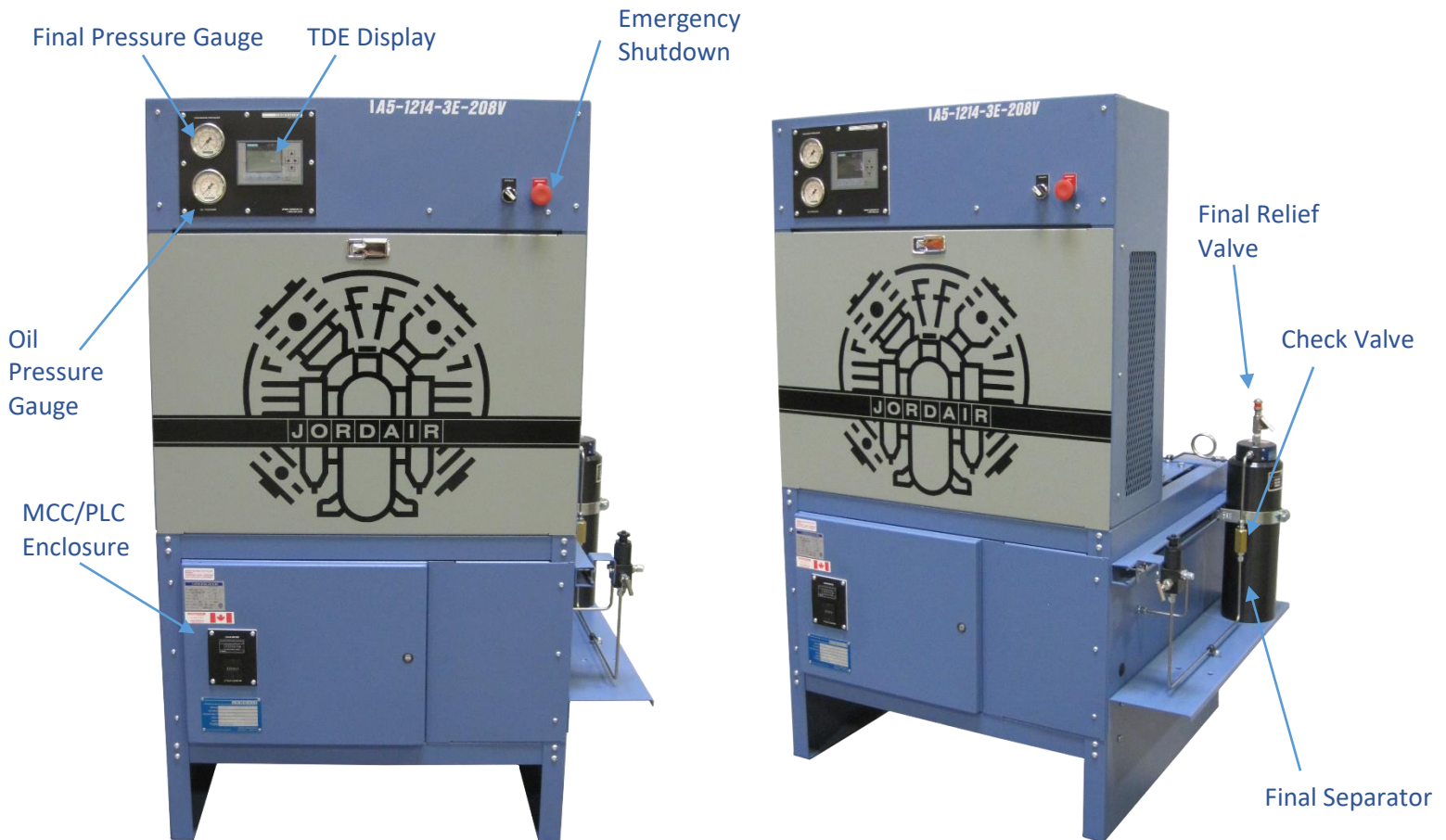


## INDUSTRIAL AIR SERIES COMPRESSOR SYSTEMS



**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**

## STANDARD INDUSTRIAL AIR COMPRESSOR FEATURES

The standard system includes a full customer touch screen HMI with real time monitoring of oil pressure, inlet pressure, final pressure and final stage discharge temperature.

