

HP165**SPLASH-GRAVITY FEED POWER END LUBRICATION****WHEATLEY****SPECIFICATIONS:****MODEL HP165 4 1/2" STROKE QUINTUPLEX PLUNGER PUMP**

No. of Plungers: 5

Stroke Length: 4 1/2"

Plunger Load: 6600 LBF

Crank Pin: 3.75" Diameter
3.63" WideCrank Shaft: 3.875" Diameter
1" x 1/2" KWY

Oil Capacity: 7 U.S. Gallons

Pump Weights by Model:
HP165AL = 2995 LBM
HP165AM = 2700 LBM
HP165MS = 2750 LBM

Standard Connections

For Fluid End Bodies:

HP165AL: Cast

6" ANSI 150 Suction

3" ANSI 600 Discharge

HP165AL: Billet, Forged

6" ANSI 150 Suction

3" ANSI 600 WN Discharge

HP165AM: Cast

4" ANSI 300 Suction

2" ANSI 1500 Discharge

HP165AM: Billet, Forged

4" ANSI 300 Suction

2" ANSI 1500 WN Discharge

HP165MS: Billet, Forged

3" 8 FNPT Suction

2" 1 1/2 FNPT Discharge

Standard Materials

For Fluid End Bodies:

HP165AL:

CAST Ductile Iron

CAST Nickel-Aluminum-
BronzeBILLET/FORGED Carbon
Steel

HP165AM:

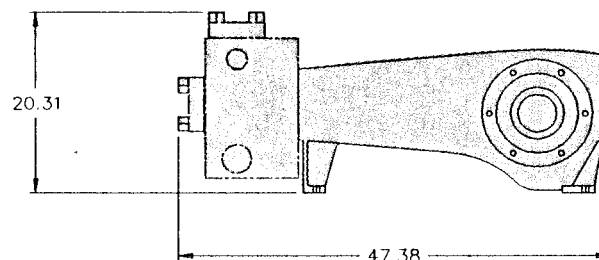
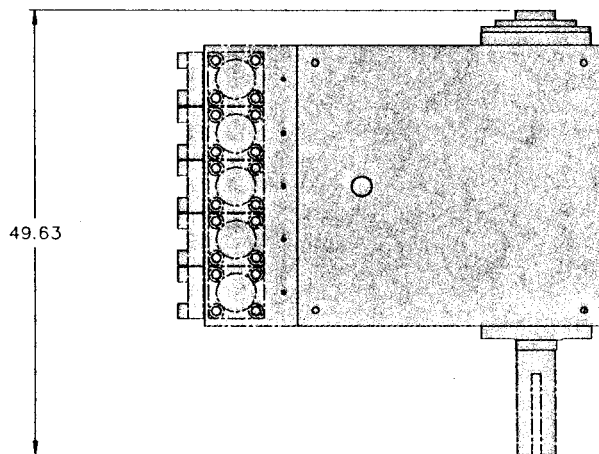
CAST Ductile Iron

CAST Nickel-Aluminum-
BronzeBILLET/FORGED Carbon
Steel

HP165MS:

FORGED Nickel-Aluminum-
BronzeBILLET/FORGED Carbon
Steel

FORGED Stainless Steel



PUMP MODEL	PLGR. DIA. (in.)	MAX. PRESS. (psi)	DISPL. GAL. PER REV.	DISPLACEMENT							
				50 RPM		175 RPM		300 RPM		390 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
HP165MS	1 1/4	5380	.1195	6.0	205	20.9	717	35.9	1231	46.6	1598
	1 1/2	3600	.1721	8.6	295	30.1	1032	51.6	1769	67.1	2301
	1 3/4	2745	.2343	11.7	401	41.0	1406	70.3	2410	91.4	3133
HP165AM	1 1/2	3600	.1721	8.6	295	30.1	1032	51.6	1769	67.1	2301
	1 3/4	2745	.2343	11.7	401	41.0	1406	70.3	2410	91.4	3133
	2	2100	.3060	15.3	525	53.5	1834	91.8	3147	119.3	4092
	2 1/4	1660	.3873	19.4	665	67.8	2325	116.2	3984	151.1	5179
	2 1/2	1345	.4781	23.9	819	83.7	2870	143.4	4917	186.5	6393
HP165L	2 3/4	1110	.5785	28.9	991	101.2	3470	173.5	5949	225.6	7735
	3	935	.6885	34.4	1179	120.5	4131	206.5	7080	268.5	9206
	3 1/4	800	.8080	40.4	1385	141.4	4848	242.4	8311	315.1	10804
	3 3/8	740	.8714	43.6	1495	152.5	5229	261.4	8962	339.8	11652
Max. Brake Horsepower Required (BHP)				20.8		72.9		125.0		162.5	

BHP is based on 90% Mechanical Efficiency.

Displacement is based on 100% Volumetric Efficiency.

Plungers are available in 1/8" increments if not shown.