Plasma Powders & Systems, Inc.
228 Boundary Road Marlboro NJ 07746 USA
Ph. (732) 431-0992 Fax (732) 308-1075
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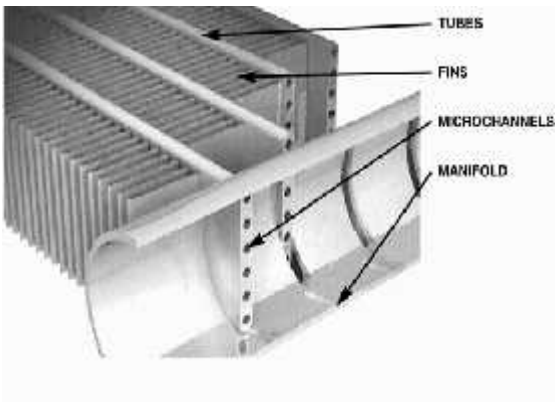
HE-750 SERIES CHILLERS

Highlights of Features

- ***Small Footprint Saves Customers Valuable Floor Space.***
- ***Remote Microprocessor Display Provides Convenient Monitoring of Chiller Operation.***
- ***Sequenced Shutdown is provided.***
- ***Chiller Designed to Meet NFPA-70 (NEC Code), and NFPA-79, with UL certified panel. CE-certified units available.***
- ***Modulating hot gas bypass provides outstanding temperature/capacity control with low loads.***
- ***Enhanced diagnostic capability facilitates field troubleshooting and reduces downtime.***
- ***Chiller Maintenance Required Alarm provides early warning so that preventive maintenance can be scheduled.***
- ***HFC-410A (Puron) refrigerant meets the Montreal Protocol requirements.***
- ***Programmable microprocessor provides higher reliability and tighter temperature control.***
- ***Efficient microchannel condensers provide full rated capacity with high ambient conditions.***



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HE-750 Series
Air Cooled Portable Chiller
Performance Data and Specifications

Model:	HE750-460/60P	Refrigerant:	HFC-410A
Cooling Capacity:	7.5 tons	Shipping Weight:	700 lbs
Rated Ambient Temperature:	105°F	Dimensions:	35”L x 35”W x 81”H
Supply Temperature:	65°F	Process Connections:	¾” FNPT
Temperature Stability:	±1°F	Condenser Air Flow:	6,300 CFM
Pump:	5 HP	Main Voltage:	460V/3/60
Flow:	10 GPM	MCA:	31 Amps
Pressure:	225 PSI	Control Voltage:	115 VAC

Mechanical Features

- Scroll compressor for improved reliability and energy efficiency
- Generously sized microchannel condensers for industrial environments
- Top discharge fan and cleanable condenser air inlet filters
- Brazed plate evaporator provides higher efficiencies due to reduced fouling
- Electronic hot gas bypass modulating valve for capacity control
- Liquid line solenoid valve and compressor crankcase heater to protect compressor from liquid refrigerant migration
- Nonferrous water circuit construction compatible with deionized water
- Insulated reservoir with fill port, drain and sight glass
- Bronze regenerative turbine pump
- Y-strainer in supply line to protect process from contaminants
- Compressed air purge circuit
- Insulation on refrigerant and chilled water piping

Electrical/Control Features

- NEMA-12 electrical enclosure with rotary non-fused disconnect
- NFPA-70 and NFPA-79 electrical specifications
- Remote display panel with 20 foot cable
- Communication with console: Start/Stop Input, Air Purge Input, Chiller Fault Output, Chiller Requires Maintenance Output

Digital Displays

- ► Set Temperature
- ► Supply Temperature
- ► Return Temperature
- ► Process Water Pressure
- ► Reservoir Level
- ► Process Water Flow
- ► Process Heat Load
- ► Refrigerant Suction Pressure
- ► Refrigerant Discharge Pressure
- ► Compressor Run Time

Alarms and Warnings

Water Circuit

- ► Freezestat
- ► High Supply Temp Safety
- ► High Return Temp Alarm
- ► Reservoir Level Warning
- ► Reservoir Level Safety
- ► Process Flow Warning
- ► Process Flow Alarm
- ► Evaporator Flow Alarm
- ► High Pressure Warning
- ► Pump Motor Overload

Refrigerant Circuit

- ► Suction Pressure Warning
- ► Suction Pressure Alarm
- ► Discharge Pressure Warning
- ► Discharge Pressure Alarm
- ► Compressor Motor Overload