

Liberty Pumps®

HT40-Series



High Temperature Submersible Pump

4/10 hp
1-1/2" Discharge
3/4" Solids Handling

For Hot Water Applications up to 200° F.

- Boiler Blowdown Pits
- Hot Water Transfer
- Condensate Pits

Features:

- Vortex impeller, made of high temperature engineered thermoplastic, permits passage of solids without clogging
- Cast iron construction with all stainless and brass fasteners
- 416 stainless steel rotor shaft
- Oil-filled, thermally protected motor
- Permanently lubricated bearings
- Unitized shaft seal
- 10' U.L. approved power cord with quick disconnect design (25' optional)
- 1-1/2" FNPT discharge

Models:

HT41M	115V, 12a, Manual, 10' Cord
HT41M-2	115V, 12a, Manual, 25' Cord
HT41A	115V, 12a, Automatic, 10' Cord
HT41A-2	115V, 12a, Automatic, 25' Cord

innovate. evolve.

HT40-SERIES

HIGH TEMPERATURE SUBMERSIBLE PUMPS

PUMP

The pump(s) shall be model _____ as manufactured by Liberty Pumps, Bergen, NY, or equal.

The pump(s) shall have a capacity of ____ GPM at a total dynamic head of ____ feet. Motor size shall be 4/10 horsepower, single phase, 60 hz. and 115 volt operation.

MOTOR

The pump motor shall be class F insulation, submersible type, oil filled, hermetically sealed and shall be thermally protected. The overload element shall automatically reset when motor cools.

The rotor shaft shall be made of 416 stainless steel and shall be supported by lower and upper ball bearings.

TECHNICAL SPECIFICATIONS

IMPELLER

The pump shall have a VORTEX style impeller made of high temperature engineered thermoplastic, capable of passing a maximum 3/4" spherical solid.

SEAL

The shaft seal shall be of the carbon/ceramic unitized design, with high temperature elastomers and stainless housings.

EXTERNAL CONSTRUCTION

The pump volute, legs and motor housing shall be heavy gray iron castings, class 25 or better. All castings shall be enamel coated before assembly. All fasteners shall be of 300-series stainless steel or brass.

LEVEL CONTROL

The pump shall be controlled by an adjustable mercury-free switch and shall have a series plug for manual by-pass operation. Cable shall be 14-2 SJOW, 90°C Water Resistant.

MODELS	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	IMPELLER
HT41M	4/10	115	1	12	1-1/2" FNPT	NO	VORTEX
HT41A	4/10	115	1	12	1-1/2" FNPT	YES	VORTEX

10' cord standard on above models.
For 25' option, add a "-2" suffix to model number. Example: HT41A-2

DIMENSIONAL DATA:

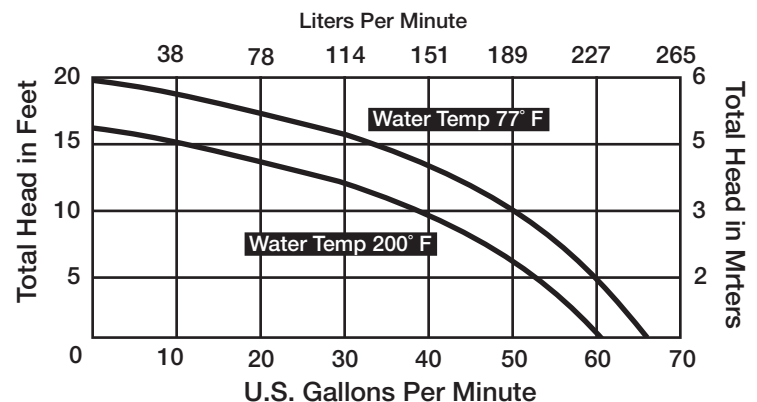
Weight: HT41M: 36 lbs.

Height: 9.6"

Major Width: 9.8" (manual models)

Maximum fluid temperature 200 degrees F.

PERFORMANCE CURVE, 60 Hz



Specifications subject to change.

Liberty Pumps • 7000 Apple Tree Avenue • Bergen, New York 14416 • Phone 800-543-2550 Fax (585) 494-1839

www.libertypumps.com

Copyright © Liberty Pumps, Inc. 2013
All rights reserved. LLIT1400 R02/13