SHALLOW WELL JET PUMPS
MPN SERIES

MPN Series Shallow Well Jet Pumps are corrosion and abrasion resistant and are ideal for wells with pumping levels of 25′ or less. Self-priming after the pump housing is initially filled with water.

Capacities to 18 GPM at 30 PSI. Available in 1/2, 3/4 and 1 HP models. Supplied with the industry standard 30-50 pressure switch setting.

APPLICATIONS

Water systems such as booster pump, marine, poultry, mist sprayers, fountains, and water features.

FEATURES

- **Quality Construction:** Fiberglass-reinforced thermoplastic body provides total corrosion resistance and high resistance to abrasion.
- **Built-in Jet:** Shallow-well jet has corrosion-resistant engineered composite nozzle and venturi.
- **Impeller:** Precision-molded for perfect balance. Ultra-smooth for highest performance and efficiency.
- **Precision Molded Diffuser:** Engineered composite diffuser allows pump to prime faster, handle more air.
- **Heavy Duty Motor:** Stainless steel shaft and dual heavy-duty ball bearings.
- **Heavy Duty Ball Bearings:** Shielded, permanently lubricated bearings, extensively tested to ensure extended life and smooth, quiet operation.
- **Dual Voltage Capability:** 1/2, 3/4 and 1 HP models have dual voltage motors and are shipped at 230 Volt setting.
- **Professional Quality:** Pre-set 30-50 PSI allows for cut-in pressure adjustments.
- **New Nozzle Clean-out:** Easy plug removal and access for ease of service.
- **New Drain Plug:** Bottom-mounted for easy draining and winterization.

SPECIFICATIONS

- **Body and Seal Plate:** Fiberglass-reinforced thermoplastic.
- **Impeller:** Engineered composite.
- **Base:** 10-gauge steel.
- **Nozzle, Venturi, Diffuser:** Engineered composite.

ORDERING INFORMATION

CATALOG NUMBER	HP	DESCRIPTION	PIPE TAPPING SIZES		MOTOR VOLTAGE	APPROX. WT. LBS. / KG.
			SUCT.	DISCH.		
MPNC	1/2	Base Mounted Pump	1-1/4″	1″	115/230	21 / 9.5
MPND	3/4	Base Mounted Pump	1-1/4″	1″	115/230	24 / 11
MPNE	1	Base Mounted Pump	1-1/4″	1″	115/230	26 / 12

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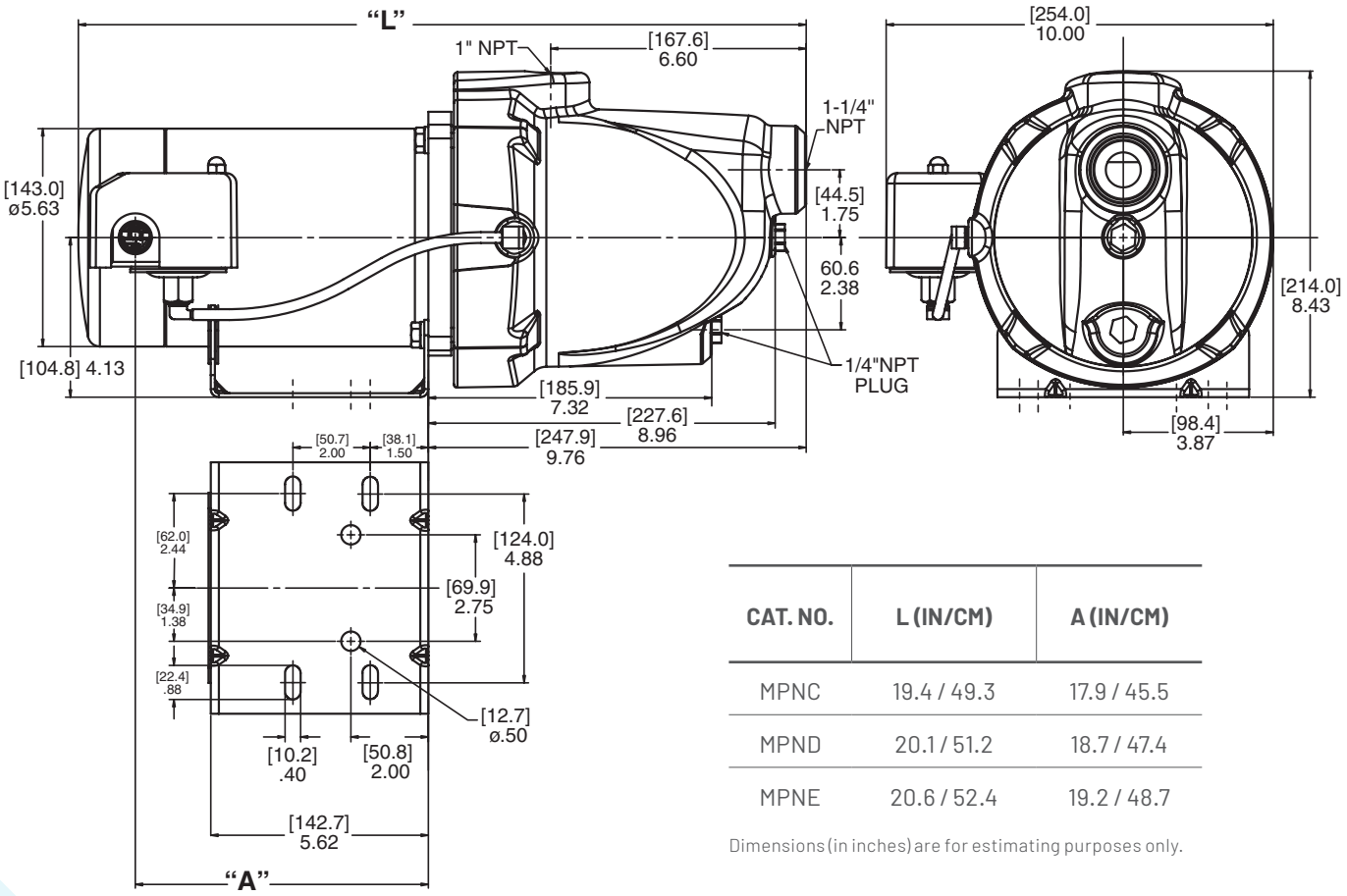
OUTLINE DIMENSIONS



