

SUBMERSIBLE SUMP PUMPS Types 3U, 5U

Typical Specifications

These specifications Include the many options available for Type U submersible sump pumps. You can develop a complete pump specification by selecting the appropriate paragraphs for each construction detail or operating feature.

Type U Submersible Sump Pumps Models 3U and 5U

The electric submersible sump pump(s) shall be Peerless Model (3U) (5U) pump(s) designed to deliver - gpm against______feet total head. The pumped liquid will______ at a temperature of not more than ____o (F) (C). Pump construction materials shall be (cast iron) (all bronze)*. The pump casing shall be cast with smooth water passages. The impeller shall be (polypropylene - 3UL, 3UH)(Bronze - 3UH-BR, 3UH-HT)(Cast Iron - 5UL, 5UH), hydraulically and dynamically balanced for smooth and quiet operation.

- () Pump(s) shall be furnished without float controls and shall be on-off sequenced by remote devices.
- () One phase pump model 3ULD shall be furnished with diaphragm type liquid level control switch mounted on unit.
- () One phase 115 Volt pump model (3ULA1)(3UHA1)(3UHA1BR)(5ULA1) shall be furnished with discharge pipe mounted mercury float type liquid level control switch.
- () One phase 230 Volt pump model (3UHA2)(3UHA2BR)(3UHA2HT)(3UHA2BRHT)(5ULA2)(5ULA2HT) shall be furnished with discharge pipe mounted mechanical type float liquid level control switch.
- () Pump(s) shall be furnished with float switch for (simplex) (duplex) pump operation and arranged for mounting on top of the basin cover. The switch shall be (alternating) (non-alternating) type (with) (without) high water alarm contacts.

The pump motor shall be rated (1/3-3UL, 3UH) (1/2-5UL) horsepower, 60 Hertz, 1750 nominal rpm.

- () 1 phase
 - () 115 volt
 - () 230 volt

The pump motor shall be rated (1/2-5UH) horsepower, 60 Hertz, 1750 nominal rpm.

- () 3 phase
 - () 200 volt
 - () 230 volt
 - () 460 volt

The power cable and level control switch cable length shall be

- () 10 feet 3UL
- () 15 feet 3UH, 5UL, 5UH

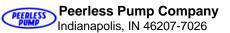
The sump pump shall be designed for a maximum working temperature of

- () 104° F (66°C) 3U, 5U (standard)
- () 200° F (93° C) 3UH-HT, 5UL-HT (high temperature)

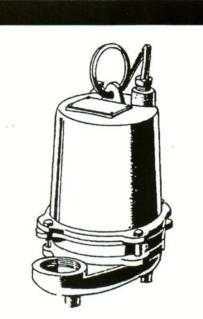
*All Bronze is available only in 3UH Series Only.

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SUBMERSIBLE SUMP PUMPS Type 3UH



Type 3UH Submersible Sump Pump Data 1/3 Hp 1750 Rpm 1/2 Inch Spherical Solids Handling **Cast Iron and Bronze**



Model:

3UHM1 - 115 V 1Ph 60 Hz Cast Iron 3UHA1 - 115 V 1Ph 60 Hz Cast Iron* 3UHM2 - 230 V 1Ph 60 Hz Cast Iron 3UHA2 - 230 V 1Ph 60 Hz Cast Iron* 3UHM1BR - 115 V 1Ph 60 Hz Bronze 3UHA1BR - 115 V 1Ph 60 Hz Bronze* 3UHM2BR - 230 V 1Ph 60 Hz Bronze 3UHA2BR - 230 V 1Ph 60 Hz Bronze* *with Discharge Pipe Mounted Mecury Float Level Control

Description:

GENERAL PURPOSE PUMP FOR RESIDENTIAL AND LIGHT INDUSTRIAL SUMP APPLICATIONS.

