



2EC-HT Series Model 2ECHT

Submersible High Temperature Sump Pumps

Description

The 2EC-HT is a sump pump that has been specifically designed to pump high temperature liquids that conventional pumps cannot handle. Ideal for moving wastewater coming from high temperature processes like boiler blow down or hot water rinses in the commercial plumbing market and applications requiring handling liquids up to 200°F.

Features

Impeller: Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge.

Mechanical seal: Silicon Carbide vs. Silicon Carbide sealing faces. Stainless steel metal parts, BUNA-N elastomers.

Shaft: Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.

Fasteners: 300 series stainless steel.

Temperature rating 200°F for continuous operation when fully submerged.

Capable of running dry without damage to components.

Applications

Specifically designed for the following uses:

- Boiler blow down, high temp condensate

Specifications

Pump

- Solids handling capabilities: $\frac{3}{4}$ " maximum
- Discharge size: 2" NPT
- Capacities: up to 70 GPM
- Total heads: up to 27 feet TDH
- Temperature:
200°F (93°C) continuous, fully submerged
- See order numbers on reverse side for specific HP, voltage and phase.
- Available with 1½" connection and high temp float if required. See model chart on page 3.

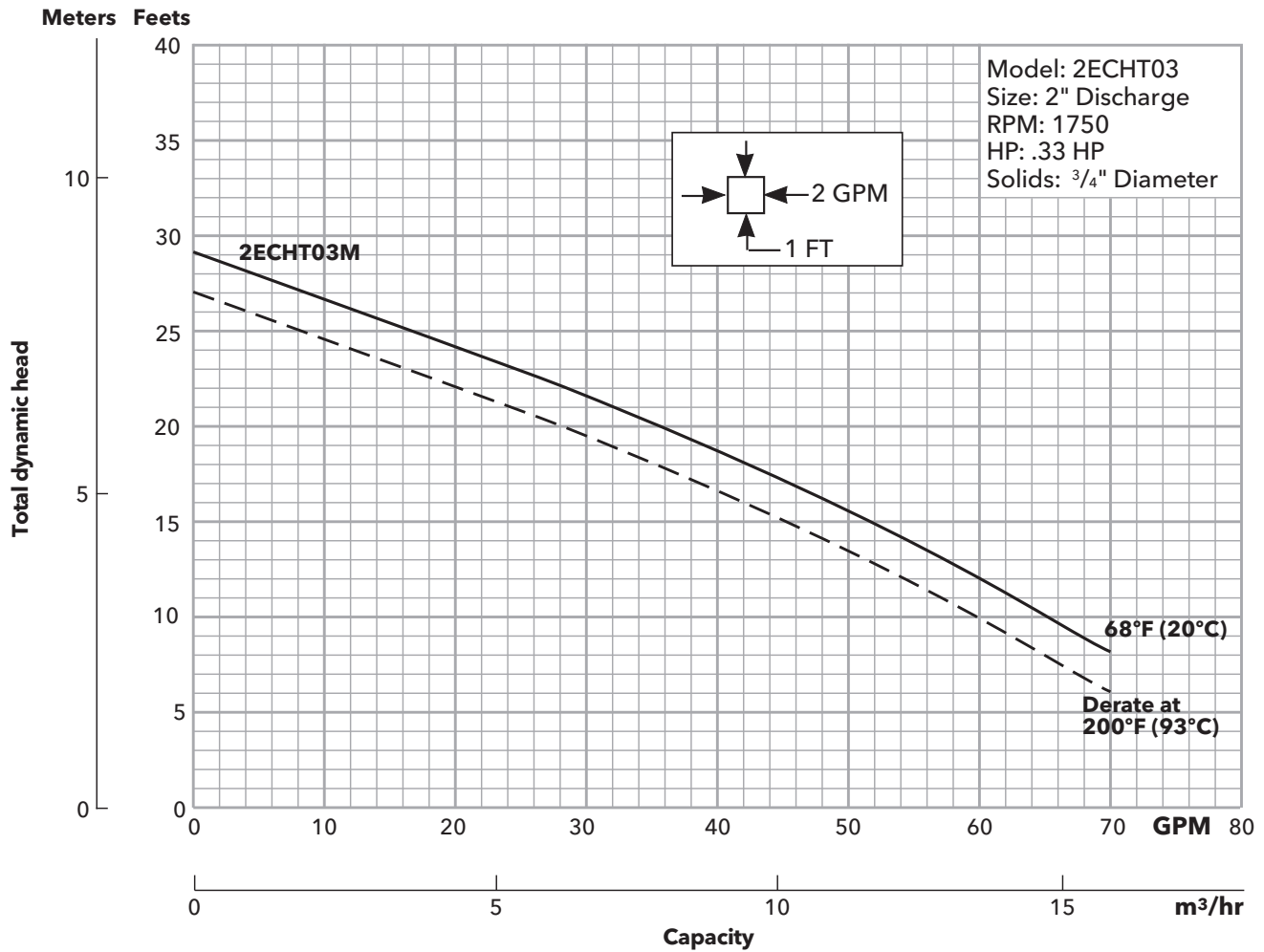
Motors

- Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.
- Class B insulation

Single-phase (60 Hz):

- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- SJ00W severe duty oil and water resistant power cords, rated for high temperature.
- Models have NEMA three prong grounding plugs.

