



ZENITH

Rotary screw compressors

Hp 3 - 4 - 5,5 - 7,5 - 10 - 15
bar 8 - 10



The reasons to choose Zenith



The ZENITH rotary screw compressors now enable the smaller user of compressed air to enjoy all the advantages previously available only to much larger users. Although smaller and more economical, the ZENITH incorporates all of the technology that has been developed for much larger and more expensive compressors.

**REDUCED SERVICE COSTS
AND LONGER SERVICE INTERVALS**

LOWER POWER CONSUMPTION

**DESIGNED FOR
CONTINUOUS OPERATION**

**LOWER AIR
TEMPERATURE**

BELT DRIVEN

EFFICIENT AND ECONOMICAL DESIGN

SIMPLE TO INSTALL AND MAINTAIN

**HIGHLY EFFICIENT
AND PATENTED AIR END DESIGN**

QUIET OPERATION

YESTERDAY

Installed power
Free air delivered (fad) only
Noise level
High air temperature

Low duty

Vibration level
Power
Basic safety protection

Piston compressor

5,5 Hp
75% of air displacement
85 dB(A) typically
75°C greater than the ambient temperature
cannot operate more than 50% load/off load
much higher
higher start up current
usually limited to motor overload

Yesterday and today



TODAY

Installed power
Free air delivered (fad) only
Noise level
High air temperature

Low duty
Vibration level
Power
Comprehensive safety
equipment

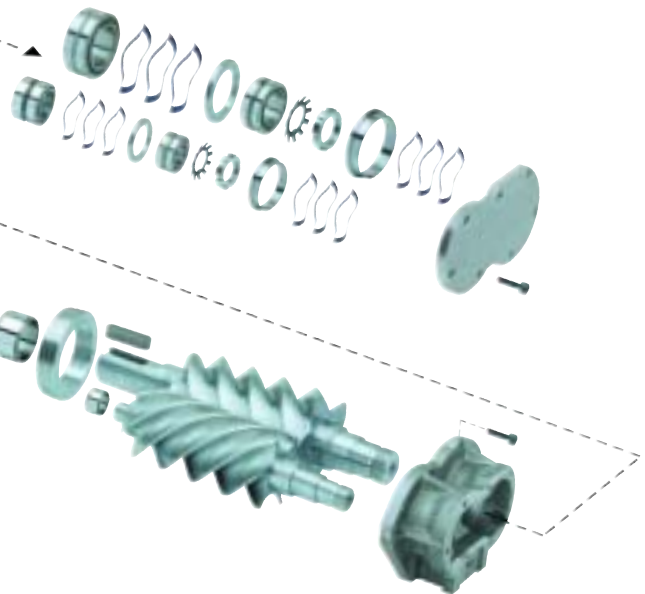
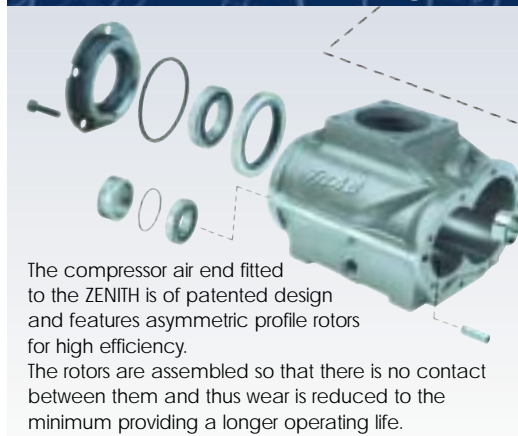
ZENITH

4 Hp
95% of air displacement
63 dB(A) typically
just 20°C greater than
the ambient temperature
can operate 100% load
much lower
reduced start up current
Motor overload
High air/oil temperature protection
Protection against incorrect rotation

The advantages

1

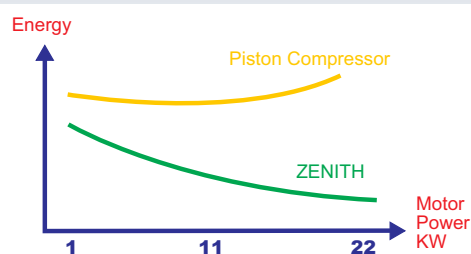
Patented air end design



2

Reduced power consumption

Thanks to the rotary technology that provides a higher output, the ZENITH compressor consumes less power in comparison to traditional piston type air compressors.



