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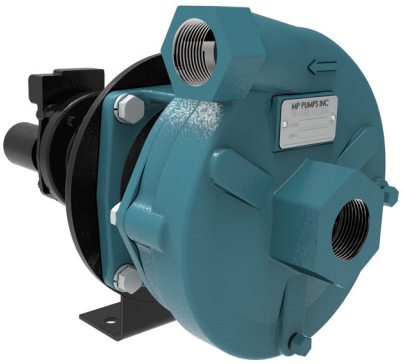

SERIES 60 Hydraulic

1-1/4″ x 1″ End Suction Centrifugal Pump

The Series 60 is a high-performance hydraulic end suction centrifugal pump engineered for demanding applications across agriculture, industrial operations, marine environments, and OEM systems. Designed for versatility and reliability, it offers multiple hydraulic motor options to meet diverse flow and pressure requirements.

Built from premium materials, including cast iron and bronze, the Series 60 handles a wide range of liquids with durability and efficiency. Stainless steel fasteners minimize corrosion for extended service life, while dynamically balanced impellers enhance performance and reduce bearing wear. The standard carbon/ceramic/Viton mechanical seal is self-adjusting and corrosion-resistant, ensuring dependable operation in challenging conditions.

SPECIFICATIONS:

Suction / Discharge	1-1/4″ x 1″ NPT
Materials of Construction	Cast Iron, Ductile Iron
Flow	Up to 100 GPM (22.7 m^3/h)
Head Feet	Up to 400′ (122 m)
Impeller	5.47″ (138.9 mm) enclosed, cast iron
Motor	Gerotor
Seal	Standard carbon / ceramic / Viton
Drive Options	Hydraulic motor 0.22 cu. in. (3.61 cm^3) Hydraulic motor 0.37 cu. in. (6.06 cm^3) Hydraulic motor 0.45 cu. in. (7.37 cm^3) Hydraulic motor 0.58 cu. in. (9.50 cm^3)
Max Solid Size	.11″ (2.8 mm)
Hydraulic Fluid Flow	Up to 16 GPM (3.6 m^3/h)
Options	Hydraulic motors with flow controls
Hydraulic System Pressure	Up to 2500 PSI (172 bar)
PSI / bar	Up to 173 PSI / 12 bar

Application:

