

## Wheatley, HP165-AM (163Q-4M), Quintuplex, Plunger Pump

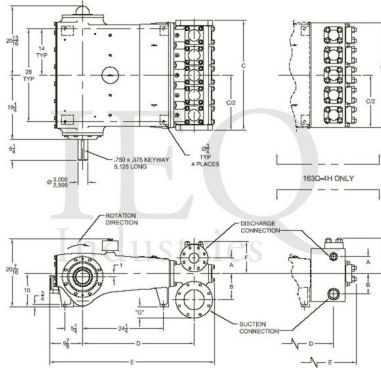
### Pumps in this series

- [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

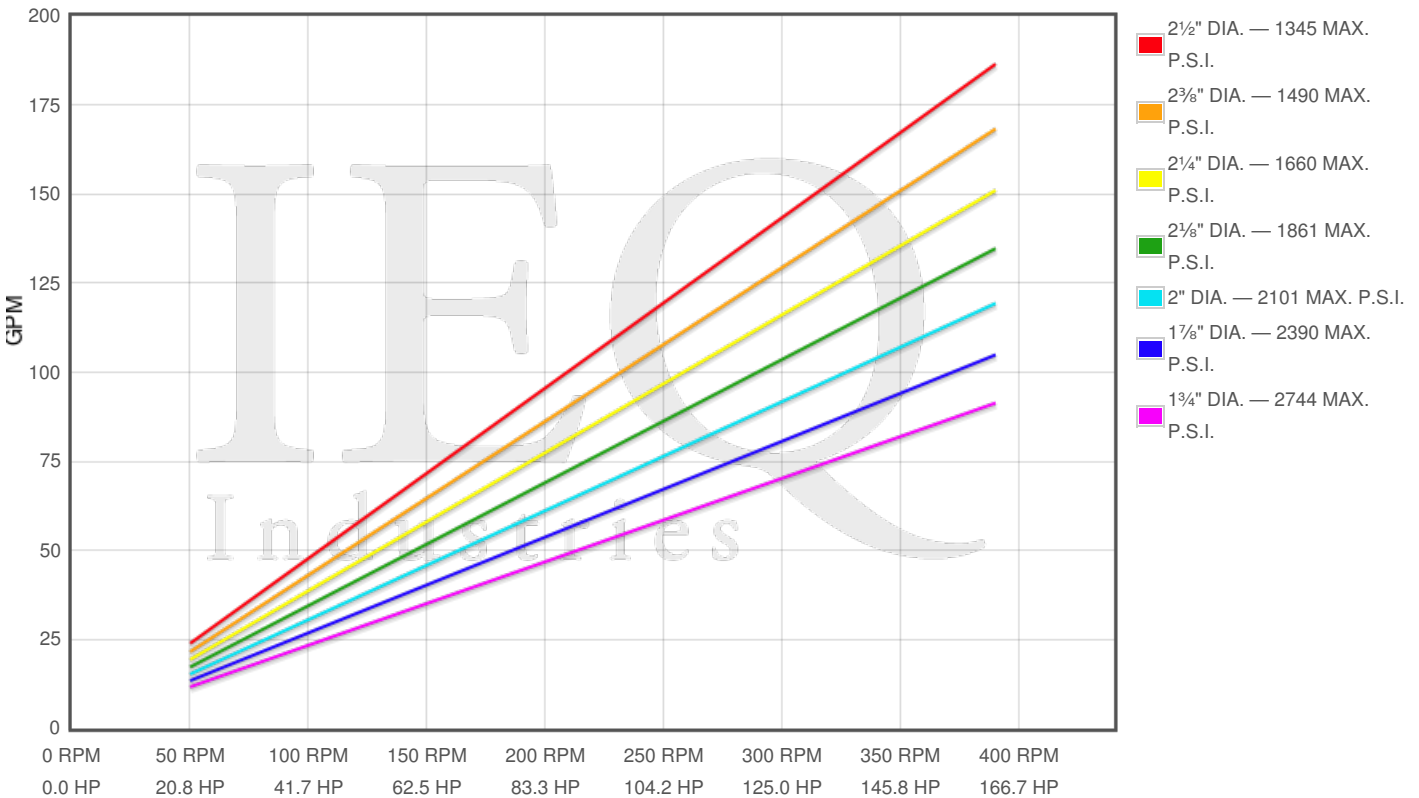
### Specs

Spec	U.S. Standard
Type:	quintuplex
Minimum Plunger Diameter:	1 3/4"
Maximum Plunger Diameter:	2 1/2"
Stroke length:	4 1/2"
Maximum Working Pressure:	3,600 PSI
Rod/Piston Load:	6600lb
Gallons per Minute:	186.5
Barrels per Day:	6394
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-AM 163Q-4M	2.500	4.9087	16.393	0.4781	1345	820	24	2459	72	4098	120	5738	167	6393	186
	2.375	4.4301	14.795	0.4315	1490	740	22	2219	65	3699	108	5178	151	5770	168
	2.250	3.9761	13.278	0.3873	1660	664	19	1992	58	3320	97	4647	136	5179	151
	2.125	3.5466	11.844	0.3454	1861	592	17	1777	52	2961	86	4145	121	4619	135
	2.000	3.1416	10.491	0.3060	2101	525	15	1574	46	2623	76	3672	107	4092	119
	1.875	2.7612	9.221	0.2689	2390	461	13	1383	40	2305	67	3227	94	3596	105
	1.750	2.4053	8.032	0.2343	2744	402	12	1205	35	2008	59	2811	82	3133	91

### 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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