3

Low operating temperature

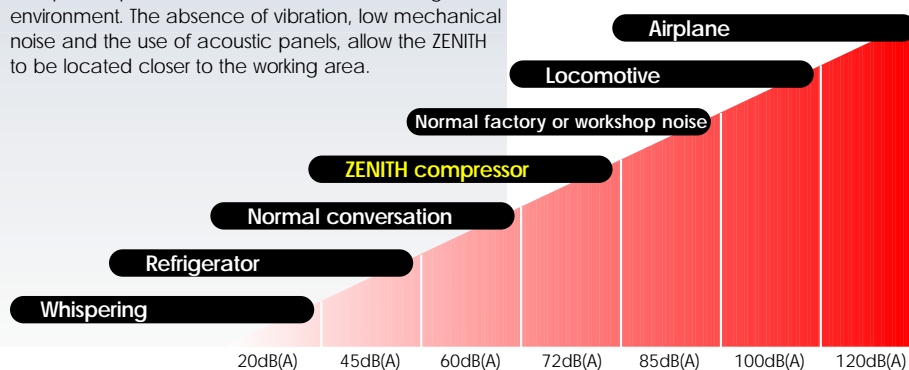
The ZENITH is fitted with an efficient cooling system including an automatic cooling fan that operates automatically as required, maintaining the optimum operating temperature. This facility provides extended service intervals and a reduction in condensation.



4

Low noise levels

Low noise levels, significantly lower than that of a piston compressor provide a more comfortable working environment. The absence of vibration, low mechanical noise and the use of acoustic panels, allow the ZENITH to be located closer to the working area.



5

Lower service costs and extended service intervals

The simple accessible arrangement, along with cooler operation keeps service costs to the minimum. The longer service intervals mean less down time, improving operator efficiency.



6

Advanced safety features

All ZENITH compressors are manufactured in accordance with ISO 9001. The following standard safety features provide additional operator safety:

- ◆High Air/oil temperature protection
- ◆Main motor thermal overload protection located in pressure switch
- ◆Incorrect rotation/phase sequence relay



7

Simple installation

The compressor is supplied ready for immediate installation and is fitted to an air receiver. The simple automatic controls and ease of installation means that the ZENITH can be connected very quickly, ready to deliver high quality compressed air up to 24 hours a day.



8

Flexibility

The ZENITH is available in 5 model sizes with operating pressure at either 8 bar or 10 bar (116 PSI or 145 PSI) in addition two air receiver sizes 270 litre and 500 litre are available, enabling the customer to choose exactly the right model for his needs.



