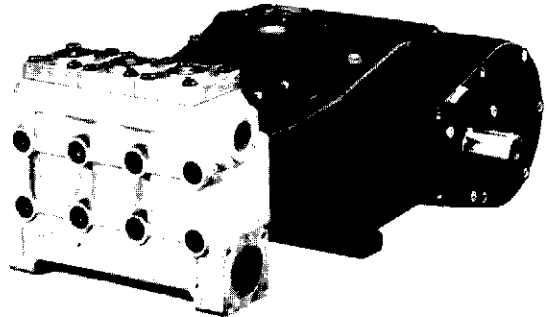


APPLICATIONS

MSN Series pumps with built-in gear reducer are designed for a wide range of industrial applications which include high pressure cleaning systems, hydrostatic test equipment, pipe and sewer cleaning equipment, water purification systems and other high flow, high pressure multiple nozzle systems for factories and foundries.

FEATURES

- Built-in gear reducer (2.0 ratio)
- Heavy cast iron crankcase
- Nickel-treated nodular cast iron manifold
- Optional stainless steel manifold
- Self-adjusting shaft bearings with double roller rim
- Double projection, gas-nitride, hardened steel crankshaft
- Anti-friction bronze connecting rods
- Stainless steel valves
- Ceramic-coated stainless steel plungers



PERFORMANCE DATA

RPM	MSN 36	MSN 40	MSN 45	MSN 50	MSN 55	FLOW
1000	23.9	29.6	37.5	46.4	55.9	GPM
1200	28.5	35.3	44.8	55.4	66.7	GPM
1400	31.2	41.0	52.1	64.4	77.6	GPM
1500	35.6	44.1	56.0	69.2	83.4	GPM
MAX PSI	4350	3500	2900	2250	1800	

HORSEPOWER FORMULA		RPM FORMULA	
$\frac{\text{GPM} \times \text{PSI}}{1460} = \text{REQUIRED BRAKE H.P.}$		$\frac{\text{RATED RPM} \times \text{DESIRED GPM}}{\text{RATED GPM}} = \text{PUMP RPM}$	

SPECIFICATIONS

- Volumes 35.6 - 83.4 GPM
- Discharge Pressure 1800 - 4350 PSI
- Max. Inlet Pressure Flooded to 45 PSI Max.
- Fluid Temperature 150°F Max *
- Crankcase Capacity 132 oz.
- Inlet Hosebarb for 3 in. ID Hose
- DischargePort 1-1/4 in. BGT
- Discharge Fitting 1-1/4 in. NPT M
- Shaft Diameter 50 mm
- Weight 520 lbs.
- Dimensions 27.7 in. L x 19.5 in. W x 11.9 in. H

Performance data stated at 100% volumetric efficiency. Based on inlet water conditions, pump volumetric efficiency is 95% or greater.

*See Fluid Temperature Section

SIDE VIEW

END VIEW

