

INDUSTRIAL

kW 75 - 90 - 110 - 132 - 160 - 200 - 250

bar 7,5 - 10 - 13



Broadbent

 **Air compressors**

ROTARY SCREW
COMPRESSORS



INDUSTRIAL SERIES 75 kW – 250 kW - Direct Drive

The INDUSTRIAL series has been designed to operate in the most demanding of conditions, supplying low running costs and a high air output. A direct drive system from the motor to the air end allows for low maintenance and low operating costs. Paramount in the design of the Industrial Series was quality and the ability to supply a constant and reliable air supply in the most arduous of environments.

The INDUSTRIAL Series offers a micro processor with a capability to operate six Compressors from one common control panel. Functions of the control panel gives the Compressors the ability to be individually programmed to meet the exact workplace requirements, minimising operating costs.

9 REASONS TO CHOOSE THE INDUSTRIAL

1. German manufactured isometric air end.
2. Micro Processor
3. Energy Efficient motor
4. Pre Wired
5. Pre Piped
6. Automatic programmable condensate drains
7. Fault diagnostic panel
8. Oversized cooling for operating in high ambient temperatures
9. Direct drive motor to air end



AIR END

German built isometric
Quality components
Prolonged operating life
High output

AIR COOLING

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

HIGH EFFICIENCY MOTOR

- ° Variable speed driving motor IP 55, Class F
- ° High efficiency motor.
- ° Low service factor on the main drive motor

- Thermostatically controlled cooling fan minimising operating costs and improving cooling
- Oversized air aftercooler and oil cooler to operate in elevated temperatures
- Heavy duty encapsulated intake filter 2 micron with a large surface area, extending operating life
- Oil filters
- 3 stage air oil separator minimising oil carry over, ensuring a clean oil free air supply
- Load and unload intake valve minimising operating cost
- Highly efficient condensate separator
- German isometric air end
- Heavy Duty IP 55 electric motor operating at a maximum of 90% service factor, allowing the compressor to operate under extreme power variations.
- Robust base



INDUSTRIAL ...FACTS

INDUSTRIAL Series screw compressors offer a complete package ranging from 75kW to 250kW with a pressure range from 8 Bar to 13 Bar. INDUSTRIAL 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.



