



DIVEX

Manufacturers of Quality Diving Equipment



DIVEX KAP 18.5/KAP 22.0

Charging rate:

KAP18.5 - 520 L/min (18.5cfm)

KAP22.0-630 L/min (22 cfm)

240 or 330 Bar outlet pressure

Bauer P61 Filtration

Electric or Diesel drive

THE DIVEX KAP18.5 AND KAP22.0 are heavy duty breathing air compressors utilising the Bauer radial design which has been proven throughout the world in extremes of heat and cold for many years.

The design features an independent cylinder for each stage of compression and there is no direct heat transfer from one cylinder to another. The use of over-sized interstage and final air coolers, in combination with the compressor shaft driven fan, cools the compressed air to within just a few degrees of ambient temperature. The temperature of the discharged air will be approximately 10° C above that of the inlet air. Operating reliability is substantially increased because of the low thermal load on the valves. Standard operating range of the compressor is from +5°C to +50°C.

The **Bauer P61 Filter System** fitted to this compressor purifies and dries the delivered air to the standards specified in DIN EN 12021 for breathing air. It consists of an

oil and water separator with micro-filter insert, non-return valve, final pressure safety valve and filter tower which is fitted with a purifier/dryer cartridge. In addition the tower is fitted with a pressure-maintaining valve to ensure that the filter system always operates at the optimum pressure for maximum efficiency and cartridge life, together with a non-return valve and vent valve. The filter cartridge used in electrically driven compressors uses Molecular sieve / Activated charcoal / Molecular sieve as the filter medium, whilst those driven by diesel engines has the addition of the catalyst Hopcalite to protect against possible air contamination by carbon monoxide from the engine exhaust. Diesel driven compressors are also provided with a 3 metre long intake hose extension to ensure that air for compression is taken in a safe distance from the engine exhaust.

The compressors are driven by vee belt from either an electric motor with standard voltage of 415/3/50Hz and controlled by direct on line starter, or a Lister air cooled

diesel engine with battery starting system and alternator. Both types of drive are fitted with easily adjustable belt-tensioning device. All moving parts are suitably protected as required by current legislation to ensure operator safety.

The standard filling panel is built into the frame at one end of the compressor and is complete with three x 1 metre long charging hose assemblies, each with an isolating valve, cylinder connector and purge valve. A single oil-filled pressure gauge is mounted in the panel to monitor charging pressure. Compressors for 240 Bar service are fitted with 5/8" BSP DIN connectors with yoke adaptors to fit A-clamp type cylinder valves, whilst for 330 Bar service only 300 Bar 5/8" BSP DIN connectors are provided.

DIVEX KAP 18.5 LISTER DIESEL

ORDER CODE BAK11D01

DIVEX KAP 22 LISTER DIESEL

ORDER CODE BAK15D01

DIVEX KAP 18.5 THREE PHASE ELECTRIC

ORDER CODE BAK11E01

DIVEX KAP 22 THREE PHASE ELECTRIC

ORDER CODE BAK15E01

Specification

	KAP 18.5	KAP 22
Dimensions:	Length - 140 cm Width - 75cm Height - 86cm	Length - 140 cm Width - 75cm Height - 86cm
Weight:	335 kg - 3 Phase Electric 490kg - Diesel	342 kg - 3 Phase Electric 500 kg - Diesel
Charging rate:	520 l/min (18.5 cfm)	630 l/min
Outlet pressure:	240 or 330 Bar (specify)	240 or 330 Bar (specify)
Drive motors:	11 kW TEFV motor, DOL starter (3 phase) 13.1 kW Lister diesel engine (battery start)	15 kW TEFV motor, DOL starter (3 phase) 16 kW diesel engine (battery start)

Technical Data

Compressor Block

With micronic type inlet filter, intercoolers, aftercooler, interstage separator, interpressure safety valves.

Diesel model has a 3 metre long air intake hose to ensure air for compression is taken from a safe distance from the engine exhaust.

The electric drive model will be delivered with a Direct on Line push-button starter for wiring into a suitable power supply.

Filtration

The **P61 Filter System** is complete with long-life cartridge, pressure maintaining valve (to ensure that the filter system always operates at optimum pressure for maximum efficiency) and a final safety valve.

Filling Assembly

Three filling hoses, 1 metre long, fitted with either DIN/A-clamp cylinder connectors on 240 bar units or 5/8" BSP DIN for 330 bar service. Both types have automatic vent valves.

Options

- (a) Automatic timed condensate drainage system
- (b) High pressure cut-out switch (electric models)
- (c) SECURUS filter control system
- (d) Auto control for use with storage systems (electric models)
- (e) Wall mounted charging panel
- (f) Hours-run recorder
- (g) Star Delta Starter (electric models)
- (h) HP storage bank system

Consumables and Spares

BA058826-410	P61 Filter Cartridge (electric models only)
BA060037-410	P61 Filter Cartridge with Hopcalite for diesel engines
BAN03029	Intake Filter Cartridge
TBA	Wedge Belt (Electric)
TBA	Wedge Belt (Diesel)
BAN22138-1	Shell Corena P150 compressor oil (1 litre)
BAN22138-5	Shell Corena P150 compressor oil (5 litres)



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