Compressor service is accessible from a front removable panel for drive belt access and a rear panel for compressor service access. Oil pressure, inter-stage and final pressure gauges are located and installed on the compressor block.

## SCOPE OF SUPPLY AND OPTIONS

- Logo 8 PLC with panel mounted 4" x 4" TDE 6 line screen showing compressor fault data
- Low oil alarm and screen display of the fault
- High temperature alarm and screen display of the fault
- Final pressure switch set for customers required shut down pressure
- Auto-run and manual mode operation with emergency shutdown button
- Optional Connection to the customer and service technicians cell phone
- Panel mounted pressure gauge display for final pressure and oil pressure
- Inter-stage pressure gauges are mounted on the block and visible at the back side of the compressor
- Nationally certified CRN registered 7300 PSIG final oil/water final coalescing separator
- Final separator cycle counter to ensure filter system safety and record pressure cycles
- Cycle count is displayed on the panel mounted display screen
- Filter system life rated for 15 years
- Automatic condensate drain and silent collection system

Larger capacity compressors up to 250 KW are available upon request. Please consult with a Jordair Compressors representative for technical data and factory quote.

## INDUSTRIAL AIR COMPRESSORS

### 5300 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	OIL & WATER SEPARATOR	WEIGHT	SIZE (IN) H x D x W
IA5-100-1E	4.4 SCFM	5.0 HP	JS-7300-A-1008	485 LBS	62" x 33" x 42.5"
IA5-100-3E	4.4 SCFM	5.0 HP	JS-7300-A-1008	485 LBS	62" x 33" x 42.5"
IA5-120-1E	7.6 SCFM	7.5 HP	JS-7300-A-1008	550 LBS	62" x 33" x 42.5"
IA5-120-3E	7.6 SCFM	7.5 HP	JS-7300-A-1008	550 LBS	62" x 33" x 42.5"
IA5-1214-1E	10.6 SCFM	10.0 HP	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IA5-1214-3E	10.6 SCFM	10.0 HP	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IA5-151-3E	14.8 SCFM	15.0 HP	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IA5-150-3E	17.7 SCFM	15.0 HP	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IA5-180-3E	21.9 SCFM	20.0 HP	JS-7300-A-1008	880 LBS	62" x 33" x 42.5"
IA5-220-3E	33.0 SCFM	30.0 HP	JS-7300-A-1008	N/A*	N/A*

All 5300 PSIG systems are supplied with the new Jordair 7300 PSIG filter system and protected with a 5300 PSIG relief valve. Please specify if a lower setting is required.

### 6100 PSIG

MODEL	FLOW RATE	MOTOR	OIL & WATER SEPARATOR	WEIGHT	SIZE (IN) H x D x W
IA6-100-1E	3.5 SCFM	5.0 HP	JS-7300-A-1008	485 LBS	62" x 33" x 42.5"
IA6-100-3E	3.5 SCFM	5.0 HP	JS-7300-A-1008	485 LBS	62" x 33" x 42.5"
IA6-120-1E	6.0 SCFM	7.5 HP	JS-7300-A-1008	550 LBS	62" x 33" x 42.5"
IA6-120-3E	6.0 SCFM	7.5 HP	JS-7300-A-1008	550 LBS	62" x 33" x 42.5"
IA6-1214-1E	10.2 SCFM	10.0 HP	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IA6-1214-3E	10.2 SCFM	10.0 HP	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IA6-1511-3E	14.8 SCFM	15.0 HP	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IA6-181-3E	18.0 SCFM	20.0 HP	JS-7300-A-1008	880 LBS	62" x 33" x 42.5"
IA6-220-3E	33.0 SCFM	30.0 HP	JS-7300-A-1008	N/A*	N/A*

All 6100 PSIG systems are supplied with the new Jordair 7300 PSIG filter system and protected with a 6500 PSIG relief valve. Please specify if a lower setting is required.

