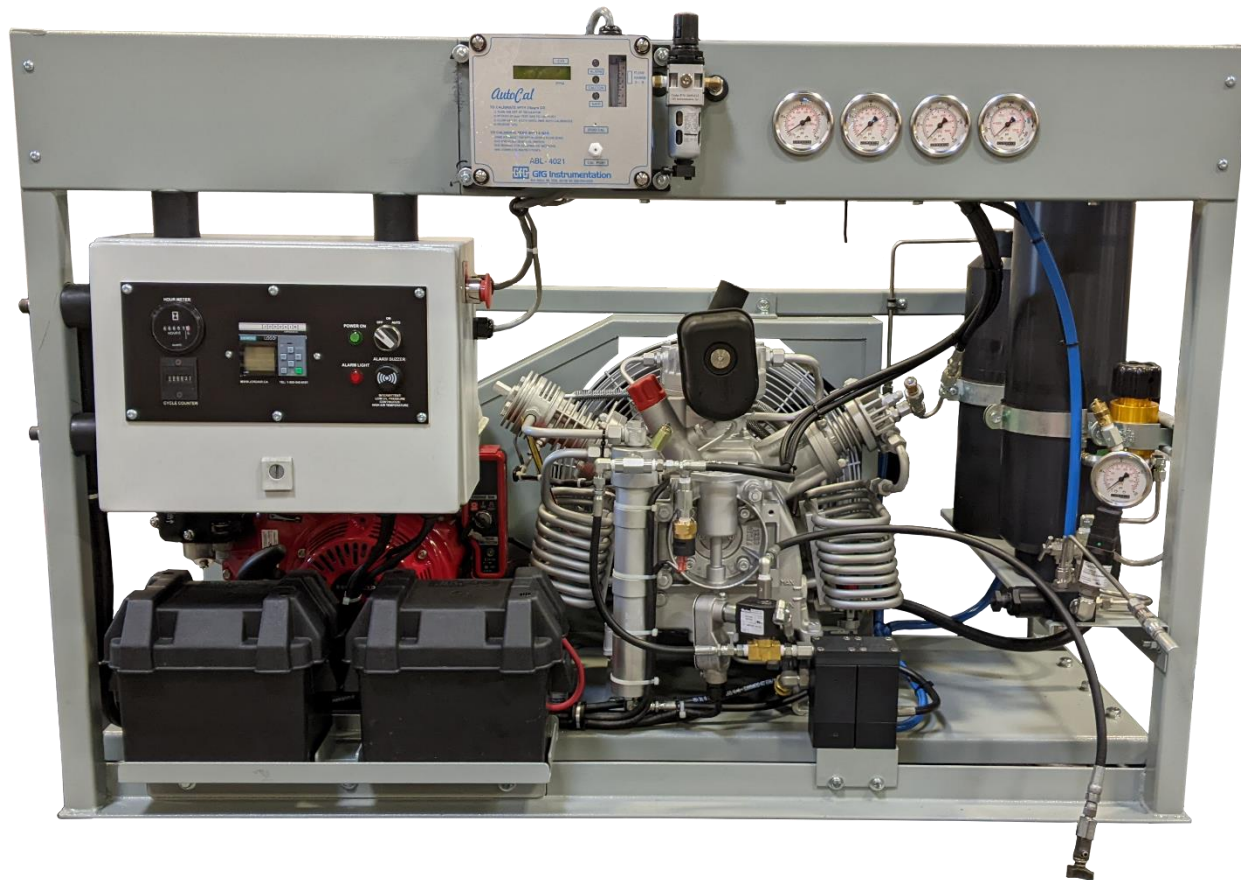


ECO-KAT HORIZONTAL COMPRESSOR SYSTEMS FOR 2022



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

Jordair QC Program

- ISO 9001:2015 Cert. FM664273
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

System Features:

- Balanced Design
- Low Noise
- 35 Year Filter Chambers
- Extended Cartridge Life

Block Features:

- Low Oil Consumption
- Oil Filter Cartridge
- High Tech HP Piston
- Heavy Duty Crank