- Agricultural
- Industrial
- Marine
- OEM

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SERIES 60 Hydraulic

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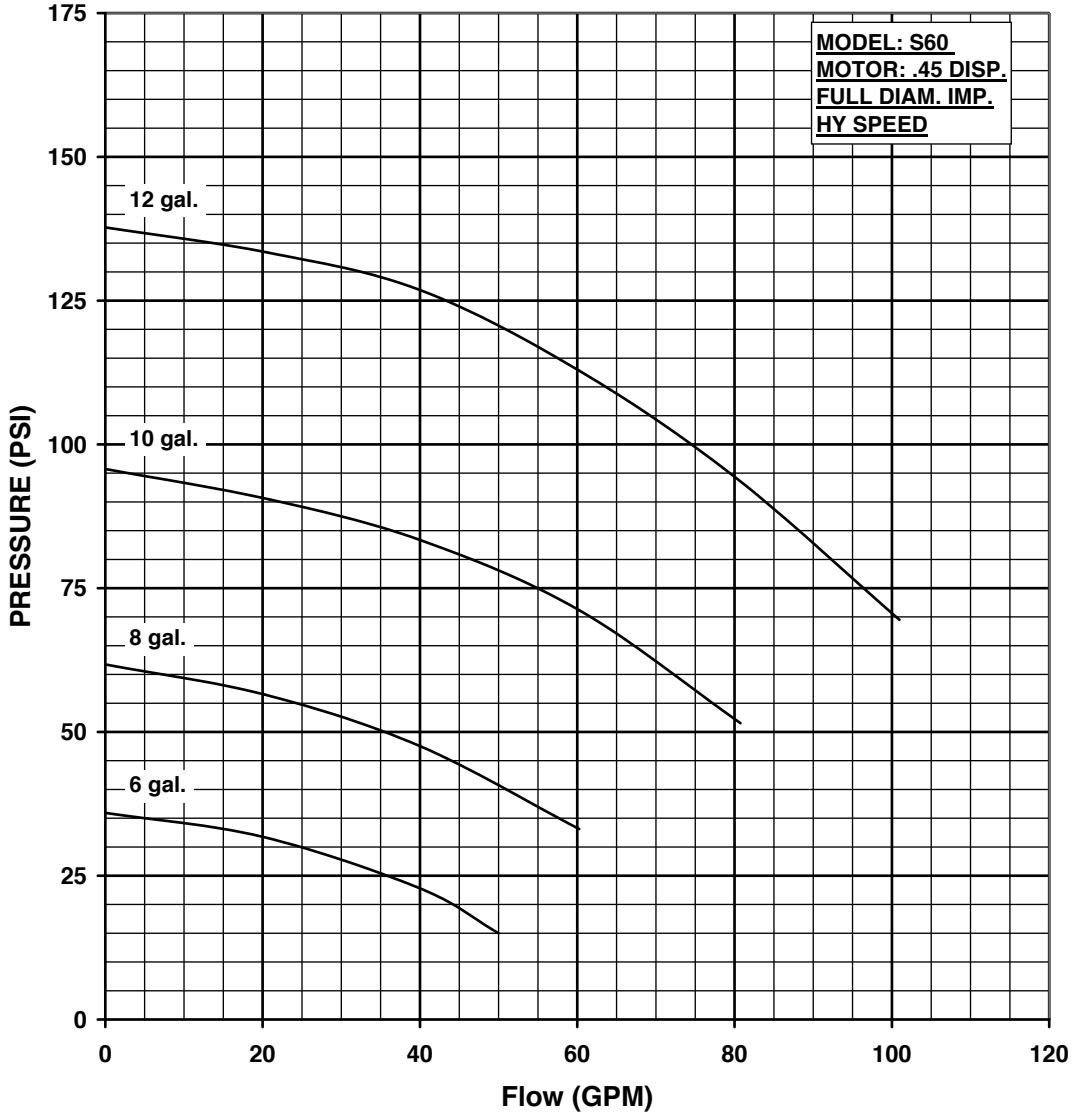
PERFORMANCE CURVES



OIL FLOW	SHUT OFF 0 GPM	10 GPM	20 GPM	30 GPM	40 GPM	50 GPM	60 GPM	70 GPM	80 GPM	90 GPM	100 GPM	MAX. HYD. OIL PRESS.REQ.
6 GPM	36 PSI	34 PSI	32 PSI	27 PSI	23 PSI	15 PSI	-	-	-	-	-	650 PSI
8 GPM	62 PSI	59 PSI	57 PSI	53 PSI	48 PSI	41 PSI	33 PSI	-	-	-	-	950 PSI
10 GPM	96 PSI	93 PSI	91 PSI	87 PSI	83 PSI	78 PSI	72 PSI	62 PSI	52 PSI	-	-	1400 PSI
12 GPM	137 PSI	136 PSI	133 PSI	131 PSI	127 PSI	121 PSI	113 PSI	104 PSI	94 PSI	83 PSI	70 PSI	1800 PSI

