers are assured of guaranteed emission reduction while ensuring class zero air, free of oil residue, at all times.

OIL FREE. DISRUPTED

AB 'ALWAYS BETTER' SERIES OIL FREE SCREW AIR COMPRESSORS

ELGi's AB Series compressors deliver 100% oil free air, in compliance with the stringent norms of **ISO 8573 -1 Class 0 and ISO 8573—7**. The result? High quality air, free of microbiological contaminants.

Using an innovative approach to reduce cost and increase efficiency, the ELGi AB series is engineered to deliver maximum uptime and reliability, bridging the gap between energy

efficiency and a low cost of ownership. ELGi's unique rotor design reduces pressure loss, increases stage efficiency, resulting in an optimised compressed air system.

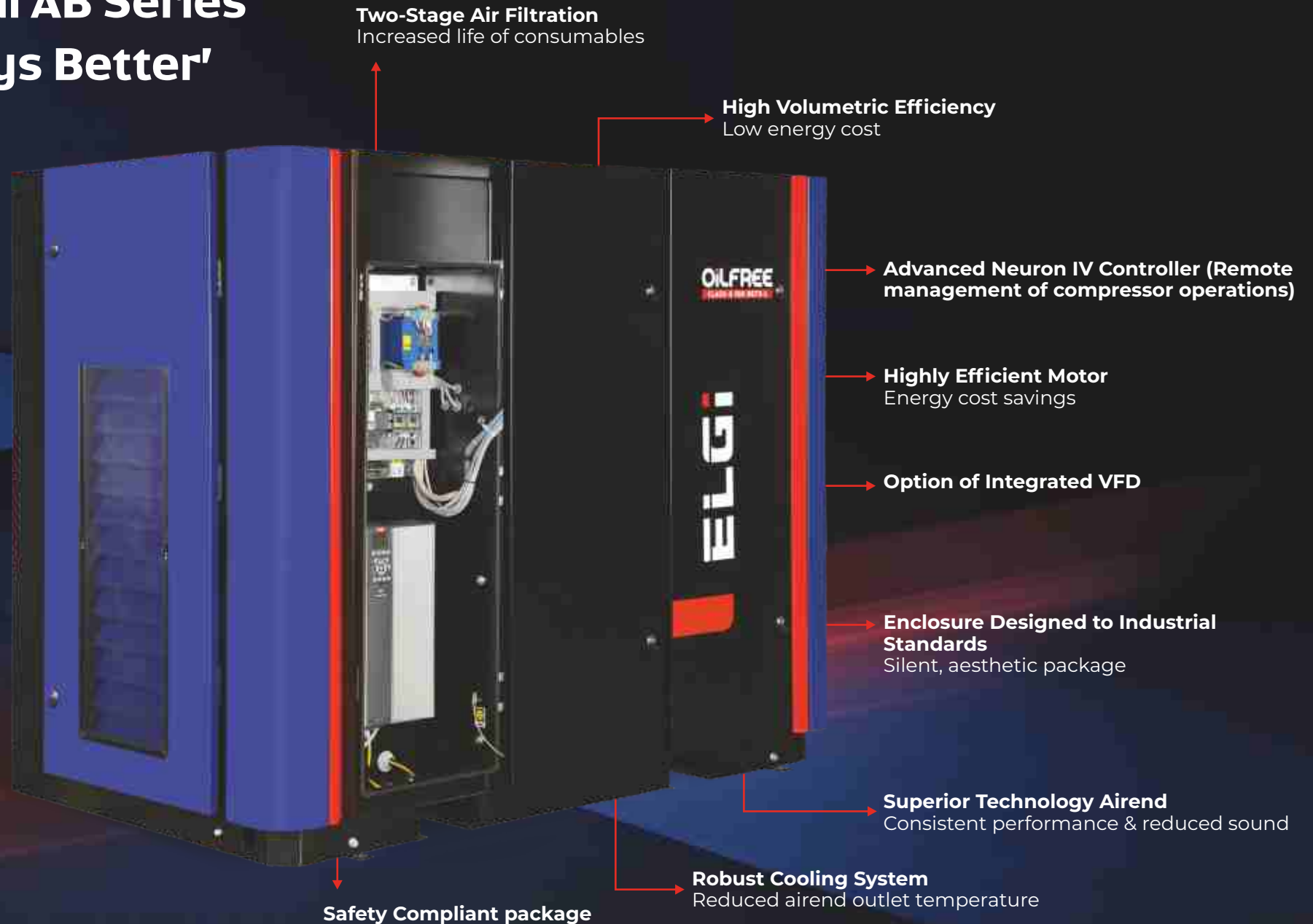
From a design perspective, the AB series is customer centric and reflects our focus on product aesthetics, design and innovation.

The AB series oil free screw compressor incorporates 16 design claims that makes ELGi the 1st in market to introduce this type of compressors with minimum life cycle cost for customers.

BETTER **RELIABILITY** | LOWER **MAINTENANCE COST**
LOWER **LIFE-CYCLE COST** | **SIMPLICITY OF DESIGN**



Why ELGi AB Series is 'Always Better'





ENERGY SAVINGS

Highly efficient air end

ELGi's air ends are equipped with in-house developed η -V profile rotors, with 4/5 lobe combination. The rotors are designed to run at optimum speeds.

This unique design reduces pressure losses and increases efficiency. The rotors ensure energy efficient compressed air supply for all demanding applications.

- Precise rotor clearances for best-in-class energy efficiency.
- Low operating speed for long life, low maintenance and low sound level.
- Complies with applicable safety standards.



MOISTURE FREE AIR

99% Water Free

Depending on the humidity level of inlet air, bulk water remains in compressed air at varying levels and causes corrosion of piping, end tools, machinery and valves. AB Series air compressors have a custom-designed centrifugal type moisture separator with an automatic drain.

