

## Wheatley, HP165-MS (163Q-4H), Quintuplex, Plunger Pump

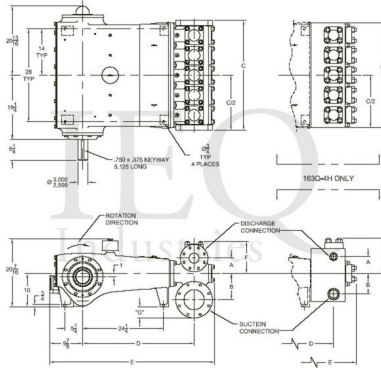
### Pumps in this series

- [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

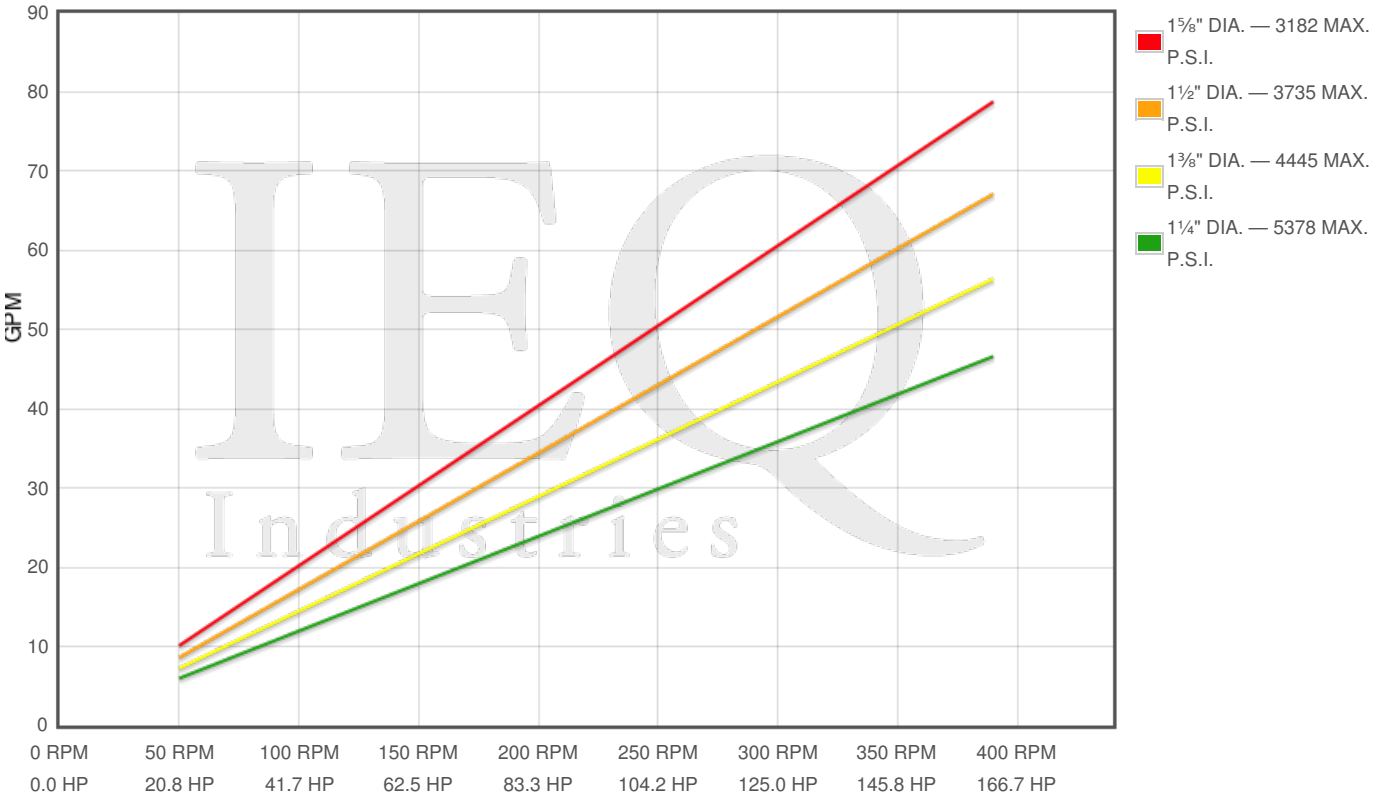
### Specs

Spec	U.S. Standard
Type:	quintuplex
Minimum Plunger Diameter:	1 1/4"
Maximum Plunger Diameter:	1 5/8"
Stroke length:	4 1/2"
Maximum Working Pressure:	5,380 PSI
Rod/Piston Load:	6600lb
Gallons per Minute:	91.4
Barrels per Day:	3134
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-MS 163Q-4H	1.625	2.0739	6.926	0.2020	3182	346	10	1039	30	1732	51	2424	71	2701	79
	1.500	1.7671	5.901	0.1721	3735	295	9	885	26	1475	43	2066	60	2302	67
	1.375	1.4849	4.959	0.1446	4445	248	7	744	22	1240	36	1736	51	1934	56
	1.250	1.2272	4.098	0.1195	5378	205	6	615	18	1025	30	1434	42	1598	47

### 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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