

## DIVE LINE COMPRESSOR SYSTEMS

**PE-100****JUNIOR II****OCEANUS**

### Features a 5-year System and 10-year Block Warranty

The compressor models shown in this brochure and their electrical controls are registered under CSA and certified accordingly. Changes to any of the electrical controls or components will void the existing CSA certification. A Special Inspection will need to be performed by CSA to certify any custom compressor package. Please consult a Jordair representative for CSA Special Inspection pricing.

Please consult a Jordair representative for a breakdown of all additional costs that may be incurred on a custom compressor.

**Jordair breathing air compressors and filter systems meet or exceed the latest CSA standard CAN/CSA-Z180.1-19**

Updated Jan-2026

## 4500 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR POWER	MOTOR TYPE	FILTRATION SYSTEM & CAPACITY*		WEIGHT	SIZE (CM) H x D x W
PE-100-1E	4.7 SCFM	3.0 HP	Single Phase Electric	P11	4250 FT <sup>3</sup>	100 LBS	16.5" x 15.5" x 26"
PE-100-3E	4.7 SCFM	3.0 HP	Three Phase Electric	P11	4250 FT <sup>3</sup>	100 LBS	16.5" x 15.5" x 26"
PE-100-G	4.7 SCFM	5.5 HP	Pull-Start Gas Engine	P11	4250 FT <sup>3</sup>	100 LBS	16.5" x 15.5" x 26"
JUNIOR II-1E	4.7 SCFM	3.0 HP	Single Phase Electric	P21	4250 FT <sup>3</sup>	100 LBS	16.5" x 15.5" x 26"
JUNIOR II-3E	4.7 SCFM	3.0 HP	Three Phase Electric	P21	4250 FT <sup>3</sup>	100 LBS	16.5" x 15.5" x 26"
JUNIOR II-G	4.7 SCFM	5.5 HP	Pull-Start Gas Engine	P21	4250 FT <sup>3</sup>	100 LBS	16.5" x 15.5" x 26"
OCEANUS-1E	6.7 SCFM	5.0 HP	Single Phase Electric	P21	4250 FT <sup>3</sup>	115 LBS	16.5" x 15.5" x 26"
OCEANUS-G	6.7 SCFM	5.5 HP	Pull-Start Gas Engine	P21	4250 FT <sup>3</sup>	115 LBS	16.5" x 15.5" x 26"
IK100-G	8.4 SCFM	5.5 HP	Pull-Start Gas Engine	JBP11	21,800 FT <sup>3</sup>	220 LBS	31" x 28" x 50"
IK120-G	12.7 SCFM	9.0 HP	Pull-Start Gas Engine	JBP11	21,800 FT <sup>3</sup>	250 LBS	31" x 28" x 50"

\* Filter Capacity is based on 20°C; for a 10°C increase in temperature decrease capacity by 50%

Weights and Sizes are approximate and are subject to change without notice. For exact weights and dimensions please consult a Jordair representative.

## TECHNICAL DATA

### STANDARD COMPRESSOR FEATURES

These are basic compressor packages that come standard with a Bauer standard frame, drive motor, oil and water separator/purifier, manual condensate drain valves, 1 x fill hose and final stage pressure relief valve and gauge. These models DO NOT include any electrical controls, inter-stage pressure gauges or auto drain system.

Starting and stopping the compressor, draining the separators and monitoring oil pressure and air temperature are left to the customer. Please see the Compressor Upgrade Options section to add available options.

The IK100 and IK120 gas units are supplied only with a pull start Honda gas engine with a single fill whip. If added items such as electric start are required, please refer to the ECO-KAT price list.

### CAPACITY CALCULATIONS

Compressor Flow Rate, or "Charge Rate", is based on filling an 88 cubic (ft<sup>3</sup>) SCBA cylinder from 1100 to 4500 PSIG. Technical specifications are subject to change without notice.

### FILTRATION SYSTEM DESCRIPTION

<b>P11/P21</b>	Consists of an oil and water separator and filter combo tower (59183 drying, oil and CO removal cartridge is supplied within the standard scope of supply)
<b>JBP11-7300-6</b>	Consists of an oil and water separator and check valve with a separate filter tower. (FC-1008-SE & 58821)

### ORDERING INFORMATION

Single Phase Voltages Available: (-1E) 208V, 230V

Three Phase Voltages Available: (-3E) 208V, 230V, 460V, 575V

When placing an order, add the voltage at the end of the model number (eg. JUNIOR II-1E-230V)