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ERATURE:	2" NPT, Vertical 104° F Continuous. (3UH) Cast Iron ASTM A4-48, CI 30
SING:	(3UH-BR) Bronze 81-3-7-9 (3UH) Cast Iron ASTM A4-48, CI 30 (3UH-BR) Bronze 81-3-7-9
:	(3UH-BR) Biolize 61-3-7-9 (3UH) Cast Iron ASTM A4-48, Cl 30 (3UH-BR) Bronze 81-3-7-9
Design:	2 Vane, Open, With Pump Out Vanes On Back Side. Dynamically
Material:	Balanced, ISO G6.3. (3UH) Polypropylene with S. S. Insert (3UH-BR) Bronze 81-3-7-9
GS:	416 Stainless Steel. Buna-N (3UH) 300 Series Stainless Steel
Design:	(3UH-BR) Bronze Air Dry Enamel. Single Mechanical, Oil-Filled Reservoir,
Material:	Secondary Exclusion Seal. Rotating Face - Carbon Stationary Face - Ceramic Elastomer - Buna-N
XY:	Hardware - 300 Series Stainless 15 ft. Cord w/Plug On 115 & 230 Volt, Pressure Grommet For Sealing And Strain Relief.
NG.	1750 RPM (Nominal).
Design: Lubrication:	Sleeve Oil Radial
RING:	
ubrication:	Single Row, Ball Oil Radial & Thrust
Design:	NEMA L Torque Curve. Completely Oil-Filled, Squirrel Cage Induction.
nsulation: SE:	Class A. Permanent Split Capacitor (PSC). Includes Overload Protection In Motor.
	(3UHA) (3UHA-BR) Polypropylene with 15 Ft Cable with Piggy-Back Plug, ON and OFF points are adjustable
	••••
	PERATURE: SING: Design: Design: Material: GS: Design: Material: Atterial: Cesign: Lubrication: Load: RING: Design: Lubrication: Load: Design: Lubrication: Design: Lubrication: Design: Lubrication: Design: Lubrication: Design: Lubrication: Design:

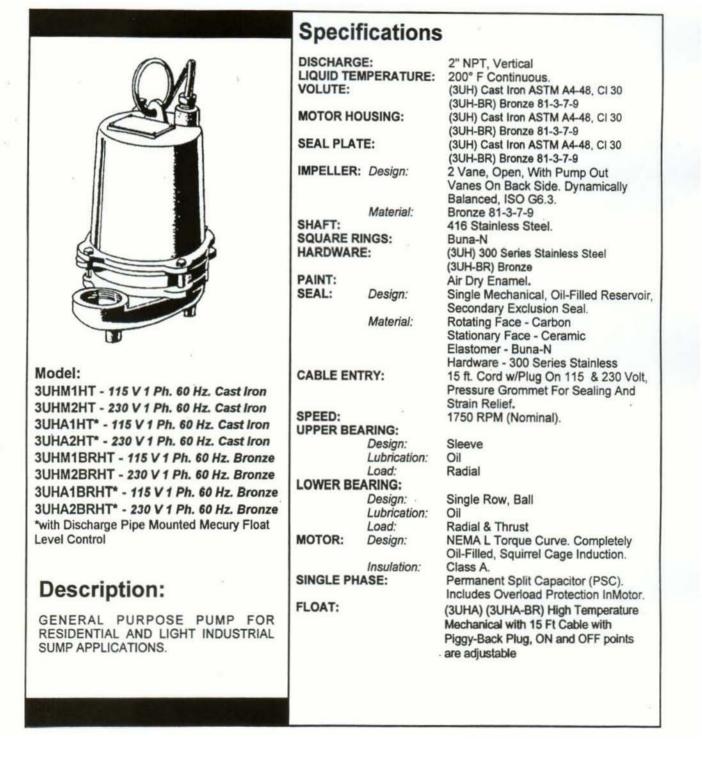
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SUBMERSIBLE SUMP PUMPS Type 3UH-HT

