

Wheatley, 5P-200A (31Q-2L), Quintuplex, Plunger Pump

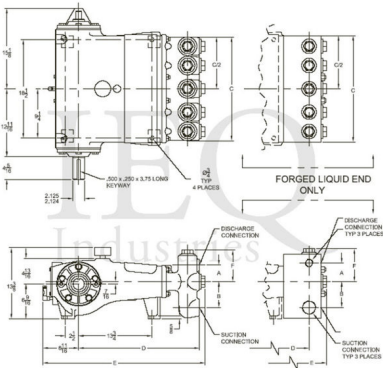
Pumps in this series

5P-200A (31Q-2L)

- 31 horsepower 2 1/4" stroke horizontal quintuplex single acting plunger pump
- Available in four different fluid end materials
- Pump speeds up to 490 RPM

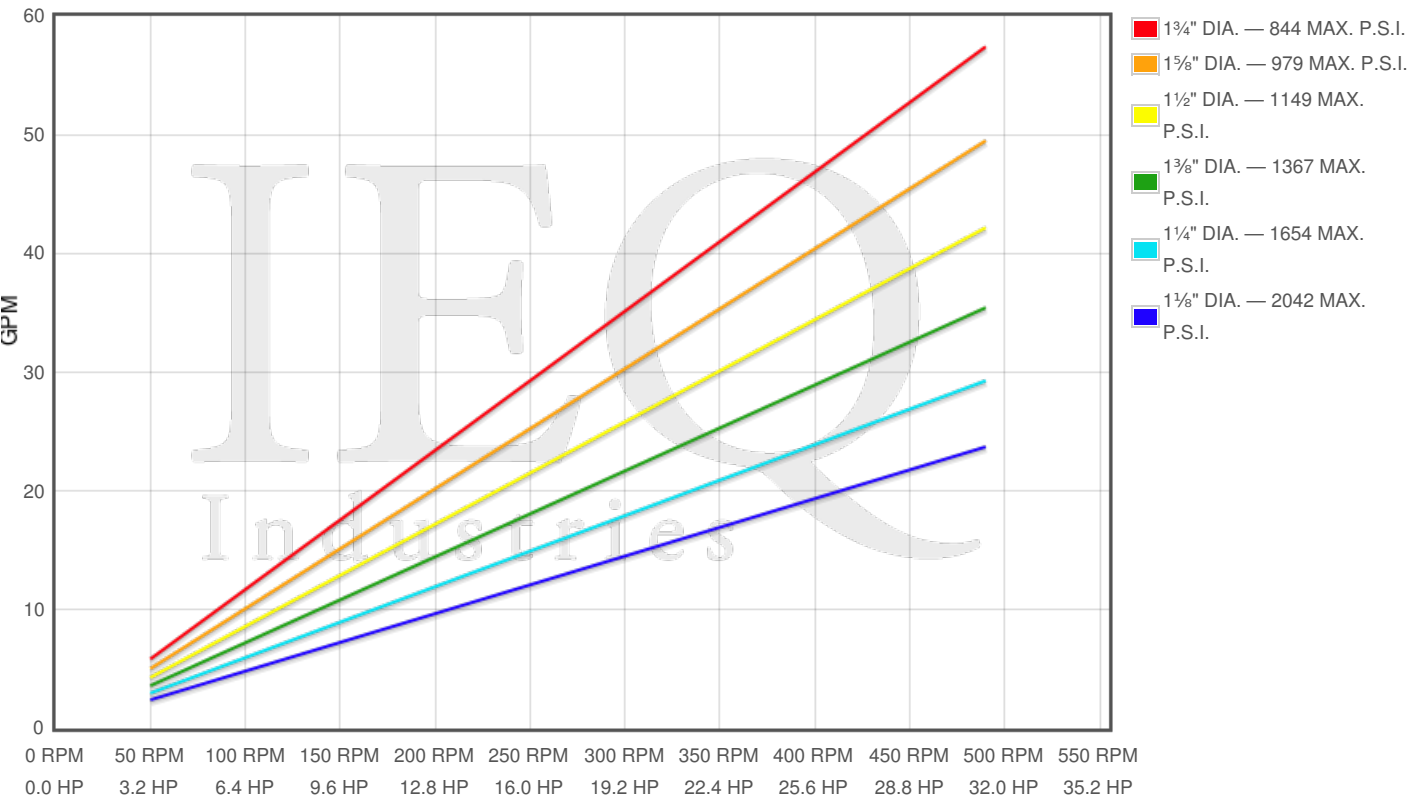
Specs

Spec	U.S. Standard
Type:	quintuplex
Minimum Plunger Diameter:	1 1/8"
Maximum Plunger Diameter:	1 3/4"
Stroke length:	2 1/4"
Maximum Working Pressure:	2,050 PSI
Rod/Piston Load:	2030lb
Gallons per Minute:	57.4
Barrels per Day:	1968
Brake Horse Power:	31.4



Pump Curves

Hover over Power Curves to reveal RPM and GPM



Performance Data Table

Pump	English Units					50 RPM		200 RPM		350 RPM		490 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
5P-200A 31Q-2L	1.750	2.4053	4.016	0.1171	844	201	6	803	23	1406	41	1968	57
	1.625	2.0739	3.463	0.1010	979	173	5	693	20	1212	35	1697	49
	1.500	1.7671	2.951	0.0861	1149	148	4	590	17	1033	30	1446	42
	1.375	1.4849	2.479	0.0723	1367	124	4	496	14	868	25	1215	35
	1.250	1.2272	2.049	0.0598	1654	102	3	410	12	717	21	1004	29
	1.125	0.9940	1.660	0.0484	2042	83	2	332	10	581	17	813	24

Features/Benefits

Power End Features:

- Cast iron power frame
- Heavy-duty roller crankshaft bearings

- Precision type, aluminum alloy crankpin bearings
- Cast iron connecting rods
- Alloy steel crosshead pins
- Ductile Iron crankshaft with ground journals & polished throws
- Bronze bearing crosshead pin bushings
- Cast iron crossheads with upper/lower oil grooves
- One Piece Plungers
- Flooded sump, splash distribution lubrication
- Rated rod load is 2030 lbs.

Fluid End Features:

- Threaded Valve Covers - (CDI & CDPLX)
- Bolted Valve covers -(NAB & PSTL)
- Threaded type glands and integral stuffing boxes
- Bronze stuffing box bushings and packing followers
- Plungers - Solid Ceramic, or Tungsten coated
- General service plunger packing
- Optional flanged connections available (Adder section)
- Spherical suction and discharge valves
- Valve Seat & Valve Body: Nitronic 50
- Spring: Inconel
- Cage: 316L Stainless Steel
- Severe duty valves with inserts available
- Threaded suction and discharge connections

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