**When ordering the Dive Line compressors please specify the fill connection type:**

SCBA 2216 PSI, SCBA 4500 PSI, SCUBA 3000 PSI, DIN 200 Bar, or DIN 300 Bar

## COMPRESSOR UPGRADE OPTIONS

### MOTOR STARTER AND ELECTRIC:

<b>J-E-STARTERBOX-C-3-1</b>	Motor starter and electrical box assembly - 3 HP, 1 Phase
<b>J-E-STARTERBOX-C-3-3</b>	Motor starter and electrical box assembly - 3 HP, 3 Phase
<b>J-E-STARTERBOX-C-5-1</b>	Motor starter and electrical box assembly - 5 HP, 1 Phase
<b>J-E-STARTERBOX-C-5-3</b>	Motor starter and electrical box assembly - 5 HP, 3 Phase
<b>J-E-KIT-SWITCH-FINAL-1</b>	Final Pressure Switch, 600-6000 PSI
<b>J-E-PSW-1-1450-4400-4</b>	Final Pressure Switch, Adjustable, 1450-4400 PSI - For Gas Drive Models
<b>J-E-KIT-SWITCH-FITTINGS</b>	Fittings to add a pressure switch

### B-TIMER - N27286

*(For Junior and Oceanus models only)*



The BAUER B-TIMER consists of a sensor and hour meter that operate automatically while the compressor starts and stops. The display accurately indicates the remaining time before the cartridge becomes fully saturated and requires replacement. The B-TIMER is dust & splash-proof, insensitive to salt, solar radiation, high humidity, and sand.

## COMPRESSOR SERVICE PARTS

### For PE Model

QTY	Part Name	Part Number
1	Inlet Filter	N4823
1	Filter Cartridge	59183
1	O-ring	N26701
1	Synthetic Oil 1 Litre	J-C751-1

### For Junior, Oceanus Models

QTY	Part Name	Part Number
1	Inlet Filter	N4823
1	Filter Cartridge	59183
1	O-ring	N4586
1	Synthetic Oil 1 Litre	J-C751-1

### For IK100, IK120 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N25950
1	Filter Cartridge	67224
1	Separator Element	FC-1008-SE
4	Filter/Separator O-Ring	J-OR-2-334
4	Filter/Separator Backup Ring	J-OR-8-334
1	Synthetic Oil 4 Litres	J-C751-4

## COMPRESSOR BLOCK TECHNICAL DATA

### 4500 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	kW	
<b>PE-100</b>	2350 RPM	4.7 SCFM	3	3.0	2.2	4500 PSIG
<b>JUNIOR</b>	2350 RPM	4.7 SCFM	3	3.0	2.2	4500 PSIG
<b>OCEANUS</b>	2350 RPM	6.7 SCFM	3	5.0	3.6	4500 PSIG
<b>IK100</b>	1400 RPM	8.4 SCFM	3	5.0	3.6	5300 PSIG
<b>IK120</b>	1600 RPM	12.7 SCFM	3	7.5	5.2	5300 PSIG

## BAUER COMPRESSOR BLOCK FEATURES

- High velocity, full flow cooling fan assembly that produces high velocity airflow over the coolers, pressure cylinders and crankcase to cool the compressed air and lubricating oil.
- Drive gear designed for an operating life of up to 30,000 hours.
- Stainless steel inter and after-coolers for high efficiency cooling and corrosion free operation.
- Cylinders are hardened through a plasma-nitrate process for up to 10,000 hours of operating life and low wear with excellent lubricating oil retention.
- Redesigned rings for the HP piston are synthetic material for low wear and a long operating life with very little oil carry over.
- Single-piece crankcase made of a high strength aluminum alloy for higher stability, larger oil capacity, and low vibration.
- Full flow oil system with a crankshaft-driven gear pump and full flow oil filter.
- Visual oil level indicator is designed show the accurate oil level.
- New reed valve on the first stage which offers higher efficiency and redesigned intake filter reduces intake valve noise.
- New final stage oil cooled cylinder and cylinder-head for lower air discharge temperature.

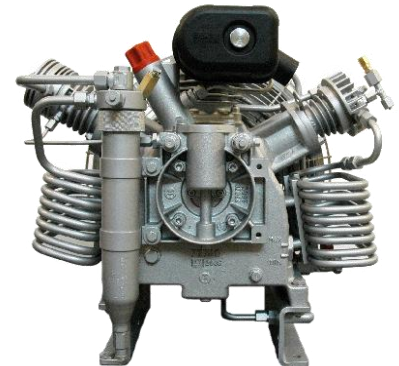
**PE-100 / JUNIOR II**



**OCEANUS**



**IK100, IK100-420**



**NOTE:** Jordair reserves the right to change models or scope of supply at its own discretion and without notice; obtaining current factory technical product descriptions is recommended