This comes as a part of the package at no extra cost and removes over 99% of bulk water from the compressed air, resulting in corrosion free, longer life of end use equipments and less load on the dryer.



EFFICIENT SEPARATION

Efficient air-water separation with WSBIC
(3 stages)

ELGi has applied unique WSBIC process (Water separation by Impact and Centrifugal Action) which enables efficient separation of air and water with minimum pressure drop. The method enables separation of water in three stages increasing the life of the separator element.



SAFETY AND PROTECTION

AB series compressors are designed and perfected to ensure highest level of safety for

- Pressure regulating valve
- High pressure
- High temperature
- Pressure relief valve
- Phase order and single phase



Neuron IV Controller

- Seamless Integration with Air ~ Alert
- 7" LCD touch display
- Future ready with open-platform-communication (OPC)
- Advanced communications (CAN, Ethernet)
- Over-the-air (OTA) firmware update
- Multiple compressor control (Automatic sequencing and cascading)
- Suitable for feature up-gradations
- Multilingual - can support up to 32 languages
- Reliable design



COOL AIR

Efficient air cooling

The cooling system with fans and larger cooling surface area enhances the cooling of hot air. The fan motor uses significantly low power. The integrated fan-motor assembly maintains low temperature thereby increasing life of the motor. Smart cooling system design enables easy maintenance and ducting.



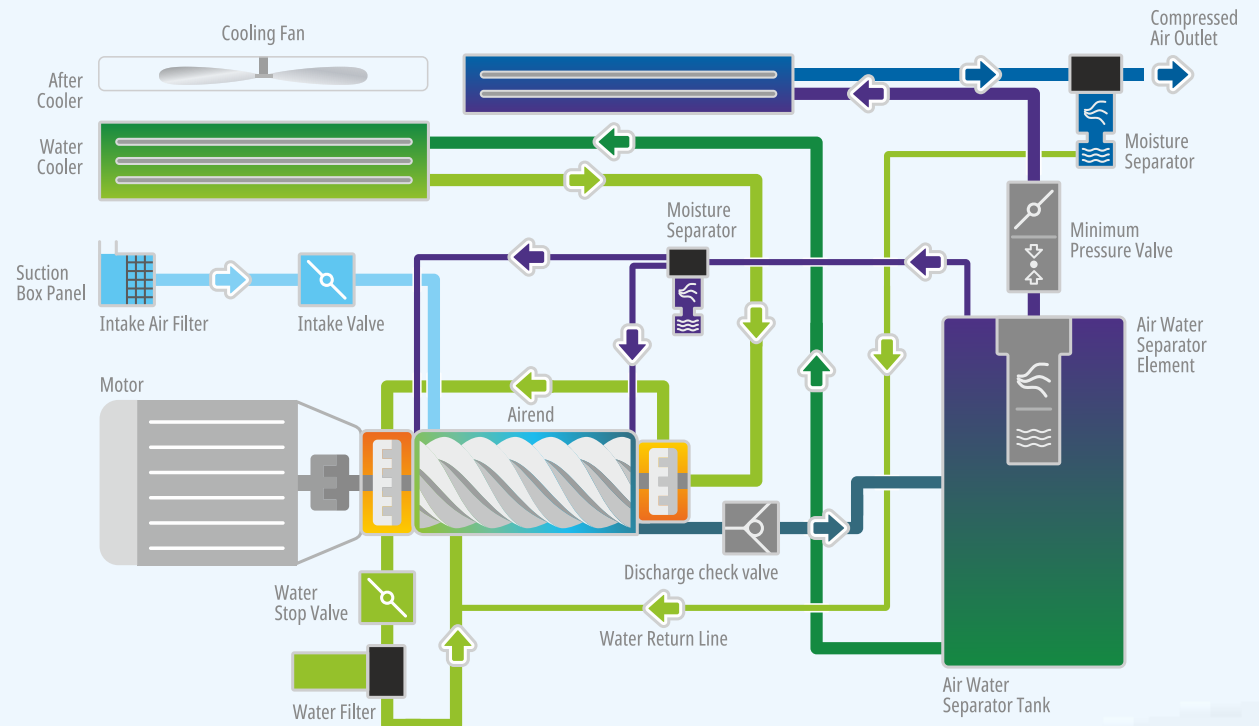
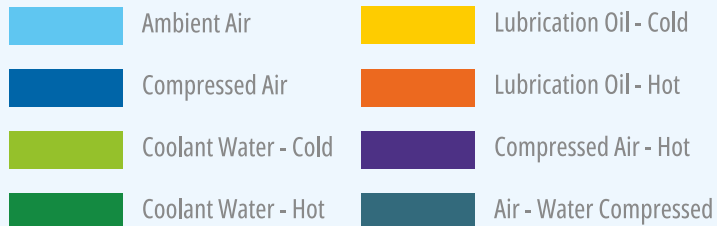
REDUCED STARTING LOAD

Intake valve system

The new generation intake valve with integrated blow down unit, solenoid controls and actuators is designed for low losses.

Intake valve optimally controls the compressor capacity during startup reducing the no-load power. This optimal capacity control results in direct savings on power consumption.

Air - Water Flow Circuit



Special Features of AB Series





STAINLESS STEEL MATERIAL W/COATING

ELGi machines use **FDA approved** stainless steel with **proprietary coating** which eliminates any chances of corrosion. Other compressors have polymer rotors which has a significantly lower life.



USAGE OF ROLLER BEARINGS

ELGi uses roller bearings and not hydrodynamic bearings. Hydrodynamic bearings require additional water pumping circuit to pressurize these bearings. This increases power consumption in both loaded & unloaded conditions. Roller bearings eliminates these requirements and **reduces power consumption**. They are also a **proven technology** which is widely used and easy to maintain / replace.



