

TRINITY

kW 5,5 - 7,5 - 11 - 15 - 18,5 - 22

bar 8 - 10 - 13 - 15



POWER SYSTEM

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 | 7. Pre Wired |
| 2. Pre and Post Filtration to 0.01 micron | 8. Pre Piped |
| 3. Refrigerated air dryer | 9. Small foot print |
| 4. 270 / 500 It air receiver | 10. Automatic programmable condensate drain |
| 5. Micro Processor | 11. Fault diagnostic panel |
| 6. Energy Efficient motor | 12. Oversized cooling for operating in high ambient temperatures |



Oversized air aftercooler and separator to operate in elevated temperatures

Thermostatically controlled fan for minimising operating costs

Heavy duty encapsulated motor

Microprocessor

Star delta starter

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 allowing compressor to operate under full load

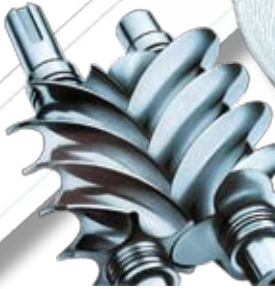
Refrigerated air dryer using desiccant including 2 compressed air filters and 1 desoiling filter 0.01 micron programmable condensate drain

270 It air receiver (500 It air receiver optional)

You are in a Power System...

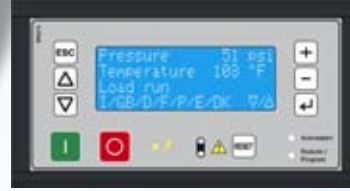
TRINITY Series - Facts

TRINITY screw compressors offer a complete package ranging from 5.5kW to 22kW 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.



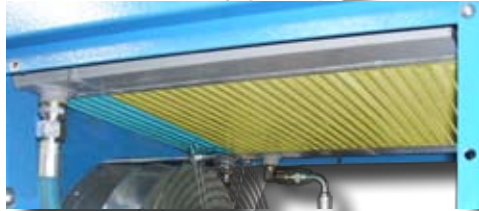
AIR END

German built isometric air end
Quality components
Prolonged operating life



DNair 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.

You are in a Power System...

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	225	1195x580x1635
TRINITY 5,5-10	10	145	0,72	26						
TRINITY 5,5-13	13	188	0,48	17				500	275	1900x589x1645
TRINITY 5,5-15	15	217	0,46	16						
TRINITY 7,5-8	8	116	1,10	38	7,5	10	65	270	228	1195x580x1635
TRINITY 7,5-10	10	145	1,00	35						
TRINITY 7,5-13	13	188	0,71	25				500	278	1900x589x1645
TRINITY 7,5-15	15	217	0,68	24						
TRINITY 11-8	8	116	1,80	63	11	15	65	270	260	1195x580x1635
TRINITY 11-10	10	145	1,58	56						
TRINITY 11-13	13	188	1,23	43				500	310	1900x589x1645
TRINITY 11-15	15	217	1,16	41						
TRINITY 15-8	8	116	2,24	79	15	20	65	270	265	1195x580x1635
TRINITY 15-10	10	145	2,00	71						
TRINITY 15-13	13	188	1,56	55				500	315	1900x589x1645
TRINITY 15-15	15	217	1,48	52						
TRINITY 18,5-8	8	116	3,17	112	18,5	25	68	500	455	1900x780x1745
TRINITY 18,5-10	10	145	2,65	94						
TRINITY 18,5-13	13	188	2,13	75						
TRINITY 18,5-15	15	217	2,07	73						
TRINITY 22-8	8	116	3,68	130	22	30	68	500	465	1900x780x1745
TRINITY 22-10	10	145	3,32	117						
TRINITY 22-13	13	188	2,60	92						
TRINITY 22-15	15	217	2,19	77						

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.

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