### 7300 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	OIL & WATER SEPARATOR	WEIGHT	SIZE (IN) H x D x W
IA7-1511-3E	15.0 SCFM	15.0 HP	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IA7-181-3E	19.5 SCFM	20.0 HP	JS-7300-A-1008	880 LBS	62" x 33" x 42.5"

All 7300 PSIG systems are supplied with the new Jordair 7300 PSIG filter system and protected with a 7500 PSIG relief valve.

## INDUSTRIAL AIR BOOSTER COMPRESSORS

### 720 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	SUCTION PRESSURE	FINAL PRESSURE	OIL & WATER SEPARATOR	WEIGHT	SIZE (IN) H x D x W
IAB720-123-1E	16/26 SCFM	7.5 HP	72 PSIG	217/580 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-123-3E	16/26 SCFM	7.5 HP	72 PSIG	217/580 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-123-1E	42/25 SCFM	7.5 HP	109 PSIG	217/720 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-123-3E	42/25 SCFM	7.5 HP	109 PSIG	217/720 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-123-1E	55/38 SCFM	7.5 HP	145 PSIG	290/720 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-123-3E	55/38 SCFM	7.5 HP	145 PSIG	290/720 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-124-1E	70/54 SCFM	10.0 HP	188 PSIG	362/720 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB720-124-3E	70/54 SCFM	10.0 HP	188 PSIG	362/720 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"

### 5000 PSIG COMPRESSORS

MODEL	FLOW RATE	MOTOR	SUCTION PRESSURE	FINAL PRESSURE	OIL & WATER SEPARATOR	WEIGHT	SIZE (IN) H x D x W
IAB5-122-1E	7.0 SCFM	7.5 HP	72 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-3E	7.0 SCFM	7.5 HP	72 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-1E	10.4 SCFM	7.5 HP	101 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-3E	10.4 SCFM	7.5 HP	101 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-1E	13.8 SCFM	7.5 HP	130 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-3E	13.8 SCFM	7.5 HP	130 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-1E	17.0 SCFM	7.5 HP	159 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-122-3E	17.0 SCFM	7.5 HP	159 PSIG	5000 PSIG	JS-7300-A-1008	705 LBS	62" x 33" x 42.5"
IAB5-153-3E	18.0 SCFM	15.0 HP	101 PSIG	5000 PSIG	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IAB5-153-3E	21.0 SCFM	15.0 HP	116 PSIG	5000 PSIG	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IAB5-153-3E	23.0 SCFM	15.0 HP	130 PSIG	5000 PSIG	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"
IAB5-153-3E	26.0 SCFM	15.0 HP	145 PSIG	5000 PSIG	JS-7300-A-1008	840 LBS	62" x 33" x 42.5"

*Note: Crated size will add 6" to all unit dimensions and 100 lbs to unit weight*

## ELECTRONIC MONITORS



### eWON Flexy Fault Data Transmitter

The FLEXY data transmitter model provides direct access to the compressor and advises when a fault occurs. The transmitter will interface to a smart phone or to a computer system. In the event of a compressor fault and shutdown the data will be transmitted to Jordair, the customer, and the service group for the system. This assists the compressor operator to have immediate knowledge in the event a fault occurs and the shortest response time to resolve the issue.

## TECHNICAL DATA

### CAPACITY CALCULATIONS

Compressor Flow Rate, or “Charge Rate”, is based on filling a one hour 88 cubic (ft<sup>3</sup>) SCBA cylinder from the alarm pressure to 4500 PSIG. Note: Technical specifications subject to change without notice

### FILTRATION SYSTEM DESCRIPTION

The JS-7300-A-1008 separators are standard for all Industrial Air models. Separator element should be changed every three months in order to minimize oil carry over in the air stream.

