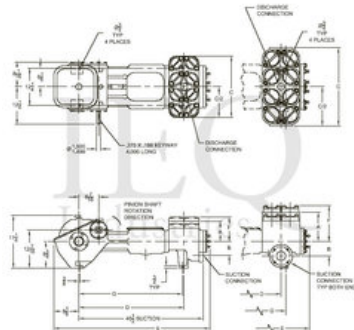


Wheatley, 535, Duplex, Piston Pump (Mud Pump)

- 12 horsepower 5.125" stroke continuous duty double acting duplex pump
- Rated at pump speeds up to 85 RPM
- Maximum discharge pressures up to 796 psi
- Equipped with cast iron fluid ends
- Equipped with internal gear reduction unit

Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	2"
Maximum Piston Diameter:	3½"
Stroke length:	5⅞"
Maximum Working Pressure:	795 PSI
Rod/Piston Load:	2500lb
Gallons per Minute:	69.6
Barrels per Day:	2386
Brake Horse Power:	12.4



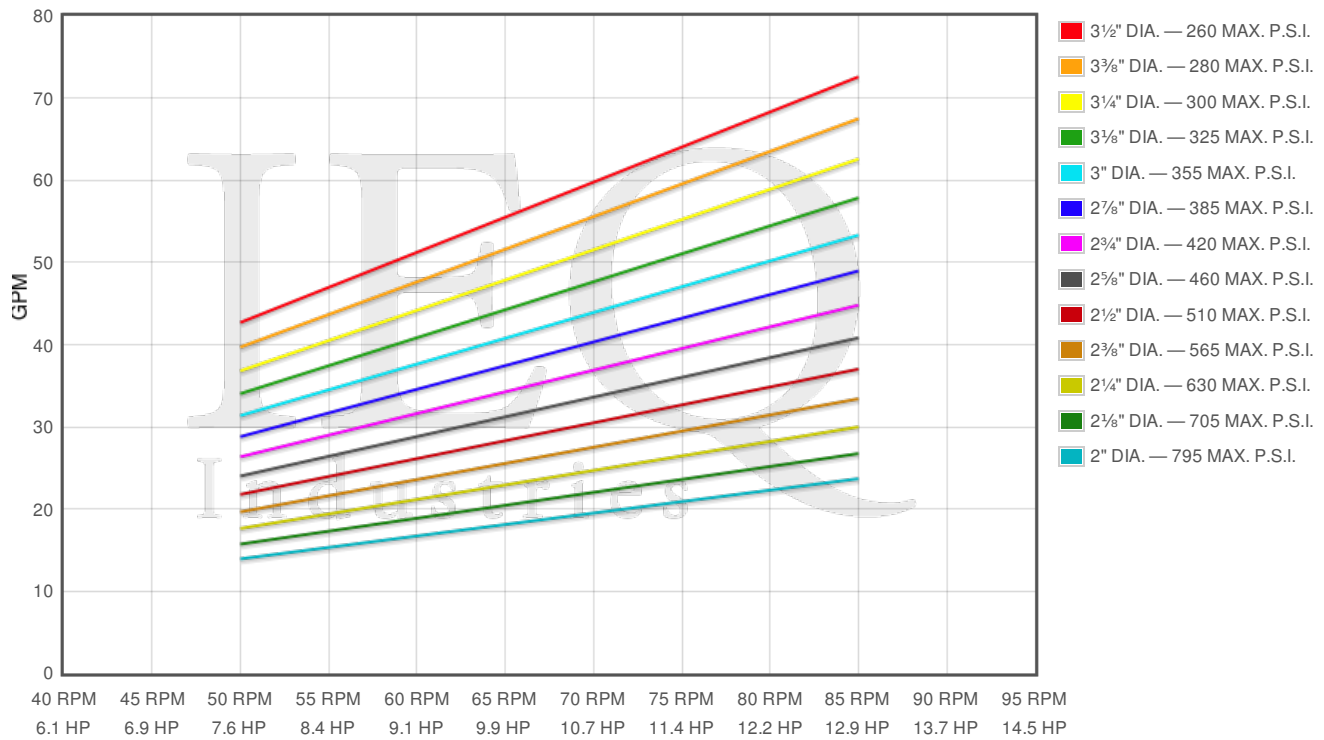
Features/Benefits

Power End Features

- Cast iron power frame
- Ductile iron crankshaft
- Heavy-duty roller crankshaft bearings
- Bi-metal crankpin bearings
- Ductile iron connecting rods
- Alloy steel crosshead pins
- Bronze bearing crosshead pin bushings
- Internal gear reduction / 4.933:1 Ratio / with:
 - Ductile iron herringbone type main gear
 - Alloy steel pinion shaft with herringbone pinion gear
 - Heavy-duty roller pinion shaft bearings
- Flooded sump, splash distribution lubrication
- Rated rod load is 2500 lbs
- Cast iron crossheads with upper/lower oil grooves

Fluid End Features

- Bolted Valve and Cylinder Head Covers
- Bolted type glands and removable stuffing boxes
- File Hard Steel Piston Rods
- Valve Types
 - Steel wing guided valve & seat-Crude Oil Transfer
 - Steel wing guided w/replaceable insert for slush service
- Piston Types for crude oil transfer:
 - Cast iron piston body, ring type
 - Cast iron, chrome faced, piston rings
- For slush / mud service:
 - Mission slush type piston w/ replaceable rubbers
- General service piston rod packing



Pump	English Units					50 RPM		60 RPM		70 RPM		80 RPM		85 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
535	3.500	9.6211	29.274	0.8538	260	1464	42.69	1756	51.23	2049	59.77	2342	68.31	2488	72.57
	3.250	8.2958	25.241	0.7362	301	1262	36.81	1514	44.17	1767	51.53	2019	58.9	2146	62.58
	3.000	7.0686	21.507	0.6273	354	1075	31.36	1290	37.64	1506	43.91	1721	50.18	1828	53.32
	2.750	5.9396	18.072	0.5271	421	903.6	26.36	1084	31.63	1265	36.9	1446	42.17	1536	44.8
	2.500	4.9087	14.936	0.4356	509	746.8	21.78	896.1	26.14	1045	30.49	1195	34.85	1270	37.03
	2.250	3.9761	12.098	0.3529	629	604.9	17.64	725.9	21.17	846.9	24.7	967.8	28.23	1028	29.99
	2.000	3.1416	9.559	0.2788	796	477.9	13.94	573.5	16.73	669.1	19.52	764.7	22.3	812.5	23.7

Disclaimer I

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