Performance curves

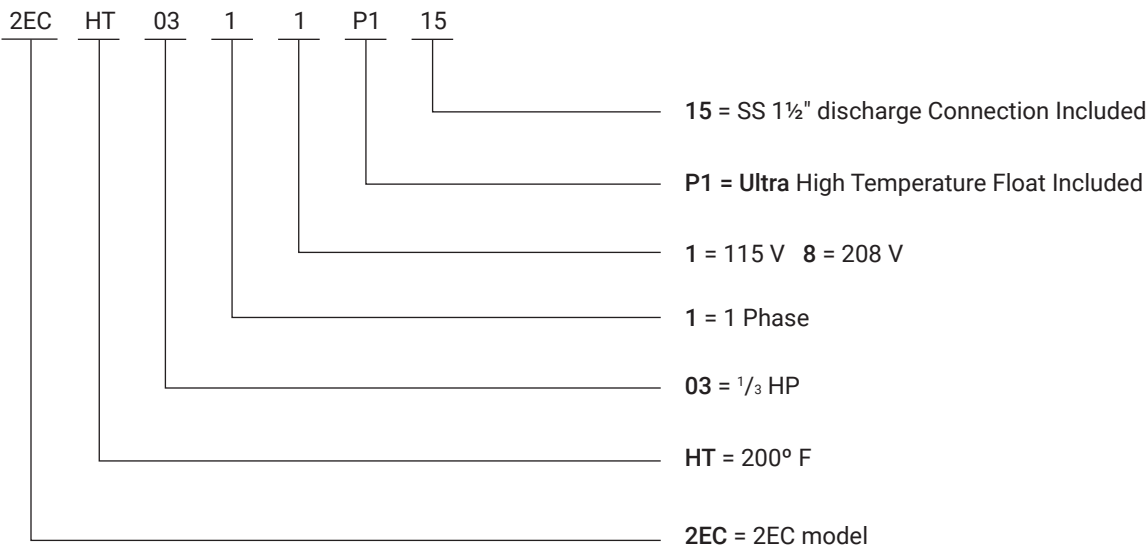


Models

Order number	HP	Phase	Volts	RPM	Impeller dia. in.(mm.)	Max. amps	LRA	KVA code	Full load motor eff.	Resistance		Wt. lbs. (kgs.)	Operation	Dis- charge
										Start	Line-line			
2ECHO311	1/3	1	115	1750	5.38 (136.7)	12	31.1	J	55	9.3	1.4	56 (25)	Manual	2"
2ECHO318			208			7.3	19.5	K	51	9.1	4.2			
2ECHO31115			115			12	31.1	J	55	9.3	1.4			
2ECHO31815			208			7.3	19.5	K	51	9.1	4.2			
2ECHO311P1			115			12	31.1	J	55	9.3	1.4		Auto- matic Float Includ- ed	2"
2ECHO318P1			208			7.3	19.5	K	51	9.1	4.2			
2ECHO311P115			115			12	31.1	J	55	9.3	1.4			1½"
2ECHO318P115			208			7.3	19.5	K	51	9.1	4.2			

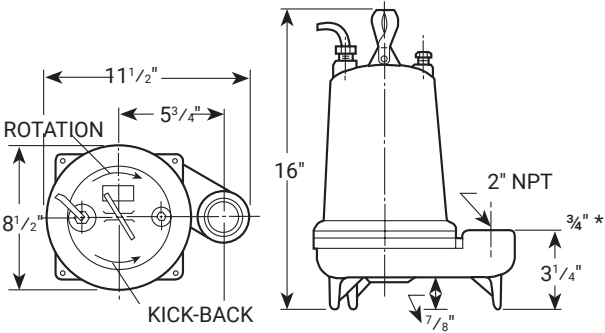
Accessory part numbers: A2SJRHT31 – 115V and A2SJRHT32 – 208V (ultra high-temperature float switch)

Nomenclature



Dimensions

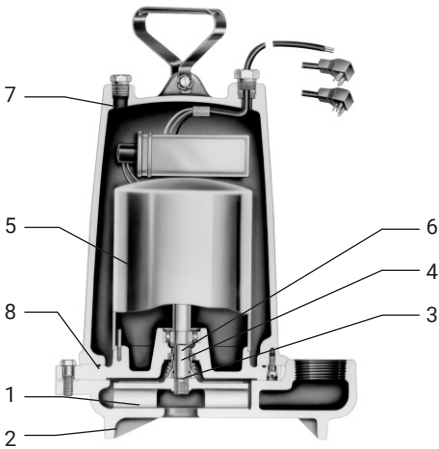
(All dimensions are in inches. Do not use for construction purposes.)



* 2" x 1½" adapter if used

Components

Item no.	Description
1	impeller
2	Casing
3	Mechanical seal
4	Motor shaft
5	Motor
6	Ball bearings
7	Power cable
8	Casing o-ring



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