



Omaha Standard Dump Body and Hoist Reference Guide

Hydraulic Gear Pump Data Sheet - GP Series

Pump Model	GP-919	GP-1538
Mounting Flange	SAE "A", 2 Bolt	SAE "B", 2 Bolt
Shaft	5/8 Dia. SAE "A", 9 Tooth Splined	7/8 Dia. SAE "B", 13 Tooth Splined
Direction, CW or CCW (Looking at front of pump)	CCW, Standard can be field modified for CW	CCW, Standard can be field modified for CW
Displacement, in. ³	1.16	2.31
Flow Rate in G.P.M. (90% Efficiency)		
at 1000 Pump RPM	4.50	9.03
at 1500 Pump RPM	6.78	13.50
at 2000 Pump RPM	9.04	18.00
at 2500 Pump RPM	11.30	22.50
Maximum Rated Pump Pressure	4000 PSI	4000 PSI
Maximum Rated Pump Speed	3000 RPM	3000 RPM
Recommended PTO Speed Ratio	(PTO Output Shaft Speed / Engine Speed)	
Gas Engine	80 - 100%	80 - 100%
Diesel Engine	120 - 140%	120 - 140%
PTO Recommendations		
MUNCIE Type	R	D, K, S
CHELSEA Type	XE	AK, XK, XQ
Port Options, Side or Rear	Both	Both
Inlet Port Size - Low Pressure	SAE Straight Thread w/ O-Ring 1-5/16-12 or Dash 16	SAE Straight Thread w/ O-Ring 1-5/8-12 or Dash 20
Outlet Port Size - High Pressure	SAE Straight Thread w/ O-Ring 1-1/16-12 or Dash 12	SAE Straight Thread w/ O-Ring 1-5/16-12 or Dash 16
Weight in lbs.	9.20	19.68
Omaha Standard Hoist Models	520 DH & Smaller All Subframes All Dump Bodies	624 DH & Larger All Olympic