NO RO FILTERS IN THE SYSTEM

Other compressor manufacturers either have an open-loop circuit or auxiliary water circuit for bearings & cooling. To maintain the quality of water these compressors have a RO purifier in the water inlet line. On the other hand, ELGi machines have a **closed loop water circuit** which eliminates the need for a RO system. This **reduces power & maintenance cost** for our customers.



FOOD GRADE APPROVED ANODIZED ALUMINIUM HOUSING

ELGi compressors have a **food grade approved** anodized aluminium housing that helps in inhibiting any microbiological growth.



3-LAYER SEALING

Compared to conventional dry screw compressors, the Always Better Series compressors have **3 layer sealing** for **absolute sealing and peace of mind** for our customers - gearcase side for oil sealing; air side seal on airends and redundant seals in between. This system offers absolute sealing & peace of mind to customers.



AUTO-WATER REPLENISHMENT

ELGi AB Series compressors reuse condensate water to top up water circuit. The level switch in the tank drains excess water. This ensures **fresh clean water being auto replenished** thereby avoiding the need for any open-loop requirement or water filtration/treatment at water inlet line into the compressor.



IMPROVED DRYER PERFORMANCE

Elgi AB series compressors have low airend discharge temperature and better moisture separation. This results in better **Dew Point management with Dryer**.



NON-CONTACT TYPE ROTORS

The rotors in the ELGi compressors do not touch ensuring **consistent performance** across the product life cycle. This creates **lesser noise & vibration**.

BENEFITS

**How can the all
new AB series
benefit your
business?**





REDUCED COST OF OWNERSHIP

Energy cost amounts to approximately 70% of a compressors running cost. AB series compressors offer optimized pressure & volume with reduced load on-air treatment equipment.



ENVIRONMENT FRIENDLY

The compressed air from the package is absolutely pure with zero oil or any form of contaminant. The condensate from the compressor has clean water without any oil, making it virtually safe for reuse eliminating the need for any filter or Reverse osmosis water separator.



REDUCED RISK OF CONTAMINATION

The FDA has approved ELGi AB compressors series to be contaminant free as it has a proprietary coating combined with FDA approved material and closed-loop self-replenishing water circuit.

This eliminates any chance of corrosion or contaminant formation making these compressors ideal for applications where any form of oil or contaminants are not allowed.



LOWER MAINTENANCE COST

The efficient rotors with best in class performance, single-stage operation, low operation speed and application-oriented design, lowers overall maintenance.



NO MICROBIOLOGICAL CONTAMINANT

AB series compressors discharge air with no microbiological containment, complying with ISO 8573-7 standard.

KEY HIGHLIGHTS

SUPERIOR AIREND TECHNOLOGY WITH HIGH VOLUMETRIC EFFICIENCY

Low Energy Cost

ENCLOSURE DESIGNED TO INDUSTRIAL STANDARDS

Silent, Aesthetic, Safety Compliant package

ADVANCED NEURON IV CONTROLLER

(Remote management of compressor operations)
Ready for SCADA/DCS

ROBUST COOLING SYSTEM

Reduced air outlet temperature

HIGHLY EFFICIENT MOTOR

Energy cost savings

TWO STAGE AIR FILTRATION

Increased life of consumables



- Product – CE certified
- Air Quality – Class “0” per ISO:8573(P-2):2007
- Product Performance – ISO 1217:2009
- Pressurized components – ASME “U” stamping (USA); PED (EU); Work Cover/ Plant Design Registration (Australia); DOSH (Malaysia)
- Electricals – UL & CE certified
- Water Quality – IS:10500-2012
- Materials & processes – FDA approved per EU directive EC 1935/2004
- Air Quality for Microbial content – ISO:8573-7

SEVEN COMPELLING REASONS WHY YOU SHOULD CHOOSE ELGI COMPRESSORS

BEST-IN-CLASS LIFE CYCLE COST | UPTIME GUARANTEED | ELGi TECHNICAL EDGE |
RELIABILITY | BEST-IN-CLASS WARRANTY | GLOBAL SERVICE NETWORK | PROVEN RESULTS

Energy Saving - The CONSERVE Way

The In-Built ELGi CONSERVE variable frequency drive (VFD) matches compressor output with demand by varying motor speed. The power consumption reduces in line with the reduction in demand. This helps in eliminating the frequent load-unload cycle and as a result, saves energy.

A fixed speed compressor operates on a load unload band of at least 10 psi / 0.68 bar around the working pressure whereas with ELGi VFD, compressor can be operated within a band of 2 psi / 0.14 bar.

Since the compressor is not operated above higher than working pressure requirements, there is substantial energy saving. For every 2 psi / 0.14 bar reduction in operating pressure, there is 1% power saving.

In a fixed speed compressor with Star-Delta starter, starting current is as high as three times

the full load current (FLC). With ELGi VFD, starting current is less than the FLC. This helps to avoid using heavy rated components like fuses, MCCB, cable size, generator rating and isolators.

ADVANTAGES:

ELECTRICAL:

- Low starting current
- High efficiency
- Improved power factor
- Reduced maximum demand

MECHANICAL:

- Minimum maintenance
- Reduced mechanical wear
- Smooth start
- Smooth control



TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS

50Hz Fixed Speed

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
50Hz	kW	HP	bar	psi	m ³ /min	cfm	Kg	db(A)	(mm)
AB 11	11	15	7	100	1.44	51	1040	72	1985 X 1190 X 1615
	11	15	8	115	1.19	42	1040	72	1985 X 1190 X 1615
	11	15	9	125	1.10	39	1040	72	1985 X 1190 X 1615
	11	15	10	150	0.85	30	1040	72	1985 X 1190 X 1615
AB 15	15	20	7	100	2.38	84	1050	72	1985 X 1190 X 1615
	15	20	8	115	2.10	74	1050	72	1985 X 1190 X 1615
	15	20	9	125	1.93	68	1050	72	1985 X 1190 X 1615
	15	20	10	150	1.59	56	1050	72	1985 X 1190 X 1615
AB 18	15	20	12	175	0.96	34	1050	72	1985 X 1190 X 1615
	18	25	7	100	3.00	106	1125	72	1985 X 1190 X 1615
	18	25	8	115	2.72	96	1125	72	1985 X 1190 X 1615
	18	25	9	125	2.41	85	1125	72	1985 X 1190 X 1615
AB 22	18	25	10	150	2.04	72	1125	72	1985 X 1190 X 1615
	18	25	12	175	1.44	51	1125	72	1985 X 1190 X 1615
	22	30	7	100	3.54	125	1145	72	1985 X 1190 X 1615
	22	30	8	115	3.14	111	1145	72	1985 X 1190 X 1615
AB 30	22	30	9	125	2.83	100	1145	72	1985 X 1190 X 1615
	22	30	10	150	2.55	90	1145	72	1985 X 1190 X 1615
	22	30	12	175	1.78	63	1145	72	1985 X 1190 X 1615
	30	40	7	100	5.10	180	1473	72	2330 X 1241 X 1865
AB 37	30	40	8	115	4.64	164	1473	72	2330 X 1241 X 1865
	30	40	9	125	4.10	145	1473	72	2330 X 1241 X 1865
	30	40	10	150	3.82	135	1473	72	2330 X 1241 X 1865
	30	40	12	175	3.71	131	1575	72	2330 X 1241 X 1865
AB 45	37	50	7	100	6.12	216	1575	72	2330 X 1241 X 1865
	37	50	8	115	5.66	200	1575	72	2330 X 1241 X 1865
	37	50	9	125	5.01	177	1575	72	2330 X 1241 X 1865
	37	50	10	150	4.59	162	1575	72	2330 X 1241 X 1865
AB 45	37	50	12	175	3.71	131	1575	72	2330 X 1241 X 1865
	45	60	7	100	7.28	257	1586	72	2330 X 1241 X 1865
	45	60	8	115	6.51	230	1586	72	2330 X 1241 X 1865
	45	60	9	125	5.89	208	1586	72	2330 X 1241 X 1865
AB 45	45	60	10	150	5.52	195	1586	72	2330 X 1241 X 1865
	45	60	12	175	4.74	167	1586	72	2330 X 1241 X 1865

Free Air Delivery (FAD) are tested as per ISO 1217 : 2009 - Annex C | FAD indicated is for the full package measured at the outlet | All mentioned packages are air cooled models only. | Weight indicated is approximate and actual can vary | Displayed here is the standard range. For customized packages with different voltages, medium and high voltage motor, pressure variants please contact our nearest sales office |

* Due to continuous improvements, specifications are subject to change without prior notice

TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS

50Hz Fixed Speed

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
50Hz	kW	HP	bar	psi	m³/min	cfm	Kg	db(A)	(mm)
AB 55	55	75	7	100	9.63	340	2425	75	2555 X 1640 X 1932
	55	75	8	115	8.61	304	2425	75	2555 X 1640 X 1932
	55	75	9	125	7.65	270	2425	75	2555 X 1640 X 1932
	55	75	10	150	7.31	258	2425	75	2555 X 1640 X 1932
	55	75	12	175	5.66	200	2425	75	2555 X 1640 X 1932
AB 75	75	100	7	100	12.46	440	2624	75	2555 X 1640 X 1932
	75	100	8	115	11.33	400	2624	75	2555 X 1640 X 1932
	75	100	9	125	10.34	365	2624	75	2555 X 1640 X 1932
	75	100	10	150	9.71	343	2624	75	2555 X 1640 X 1932
	75	100	12	175	8.35	295	2624	75	2555 X 1640 X 1932
AB 90	90	125	7	100	13.73	485	3292	75	3045 X 1870 X 1982
	90	125	8	115	12.46	440	3292	75	3045 X 1870 X 1982
	90	125	9	125	11.61	410	3292	75	3045 X 1870 X 1982
	90	125	10	150	11.04	390	3292	75	3045 X 1870 X 1982
AB 110	110	150	7	100	15.86	560	3425	79	3045 X 1870 X 1982
	110	150	8	115	14.98	529	3425	79	3045 X 1870 X 1982
	110	150	9	125	13.59	480	3425	79	3045 X 1870 X 1982
	110	150	10	150	12.46	440	3425	79	3045 X 1870 X 1982

Free Air Delivery (FAD) are tested as per ISO 1217 : 2009 - Annex C | FAD indicated is for the full package measured at the outlet | All mentioned packages are air cooled models only. | Weight indicated is approximate and actual can vary | Displayed here is the standard range. For customized packages with different voltages, medium and high voltage motor, pressure variants please contact our nearest sales office |

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TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS 50Hz VFD

