

TRINITY

kW 5,5 - 7,5 - 11 - 15

bar 8 - 10 - 13 - 15



Broadbent

 **Air compressors**

ROTARY SCREW
COMPRESSORS

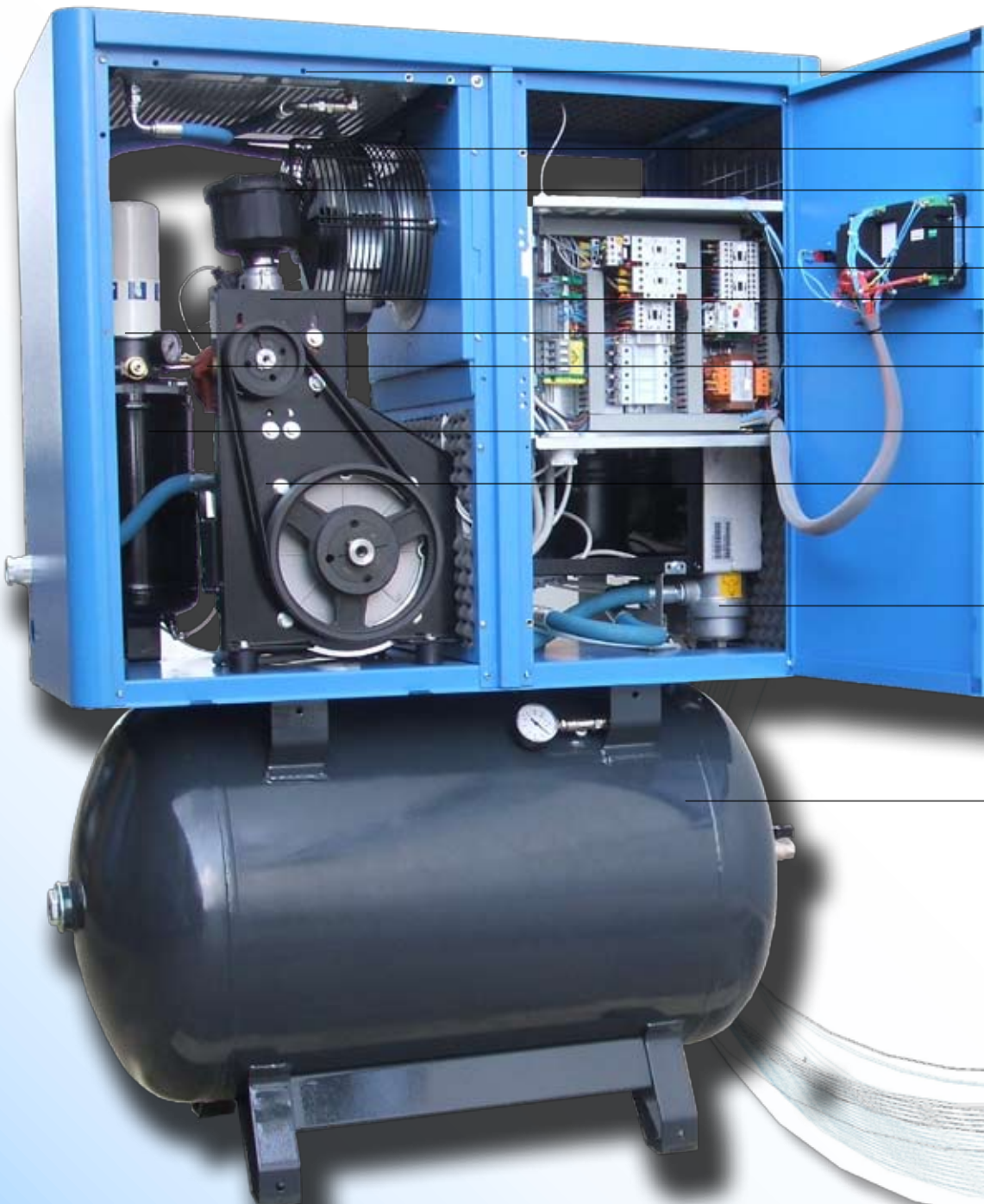


TRINITY Series - Fully featured rotary screw compressor

TRINITY series compressors replaces the traditional compressed air systems, incorporating filtration, refrigerated air dryer, air receiver with an energy efficient German isometric air end. TRINITY is ready for immediate installation with no additional piping or wiring. Having a small foot print and low noise allows for the Trinity to be installed in the immediate workplace meeting all Occupational Health and Safety regulations.