### 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 (e.g. IAB720-123-1E-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:

<b>J-PCU</b>	Change compressor frame powder coating color
<b>J-USP-LF</b>	Complete set of Enclosed Panels - Non Insulated (Large Frame) - 151 to 181
<b>J-CFIP-LF</b>	Complete silent insulation package for the compressor frame
<b>J-E-FAN-20-1/2</b>	Auxiliary cooling fan for fully enclosed unit - 100 to 1214
<b>J-E-FAN-20-1</b>	Auxiliary cooling fan for fully enclosed unit - 151 to 181

For a fully enclosed silent compressor see the [AIR-KAT Silent brochure](#) for added features

### COMPRESSOR CONTROLS & INLET ACCESSORIES:

<b>J-LOGO-TUG</b>	Logo 8 module upgrade for oil, final and temperature transmitters
<b>6ED1055-1MA00-0BA2</b>	PLC Module for adder for transmitter
<b>J-S-TP700</b>	Siemens TP700 screen required with the Logo 8 PLC update
<b>J-E-KIT-SWITCH-INLET-1</b>	Inlet Pressure Switch, -30 to 14 PSI
<b>J-E-KIT-SWITCH-INLET-2</b>	Inlet Pressure Switch, 2 to 18 PSI
<b>WIKA-A10</b>	Inlet Pressure Transmitter, -30 +30 PSI
<b>WIKA-A10</b>	Oil Pressure Transmitter
<b>WIKA-A10</b>	Final Pressure Transmitter for Start/Stop
<b>BAY1</b>	Final Temperature Transmitter
<b>J-BASE-SKID</b>	Base skid for mounting of auxiliary components (required for certain add-ons)
<b>J-TANK-60</b>	Inlet Buffer Tank and Fittings
<b>J-PG-PM-CBM-2.5-30+30-D</b>	Inlet Pressure Gauge - (-30 to 30 PSI)
<b>J-PR-125-1.5-3.5-3.8</b>	Inlet Pressure Regulator - 1.5-3.5 PSI Outlet
<b>J-E-SV-2-16-120-P</b>	Inlet Solenoid Valve - 2 Way, 1" FNPT, 120V
<b>J-E-SV-2-24-120-P</b>	Inlet Solenoid Valve - 2 Way, 2" FNPT, 120V
<b>EWON-FLEXY</b>	Transmitter to report faults to Jordair, the customer, and the service provider

### COMPRESSOR FILTRATION SYSTEM:

<b>JBF-7300-6-16-A</b>	Add bare filter chamber and fittings - 7300 PSIG, 16" Barrel
<b>JBF-7300-6-22-A</b>	Add bare filter chamber and fittings - 7300 PSIG, 22" Barrel
<b>JBF-7300-6-22-S-A</b>	Add bare filter chamber and fittings - 7300 PSIG, 22" Barrel, Securus Cap
<b>JBF-7300-6-32-A</b>	Add bare filter chamber and fittings - 7300 PSIG, 32" Barrel
<b>JBF-7300-6-32-S-A</b>	Add bare filter chamber and fittings - 7300 PSIG, 32" Barrel, Securus Cap
<b>N15096-C</b>	Securus Moisture Monitor
<b>N15096-CU</b>	Securus upgrade from the JBP41 to the JBP61 filter system

**FILTER CARTRIDGES:**

<b>FC-1008-SE</b>	Separator Coalescing Element
<b>FC-1008-SE-HF</b>	Separator Coalescing Element, for high purity and oil removal
<b>80100</b>	Cartridge, Bauer, For 16" Chamber, Drying & Oil
<b>62504</b>	Cartridge, Bauer, For 22" Chamber, Drying
<b>62565</b>	Cartridge, Bauer, For 22" Chamber, Drying & Oil
<b>61686</b>	Cartridge, Bauer, For 22" Chamber, Drying & Oil, Securus
<b>58825</b>	Cartridge, Bauer, For 32" Chamber, Drying
<b>58826</b>	Cartridge, Bauer, For 32" Chamber, Drying & Oil
<b>60036</b>	Cartridge, Bauer, For 32" Chamber, Drying & Oil, Securus

**COMPRESSOR SERVICE PARTS LISTS**

**Note:** The following service parts list are for the default model of compressor, models with any changes or upgrades to the filtration system will differ. Consult your compressors original Test Report in the manual to find your systems service parts.