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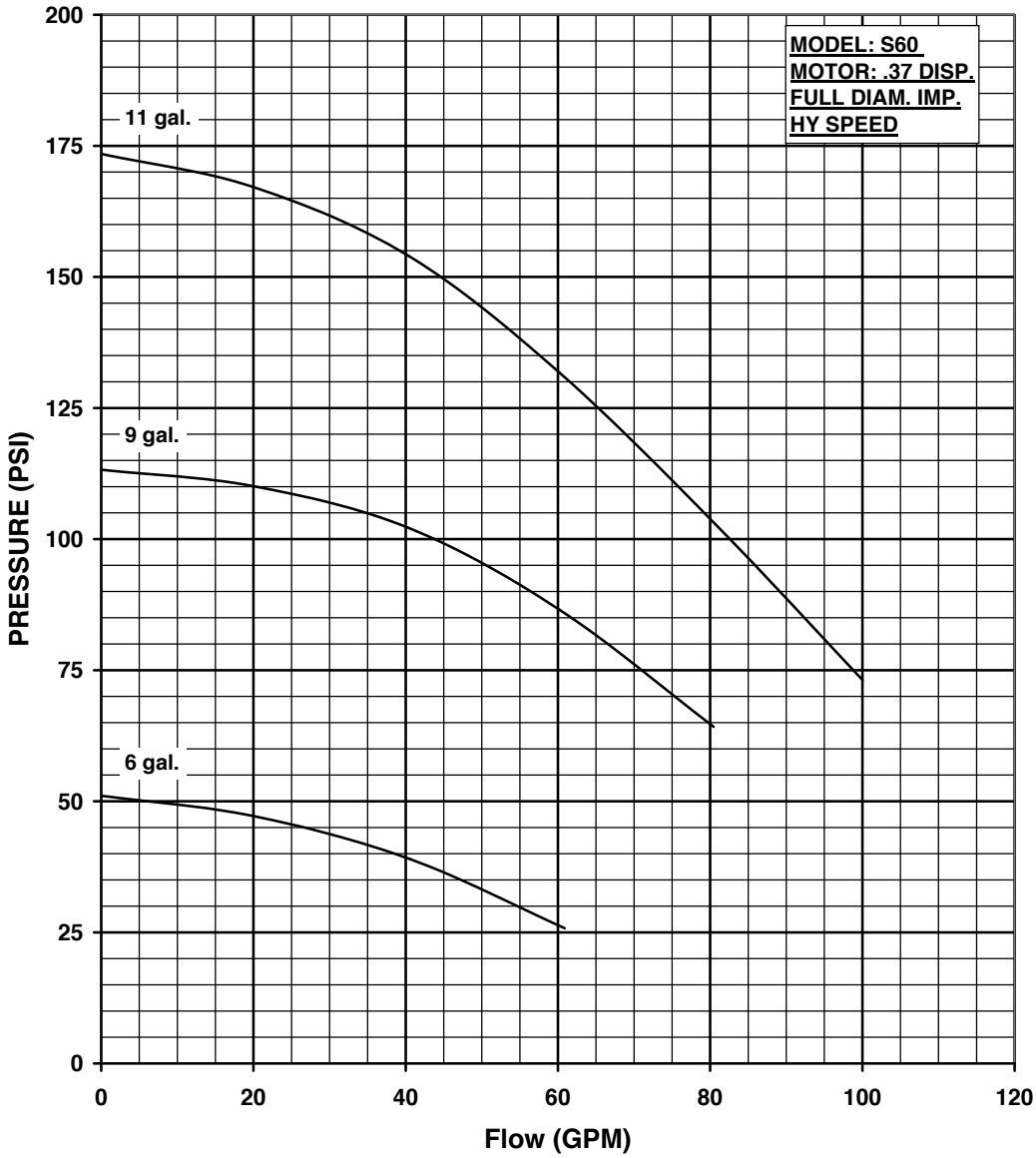

OIL FLOW	SHUT OFF 0 GPM	10 GPM	20 GPM	30 GPM	40 GPM	50 GPM	60 GPM	70 GPM	80 GPM	90 GPM	100 GPM	MAX. HYD. OIL PRESS.REQ.
6 GPM	51 PSI	49 PSI	47 PSI	44 PSI	39 PSI	33 PSI	26 PSI	-	-	-	-	950 PSI
9 GPM	113 PSI	112 PSI	110 PSI	106 PSI	102 PSI	96 PSI	87 PSI	76 PSI	65 PSI	-	-	1800 PSI
11 GPM	174 PSI	171 PSI	167 PSI	161 PSI	154 PSI	144 PSI	132 PSI	118 PSI	104 PSI	98 PSI	68 PSI	2300 PSI

