



INDUSTRIAL

ROTARY SCREW
COMPRESSORS



kW 7,5 - 11 - 15 - 18.5 - 22
bar 8 - 10 - 13

Broadbent
Air compressors
A Division of Anest Iwata Australia

The INDUSTRIAL series has been designed to operate in the most demanding of conditions. They are supplied with an integrated Dryer and Filtration system or without. Low running costs, high air output and a heavy duty drive system from the electric motor to the air end allows for low maintenance 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 four compressors from one common control panel. Functions of the control panel give the compressors the ability to be individually programmed to meet the exact workplace requirements, minimising operating costs.

The advanced controllers fitted to the INDUSTRIAL range have been specifically developed to guarantee optimum monitoring and regulation of the compressor's operation, allowing flexibility and full programming of the complete compressed air station for maximum efficiency and safety.



ELECTRONIC CONTROLLER

Controller with multi-function and multi-language backlight LCD graphic display, the menu is drop down type.

In the main screen are displayed:

- Working pressure (offload/load);
- Oil temperature;
- Compressor status (stand-by, offload, load);
- Fan status (off/on);
- Date and time;
- Hours remaining before maintenance;

MASTER/SLAVE FUNCTION

It is possible to connect up to 4 compressors for managing distribution of the workload in such a way to equalize the hours dynamically changing set of pressures of the various compressors.

OPTIONAL EXPANSION MODULE*

GSM/GPRS/Ethernet/WiFi module (for on-line compressor status, remote assistance, connection with PC, Smartphone and Tablet, connection between neighbour compressors).

**on request*



PS 26TF AND PS 50TF AIR-ENDS

High efficiency, premium performance air-end, ensure low maintenance and a long life service.

7.5-22 Series Standard and Fully Featured

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INDUSTRIAL DRY Series screw compressors with integrated refrigeration dryer and 2 filters offer a complete package ranging from 7.5kW to 22kW with a pressure range from 8 Bar to 13 Bar, producing clean oil free air supply to 0.1 mg/m³/min and a pressure dew point of +3°C. 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.



SPIN-ON FILTERS

The oil filter and separator filter, both spin-on type, ensure maximum efficiency and simple maintenance.

MINIMUM PRESSURE VALVE

The advanced design and high quality of engineering results in maximum reliability and increased air delivery in all operating conditions.

BELT-DRIVEN TRANSMISSION AND BELT PROTECTION SYSTEM

The POLY-V belt-drive ensures significantly lower power losses and three times the service life compared to standard range "V" type belts fitted to other compressors on the market. Belt tensioning is carried out through a slider system.



INTAKE REGULATOR

The highly reliable and robust electropneumatic system adjusts the compressors operation to guarantee minimum pressure when idle running and provide maximum energy saving upon start-up. All this translates into an optimal energy cost/performance formula.



THERMOSTATIC VALVE

The thermostatic valve regulates the oil temperature, preventing the formation of condensation inside the oil-separator vessel.



COOLING AIR PREFILTRATION PANEL

The standard pre-filtering and washable panel filter assists in keeping the inside of the machine clean and ensures ease of maintenance and cooler operation.



HEAT EXCHANGER

The large combined heat exchanger ensures that the machine operates within the optimum temperature band. The resulting lower temperature of the delivered compressed air means that the condensation can be removed more easily and ensuring the efficient operation of the refrigerated dryer. The lower oil temperature reduces wear and improves energy efficiency.



DRYER AND FILTERS

The INDUSTRIAL DRY range features a fully integrated and complete air treatment module including a refrigerated air dryer and both inlet and outlet high efficiency filters.

COOLING SYSTEM

The thermostatically controlled centrifugal fans are activated automatically by means of the electronic controller.

This allows the machine to quickly reach and maintain the ideal operating temperature. The fan is protected by a safety guard ensuring maximum operator security and at the same time meeting all international standards.



