

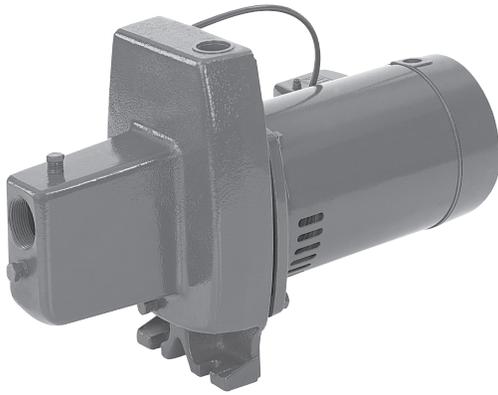
# CAST IRON SELF-PRIMING SHALLOW WELL JET PUMPS

## MFN SERIES

The MFN Series cast iron, self-priming shallow well jet pump provides strong performance with good pressure for wells to 25' deep. Self-priming after the priming chamber has been filled with water.

### APPLICATIONS

Water systems and sprinkling for home, farms, and cottages.



### SPECIFICATIONS

- ◆ **MFNC PRIMING TIME** (in minutes):
  - 15': 2.25 minutes max.
  - 25': 6.5 minutes max.
- ◆ **MFND PRIMING TIME** (in minutes):
  - 15': 1.7 minutes max.
  - 25': 4.4 minutes max.
- ◆ **MAX. LIQUID TEMPERATURE:** 140°F.
- ◆ **MFNC MAX. INLET PRESSURE:** 60 psi.
- ◆ **MFND MAX. INLET PRESSURE:** 50 psi.
- ◆ **MAX. INLET PSI + PUMP DISCHARGE PSI:** Not to exceed 100 psi.
- ◆ Body and Base: Close-grained cast iron.
- ◆ Nozzle: High-strength polycarbonate.
- ◆ Venturi: Polycarbonate.
- ◆ Impeller: Noryl®.
- ◆ Diffuser: Reinforced polypropylene.
- ◆ Shaft: One piece threaded stainless steel.

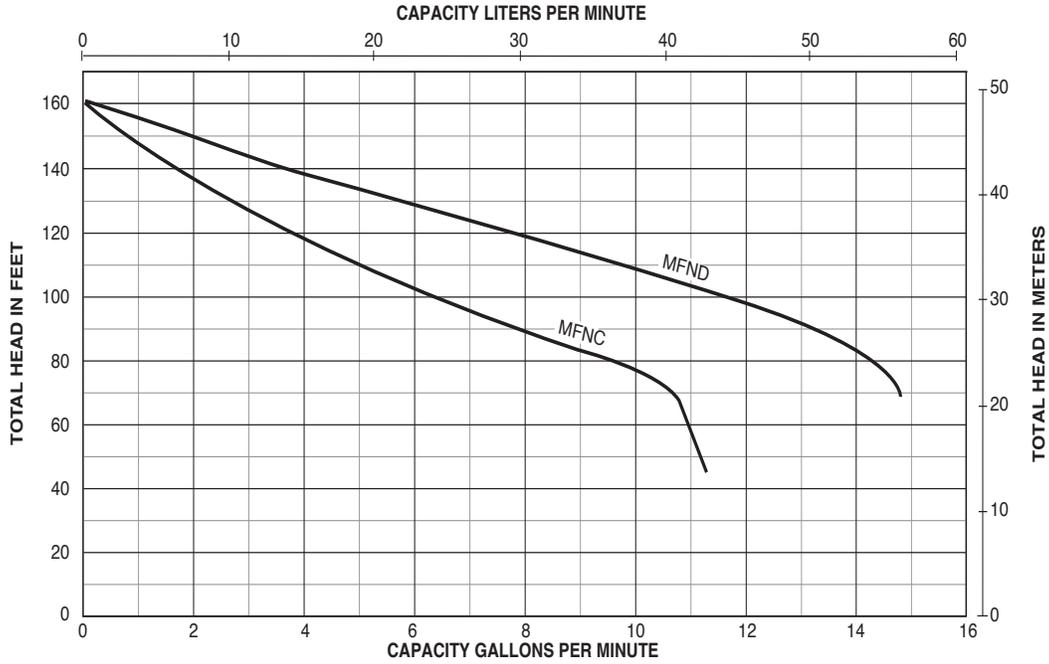
### FEATURES

- ◆ **QUALITY CONSTRUCTION:** Close-grained cast iron body and base, specially treated for corrosion resistance. Drain port provided for easy winterizing.
- ◆ **BUILT-IN JET:** High-strength polycarbonate nozzle and venturi for maximum resistance to corrosion and abrasion. Clean out plug provided for ease of service.
- ◆ **NORYL IMPELLER:** Precision-molded for perfect balance; ultra smooth for highest performance and efficiency.
- ◆ **PRECISION-MOLDED DIFFUSER:** Pump primes faster, handles more air, with multi-port, precision-molded, reinforced polypropylene diffuser.
- ◆ **MECHANICAL SHAFT SEAL:** Precision lapped and highly polished carbon-ceramic, stainless steel construction. Internal design guarantees continuous water lubrication.
- ◆ **MOTOR WINDINGS:** Superior insulation materials protect against excessive moisture and contaminants assure prolonged motor life.
- ◆ **BALANCED ROTOR:** Die cast under high pressures for uniform performance and greater efficiency, dynamically balanced.
- ◆ **HEAVY-DUTY BALL BEARINGS:** Sealed, permanently lubricated bearings, extensively tested to ensure extended life and smooth, quiet operation.
- ◆ **PUMP AND MOTOR SHAFT:** Stainless steel for maximum corrosion resistance; one piece threaded shaft for positive impeller drive and alignment.
- ◆ **DUST PROOF COVER:** All electrical components are protected from dirt, dust and insects by a dust proof canopy; ventilating air cannot contaminate vital switching components.
- ◆ **PRESSURE SWITCH:** Adjustable cut-in and fixed differential (20 psi).

