AB Series Compressors

Oil Free. Disrupted

ELGi
Always Better.

UPTIME™ ASSURANCE + OILFREE™ CLASS-0 ISO 8573-1

CIN: L29120TZ1960PLC000351

30 – 75 kW* / 180 – 437 cfm

*Complete product range: 4 - 110 kW under development

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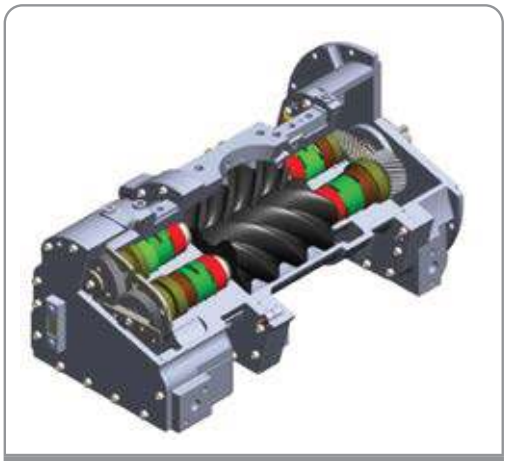
AB Series Compressor Technology

ELGi is one of the very few compressor companies to design and manufacture airends for Oil free compressor technology.

The new AB series compressors provides disruptive benefits in terms of efficiency, reliability and air quality resulting in lower life cycle costs and high uptime.



Optimal Design
Lower life cycle cost
High Uptime

The salient features of this machine that ensures disruptive benefits :

- Corrosion is totally avoided by stainless steel and coated surfaces in the entire air and water path
- The materials and process employed in the air and water path are approved for food grade applications.
- Elgi's unique and efficient eta-V rotor profile
- Stainless steel rotors WITH coating eliminates corrosion.
- Non-contact of rotors enables longer air end life
- Hard anodized aluminum housings with stainless steel inserts in bearing location eliminates corrosion.
- Multiple sealing solutions that ensures 100% security against oil entering the chamber
- Freezing in cold environments is totally avoided by an interlock and a heater system
- Higher pressures are possible up to 14 bar
- Lower turndown is possible up to 75%
- Complies with all safety and regulatory norms

The high quality air out put with Class-"0" certification combined with above superior features and benefits makes this compressor ideal for sensitive applications like pharmaceuticals, food processing and beverages wherein presence of oil vapor and moisture is intolerable.

SS rotors with
"proprietary" coating

Class -"0" Air: ISO 8573-1
Pure Water : IS 10500-2012

Corrosion free air & water path
Safe and Reliable

Technical Specification

Model	Nominal Power	FAD		Installed Fan Motor		Dimension		Weight	
	kW	CFM	m^3/min	kW	HP	L x W x H (mm)	L x W x H (in)	Kg	lbs
460V/60Hz -100 psi Working pressure									
AB30-100	30	180	5.1	1.7	2.3	2330 x 1241 x 1865	91 x 48 x 73	1700	3740
AB37-100	37	216	6.1	1.7	2.3	2330 x 1241 x 1865	91 x 48 x 73	1700	3740
AB45-100	45	255	7.2	1.7	2.3	2330 x 1241 x 1865	91 x 48 x 73	1700	3740
AB55-100	55	338	9.6	3.5	4.7	2830 x 1876 x 1975	111 x 73 x 77	3430	7546
AB75-100	75	437	12.4	3.5	4.7	2830 x 1876 x 1975	111 x 73 x 77	3430	7546
460V/60Hz -125 psi Working pressure									
AB30-125	30	148	4.2	1.7	2.3	2330 x 1241 x 1865	91 x 48 x 73	1700	3740
AB37-125	37	186	5.3	1.7	2.3	2330 x 1241 x 1865	91 x 48 x 73	1700	3740
AB45-125	45	220	6.2	1.7	2.3	2330 x 1241 x 1865	91 x 48 x 73	1700	3740
AB55-125	55	270	7.6	3.5	4.7	2830 x 1876 x 1975	111 x 73 x 77	3430	7546
AB75-125	75	372	10.5	3.5	4.7	2830 x 1876 x 1975	111 x 73 x 77	3430	7546

Note:

- 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
- All standard packages can be offered with built in VFD. Please contact our nearest sales office for specifications
- All motors can be supplied for various country standards like ABNT, NEMA and IEC however packages (dimension & weight) may vary

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

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