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Type 3UH-HT Submersible Sump Pump Data 1/3 Hp 1750 Rpm 1/2 Inch Spherical Solids Handling Cast Iron and Bronze



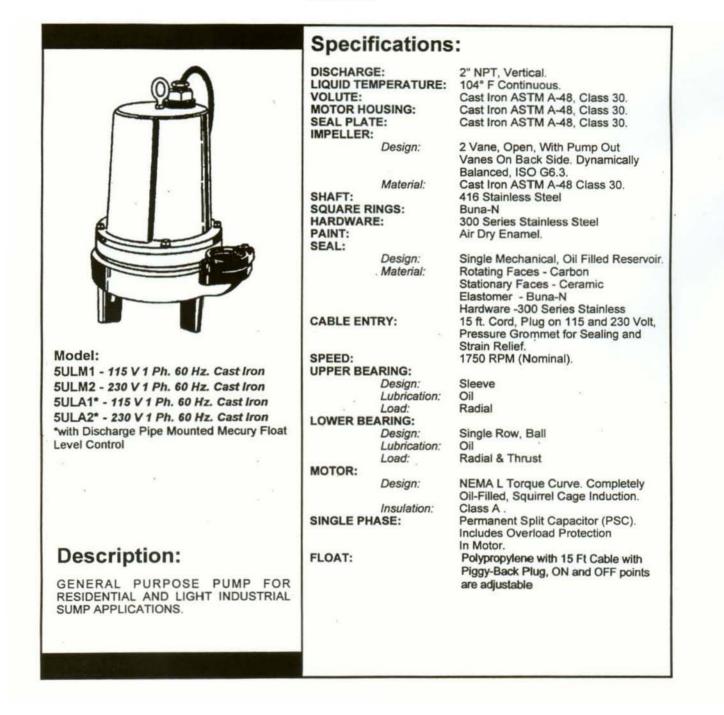
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SUBMERSIBLE SUMP PUMPS Type 5UL



Peerless Pump Company Indianapolis, IN 46207-7026

Type 5UL Submersible Sump Pump Data 1/2 Hp 1750 Rpm 2 Inch Spherical Solids Handling Cast Iron





SUBMERSIBLE SUMP PUMPS Type 5UL-HT

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Type 5UL-HT Submersible Sump Pump Data 1/2 Hp 1750 Rpm 2 Inch Spherical Solids Handling Cast Iron

