



Model 30180-0003

SELF-PRIMING PUMP

Built In Dry Running Capability (up to 30 minutes)
After Initial Priming

FEATURES

- Body:** Bronze Construction
- Impeller:** JABSCO Nitrile
- Shaft:** 316 Stainless Steel Impeller Sleeve over Motor Shaft
- Wearplate:** Replaceable
- Shaft Seal:** Lip Type
- Ports:** 1 1/2" NPT, Internal
- Motor:** 1/3 HP, Capacitor Type, Open Drip Proof, Overload Protector, 1725 RPM, 60 Hz, Single Phase, 115 Vac, with 8 foot cord and plug wired for 115 Vac operation. MOTOR IS NOT EXPLOSION PROOF!
- Weight:** 31 lb (14.1 kg)

TYPICAL APPLICATIONS

MARINE: Bait Tank Circulation; Washdown, Utility Dockside Pump.

INDUSTRIAL: Industrial Filling Systems; Utility Shop Pump; Transfer Gum Arabic, Transfer Distilled Water; Recharge Water Softeners; Hydro-static Pressure Testing; Sump Pumping.

FOOD, BEVERAGE & DAIRY: Circulate Cooling Water; Defrost Refrigeration Coils; Fill Drums; Wash Down Equipment and Floors; Utility Pump.

HOME: Fill and Empty Tubs, Pools; Empty Basements and Cesspools; Water Systems; Water Lawns and Gardens; Remove Water from Low Areas; Recharge Water Softeners.

PLUMBING: Empty Clogged Drains, Empty Sumps, Sinks and Tubs; Pump Out Water Closets.

FARM: Fill Tractor Tires, Water Tanks; Pump out Silo Pits (liquid manure); Flush and Clean Animal Pens.

CONTRACTORS: Remove Water from Excavations; Supply Water to Mortar Boxes; Cement Mixing; Washdown Equipment.



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HEAD CAPACITY TABLE Average Performance New Pump

TOTAL HEAD				CAPACITY	
PSI	(bar)	FEET	METERS	GPM	LPM
5	(.35)	11.6	3.5	21	80
10	(.69)	23.1	7.0	20	75
15	(1.0)	34.7	10.6	18	70
20	(1.4)	46.2	14.1	17	65
25	(1.7)	57.8	17.6	15	55
30	(2.0)	69.3	21.1	12	45

Progressively longer life may be expected as operating pressures are reduced.