CAT. NO.	L (IN/CM)	A (IN/CM)
MPNC	19.4 / 49.3	17.9 / 45.5
MPND	20.1 / 51.2	18.7 / 47.4
MPNE	20.6 / 52.4	19.2 / 48.7

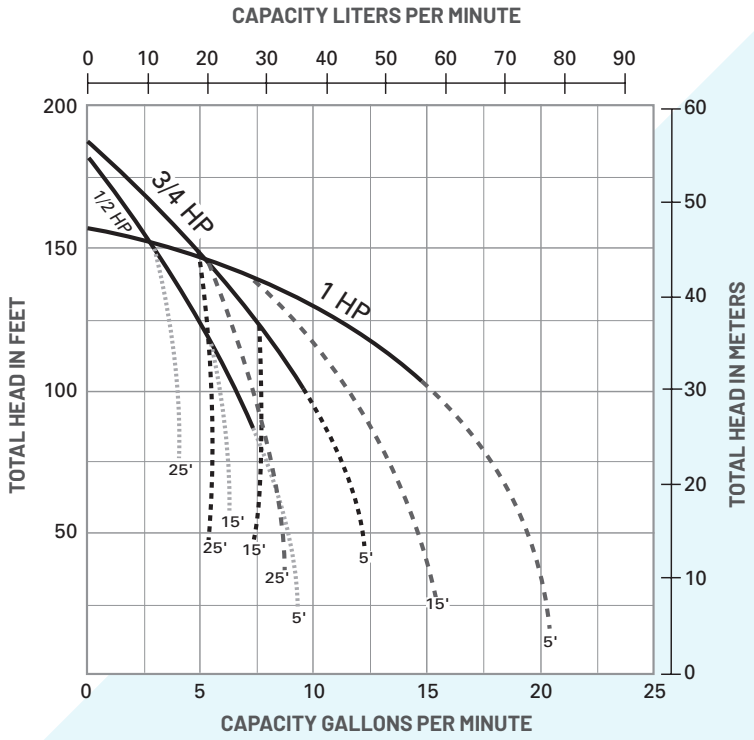
Dimensions (in inches) are for estimating purposes only.

PUMP PERFORMANCE

CATALOG NUMBER	HP	TOTAL SUCTION LIFT FT / M	DISCHARGE PRESSURE PSI / BAR			SHUT-OFF PSI / BAR
			30 / 2.1	40 / 2.8	50 / 3.5	
MPNC	1/2	5 / 1.5	8.5 / 32.2	7.4 / 28.0	5.2 / 19.7	77 / 5.30
		10 / 3.0	7.1 / 26.9	6.4 / 24.2	5.1 / 19.3	
		15 / 4.6	6.5 / 24.6	6.1 / 23.1	4.5 / 17.0	
		20 / 6.1	5.4 / 20.4	5.1 / 19.3	4.1 / 15.5	
		25 / 7.6	4.1 / 15.5	4.0 / 15.1	3.4 / 12.9	
MPND	3/4	5 / 1.5	12.1 / 45.8	10.7 / 40.5	8.5 / 32.2	78 / 5.37
		10 / 3.0	10.7 / 40.5	10.2 / 38.6	8.4 / 31.8	
		15 / 4.6	9.0 / 34.1	8.5 / 32.2	8.1 / 30.7	
		20 / 6.1	7.6 / 28.8	7.3 / 27.6	7.1 / 26.9	
		25 / 7.6	5.3 / 20.1	5.7 / 21.6	5.1 / 19.3	
MPNE	1	5 / 1.5	18 / 68.1	16.8 / 63.6	13.5 / 51.1	67 / 4.62
		10 / 3.0	17.1 / 64.7	16.1 / 60.9	13.4 / 50.7	
		15 / 4.6	14.9 / 56.4	14.4 / 54.5	13 / 49.2	
		20 / 6.1	12.6 / 47.7	12.2 / 46.2	12 / 45.4	
		25 / 7.6	8.8 / 33.3	8.5 / 32.2	8.1 / 30.7	

Pumps will operate at all depths shown, with pressure switch set at 30-50 PSI. Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



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