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

5300 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	FILTRATION SYSTEM & CAPACITY*		WEIGHT	SIZE (CM) H x D x W
ECO-KAT5-100-1E	8.4 SCFM	5.0 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT5-100-3E	8.4 SCFM	5.0 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT5-100-G	8.4 SCFM	6.5 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT5-100-D	8.4 SCFM	6.0 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT5-120-1E	12.7 SCFM	7.5 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-120-3E	12.7 SCFM	7.5 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-120-G	12.7 SCFM	9.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-120-D	12.7 SCFM	8.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-121-1E	14.3 SCFM	10.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-121-3E	14.3 SCFM	10.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-121-G	14.3 SCFM	13.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-121-D	14.3 SCFM	12.5 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT5-1214-1E	16.3 SCFM	10.0 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT5-1214-3E	16.3 SCFM	10.0 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT5-1214-G	16.3 SCFM	13.0 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT5-1214-D	16.3 SCFM	12.5 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT5-151-3E	26.2 SCFM	15.0 HP	JBP61-7300-6	79,000 FT ³	380 KG	93 x 102 x 169
ECO-KAT5-151-D	26.2 SCFM	18.8 HP	JBP61-7300-6	79,000 FT ³	380 KG	93 x 102 x 169
ECO-KAT5-150-3E	33.8 SCFM	15.0 HP	JBP61-7300-6	79,000 FT ³	380 KG	93 x 102 x 169
ECO-KAT5-150-D	33.8 SCFM	18.8 HP	JBP61-7300-6	79,000 FT ³	380 KG	93 x 102 x 169
ECO-KAT5-180-3E	38.5 SCFM	20.0 HP	JBP81-7300-6	186,000 FT ³	400 KG	93 x 102 x 169
ECO-KAT5-180-D	38.5 SCFM	22.0 HP	JBP81-7300-6	186,000 FT ³	400 KG	93 x 102 x 169

All 5300 PSIG systems are supplied with the new Jordair 6500 PSIG filter system and protected with a 5250 PSIG relief valve.

6100 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	FILTRATION SYSTEM & CAPACITY*		WEIGHT	SIZE (CM) H x D x W
ECO-KAT6-100-1E	6.7 SCFM	5.0 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT6-100-3E	6.7 SCFM	5.0 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT6-100-G	6.7 SCFM	6.5 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT6-100-D	6.7 SCFM	6.0 HP	JBP41-7300-6	47,600 FT ³	102 KG	101 x 66 x 127
ECO-KAT6-120-1E	11.9 SCFM	7.5 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT6-120-3E	11.9 SCFM	7.5 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT6-120-G	11.9 SCFM	9.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT6-120-D	11.9 SCFM	8.0 HP	JBP41-7300-6	47,600 FT ³	135 KG	101 x 66 x 127
ECO-KAT6-1214-1E	16.3 SCFM	10.0 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT6-12140-3E	16.3 SCFM	10.0 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT6-1214-G	16.3 SCFM	13.0 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT6-1214-D	16.3 SCFM	12.5 HP	JBP41-7300-6	47,600 FT ³	154 KG	101 x 66 x 127
ECO-KAT6-181-3E	30.0 SCFM	20.0 HP	JBP81-7300-6	186,000 FT ³	400 KG	93 x 102 x 169
ECO-KAT6-181-D	30.0 SCFM	22.0 HP	JBP81-7300-6	186,000 FT ³	400 KG	93 x 102 x 169

All 6100 PSIG systems are supplied with the new Jordair 6500 PSIG filter system and protected with a 6500 PSIG relief valve.

7300 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	FILTRATION SYSTEM & CAPACITY*		WEIGHT	SIZE (CM) H x D x W
ECO-KAT7-1511-3E	23.9 SCFM	15 HP	JBP61-7300-6	79,000 FT ³	430 KG	138 x 82 x 92
ECO-KAT7-1511-D	23.9 SCFM	15 HP	JBP61-7300-6	79,000 FT ³	430 KG	138 x 82 x 92
ECO-KAT7-181-3E	30.0 SCFM	20 HP	JBP81-7300-6	186,000 FT ³	450 KG	138 x 82 x 92
ECO-KAT7-181-D	30.0 SCFM	20 HP	JBP81-7300-6	186,000 FT ³	450 KG	138 x 82 x 92

All 7300 PSIG systems are supplied with the new Jordair 7300 PSIG filter system and protected with a 7300 PSIG relief valve.

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

TECHNICAL DATA

STANDARD COMPRESSOR FEATURES

All ECO-KAT HORIZONTAL Series compressors are PLC controlled and run in automatic start modes, and include oil, inter-stage and discharge pressure gauges as well as an hour meter and "Power On" light. CO monitor, High air temperature and low oil pressure shut down alarms as well as inter-stage and final pressure relief valves protect the compressor and its components. Our compressors are designed to auto drain every 15 minutes into a silent collection system. Jordair's standard aluminum alloy filtration systems are all rated for 7300 PSIG* service and include an oil and water separator, check valve, purifier, pressure maintaining valve, manual drain valve and auto drain cycle counter.

Note: Units with a gas or diesel engine are supplied with a battery system and electric start.