12 REASONS TO CHOOSE THE TRINITY

1. German manufactured isometric air end.
2. Pre and Post Filtration to 0.01 micron
3. Refrigerated air dryer
4. Large air receiver
5. Micro Processor
6. Energy Efficient motor
7. Pre Wired
8. Pre Piped
9. Small foot print
10. Automatic programmable condensate drain
11. Fault diagnostic panel
12. Oversized cooling for operating in high ambient temperatures



Oversized air aftercooler and fan to operate in elevated temperatures

Thermostatically controlled fan to reduce operating costs and improve efficiency

Heavy duty encapsulated motor with Microprocessor

Star delta starter and Programmable load and unloading

Air / oil separator filter

German isometric air end

3 stage air oil separator membrane ensuring a clean oil free air

Heavy Duty IP 54 electric motor with a maximum of 90% service factor for compressor to operate under full load

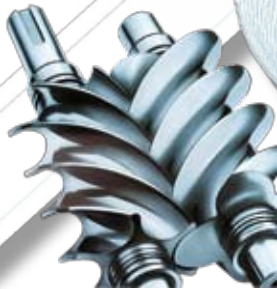
Refrigerated air dryer using desiccant including 2 compressed air filters and 1 desoiling filter 0.01 micron programmable condensate drain

270 lt air receiver



TRINITY Series - Facts

TRINITY screw compressors offer a complete package ranging from 5.5kW to 15kW with a pressure range from 8 Bar to 15 Bar, offering a clean oil free air supply to 0.01 micron and a pressure dew point of +3°C. TRINITY supplies operators with a high level of energy efficient clean compressed air to the production with the ability to tailor the output of the compressor through the control panel, minimising service and running costs.



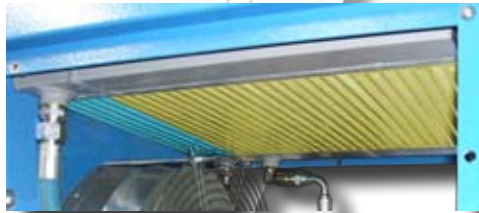
AIR END

German built isometric air end
Quality components
Prolonged operating life



CONTROLLER

Operator friendly controller
Simple display
Programmable weekly starts
Canbus control for up to 4 units
Auto start function
Remote function
Fault diagnostic panel
Programmable maintenance



AIR COOLING

Oversized air oil coolers
Low discharge temperatures
Low compression temperatures
Extended operating life



COMPRESSED AIR TREATMENT

Integrated refrigerated air dryer
Pre filtration 1 micron
Post filtration 0.01 micron
+3°C pressure dew point
Fully automatic drains



DRIVE SYSTEM

The drive system extends operating life by up to 100% over standard V-Belts. The large surface area ensures Maximum drive and minimum slip, guaranteeing an efficient drive train from the motor to the air end.



European made for Australia

TRINITY Series

Model	Max Pressure		F.A.D.		Power		Noise lev. dB(A)	Tank size (lt)	Weight Kg	Dimensions L x W x H (mm)
	bar max	Psig max	m ³ /min	CFM	kW	Hp				
TRINITY 5,5-8	8	116	0,78	28	5,5	7,5	64	270	305	1195x580x1635
TRINITY 5,5-10	10	145	0,72	26						
TRINITY 5,5-13	13	188	0,48	17						
TRINITY 5,5-15	15	217	0,46	16						
TRINITY 7,5-8	8	116	1,10	38	7,5	10	65	270	308	1195x580x1635
TRINITY 7,5-10	10	145	1,00	35						
TRINITY 7,5-13	13	188	0,71	25						
TRINITY 7,5-15	15	217	0,68	24						
TRINITY 11-8	8	116	1,80	63	11	15	65	270	340	1195x580x1635
TRINITY 11-10	10	145	1,58	56						
TRINITY 11-13	13	188	1,23	43						
TRINITY 11-15	15	217	1,16	41						
TRINITY 15-8	8	116	2,24	79	15	20	65	270	350	1195x580x1635
TRINITY 15-10	10	145	2,00	71						
TRINITY 15-13	13	188	1,56	55						
TRINITY 15-15	15	217	1,48	52						

The air flow rates have been measured at the following working pressures:

7 bar for mod. 7,5 bar - 9.5 bar for mod. 10 bar - 12.5 bar for mod. 13 bar - 14.5 bar for mod. 15 bar

The data and performances were recorded in accordance with standard ISO 1217. The sound level was measured in accordance with PNEUROP/CAGI standards.

Technical specifications subject to change without notice - Broadbent - Cod. 900629 Rev00 - 07/2010

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