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
50Hz	kW	HP	bar	psi	m ³ /min	cfm	Kg	db(A)	(mm)
AB 11	11	15	7	100	1.13-1.44	40-51	1040	72	1985 X 1190 X 1615
	11	15	8	115	1.05-1.19	37-42	1040	72	1985 X 1190 X 1615
AB 15	15	20	7	100	1.22-2.38	43-84	1070	72	1985 X 1190 X 1615
	15	20	8	115	1.19-2.10	42-74	1070	72	1985 X 1190 X 1615
	15	20	9	125	1.13-1.93	40-68	1070	72	1985 X 1190 X 1615
	15	20	10	150	1.02-1.59	36-56	1070	72	1985 X 1190 X 1615
AB 18	18	25	7	100	1.22-3.0	43-106	1150	72	1985 X 1190 X 1615
	18	25	8	115	1.19-2.72	42-96	1150	72	1985 X 1190 X 1615
	18	25	9	125	1.10-2.41	39-85	1150	72	1985 X 1190 X 1615
	18	25	10	150	1.05-2.04	37-72	1150	72	1985 X 1190 X 1615
	18	25	12	175	0.85-1.44	30-51	1150	72	1985 X 1190 X 1615
AB 22	22	30	7	100	1.47-3.54	52-125	1170	72	1985 X 1190 X 1615
	22	30	8	115	1.19-3.14	42-111	1170	72	1985 X 1190 X 1615
	22	30	9	125	1.10-2.83	39-100	1170	72	1985 X 1190 X 1615
	22	30	10	150	1.08-2.55	38-90	1170	72	1985 X 1190 X 1615
	22	30	12	175	0.91-1.78	32-63	1170	72	1985 X 1190 X 1615
AB 30	30	40	7	100	2.46-5.10	87-180	1518	72	2330 X 1241 X 1865
	30	40	8	115	2.43-4.64	86-164	1518	72	2330 X 1241 X 1865
	30	40	9	125	2.26-4.11	80-145	1518	72	2330 X 1241 X 1865
	30	40	10	150	2.21-3.82	78-135	1518	72	2330 X 1241 X 1865
AB 37	37	50	7	100	2.55-6.12	90-216	1620	72	2330 X 1241 X 1865
	37	50	8	115	2.44-5.66	86-200	1620	72	2330 X 1241 X 1865
	37	50	9	125	2.27-5.01	80-177	1620	72	2330 X 1241 X 1865
	37	50	10	150	2.21-4.59	78-162	1620	72	2330 X 1241 X 1865
	37	50	12	175	2.10-3.71	74-131	1620	72	2330 X 1241 X 1865
AB 45	45	60	7	100	3.31-7.28	117-257	1631	72	2330 X 1241 X 1865
	45	60	8	115	2.97-6.51	105-230	1631	72	2330 X 1241 X 1865
	45	60	9	125	2.49-5.89	88-208	1631	72	2330 X 1241 X 1865
	45	60	10	150	2.27-5.52	80-195	1631	72	2330 X 1241 X 1865
	45	60	12	175	2.04-4.74	72-167	1631	72	2330 X 1241 X 1865

Free Air Delivery (FAD) are tested as per ISO 1217 : 2009 - Annex E | FAD indicated is for the full package measured at the outlet | All mentioned packages are air cooled models only. | Weight indicated is approximate and actual can vary | Displayed here is the standard range. For customized packages with different voltages, medium and high voltage motor, pressure variants please contact our nearest sales office |

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TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS 50Hz VFD

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
50Hz	kW	HP	bar	psi	m³/min	cfm	Kg	db(A)	(mm)
AB 55	55	75	7	100	5.24-9.63	185-340	2481	75	2555 X 1640 X 1932
	55	75	8	115	5.15-8.61	182-304	2481	75	2555 X 1640 X 1932
	55	75	9	125	5.04-7.65	178-270	2481	75	2555 X 1640 X 1932
	55	75	10	150	4.87-7.31	172-258	2481	75	2555 X 1640 X 1932
	55	75	12	175	4.56-5.66	161-200	2481	75	2555 X 1640 X 1932
AB 75	75	100	7	100	6.99-12.46	247-440	2624	75	2555 X 1640 X 1932
	75	100	8	115	7.13-11.33	252-400	2624	75	2555 X 1640 X 1932
	75	100	9	125	6.59-10.34	233-365	2624	75	2555 X 1640 X 1932
	75	100	10	150	6.25-9.71	221-343	2624	75	2555 X 1640 X 1932
	75	100	12	175	4.87-8.35	172-295	2624	75	2555 X 1640 X 1932
AB 90	90	125	7	100	6.93-13.73	245-485	3390	75	3045 X 1870 X 1982
	90	125	8	115	7.22-12.46	255-440	3390	75	3045 X 1870 X 1982
	90	125	9	125	6.51-11.61	230-410	3390	75	3045 X 1870 X 1982
	90	125	10	150	6.54-11.04	231-390	3390	75	3045 X 1870 X 1982
AB 110	110	150	7	100	7.78-15.86	275-560	3523	79	3045 X 1870 X 1982
	110	150	8	115	7.41-14.87	262-525	3523	79	3045 X 1870 X 1982
	110	150	9	125	6.62-13.59	234-480	3523	79	3045 X 1870 X 1982
	110	150	10	150	6.57-12.46	232-440	3523	79	3045 X 1870 X 1982

Free Air Delivery (FAD) are tested as per ISO 1217 : 2009 - Annex E | FAD indicated is for the full package measured at the outlet | All mentioned packages are air cooled models only. | Weight indicated is approximate and actual can vary | Displayed here is the standard range. For customized packages with different voltages, medium and high voltage motor, pressure variants please contact our nearest sales office |

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TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS

