



Bay State Surface Technologies, Inc.

Headquarters: 201 Washington St. Auburn, MA 01501
Toll Free 1-800-772-0104 Fax (508) 832-5043
Internet: baystatesurfacetech.com

NO.
HE-1003U

PRODUCT DATA SHEET



KEY FEATURES

- Very small profile – ideal for tight spaces
- 5 tons (62,000 BTUH) of heat removal
- 10 GPM flow required to process at 250 PSI
- Compressed air purge circuit
- Water components constructed of nonferrous materials

HE-1003U

PlasmaGun[®]

WATER
CHILLER

FOR THE 80 KW
PLASMAGUN
SYSTEM



AIR COOLED PORTABLE CHILLER

DESIGN AND COMPONENT SPECIFICATIONS

SPECIFICATIONS

Model:	HE-1003U	Voltage:	460V/3/60
Capacity:	5.0 tons	MCA:	36 amps
(65°F lwt, 95°F ambient)		Operating Range:	50°F – 75°F
Refrigerant:	R134a	Shipping Weight:	573 lbs
Pump:	2½ HP	Dimensions:	39"L x 33"W x 49"H
Flow to Process:	10 GPM	Process Connections:	1" NPT
Pressure:	135 PSI		

MECHANICAL FEATURES

- Stainless steel evaporator
- Compact, innovative design
- Ideally suited for decentral cooling of machinery and processes
- Easy access to all movable parts
- Easy to use and maintain
- Multicolored display with indication of operation and maintenance status
- Very low sound level
- Stainless steel pump
- Nonferrous water circuit construction
- Hermetically closed refrigerant circuit with non-ozone harming refrigerant R-134a
- Antifreeze thermostat for each circuit
- Compressed air purge
- Factory tested under full load conditions prior to shipment

ELECTRICAL FEATURES

- LED digital displays of actual and set point temperatures
- Free tension contacts for external alarm
- Flow switch and level switch
- Water temperature reader and controller for water inlet and outlet
- Switches with indicating lights (Power, Start, Stop, Alarm Reset)
- All motors are protected by circuit breakers

