

factair

BA60D Mk II Mobile Breathing Air Compressor



The BA60D Mk II is Factair's premiere mobile breathing-air compressor. Producing 1700 l/min (60 cfm) the unit has been designed for applications where multiple users need a breathing-air supply and for RPE which has high airflow requirements. This makes it ideal for work on petrochemical sites and nuclear decommissioning projects and wherever there is a breathing-air requirement for an extended duration.

The BA60D unit is a fast towing trailer mounted unit incorporating a Deutz diesel engine, driving an Atlas Copco rotary screw compressor. The self-contained unit produces breathing-air to a quality exceeding the criteria laid down in BS EN12021. It also incorporates the Factair fully automatic back-up system, which in the event of a failure of the primary supply, activates audible and visual alarms and switches to air stored in high-pressure cylinders. The unit is enclosed within a steel canopy, which allows the correct airflow and access to all necessary parts for both running and service.

The BA60D is also sound attenuated to ensure that the noise level is compliant with the EC2000/14/EC directive i.e. less than 98LWA. The unit also incorporates a spillage free frame to contain all fluid so no oil, fuel or coolant can leak directly on the ground.

Eight regulated CEJN outlets are provided for positive pressure facemasks and 2 Dynaquip outlets allow remote distribution cabinets to be connected.

A range of options is available for the BA60D including gas monitoring, membrane dryers and pressure swing dryers complete with CO and CO₂ removal.



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Control Panel



Breathing-Air Outlets

Technical Data

COMPRESSOR	-	Atlas Copco XAHS37Dd							
ENGINE	-	Deutz F2M2011 · oil-cooled · 2-cylinder diesel (low oil pressure high oil temperature shutdown protected)							
COMPRESSOR	-	Atlas Copco - oil injected · rotary screw							
AFTERCOOLER	-	Outlet temperature within 5°C of ambient							
FILTRATION	-	Purifies air to breathing quality conforming to BS EN 12021							
CHASSIS	-	To full EEC regulations including brakes							
TOWING HITCH	-	50 mm ball or ring							
BATTERY	-	12 volt DC – Negative earth. Earth bonding point on drawbar							
NOISE LEVEL	-	<98 LWA. (Better than 78dBA @ 4 metres)							
STANDARD FEATURES	-	Chalwyn engine overspeed valve · Lifting eye · Spark arrestor · Jockey wheel · High-level air intake · Hours run meter · Centralised Controls · Fully automatic 'fail-safe' reserve from high-pressure cylinders with start up protection · Engine shut-down activated by either high temperature compressor oil or low engine oil pressure							
GAUGES SHOW	-	HP cylinder pressure · Differential pressure · Compressor Pressure, System pressure · Regulated pressure x 2							
LAMPS SHOW	-	Alarm Type – Engine / Compressor Fault, HP alarm, LP alarm							
AUDIBLE ALARMS	-	Primary air supply failure · Reserve pressure low							
VISUAL INDICATOR	-	Shows changeover to HP reserves							
OUTLETS	-	8 off CEJN couplings (or alternatives) and 2 off 3/4" Dynaquip couplings							
WASTES	-	Central tray for all oil/diesel drainage and spillage. All discharges from filter autodrain are gathered into a container for proper disposal							
QUALITY	-	The BA60D MKII is manufactured in accordance with our Quality Assurance Procedures approved to ISO9001/EN29001							
2 CYLINDER OIL COOLED DIESEL	FUEL CAPACITY Litres hrs	FREE AIR DELD. at 7 BAR / 100 psi l/min cfm	WORKING PRESSURE		HP CYLINDER CAPACITY LITRES	DIMENSIONS (approx)			
			Bar	psi		LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT Kg
21.6 kW at 2400 RPM	Approx 40 8	1700 60	8	115	1800 each x 8	3000	1390	1240	1180

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