60Hz Fixed Speed

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
60Hz	HP	kW	psi	bar	cfm	m³/min	lbs	db(A)	(in)
AB 11	15	11	100	7	51	1.44	2292	72	78.2 X 46.9 X 63.6
	15	11	115	8	42	1.19	2292	72	78.2 X 46.9 X 63.6
	15	11	125	8.5	39	1.10	2292	72	78.2 X 46.9 X 63.6
	15	11	150	10	29	0.82	2292	72	78.2 X 46.9 X 63.6
AB 15	20	15	100	7	84	2.38	2292	72	78.2 X 46.9 X 63.6
	20	15	115	8	75	2.12	2292	72	78.2 X 46.9 X 63.6
	20	15	125	8.5	69	1.95	2292	72	78.2 X 46.9 X 63.6
	20	15	150	10	54	1.53	2292	72	78.2 X 46.9 X 63.6
	20	15	175	12	34	0.96	2292	72	78.2 X 46.9 X 63.6
AB 18	25	18	100	7	104	2.94	2292	72	78.2 X 46.9 X 63.6
	25	18	115	8	93	2.63	2292	72	78.2 X 46.9 X 63.6
	25	18	125	8.5	91	2.58	2292	72	78.2 X 46.9 X 63.6
	25	18	150	10	77	2.18	2292	72	78.2 X 46.9 X 63.6
	25	18	175	12	51	1.44	2292	72	78.2 X 46.9 X 63.6
AB 22	30	22	100	7	125	3.54	2292	72	78.2 X 46.9 X 63.6
	30	22	115	8	112	3.17	2292	72	78.2 X 46.9 X 63.6
	30	22	125	8.5	100	2.83	2292	72	78.2 X 46.9 X 63.6
	30	22	150	10	90	2.53	2292	72	78.2 X 46.9 X 63.6
	30	22	175	12	64	1.81	2292	72	78.2 X 46.9 X 63.6
AB 30	40	30	100	7	180	5.10	3311	72	92 X 51.9 X 73
	40	30	115	8	156	4.42	3311	72	92 X 51.9 X 73
	40	30	125	8.5	148	4.19	3311	72	92 X 51.9 X 73
	40	30	150	10	120	3.40	3311	72	92 X 51.9 X 73
AB 37	50	37	100	7	216	6.12	3358	72	92 X 51.9 X 73
	50	37	115	8	188	5.32	3358	72	92 X 51.9 X 73
	50	37	125	8.5	180	5.10	3358	72	92 X 51.9 X 73
	50	37	150	10	160	4.53	3358	72	92 X 51.9 X 73
	50	37	175	12	132	3.74	3358	72	92 X 51.9 X 73
AB 45	60	45	100	7	255	7.22	3605	72	92 X 51.9 X 73
	60	45	115	8	230	6.51	3605	72	92 X 51.9 X 73
	60	45	125	8.5	220	6.23	3605	72	92 X 51.9 X 73
	60	45	150	10	182	5.15	3605	72	92 X 51.9 X 73
	60	45	175	12	168	4.76	3605	72	92 X 51.9 X 73

Free Air Delivery (FAD) are tested as per ISO 1217 : 2009 - Annex C | FAD indicated is for the full package measured at the outlet | All mentioned packages are air cooled models only. | Weight indicated is approximate and actual can vary | Displayed here is the standard range. For customized packages with different voltages, medium and high voltage motor, pressure variants please contact our nearest sales office |

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TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS 60Hz Fixed Speed

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
	HP	kW	psi	bar	cfm	m ³ /min	lbs	db(A)	(in)
AB 55	75	55	100	7	327	9.26	5520	75	101 X 65 X 76.1
	75	55	115	8	305	8.64	5520	75	101 X 65 X 76.1
	75	55	125	8.5	273	7.73	5520	75	101 X 65 X 76.1
	75	55	150	10	245	6.94	5520	75	101 X 65 X 76.1
	75	55	175	12	199	5.64	5520	75	101 X 65 X 76.1
AB 75	100	75	100	7	440	12.46	5972	75	101 X 65 X 76.1
	100	75	115	8	403	11.41	5972	75	101 X 65 X 76.1
	100	75	125	8.5	375	10.62	5972	75	101 X 65 X 76.1
	100	75	150	10	342	9.68	5972	75	101 X 65 X 76.1
	100	75	175	12	298	8.44	5972	75	101 X 65 X 76.1
AB 90	125	90	100	7	485	13.73	7465	75	120 X 75.5 X 78
	125	90	115	8	448	12.69	7465	75	120 X 75.5 X 78
	125	90	125	8.5	425	12.03	7465	75	120 X 75.5 X 78
	125	90	150	10	405	11.47	7465	75	120 X 75.5 X 78
AB 110	150	110	100	7	560	15.86	7551	79	120 X 75.5 X 78
	150	110	115	8	516	14.61	7551	79	120 X 75.5 X 78
	150	110	125	8.5	488	13.82	7551	79	120 X 75.5 X 78
	150	110	150	10	420	11.89	7551	79	120 X 75.5 X 78

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TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS 60Hz VFD

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
	HP	kW	psi	bar	cfm	m ³ /min	lbs	db(A)	(in)
AB 11	15	11	100	7	41-51	1.16-1.44	2292	72	78.2 X 46.9 X 63.6
	15	11	115	8	36-42	1.02-1.19	2292	72	78.2 X 46.9 X 63.6
AB 15	20	15	100	7	44-84	1.25-2.38	2292	72	78.2 X 46.9 X 63.6
	20	15	115	8	43-75	1.22-2.12	2292	72	78.2 X 46.9 X 63.6
	20	15	125	8.5	40-69	1.13-1.95	2292	72	78.2 X 46.9 X 63.6
	20	15	150	10	40-54	1.13-1.53	2292	72	78.2 X 46.9 X 63.6
AB 18	25	18	100	7	44-104	1.25-2.94	2292	72	78.2 X 46.9 X 63.6
	25	18	115	8	42-93	1.19-2.63	2292	72	78.2 X 46.9 X 63.6
	25	18	125	8.5	40-91	1.13-2.58	2292	72	78.2 X 46.9 X 63.6
	25	18	150	10	37-77	1.05-2.18	2292	72	78.2 X 46.9 X 63.6
	25	18	175	12	31-51	0.88-1.44	2292	72	78.2 X 46.9 X 63.6
AB 22	30	22	100	7	44-125	1.25-3.54	2292	72	78.2 X 46.9 X 63.6
	30	22	115	8	42-112	1.19-3.17	2292	72	78.2 X 46.9 X 63.6
	30	22	125	8.5	40-100	1.13-2.83	2292	72	78.2 X 46.9 X 63.6
	30	22	150	10	37-90	1.05-2.55	2292	72	78.2 X 46.9 X 63.6
	30	22	175	12	33-64	0.93-1.81	2292	72	78.2 X 46.9 X 63.6
AB 30	40	30	100	7	87-180	2.46-5.10	3411	72	92 X 51.9 X 73
	40	30	115	8	86-156	2.43-4.42	3411	72	92 X 51.9 X 73
	40	30	125	8.5	82-148	2.32-4.19	3411	72	92 X 51.9 X 73
	40	30	150	10	80-120	2.26-3.40	3411	72	92 X 51.9 X 73
AB 37	50	37	100	7	90-216	2.55-6.12	3457	72	92 X 51.9 X 73
	50	37	115	8	86-188	2.43-5.32	3457	72	92 X 51.9 X 73
	50	37	125	8.5	82-180	2.32-5.10	3457	72	92 X 51.9 X 73
	50	37	150	10	80-160	2.26-4.53	3457	72	92 X 51.9 X 73
	50	37	175	12	74-132	2.09-3.74	3457	72	92 X 51.9 X 73
AB 45	60	45	100	7	117-255	3.31-7.22	3704	72	92 X 51.9 X 73
	60	45	115	8	105-230	2.97-6.51	3704	72	92 X 51.9 X 73
	60	45	125	8.5	88-220	2.49-6.23	3704	72	92 X 51.9 X 73
	60	45	150	10	80-182	2.26-5.15	3704	72	92 X 51.9 X 73
	60	45	175	12	72-168	2.04-4.76	3704	72	92 X 51.9 X 73