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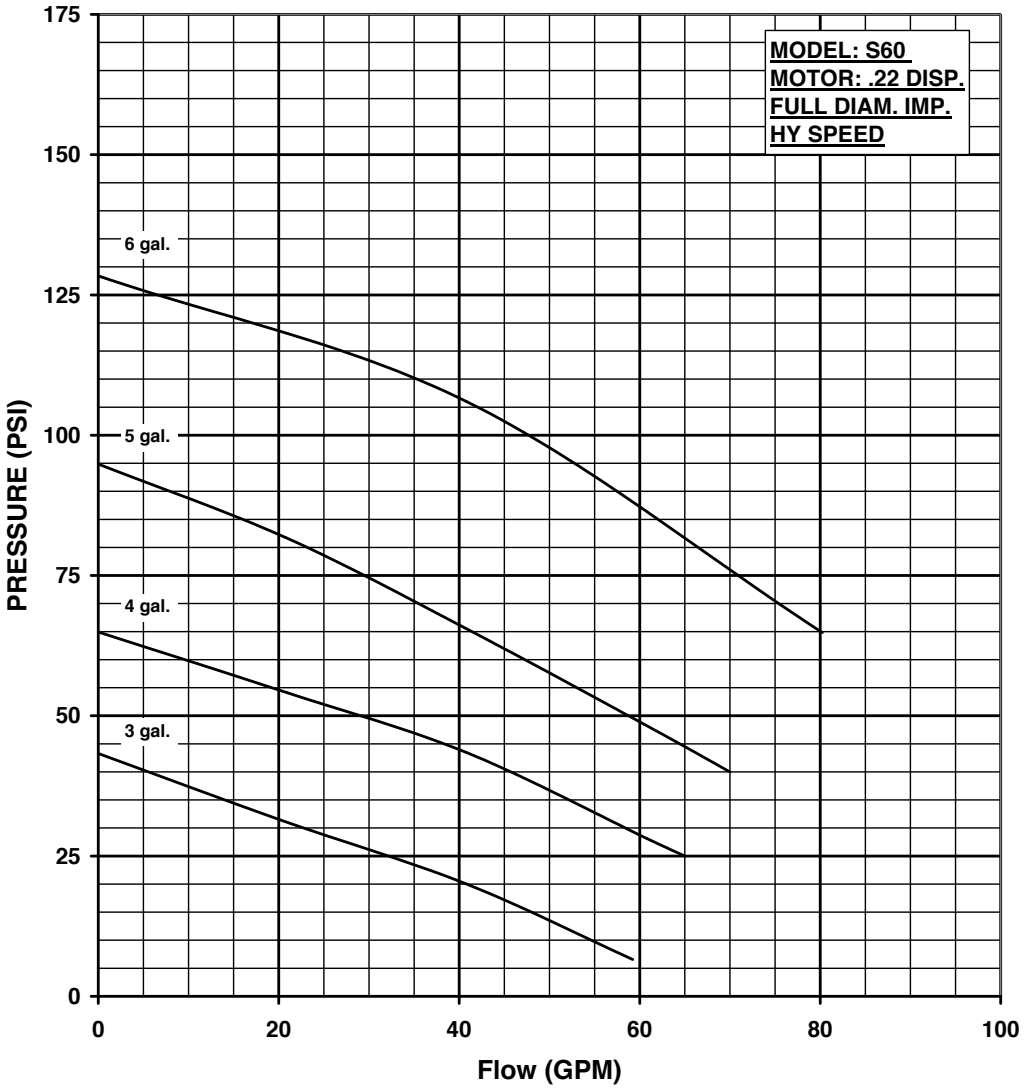