For IK 100, 120, 1214 Models

For 151, 1511, 150, 180, 181 Models

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Separator Element	FC-1008-SE
2	Separator O-Ring	J-OR-2-334
2	Separator Backup Ring	J-OR-8-334
1	Synthetic Oil 4 Litre	J-C751-4

QTY	Part Name	Part Number
1	Oil Filter	N25326
1	Separator Element	FC-1008-SE
2	Separator O-Ring	J-OR-2-334
2	Separator Backup Ring	J-OR-8-334
2	Synthetic Oil 4 Litre	J-C751-4

**Note:** Jordair recommends changing both O-rings and backup rings for the filter and separator top and base caps during service as well as inspecting the barrels from both sides for any damage or deterioration. It also provides the opportunity to ensure all threads are in good condition and lubricated.



## COMPRESSOR BLOCK TECHNICAL DATA

### 5000 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	KW	
IK100	1270	4.4 SCFM	3	5.0	3.6	5000 PSIG
IK120	1470	7.6 SCFM	3	7.5	5.5	5000 PSIG
IK1214	1470	10.6 SCFM	4	10.0	7.3	5000 PSIG
IK151	1320	15.0 SCFM	4	15.0	11.0	5000 PSIG
IK150	1230	18.0 SCFM	4	15.0	11.0	5000 PSIG
IK180	1320	22.0 SCFM	4	20.0	14.7	5000 PSIG

### 6000 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	KW	
IK100	1050	3.5 SCFM	3	5.0	3.6	6000 PSIG
IK120	1200	6.0 SCFM	3	7.5	5.5	6000 PSIG
IK1214	1470	10.6 SCFM	4	10.0	7.3	6000 PSIG

### 7000 PSIG BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		FINAL PRESSURE
				HP	KW	
IK1511	1320	15.0 SCFM	4	15.0	11.0	7000 PSIG
IK181	1320	19.5 SCFM	5	20.0	14.7	7000 PSIG

### 720 PSIG BOOSTER BLOCKS

COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		SUCTION PRESSURE	FINAL PRESSURE
				HP	KW		
BK123*	1300 RPM	16/26 SCFM	1	7.5	5.5	72 PSIG	217/580 PSIG
BK123	1300 RPM	42/25 SCFM	1	7.5	5.5	109 PSIG	217/720 PSIG
BK123	1300 RPM	55/38 SCFM	1	7.5	5.5	145 PSIG	290/720 PSIG
BK124	1300 RPM	70/54 SCFM	1	10.0	7.3	188 PSIG	362/720 PSIG

### 5000 PSIG BOOSTER BLOCKS

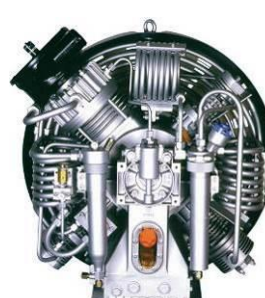
COMPRESSOR BLOCK	SPEED	FLOW RATE	STAGES	MOTOR		SUCTION PRESSURE	FINAL PRESSURE
				HP	KW		
BK122	1230 RPM	7.0 SCFM	2	7.5	5.5	72 PSIG	5000 PSIG
BK122	1230 RPM	10.4 SCFM	2	7.5	5.5	101 PSIG	5000 PSIG
BK122	1230 RPM	13.8 SCFM	2	7.5	5.5	130 PSIG	5000 PSIG
BK122	1230 RPM	17.0 SCFM	2	7.5	5.5	159 PSIG	5000 PSIG
BK153	1140 RPM	18.0 SCFM	2	15.0	11.0	101 PSIG	5000 PSIG
BK153	1140 RPM	21.0 SCFM	2	15.0	11.0	116 PSIG	5000 PSIG
BK153	1140 RPM	23.0 SCFM	2	15.0	11.0	130 PSIG	5000 PSIG
BK153	1140 RPM	26.0 SCFM	2	15.0	11.0	145 PSIG	5000 PSIG

\* Paired rows share the same compressor block. The model number with the \* is the actual block number. The other compressor blocks run at different speeds and therefore have been given a different number.



## 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-coolers 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.
- Bauer compressor blocks provide the highest level of reliability and virtually no oil carryover into the compressed air stream. This ensures perfect filtration with original Bauer filter cartridges and the longest cartridge life.

**IK100, IK100-420****IK120, IK120-420****IK1214****IK151, IK1511****IK150, IK180****IK181****IK220**

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