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TECHNICAL SPECIFICATIONS | AB SERIES OIL FREE SCREW AIR COMPRESSORS 60Hz VFD

Model	Nominal Power		Working Pressure		Free Air Delivery		Weight	Noise Level	Dimensions (LxWxH)
60Hz	HP	kW	psi	bar	cfm	m³/min	lbs	db(A)	(in)
AB 55	75	55	100	7	185-327	5.24-9.26	5620	75	101 X 65 X 76.1
	75	55	115	8	191-305	5.41-8.64	5620	75	101 X 65 X 76.1
	75	55	125	8.5	178-273	5.04-7.73	5620	75	101 X 65 X 76.1
	75	55	150	10	172-245	4.87-6.94	5620	75	101 X 65 X 76.1
	75	55	175	12	161-199	4.56-5.64	5620	75	101 X 65 X 76.1
AB 75	100	75	100	7	194-440	5.49-12.46	6071	75	101 X 65 X 76.1
	100	75	115	8	189-403	5.35-11.41	6071	75	101 X 65 X 76.1
	100	75	125	8.5	184-375	5.21-10.62	6071	75	101 X 65 X 76.1
	100	75	150	10	181-342	5.12-9.68	6071	75	101 X 65 X 76.1
	100	75	175	12	167-298	4.73-8.44	6071	75	101 X 65 X 76.1
AB 90	125	90	100	7	242-485	6.85-13.73	7681	75	120 X 75.5 X 78
	125	90	115	8	233-448	6.59-12.69	7681	75	120 X 75.5 X 78
	125	90	125	8.5	238-425	6.74-12.03	7681	75	120 X 75.5 X 78
	125	90	150	10	231-405	6.54-11.47	7681	75	120 X 75.5 X 78
AB 110	150	110	100	7	276-560	7.81-15.86	7767	79	120 X 75.5 X 78
	150	110	115	8	254-516	7.19-14.61	7767	79	120 X 75.5 X 78
	150	110	125	8.5	256-488	7.24-13.82	7767	79	120 X 75.5 X 78
	150	110	150	10	242-420	6.85-11.89	7767	79	120 X 75.5 X 78

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RECOGNITION FOR INNOVATIONS IN THE MANUFACTURING INDUSTRY

CII AWARD

The ELGi AB 'Always Better' series, won the CII Design Excellence Award in the Industrial Design, capital goods category, earlier this year. The CII Design Excellence Awards, endorsed by the India Design Council, acknowledge and celebrate design and innovation in India, while aiming to create new paradigms of design and promoting a unique amalgamation of traditional and contemporary design. The award was granted based on innovation, originality, distinctiveness, use of new materials & technology & user friendliness.

DEMING QUALITY AWARD

JUSE in Japan recognizes organizations that follow principles of total quality management in driving organization culture & business results. ELGi is now the first globally established industrial air compressor manufacturer to be awarded the Deming prize for excellence in Total Quality Management.

CAGI MEMBERSHIP

ELGi is a member of the CAGI which is the united voice of the compressed air industry, serving as the unbiased authority on technical, educational, promotional and other matters that affect the industry. Members comply with norms of performance testing & publishing.



AFTER SALES SOLUTIONS^{*} SERVICING OUR CUSTOMERS, PROVIDING ASSURANCE WORLDWIDE.

STANDARD UPTIME ASSURANCE

ELGi has a robust service network in every region it operates. Our uptime assurance ensures units are always running for our customers*.

48 -HOUR PARTS AVAILABILITY

ELGi distributors stock high volumes of replacement filters and parts. However, if they don't have a specific part available, we'll ship it to you within 48* hours.

COMPETITIVE PARTS PRICING

We offer genuine ELGi replacement parts and consumables (filters, oil etc.,) as it is key to protecting your AB series compressor and providing maximum uptime.

LOANER MACHINES

If your compressor goes down, we'll have it repaired* within 48 -hours or we can offer you the use of a loaner machine while yours is being repaired.

CUSTOMER HOTLINE

When you have service questions, you want to be able to speak to a person, not a machine. You also want that person to be local and knowledgeable. That's why our customer hotline is staffed by industry professionals who know our products, and your business.

* Subject to conditions and may vary for different countries



ELGi[®]
Always Better.



Oil-Free Reciprocating Air Compressor

ELGi
Always Better.

UPTIME™
ASSURANCE



CIN: L29120TZ1960PLC000351

www.elgi.com

1 - 15 HP / 0.75 - 11 kW

Oil-free reciprocating compressors

At ELGi, we are changing the way you look at the compressed air systems. It's no longer just about delivering air. It's about delivering UPTIME. From the way we design, manufacture and support our air compressors, every aspect of our business is built on keeping yours running: smoothly, efficiently and safely.