OIL FLOW	SHUT OFF 0 GPM	10 GPM	20 GPM	30 GPM	40 GPM	50 GPM	60 GPM	70 GPM	80 GPM	MAX. HYD. OIL PRESS.REQ.
3 GPM	43 PSI	37 PSI	31 PSI	26 PSI	20 PSI	13 PSI	-	-	-	1500 PSI
4 GPM	65 PSI	60 PSI	55 PSI	50 PSI	44 PSI	36 PSI	28 PSI	-	-	1800 PSI
5 GPM	95 PSI	89 PSI	82 PSI	75 PSI	66 PSI	57 PSI	49 PSI	40 PSI	-	2200 PSI
6 GPM	129 PSI	123 PSI	118 PSI	113 PSI	106 PSI	97 PSI	87 PSI	75 PSI	65 PSI	2500 PSI

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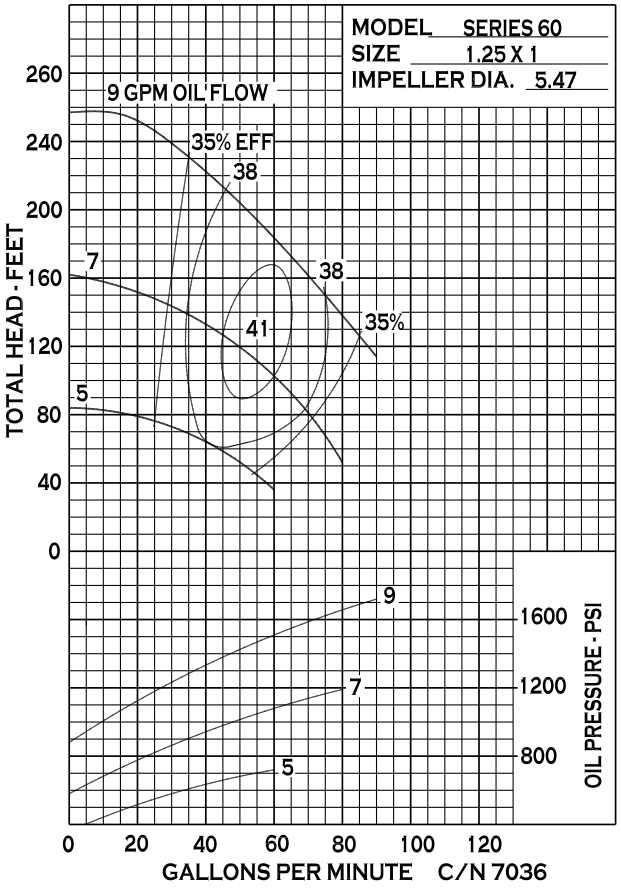