INDUSTRIAL SERIES

Model	Power		F.A.D			Max. Pressure		Sound level	Connection	Net Weights		Net Dimensions L x W x H
	kW	HP	m³/min.	m³/h	CFM	bar	p.s.i.	dB(A)	G	Kg	Lbs	(cm)
INDUSTRIAL												
INDUSTRIAL 7.5-08	7.5	10	1.25	75	44.1	8	116	62	3/4"	240	529	120 x 70 x 100
INDUSTRIAL 7.5-10	7.5	10	1.00	60	35.3	10	145	62	3/4"	240	529	120 x 70 x 100
INDUSTRIAL 7.5-13	7.5	10	0.75	45	26.5	13	188	62	3/4"	240	529	120 x 70 x 100
INDUSTRIAL 11-08	11	15	1.65	99	58.2	8	116	63	3/4"	254	560	120 x 70 x 100
INDUSTRIAL 11-10	11	15	1.50	90	53	10	145	63	3/4"	254	560	120 x 70 x 100
INDUSTRIAL 11-13	11	15	1.15	69	40.6	13	188	63	3/4"	254	560	120 x 70 x 100
INDUSTRIAL 15-08	15	20	2.15	129	75.9	8	116	64	3/4"	280	617	120 x 70 x 100
INDUSTRIAL 15-10	15	20	1.85	111	65.3	10	145	64	3/4"	280	617	120 x 70 x 100
INDUSTRIAL 15-13	15	20	1.55	93	54.7	13	188	64	3/4"	280	617	120 x 70 x 100
INDUSTRIAL 18.5-08	18.5	25	2.70	162	95.3	8	116	70	3/4"	398	877	151 x 73 x 108
INDUSTRIAL 18.5-10	18.5	25	2.50	150	88.3	10	145	70	3/4"	398	877	151 x 73 x 108
INDUSTRIAL 18.5-13	18.5	25	2.05	123	72.4	13	188	70	3/4"	398	877	151 x 73 x 108
INDUSTRIAL 22-08	22	30	3.35	201	118.3	8	116	71	3/4"	418	922	151 x 73 x 108
INDUSTRIAL 22-10	22	30	3.00	180	105.9	10	145	71	3/4"	418	922	151 x 73 x 108
INDUSTRIAL 22-13	22	30	2.40	144	84.7	13	188	71	3/4"	418	922	151 x 73 x 108
INDUSTRIAL DRY												
INDUSTRIAL DRY 7.5-08	7.5	10	1.25	75	44.1	8	116	62	3/4"	261	576	120 x 70 x 100
INDUSTRIAL DRY 7.5-10	7.5	10	1.00	60	35.3	10	145	62	3/4"	261	576	120 x 70 x 100
INDUSTRIAL DRY 7.5-13	7.5	10	0.75	45	26.5	13	188	62	3/4"	261	576	120 x 70 x 100
INDUSTRIAL DRY 11-08	11	15	1.65	99	58.2	8	116	63	3/4"	285	628	120 x 70 x 100
INDUSTRIAL DRY 11-10	11	15	1.50	90	53	10	145	63	3/4"	285	628	120 x 70 x 100
INDUSTRIAL DRY 11-13	11	15	1.15	69	40.6	13	188	63	3/4"	285	628	120 x 70 x 100
INDUSTRIAL DRY 15-08	15	20	2.15	129	75.9	8	116	64	3/4"	311	686	120 x 70 x 100
INDUSTRIAL DRY 15-10	15	20	1.85	111	65.3	10	145	64	3/4"	311	686	120 x 70 x 100
INDUSTRIAL DRY 15-13	15	20	1.55	93	54.7	13	188	64	3/4"	311	686	120 x 70 x 100
INDUSTRIAL DRY 18.5-08	18.5	25	2.70	162	95.3	8	116	70	3/4"	443	977	151 x 73 x 108
INDUSTRIAL DRY 18.5-10	18.5	25	2.50	150	88.3	10	145	70	3/4"	443	977	151 x 73 x 108
INDUSTRIAL DRY 18.5-13	18.5	25	2.05	123	72.4	13	188	70	3/4"	443	977	151 x 73 x 108
INDUSTRIAL DRY 22-08	22	30	3.35	201	118.3	8	116	71	3/4"	463	1021	151 x 73 x 108
INDUSTRIAL DRY 22-10	22	30	3.00	180	105.9	10	145	71	3/4"	463	1021	151 x 73 x 108
INDUSTRIAL DRY 22-13	22	30	2.40	144	84.7	13	188	71	3/4"	463	1021	151 x 73 x 108

The air flow rates have been measured at the following working pressures: 7.5 bar for model 8 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.