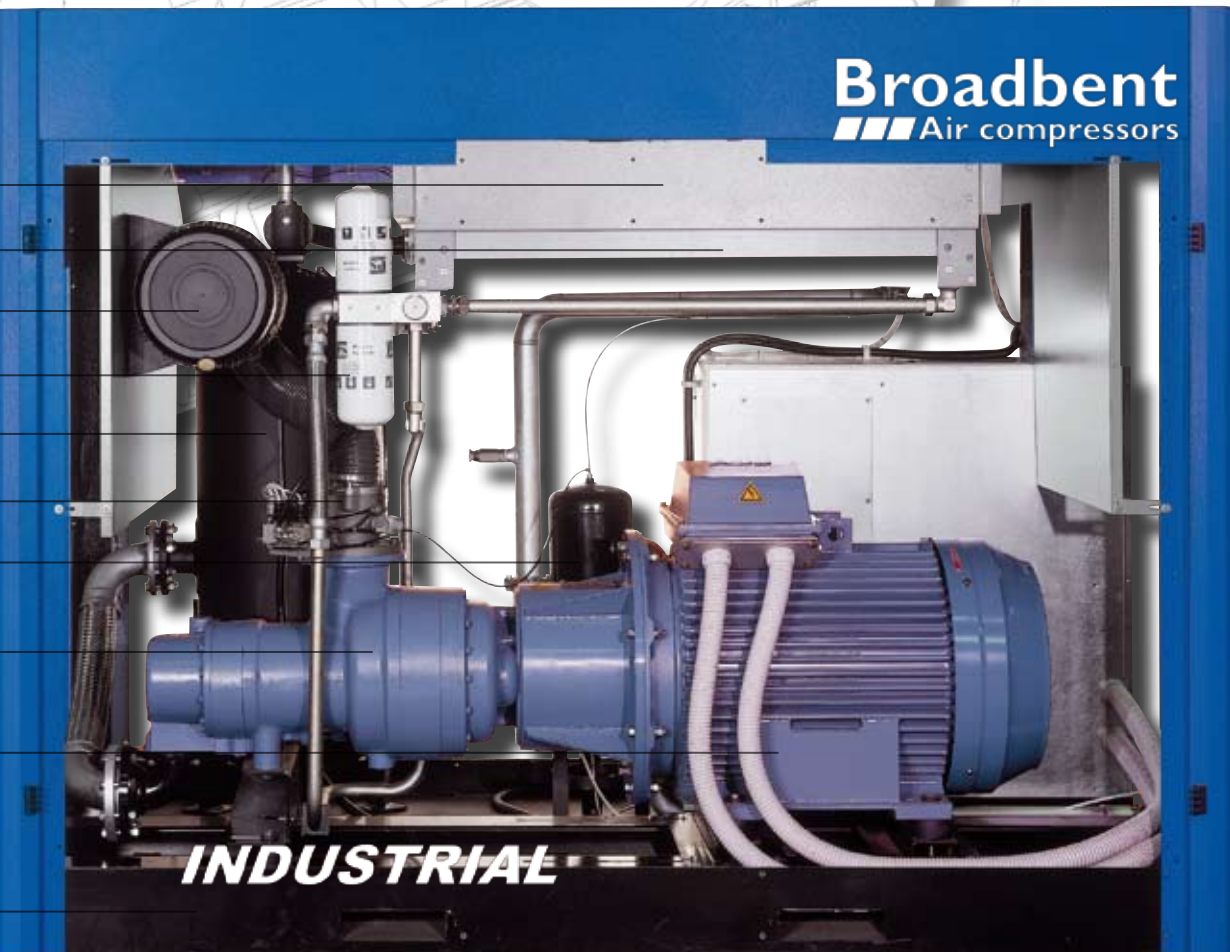
CONTROLLER

- Operator friendly controller
- Simple display
- Canbus control for up to 6 units
- Auto start function
- Remote function
- Fault diagnostic panel
- Programmable maintenance

DRIVE SYSTEM

The direct drive system extends operating life to the compressor and maximises the energy from the motor to the air end. The installation of a heavy duty coupling between the motor and air end extends the service life and guarantees drive efficiency of 99.9% maximising the kW of the electric motor ensuring lower operating costs

c air end
ife



European made for Australia

INDUSTRIAL 75 - 250 Series

Model	Max Pressure		F.A.D.		Power kW	Noise lev. dB(A)	Weight Kg	Dimensions LxWxH (mm)	
	bar max	Psig max	m ³ /min	CFM					
INDUSTRIAL 75-7,5	7,5	109	13,4	475	75	74	2050	2380x1300x1780	
INDUSTRIAL 75-10	10	145	11,6	411					
INDUSTRIAL 75-13	13	175	9,9	351					
INDUSTRIAL 90-7,5	7,5	109	15,9	564	90	75	2200		
INDUSTRIAL 90-10	10	145	13,4	475					
INDUSTRIAL 90-13	13	175	11,6	411					
INDUSTRIAL 110-7,5	7,5	109	18,7	670	110	74	3240		
INDUSTRIAL 110-10	10	145	16,3	577					
INDUSTRIAL 110-13	13	175	13,9	492					
INDUSTRIAL 132-7,5	7,5	109	23,4	830	132	74	3300	2900x1550x2150	
INDUSTRIAL 132-10	10	145	19,9	706					
INDUSTRIAL 132-13	13	175	16,3	576					
INDUSTRIAL 160-7,5	7,5	109	26,8	951	160	75	3500		
INDUSTRIAL 160-10	10	145	23,4	830					
INDUSTRIAL 160-13	13	175	19,9	706					
INDUSTRIAL 200-7,5	7,5	109	34,8	1224	200	75	4250		
INDUSTRIAL 200-10	10	145	28,8	1022					
INDUSTRIAL 200-13	13	175	24,4	866					
INDUSTRIAL 250-7,5	7,5	109	40,5	1424	250	76	4450		3300x2100x2155
INDUSTRIAL 250-10	10	145	36,8	1224					
INDUSTRIAL 250-13	13	175	28,8	1022					

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
 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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