ELGi's Compressed Air System delivers clean, dry air with maximum reliability, energy efficiency and ease of maintenance to meet the increasing demands of today's Oil-free air requirements of industries

Elgi has adapted a dry crankcase that is totally devoid of oil. These new generation ELGi compressors significantly reduce operating costs and provide high quality Oil-free air that eliminates the usage of expensive downstream filters

ELGi offers single stage Oil-free compressors to its customers who need small quantities of oil-free air to work with their sophisticated equipment like dental chairs, laboratory and process equipment to name a few. While for critical Medical air and industrial oil free air needs, we offer two stage oil free compressors. Select models are offered with desiccant driers for applications that demand low pressure dew points.



Applications

- Oxygen/Nitrogen generation plants Laboratories
- Dental Chairs
- Pharmaceutical industry
- Food processing & packaging
- Electronics production
- Ozone generation
- Printing equipment
- Fermenters
- Research facilities
- Applications that are zero tolerant to oil in compressed air



Cylinders specially coated for wear and corrosion resistance



PTFE coated pistons and PTFE rings



Stainless Steel reed valves



Single piece crankshaft



Flanged aluminium aftercooler



Delivery unloader



Technical Specification

Model	Motor Power		Compressor speed	Free Air Delivery		Dimensions (LxBxH)	Cylinder	Net Weight	Air receiver
	HP	kW	rpm	cfm	lpm	mm		kg	Litres
TS 05 OF B	5.0	3.7	700	20.1	569	1645 x 545 x 1080	2	210	220
TS 07 OF B	7.5	5.5	1030	29.3	830	1645 x 575 x 1080	2	230	220
TS 10 OF B*	10.0	7.5	780	44.5	1260	1650 x 880 x 1315	3	400	420
TS 15 OF B*	15.0	11.0	1040	59.3	1679	1650 x 880 x 1315	3	460	420

Note:

• Maximum operating pressure is 10 bar • Free air delivery measured in accordance with IS 5456

* BM - Base mounted option available

Single stage direct drive Oil-free reciprocating air compressors

Key Product Features

- Plug and play system
- Portable
- Unique suction through crank case design
- Rocking piston arrangement for low vibration
- Motor provided with in-built overload protection
- Internally coated air receiver for corrosion resistance
- Models offered with and without desiccant driers
- 4 HP models are twin systems (2x2HP versions) with an in-built delay timer to switch on the second unit after a few seconds from the start of the first unit
- Product available in 45L and 100L variants



Applications



Dental



Fermenters

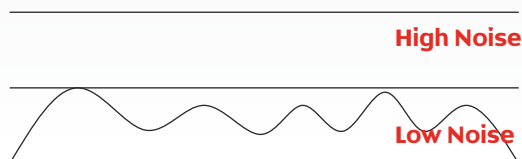


Gas, Liquid &
Ion Chromatography



Food Processing

Noise Level of Only - 63dB(A)!



Technical Specification

Model	Motor Power		Tank Capacity	Piston Displacement		Free Air Delivery		Maximum Pressure		Compressor Speed	No. of Cylinder	Voltage	Dimension (LxBxH) mm	Weight Kg	Model with Dryer (Y/N)
	kW	HP		lpm	cfm	lpm	cfm	bar(g)	psi						
SS 01 OF D	0.75	1	45	92	3.25	50	1.77	8	116	1450	1	230/1	790 x 355 x 700	38	N
SS 02 OF D	1.5	2	45	201	7.10	150	5.30	8	116	1450	2	230/1	830 x 535 x 680	60	Y
SS 02 OF D	1.5	2	45	201	7.10	150	5.30	8	116	1450	2	230/1	830 x 355 x 705	50	N
SS 04 OF D*	1.5+1.5	2+2	100	402	14.20	300	10.60	8	116	1450	2+2	230/1	1220 x 610 x 790	200	Y
SS 04 OF D*	1.5+1.5	2+2	100	402	14.20	300	10.60	8	116	1450	2+2	230/1	1220 x 480 x 790	150	N

Notes

Best suited for duty cycle of 3 minutes on and 7 minutes off in an operating cycle of 10 minutes

* Each unit has 2 compressor pumps and 2 driers

Free air delivery measured by tank filling method

Due to continuous engineering improvements, specifications are subject to change without prior notice

Elgi compressors are not designed/approved for breathing air applications. Elgi Equipments Limited assumes no responsibility or liability for compressors used for breathing air usage

ELGi Airmate Accessories



Refrigeration Air Dryer

- Capacity : 10-2000 cfm
- Working pressure : 7-60 bar
- Filtration range: +3°C. PDP



Dessicant Air Dryer

- Capacity : 10-45 cfm
- Max. working pressure : 16 bar g



Downstream filter

- Capacity : 19-1200 cfm
- Working pressure : 7-60 bar
- Filtration range: 1-0.003 microns



Drain Valves

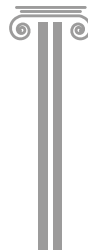
Timer controlled and zero loss

- Capacity : 50-2000 cfm
- Max. Working pressure : 16 bar g
- Media : Condensate



UPTIME Design

This speaks to the engineering and design of our products. Our R&D is dedicated to designing machines that run cooler, cleaner and longer... that are easy to service... with longer service intervals.



UPTIME Components

For so many of our customers, seeing is believing. They know a quality-built machine when they see it. That's why every part on a ELGi compressor is a quality part.



UPTIME Assurance

Here is where we back our pledge, Our industry leading warranties, parts availability and call centers staffed by experts assure peace-of-mind to our customers.



WORLD-WIDE REACH

ELGi serves the world marketplace. Over two million compressors are powering business in 70 countries worldwide. The company offers a strong sales and service network, integrated with a distribution network of 100's of dealers worldwide. ELGi™ has its own manufacturing facilities in India, Italy and USA. Additionally, ELGi has warehouse operations to stock units and parts in Australia, Brazil, Indonesia and Middle east

ELGi

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