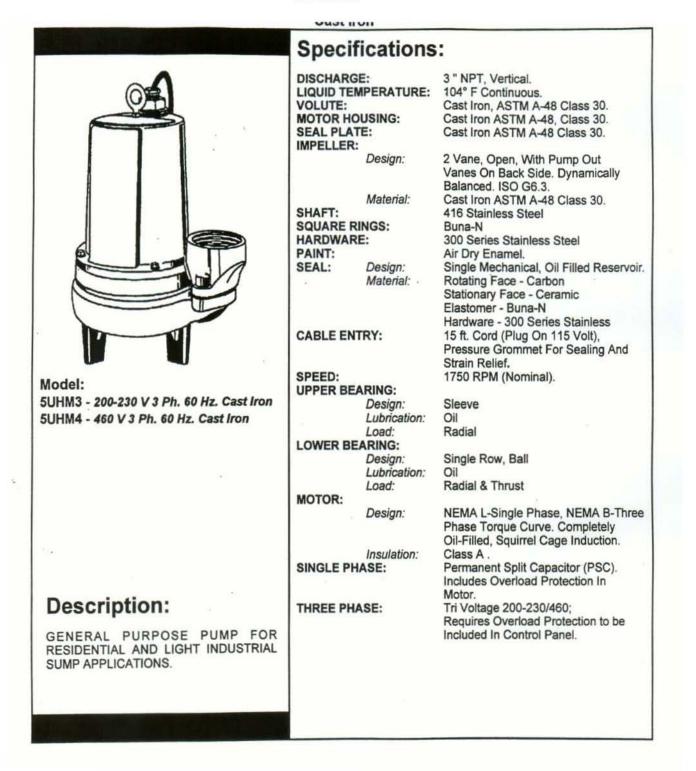
	Specifications	:
	DISCHARGE: LIQUID TEMPERATURE: VOLUTE: MOTOR HOUSING: SEAL PLATE: IMPELLER:	2" NPT, Vertical 200° F Continuous. Cast Iron ASTM A-48, Class 30. Cast Iron ASTM A-48, Class 30. Cast Iron ASTM A-48, Class 30.
	Design: Material: SHAFT: SQUARE RINGS: HARDWARE: PAINT: SEAL:	2 Vane, Open, With Pump Out Vanes On Back Side. Dynamically Balanced, ISO G6.3. Cast Iron ASTM A-48 Class 30. 416 Stainless Steel Buna-N 300 Series Stainless Steel Air Dry Enamel.
	Design: Material:	Single Mechanical, Oil Filled Reservoir. Rotating Faces - Carbon Stationary Faces - Ceramic Elastomer- Buna-N
	CABLE ENTRY:	Hardware -300 Series Stainless 15 ft. Cord, Plug on 115 and 230 Volt, Pressure Grommet for Sealing and Strain Relief.
5ULM1HT - 115 V 1 Ph. 60 Hz. Cast Iron 5ULM2HT - 230 V 1 Ph. 60 Hz. Cast Iron 5ULA1HT* - 115 V 1 Ph. 60 Hz. Cast Iron 5ULA2HT* - 230 V 1 Ph. 60 Hz. Cast Iron *with Discharge Pipe Mounted Mecury Float Level Control	SPEED: UPPER BEARING: Design: Lubrication: Load: LOWER BEARING: Design: Lubrication: Load:	1750 RPM (Nominal). Sleeve Oil Radial Single Row, Ball Oil Radial & Thrust
	MOTOR: Design: Insulation: SINGLE PHASE:	NEMA L Torque Curve. Completely Oil-Filled, Squirrel Cage Induction. Class B. Includes Overload Protection In Motor.
Description:	FLOAT:	Polypropylene with 15 Ft Cable with Piggy-Back Plug, ON and OFF points
GENERAL PURPOSE PUMP FOR RESIDENTIAL AND LIGHT INDUSTRIAL SUMP APPLICATIONS.		are adjustable
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SUBMERSIBLE SUMP PUMPS Type 5UH

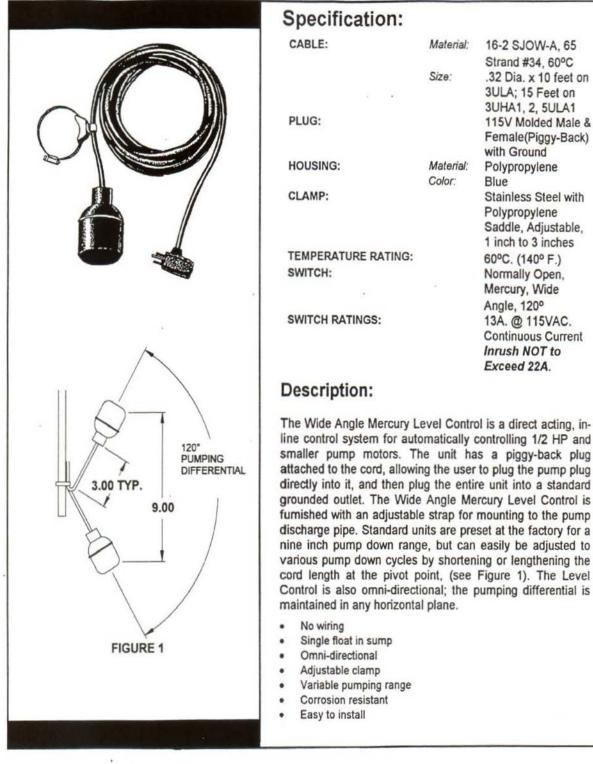
Peerless Pump Company Indianapolis, IN 46207-7026