Design and technology



1 Air end TriAB 35/TriAB 51

2 Electric motor IP54

3 Intake valve with air filter

4 Electric fan

5 Oil separator filter

6 Oil filter

7 Pressure switch

8 Pressure gauge

9 Super silenced cabinet

10 Antivibration pads

11 Belt tensioning gauge

12 Transmission belt

13 Drain valve

Technical data

ZENITH

Model	Pressure bar psi		Capacity m³/min CFM		Motor Power kW/Hp	Air end type	Noise dB(A)	Air receiver lt	Dimensions mm Length x Width x Height	Weight Kg
ZENITH 03	8	113	0,28	99	2,2/3	TriAB 35	62	base mounted	900 x 700 x 780	155
ZENITH 04	8	113	0,40	141	3/4	TriAB 35	63	base mounted	900 x 700 x 780	160
	10	141	0,38	134						
ZENITH 05	8	113	0,58	205	4/5,5	TriAB 35	63	base mounted	900 x 700 x 780	170
	10	141	0,51	180						
ZENITH 07	8	113	0,82	290	5,5/7,5	TriAB 51	64	base mounted	900 x 700 x 780	170
	10	141	0,73	258						
ZENITH 10	8	113	1,24	437	7,5/10	TriAB 51	66	base mounted	900 x 700 x 780	180
	10	141	1,04	367						
ZENITH 15*	8	113	1,67	590	11/15	TriAB 51	69	base mounted	900 x 700 x 780	200
	10	141	1,42	501						
ZENITH 03-270	8	113	0,28	99	2,2/3	TriAB 35	62	270	1550 x 700 x 1200	250
ZENITH 04-270	8	113	0,40	141	3/4	TriAB 35	63	270	1550 x 700 x 1200	250
	10	141	0,38	134						
ZENITH 05-270	8	113	0,58	205	4/5,5	TriAB 35	63	270	1550 x 700 x 1200	250
	10	141	0,51	180						
ZENITH 07-270	8	113	0,82	290	5,5/7,5	TriAB 51	64	270	1550 x 700 x 1200	270
	10	141	0,73	258						
ZENITH 10-270	8	113	1,24	437	7,5/10	TriAB 51	66	270	1550 x 700 x 1200	280
	10	141	1,04	367						
ZENITH 15-270*	8	113	1,67	590	11/15	TriAB 51	69	270	1550 x 700 x 1200	300
	10	141	1,42	501						
ZENITH 07-500	8	113	0,82	290	5,5/7,5	TriAB 51	64	500	2000 x 700 x 1350	360
	10	141	0,73	258						
ZENITH 10-500	8	113	1,24	437	7,5/10	TriAB 51	66	500	2000 x 700 x 1350	380
	10	141	1,04	367						
ZENITH 15-500*	8	113	1,67	590	11/15	TriAB 51	69	500	2000 x 700 x 1350	400
	10	141	1,42	501						

*Star/Delta starter

WORKING CONDITIONS:
 - Intake air pressure 1 bar
 - Air temperature at intake 20°C
 - FAD as per ISO 1217
 - Sound levels as per ISO 3744

Technical data may vary without notice



SPARE PARTS

Code	Description
9056780	Air filter cartridge for ZENITH 03 - 04 - 05 - 07 - 10 - 15
9056238	Oil filter cartridge for ZENITH 03 - 04 - 05 - 07 - 10
9056113	Oil filter cartridge for ZENITH 15
9056237	Separator Kit for ZENITH 03 - 04 - 05 - 07 - 10
9056292	Separator Kit for ZENITH 15
9280025	Mineral coolant BLU FORMULA 5 l.
9280026	Mineral coolant BLU FORMULA 10 l.
9280027	Mineral coolant BLU FORMULA 20 l.
9280028	Synthetic coolant DURALUBE 46 5 l.
9280029	Synthetic coolant DURALUBE 46 10 l.
9280030	Synthetic coolant DURALUBE 46 20 l.

CUSTOMER SERVICE

A full product support package is available to all of our customers throughout the world. Qualified technical advice and support is provided in strategic locations and in all major countries. Advice on installation, selection, additional equipment, maintenance management and environmental issues is available on request.
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Fax: +39 0119246455
e-mail: service@abac.it



ABAC air compressors are manufactured in compliance with:
98/37/CE machinery Directive;
87/404/CE simple pressure vessels Directive;
73/23/CE low voltage Directive;
89/336/CE electromagnetic compatibility;
2000/14/CE noise level.



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ABAC product range



ROTARY SCREW COMPRESSORS

From 2.2 to 200 kW (from 3,0 to 270 Hp),
from 8 to 15 bar

VARIABLE SPEED VERSION

From 11 to 75 kW (from 15 to 100 Hp),
from 6 to 13 bar



PISTON COMPRESSORS

- Direct drive oilfree and lubricated from 1,5 to 3 Hp, up to 100 liter air receiver, working pressure from 1 to 10 bar
- Belt driven, lubricated, single stage, two stage from 2 to 25 Hp, from 27 to 1000 liter air receiver, max pressure 15 bar
- Silenced, belt driven, single stage, two stage from 2 to 10 hp, up to 500 liter air receiver, working pressure from 1 to 11 bar



COMPRESSED AIR TREATMENT

- Refrigeration dryer from 16 to 6.000 m3/h
- Oil filters from 3 to 0,01 micron and carbon filter from 400 to 60.000 l/min
- Cyclonic separators from 30 to 1.200 m3/h
- Oil-water separators from 120 to 1.800 m3/h
- Air receiver from 100 to 5.000 liter



PNEUMATIC TOOLS

Full range of professional air tools for automotive, building, mechanical, wood working, nailing and stapling

Distributor

