PENTAIR MYERS

DATA SHEET

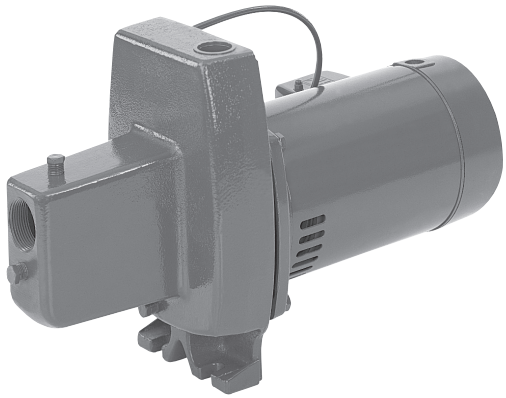
CAST IRON, SELF-PRIMING SHALLOW WELL JET PUMPS

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

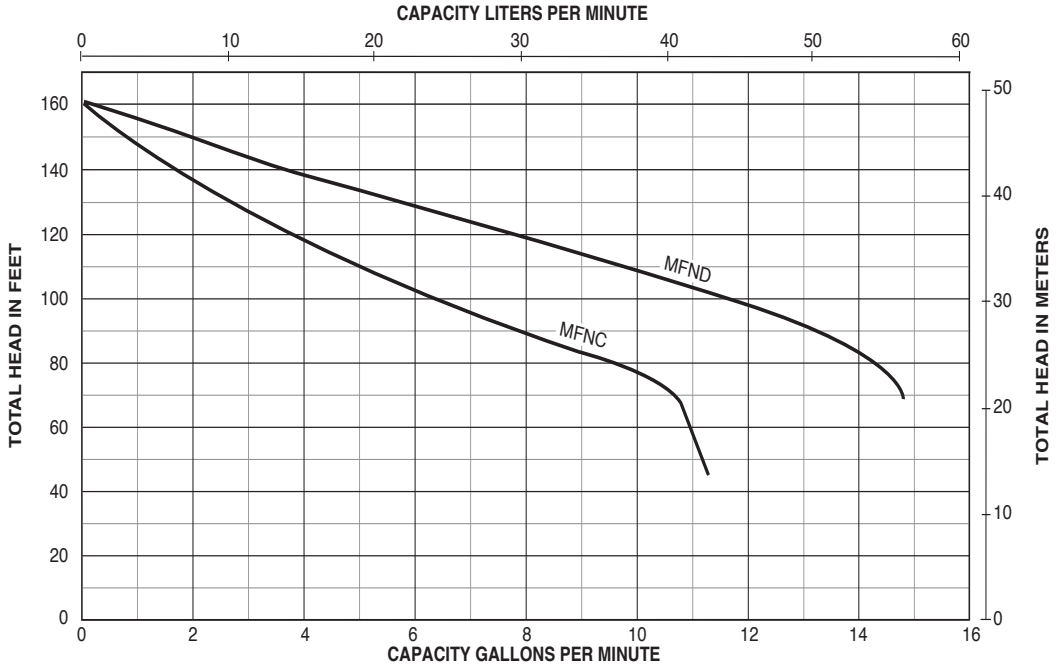
- **QUALITY CONSTRUCTION**: Close-grained cast iron body and base, specially treated for corrosion resistance. Drain port provided for easy winterizing.
- **BUILT-IN JET**: High-strength polycarbonate nozzle and venturi for maximum resistance to corrosion and abrasion. Clean out plug provided for ease 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

MY1048 (02-01-23)

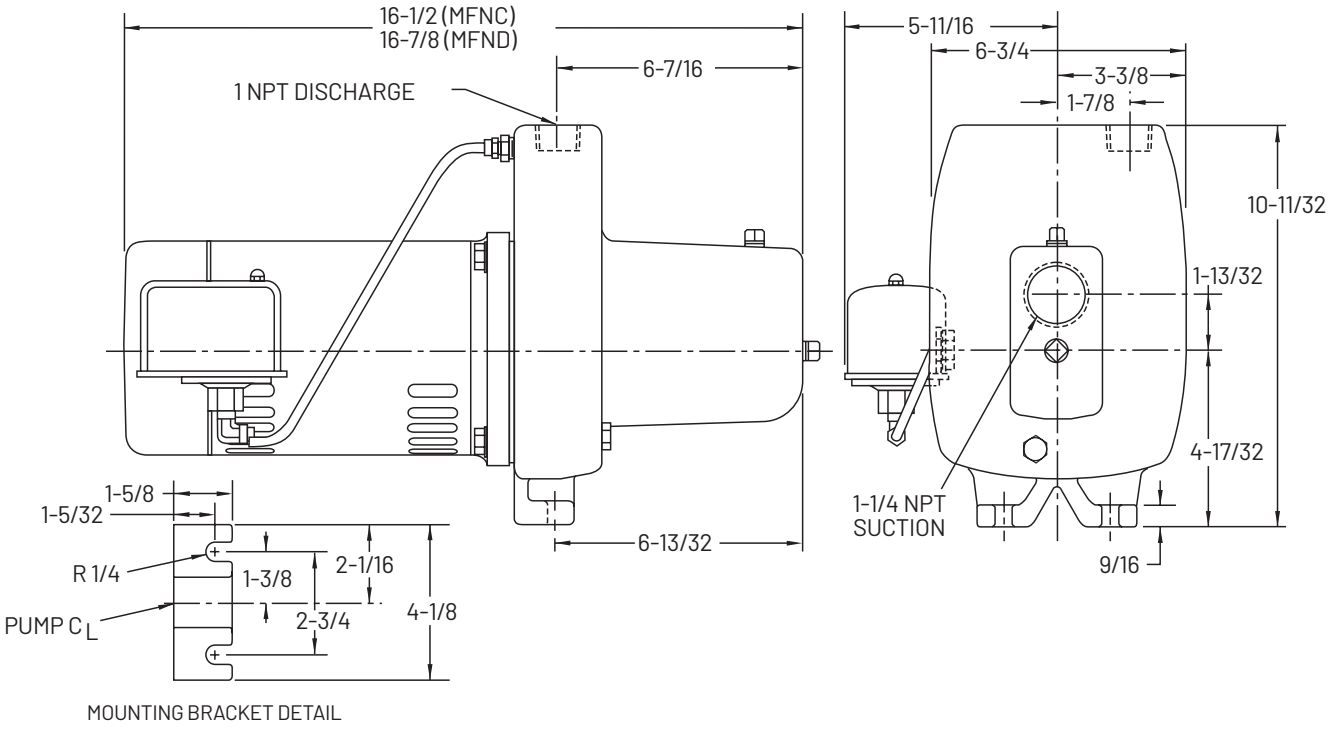
PERFORMANCE DATA



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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