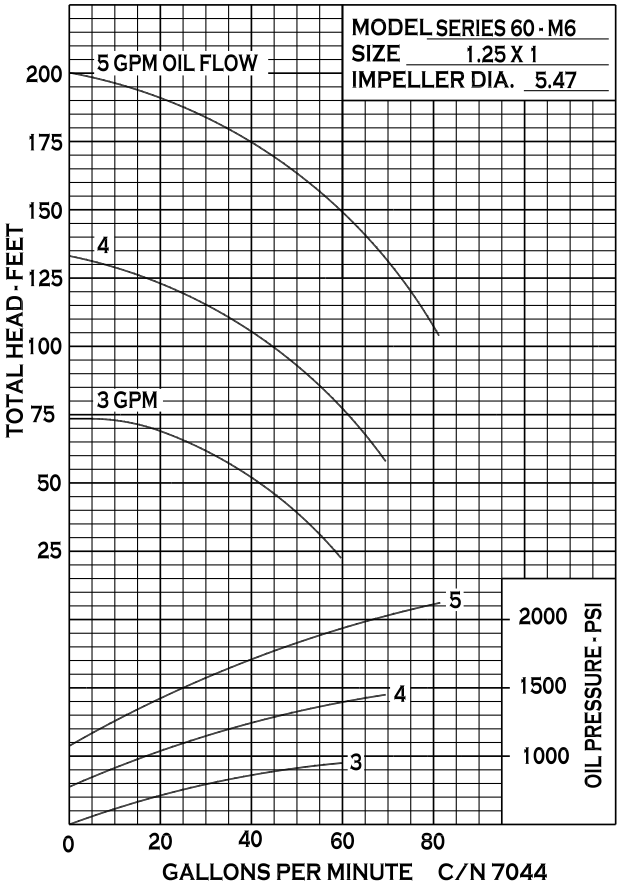

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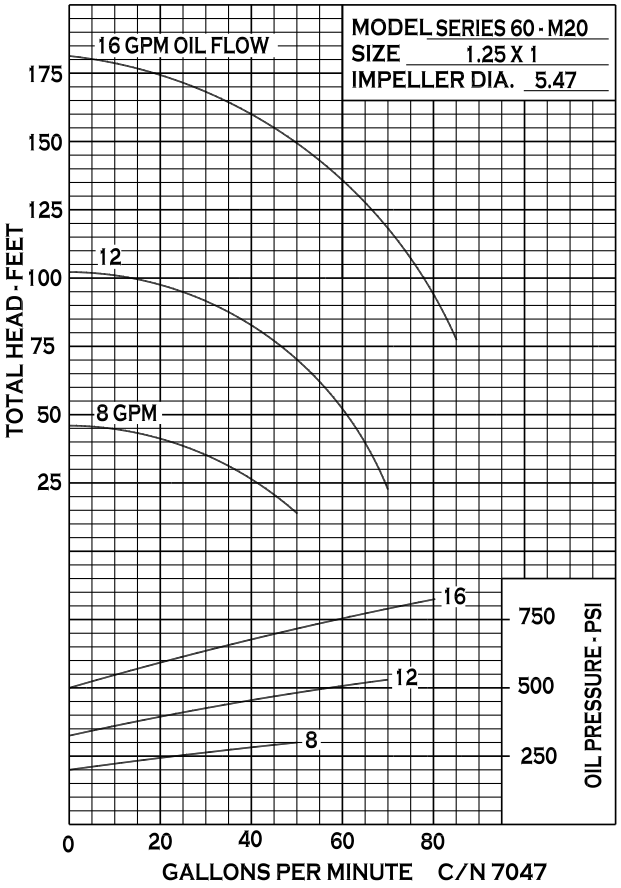