Type 5UH Submersible Sump Pump Data 1/2 Hp 1750 Rpm 2 Inch Spherical Solids Handling Cast Iron





Model MERC1 Submersible Sump Pump Mercury Float Switch Data (Furnished as standard on Model No's. 3ULA, 3UHA1, 5ULA1 normal temperature units)

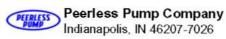


Specification:		
CABLE:	Material;	16-2 SJOW-A, 65
	Size:	Strand #34, 60°C .32 Dia. x 10 feet on 3ULA; 15 Feet on
PLUG:		3UHA1, 2, 5ULA1 115V Molded Male & Female(Piggy-Back) with Ground
HOUSING:	Material: Color:	Polypropylene
CLAMP:		Stainless Steel with Polypropylene Saddle, Adjustable, 1 inch to 3 inches
TEMPERATURE RATING:		60°C. (140° F.)
SWITCH:		Normally Open, Mercury, Wide
SWITCH RATINGS:		Angle, 120° 13A. @ 115VAC. Continuous Current Inrush NOT to Exceed 22A.
Description:		
The Wide Angle Mercury Le line control system for auto smaller pump motors. Th attached to the cord, allowin directly into it, and then plu grounded outlet. The Wide furnished with an adjustable discharge pipe. Standard un nine inch pump down rang various pump down cycles cord length at the pivot p	matically e unit hat ng the user ug the enti Angle Me e strap for nits are pre e, but can by shorter	controlling 1/2 HP and as a piggy-back plug to plug the pump plug re unit into a standard ercury Level Control is mounting to the pump eset at the factory for a neasily be adjusted to ning or lengthening the

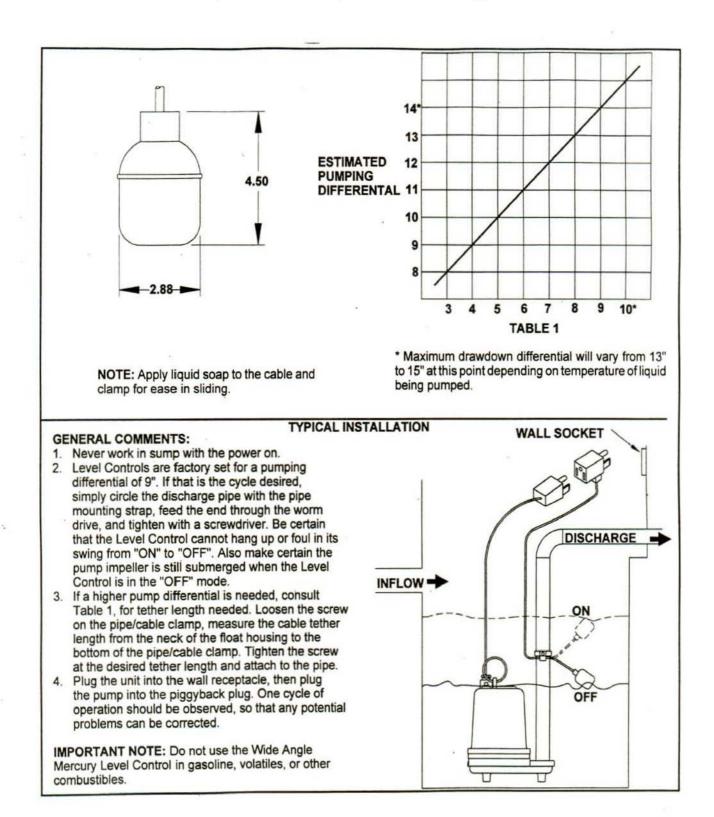
- No wiring ٠
- Single float in sump .
- Omni-directional .
- Adjustable clamp
- Variable pumping range
- Corrosion resistant
- Easy to install .