CAPACITY CALCULATIONS

Compressor Flow Rate, or "Charge Rate", is based on filling a 88 cubic (ft³) SCBA cylinder from the alarm set point of 1550 PSIG to 4500 PSIG

Note: Technical specifications are subject to change without notice

FILTRATION SYSTEM DESCRIPTION

JBP41-7300-6	Consists of 1 x JS-7300-A-6-1008 Separator & 1 x JBF-7300-6-22 (67224, 22" Tower)
JBP61-7300-6	Consists of 1 x JS-7300-A-6-1008 Separator & 1 x JBF-7300-6-32 (58827, 32" Tower)
JBP81-7300-6	Consists of 1 x JS-7300-A-6-1008 Separator & 2 x JBF-7300-6-32 (58827, 58825, 32" Towers)
JBP91-7300-6	Consists of 1 x JS-7300-A-6-1008 Separator & 3 x JBF-7300-6-32 (58827, 58825 x 2, 32" Towers)

Note: All standard filtration systems use the FC-1008-SE separator element

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. CAPITANO6-140-1E-230V)

Standard production is 60Hz, consult the factory for 50 Hz requirements and other voltages

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

COMPRESSOR UPGRADE OPTIONS

COMPRESSOR FRAME COLOUR:

J-PCU Change compressor frame powder coating colour

CO & MOISTURE MONITORS:

J-E-COM-4021-K CO Monitor c/w Regulator

J-CALKIT-4021 CO Monitor Calibration Kit

N15096-C Securus Moisture Monitor Kit and Cap

COMPRESSOR FILTRATION SYSTEM:

JBF-7300-6-32-1U Upgrade from 1 x JBP-7300-6-24 Filter to 1 x JBP-7300-6-32

JBF-7300-6-32-2U Upgrade from 1 x JBP-7300-6-32 Filter to 2 x JBP-7300-6-32

JBF-7300-6-32-3U Upgrade from 2 x JBP-7300-6-32 Filter to 3 x JBP-7300-6-32

COMPRESSOR SERVICE PARTS LISTS

IK 100, 120, 121, 12, 1214 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N25950
1	Filter Cartridge	67224
1	*Securus Filter Cartridge	*61687
1	Separator Element	FC-1008-SE
4	Filter/Separator O-Ring	J-OR-2-334
4	Filter/Separator Backup Ring	J-OR-8-334
	Synthetic Oil 3 Litres	J-C751

IK 150, 151, 1511 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N25886
1	Filter Cartridge	58827
1	*Securus Filter Cartridge	*60037
1	Separator Element	FC-1008-SE
4	Filter/Separator O-Ring	J-OR-2-334
4	Filter/Separator Backup Ring	J-OR-8-334
	Synthetic Oil 5 Litres	J-C751

IK 180, 181 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Inlet Filter Element	N3029
1	Drying Cartridge	58825
1	Filter Cartridge	58827
1	*Securus Filter Cartridge	*60037
1	Separator Element	FC-1008-SE
6	Filter/Separator O-Ring	J-OR-2-334
6	Filter/Separator Backup Ring	J-OR-8-334
	Synthetic Oil 5 Litres	J-C751

*For compressors with Securus Moisture Monitors

COMPRESSOR BLOCK TECHNICAL DATA

5300 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	KW	
IK100	1400 RPM	7.5 SCFM	3	5.0	3.6	5300 PSIG
IK120	1600 RPM	12.7 SCFM	3	7.5	5.5	5300 PSIG
IK121	1800 RPM	14.3 SCFM	3	10.0	7.3	5300 PSIG
IK1214	1450 RPM	15.1 SCFM	4	10.0	7.3	5300 PSIG
IK151	1450 RPM	26.2 SCFM	4	15.0	11.0	5300 PSIG
IK150	1320 RPM	33.8 SCFM	4	15.0	11.0	5300 PSIG
IK180	1500 RPM	38.5 SCFM	4	20.0	14.7	5300 PSIG

6100 PSIG BLOCKS

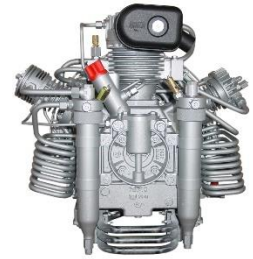
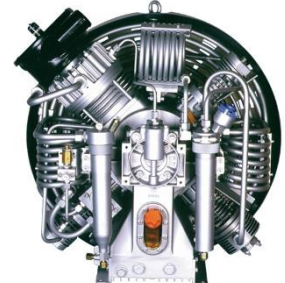
COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	KW	
IK100-420	1300 RPM	6.7 SCFM	3	5.0	3.6	6100 PSIG
IK120-420	1300 RPM	11.9 SCFM	3	7.5	5.5	6100 PSIG
IK1214	1450 RPM	16.3 SCFM	4	10.0	7.3	6100 PSIG
IK181	1600 RPM	30.0 SCFM	5	20.0	14.7	6100 PSIG

7300 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	KW	
IK1511	1350	23.9 SCFM	4	15.0	10.6	6500/7300 PSIG
IK181	1450	30.0 SCFM	5	20.0	13.6	6500/7300 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.
- Reed valve on the first stage which offers higher efficiency and redesigned intake filter reduces intake valve noise.
- Final stage oil cooled cylinder and cylinder-head for lower air discharge temperature.

IK100, IK100-420**IK120, IK120-420****IK1214****IK151, IK1511****IK150, IK180****IK181**

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