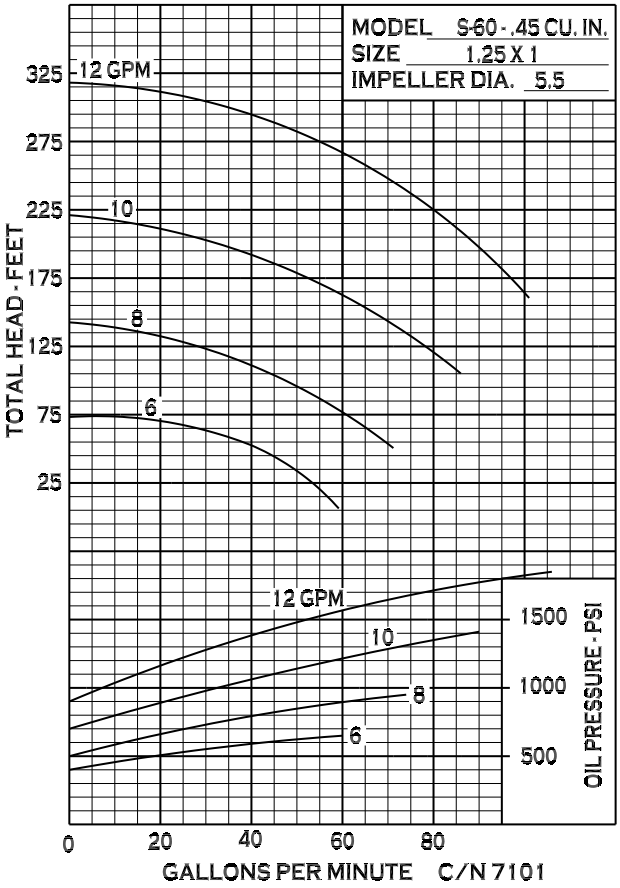

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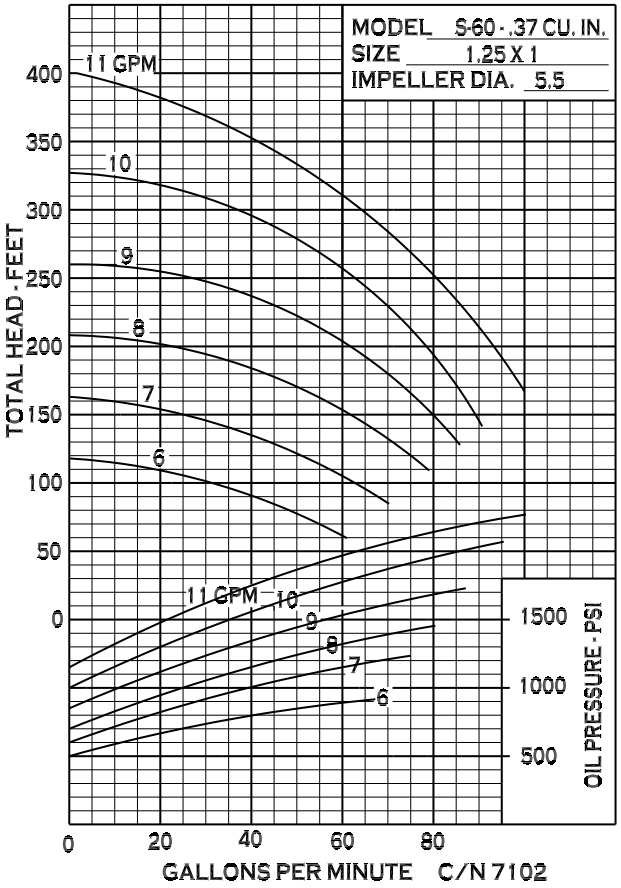