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SUBMERSIBLE SUMP PUMPS Type 3U, 5U, 7U, 10U, 15U



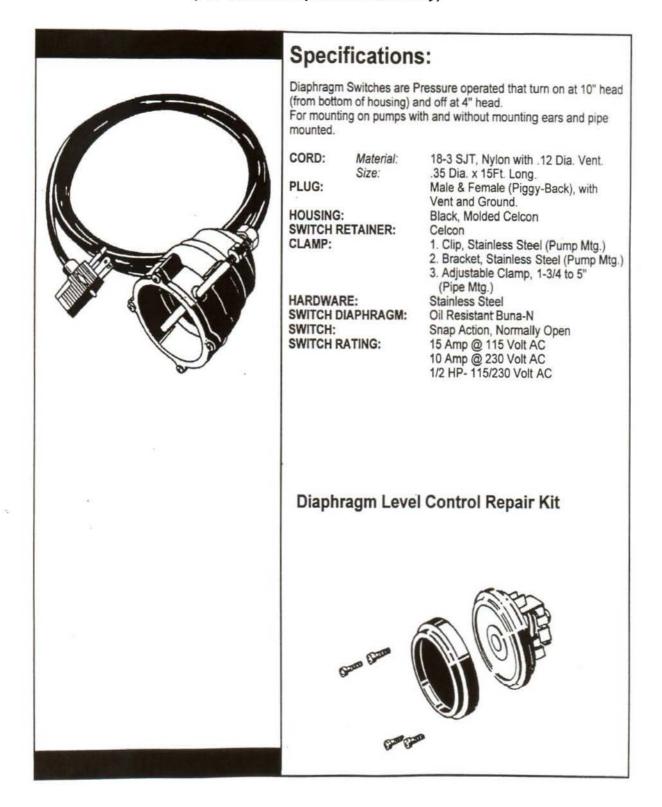
Model MERC1 Submersible Sump Pump Mercury Float Switch Installation and Operation Data (For normal temperature units only)





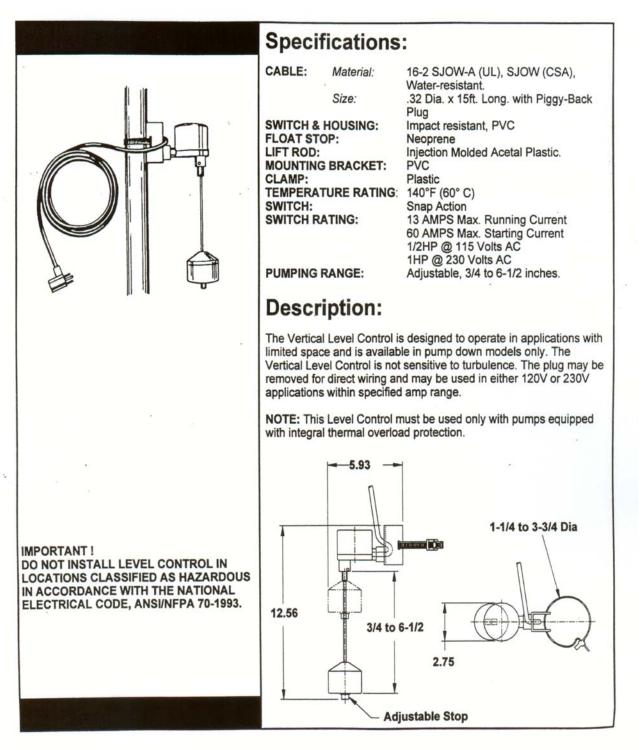
SUBMERSIBLE SUMP PUMPS Type 3U, 5U, 7U, 10U, 15U

Model DIAP1, DIAP2 Submersible Sump Pump Diaphragm Level Control Switch (Furnished as Standard on Model No. 3ULD) (For normal temperature units only)





Model VFC1 (115 Volt), VFC2 (230 Volt) Submersible Sump Pump Float Switch Optional (For normal temperature units only)



Subject to change without notice