

Wheatley, HP165-AL (163Q-4L), Quintuplex, Plunger Pump

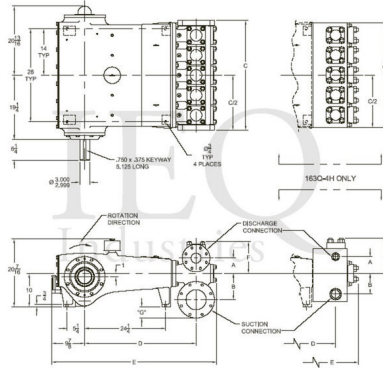
Pumps in this series

- [HP165-AM \(163Q-4M\)](#)
- [HP165-AL \(163Q-4L\)](#)
- [HP165-MS \(163Q-4H\)](#)

- 163 horsepower 4 1/2" stroke horizontal quintuplex single acting plunger pump
- Available in four end material
- Pump speeds up to 390 RPM
- Multiple accessory gear reduction unit ratios

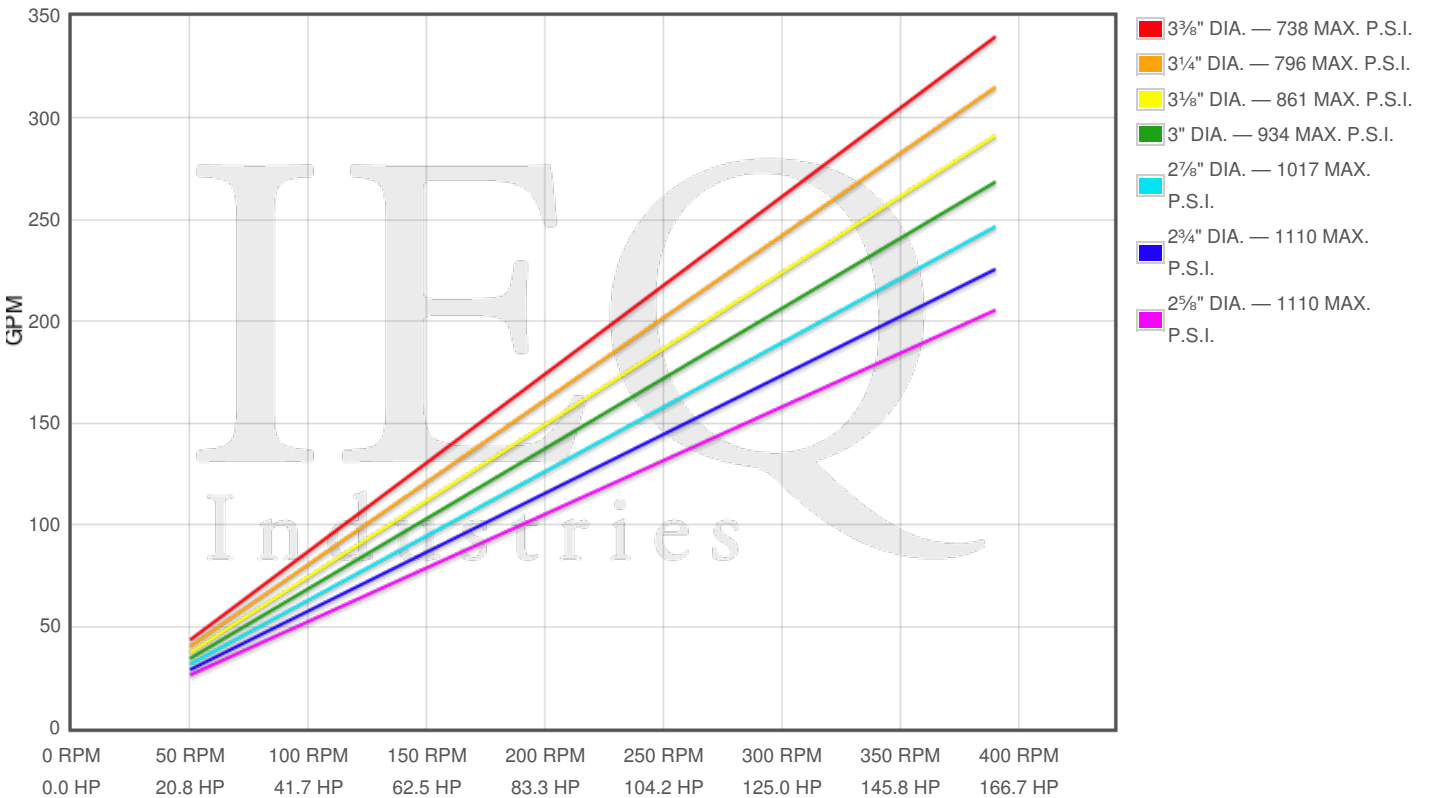
Specs

Spec	U.S. Standard
Type:	quintuplex
Minimum Plunger Diameter:	2 ⁵ / ₈ "
Maximum Plunger Diameter:	3 ³ / ₈ "
Stroke length:	4 ¹ / ₂ "
Maximum Working Pressure:	1,110 PSI
Rod/Piston Load:	6600lb
Gallons per Minute:	339.8
Barrels per Day:	11650
Brake Horse Power:	162.5



Pump Curves

Hover over Power Curves to reveal RPM and GPM



Performance Data Table

Pump	English Units					50 RPM		150 RPM		250 RPM		350 RPM		390 RPM	
	Plunger Dia. In.	Plunger Area Sq. In.	BPD per RPM	GPM per RPM	Max Press. PSI	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
HP165-AL 163Q-4L	3.375	8.9462	29.876	0.8714	738	1494	44	4481	131	7469	218	10457	305	11652	340
	3.250	8.2958	27.704	0.8080	796	1385	40	4156	121	6926	202	9696	283	10805	315
	3.125	7.6699	25.614	0.7471	861	1281	37	3842	112	6403	187	8965	261	9989	291
	3.000	7.0686	23.606	0.6885	934	1180	34	3541	103	5901	172	8262	241	9206	269
	2.875	6.4918	21.680	0.6323	1017	1084	32	3252	95	5420	158	7588	221	8455	247
	2.750	5.9396	19.835	0.5785	1110	992	29	2975	87	4959	145	6942	202	7736	226
	2.625	5.4119	18.073	0.5271	1110	904	26	2711	79	4518	132	6326	184	7049	206

Features/Benefits

- Cast iron power frame

- Ductile Iron Crankshaft
- Cast iron crossheads with upper/lower oil grooves
- Heavy-duty, tapered roller crankshaft bearings
- Precision type, aluminum alloy crankpin bearings
- Bronze bearing crosshead pin bushings
- Flooded sump, splash distribution lubrication
- Rated rod load is 6600 lbs.
- Plungers - Solid Ceramic, or Tungsten coated
- Spherical suction and discharge valves
- Valve Seat & Valve Body: Nitronic 50
- Spring: Inconel
- Cage: 316L Stainless Steel
- Severe duty valves with inserts available

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