



INDUSTRIAL MK2

ROTARY SCREW
COMPRESSORS



kW 30 - 90

bar 7.5 - 10 - 13

Broadbent
Air compressors
A Division of Anest Iwata Australia

The INDUSTRIAL MK2 series have 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 MK2 Series (30-90 kW) offers a micro processor with a capability to operate up to 4 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.



DNAir2 CONTROLLER

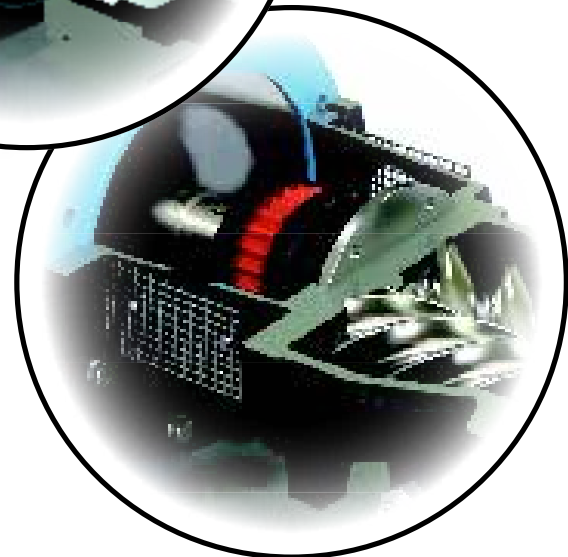
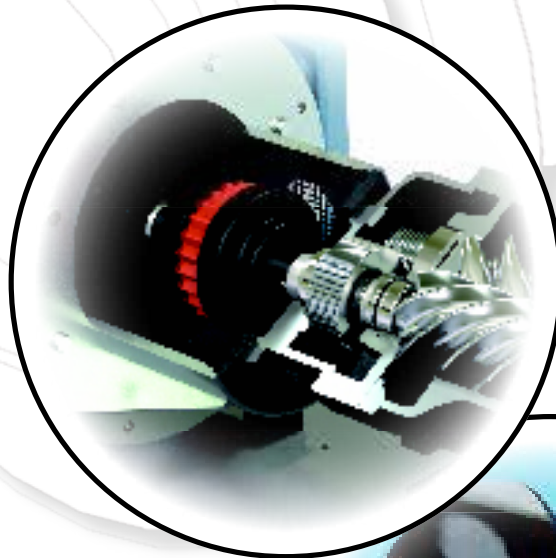
The innovative DNAir2 controller is utilised on all INDUSTRIAL MK2 models. Specially designed for simple and flexible programming, it adjusts and controls the operation of the compressor, guaranteeing its efficiency and safety. The user-friendly interface consists of a large backlit LCD display, with simple and clearly understood icons.

All commands and functions are accessed easily using multilingual drop-down menus.

It is possible for up to 4 compressors to be connected simultaneously. The controller software provides the ability to balance each machine's operating hours and at the same time the pre-set pressure values are rotated along with the machine sequence.

10 REASONS TO CHOOSE THE INDUSTRIAL

1. German manufactured air-end.
2. Micro Processor
3. Efficiency class IE3 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 or gear drive
10. Integrated condensate drain



HIGH QUALITY COMPRESSED AIR TREATMENT

The INDUSTRIAL series models from 30 up to 55 kW are optionally available with integrated refrigerated dryer (Dew point +3°C) ensuring high quality compressed air, improving operating efficiency and providing improved final product quality, and approved efficiency.

30 - 90 kW

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INDUSTRIAL MK2 Series screw compressors offer a complete package ranging from 30kW to 90kW supplying 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 COOLING

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

DRIVE SYSTEM

The direct or gear 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



INDUSTRIAL MK2 Series

30-90 kW

Model	Max. Pressure		F.A.D		Power	Noise level	Weight	Net Dimensions
	bar	Psig	m ³ /min.	CFM	[kW-Hp] nom	dB(A)	Kg	L x W x H (mm)
INDUSTRIAL MK2 30-7.5	7.5	109	4.85	171	30 - 40	68	1100	1800 x 1160 x 1780
INDUSTRIAL MK2 30-10	10	145	4.30	152				
INDUSTRIAL MK2 37-7.5	7.5	109	6.6	233	37 - 50	70	1190	1800 x 1160 x 1780
INDUSTRIAL MK2 37-10	10	145	5.2	184				
INDUSTRIAL MK2 37-13	13	188	4.65	164				
INDUSTRIAL MK2 45-7.5	7.5	109	8.2	290	45 - 60	72	1355	1920 x 1420 x 1880
INDUSTRIAL MK2 45-10	10	145	6.7	237				
INDUSTRIAL MK2 55-7.5	7.5	109	10.1	357	55 - 75	72	1355	1920 x 1420 x 1880
INDUSTRIAL MK2 55-10	10	145	8.3	293				
INDUSTRIAL MK2 55-13	13	189	6.5	230				
INDUSTRIAL MK2 75-7.5	7.5	109	12.6	445	75 - 100	69	2940	2560 x 1660 x 2230
INDUSTRIAL MK2 75-10	10	145	10.5	371				
INDUSTRIAL MK2 75-13	13	189	8.7	307				
INDUSTRIAL MK2 76-7.5	7.5	109	13.5	477	75 - 100	67	2975	2560 x 1660 x 2230
INDUSTRIAL MK2 76-10	10	145	11.7	413				
INDUSTRIAL MK2 76-13	13	189	9.7	343				
INDUSTRIAL MK2 90-7.5	7.5	109	15.9	562	90 - 125	67	3040	2560 x 1660 x 2230
INDUSTRIAL MK2 90-10	10	145	13.4	473				
INDUSTRIAL MK2 90-13	13	189	10.4	367				

Technical specifications subject to change without notice - Broadcom - 500 - Cod. 9041507 - 07/2015

Reference conditions: air intake temperature 20°C (68°F) - atmospheric pressure 1 bar (14.5 psig).

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 measured in accordance with standard ISO 1217. The sound level was measured in accordance with ISO 3744 standards.

AIR TANKS

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