

## CAPITANO/MARINER “H” SERIES ELECTRIC COMPRESSOR SYSTEM

Jordair breathing compressors and air filter systems meet or exceed the latest CSA standard CAN/CSA-Z180.1-00 (approved January 2001).



### Jordair QC Program

- ISO 9001:2008 Cert. 97-544
- CSA Cert. No. LR77799
- CRN Pressure Components
- B&PV Licence MA-2007

### System Features:

- Balanced Design
- Low Noise
- Lifetime Filter Chambers
- Extended Cartridge Life

### Block Features:

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

### TECHNICAL DATA FOR 5000 AND 6000 PSIG UNITS

MODEL	FLOW-RATE	POWER	FILTER & CAPACITY		WEIGHT (KG)	SIZE (CM) H x D x W
Capitano-140-1EH	6.9 SCFM	1 PHASE	P21 Triplex	*4,943 FT <sup>3</sup>	102 KG	115 x 59 x 55
Capitano-140-3EH	6.9 SCFM	3 PHASE	P21 Triplex	*4,943 FT <sup>3</sup>	102 KG	115 x 59 x 55
Mariner-250-1EH	9.5 SCFM	1 PHASE	P31 Triplex	*21,186 FT <sup>3</sup>	135 KG	125 x 59 x 63
Mariner-250-3EH	9.5 SCFM	3 PHASE	P31 Triplex	*21,186 FT <sup>3</sup>	135 KG	125 x 59 x 63
Mariner-320-1EH	13.0 SCFM	1 PHASE	P31 Triplex	*21,186 FT <sup>3</sup>	154 KG	130 x 64 x 70
Mariner-320-3EH	13.0 SCFM	3 PHASE	P31 Triplex	*21,186 FT <sup>3</sup>	154 KG	130 x 64 x 70
Mariner-320-1EH	14.8 SCFM	1 PHASE	JBP41-6300-4	*54,730 FT <sup>3</sup>	154 KG	130 x 64 x 70
Mariner-320-3EH	14.8 SCFM	3 PHASE	JBP41-6300-4	*54,730 FT <sup>3</sup>	154 KG	130 x 64 x 70

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

JORDAIR – “RELIABILITY & SAFETY” – BAUER  
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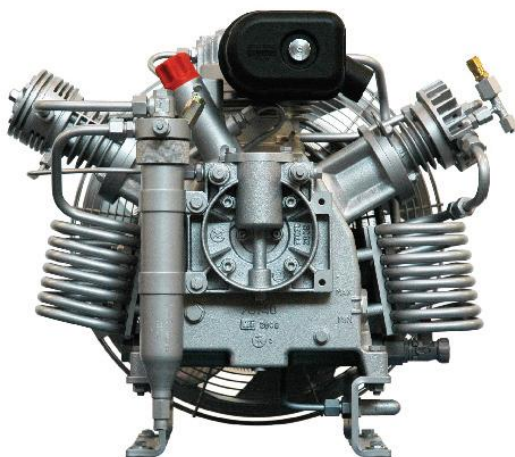
## CAPITANO/MARINER "H" SERIES ELECTRIC COMPRESSOR SYSTEM

BLOCK MODEL	SPEED	CAPACITY		STAGES	MOTOR		FINAL PRESSURE
		F.A.D.	CHARGE		HP	kW	
IK100-F07 "Capitano"	1600 RPM	5.5	7.3	3	5	3.75	5000 PSIG
IK120-F07 "Mariner"	1600 RPM	8.3	11.1	3	7.5	5.6	5000 PSIG
IK12.14-F06	1650 RPM	11.9	15.87	4	10	7.5	5000 PSIG
IK12.14-F06	1650 RPM	11.9	15.87	4	10	7.5	6000 PSIG

### NEW BAUER BLOCK FEATURES

- New high velocity, full flow cooling fan assembly that produces high velocity airflow over the coolers, pressure cylinders and crank case to cool the compressed air and lubricating oil.
- Drive gear designed for an operating life of 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.
- 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 to prevent over-filling of the crankcase with oil.
- New reed valve on first stage which offers higher efficiency and redesigned intake filter reduces intake valve noise.
- New final stage oil cooled cylinder head for lower discharge temperature.

**IK100-F07 AND IK120-F07**



**IK12.14-F06**



### JORDAIR IS ISO 9001:2008 CERTIFIED

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