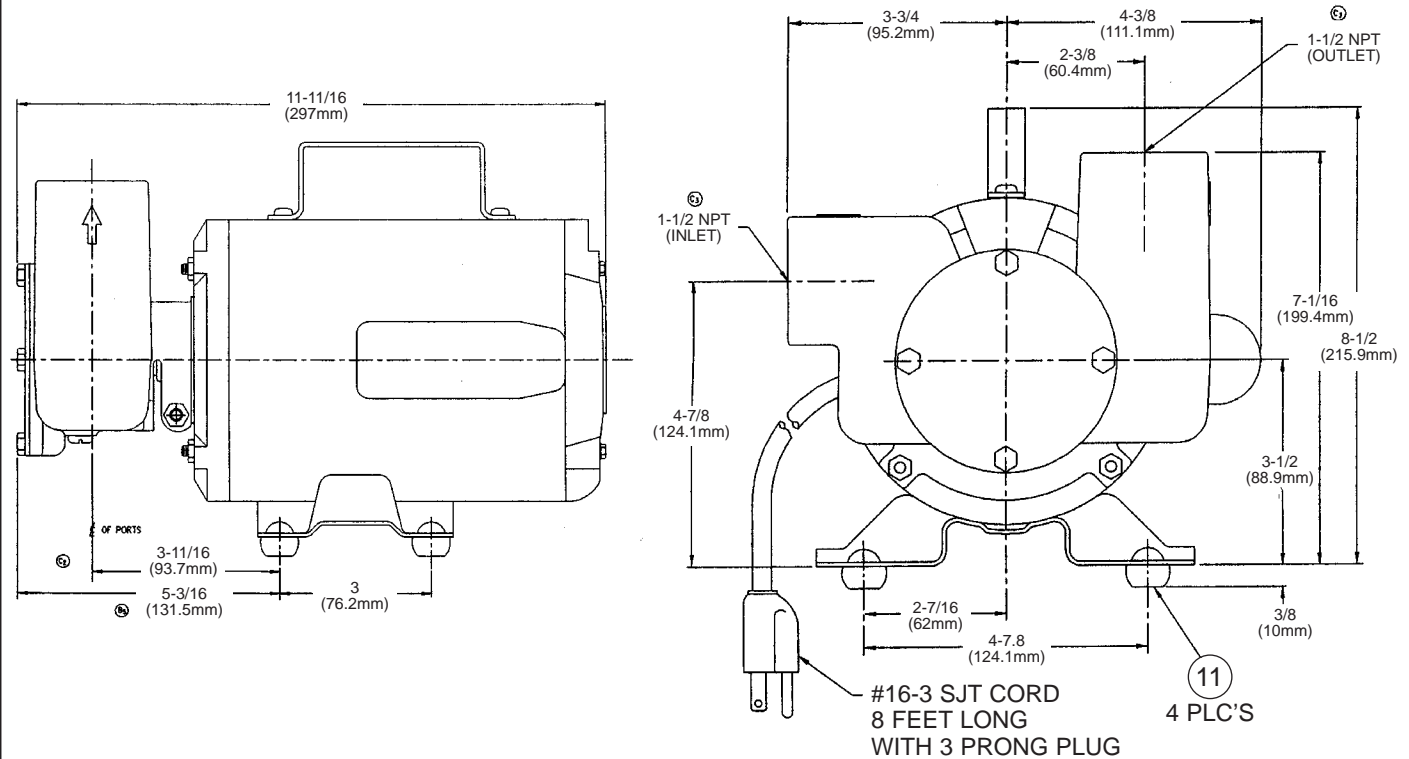
Table shows approximate Head-Flow for new pump in U.S. gallons and litres with nitrile impeller.



WARNING Explosion hazard. Do not use where flammable vapors are present. Do not pump solvents, thinners or gasoline. To do so can cause an explosion which can result in injury or death.

DIMENSIONAL DRAWING

INCHES (MILLIMETRES)



OPERATING INSTRUCTIONS

INSTALLATION

1. Pump must be mounted in a horizontal position. Mounting in horizontal position will maximize the "Dry Running" time.
2. Drive -Direct.
3. SELF-PRIMING-Pump will produce a suction lift approaching 10 feet when dry and a lift up to 22 feet when primed. BE SURE SUCTION LINES ARE AIRTIGHT or pump will not self-prime. Initial start up without any retained fluid should be for the short time possible-less than 1 minute recommended.
4. RUNNING DRY-This pump has a post operational "Dry Running" capability. This means once the inlet supply has dried up, the pump will run with minimal potential for impeller damage due to "dry running" by virtue of retaining trapped liquid in the pump for approximately 10 minutes. For optimum impeller life pump should be manually turned off as soon as inlet line is empty
5. NOTICE-Do not pump solvents, thinners, highly concentrated organic acids. Impeller and pump damage may occur. If corrosive fluids must be handled, consult Jabsco Chemical Resistance Chart (which is available upon request from ITT Jabsco). Pump life will be prolonged if pump is flushed with water after each use or after each work day.
6. PRESSURES-For continuous operation, discharge pressure should not exceed 20 psi (1,4 bar).
7. TEMPERATURES-Nitrile impeller supplied in pump is recommended for liquid temperatures of 50° to 180° F (10° to 83° C).
8. FREEZING WEATHER-Drain unit by loosening the end cover.

For technical advice or service please take your pump into your local pump service center.
To order pump or parts or for pricing please go to the following links :

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[Jabsco Pumps stock list >>](#)