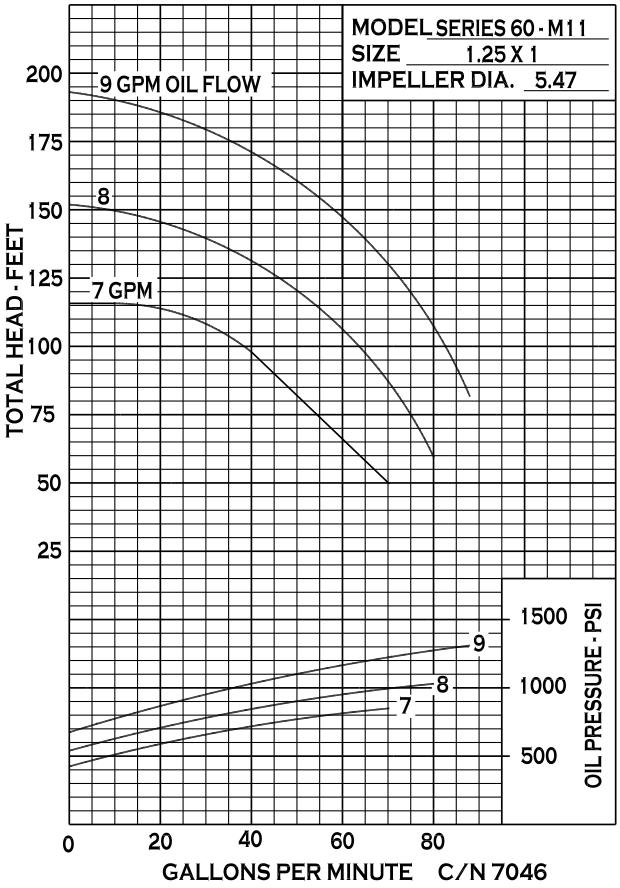

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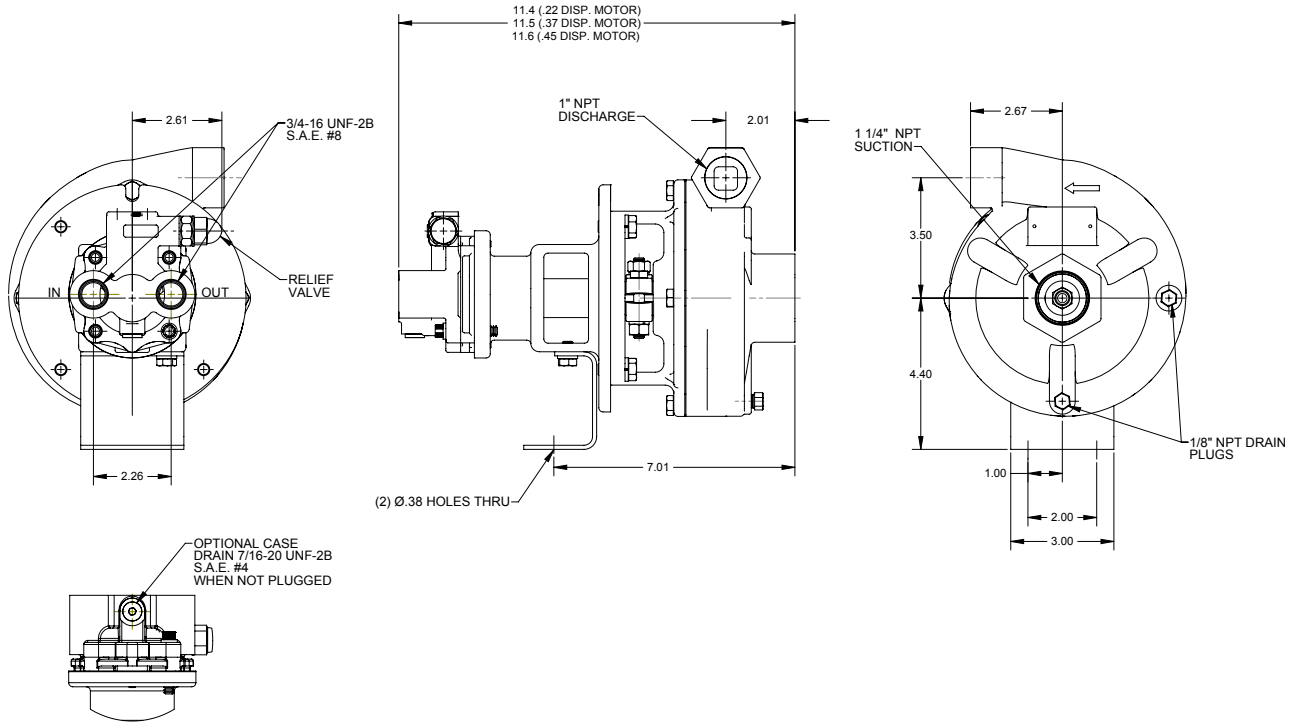
DIMENSIONS

S-60 HYDRAULIC INSTALLATION (MP36273)



* For complete parts lists and troubleshooting guidance, please refer to the MP Pumps Installation Operation & Maintenance (IOM) Manual.

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