### ORDERING INFORMATION

CATALOG NUMBER	HP	SWITCH SETTINGS	PIPE TAPPING SIZES		MOTOR VOLTAGE	APPROX. WT. LBS.
			SUCTION	DISCHARGE		
MFNC	1/2	30-50	1-1/4"	1"	115/230	46
MFND	3/4	30-50	1-1/4"	1"	115/230	47

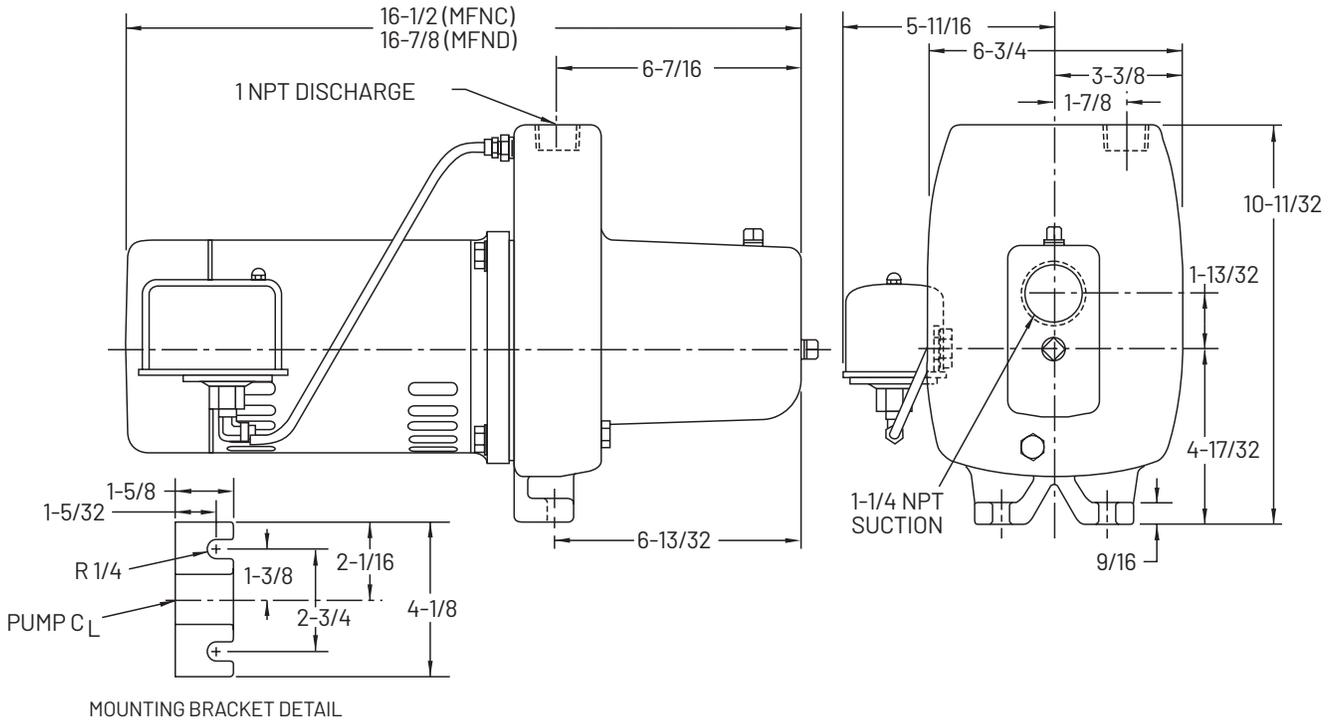
PERFORMANCE DATA



CATALOG #	HP	DISCHARGE PRESSURE		DYNAMIC SUCTION LIFT					SHUT-OFF PRESSURE PSI
		PSI	FEET HEAD	5'	10'	15'	20'	25'	
MFNC	1/2	20	46.2	9.8	8.8	7.5	6.2	4.5	69
		30	69.3	9.2	8.2	7.2	5.9	4.2	
		40	92.4	6.9	6.0	5.3	4.5	4.0	
		50	115.5	3.8	3.5	2.7	1.9	1.4	
MFND	3/4	30	69.3	15.0	13.0	11.6	8.7	6.9	70
		40	92.4	12.5	11.4	10.1	8.2	6.8	
		50	115.5	8.0	6.8	6.1	4.8	3.5	

Capacity in gallons per minute.

**DIMENSIONAL DATA**



Dimensions (in inches) are for estimating purposes only.



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