

Gaso, 1654, Duplex, Piston Pump (Mud Pump)

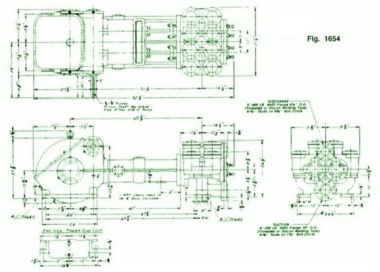
Pumps in this series

- [1654](#)
- [1654-C](#)

- 104 horsepower 8" stroke continuous duty double acting duplex pump
- Rated at pump speeds up to 90 RPM
- Maximum discharge pressures up to 1800 psi
- Equipped with cast iron or cast steel fluid ends
- Equipped with internal gear reduction unit

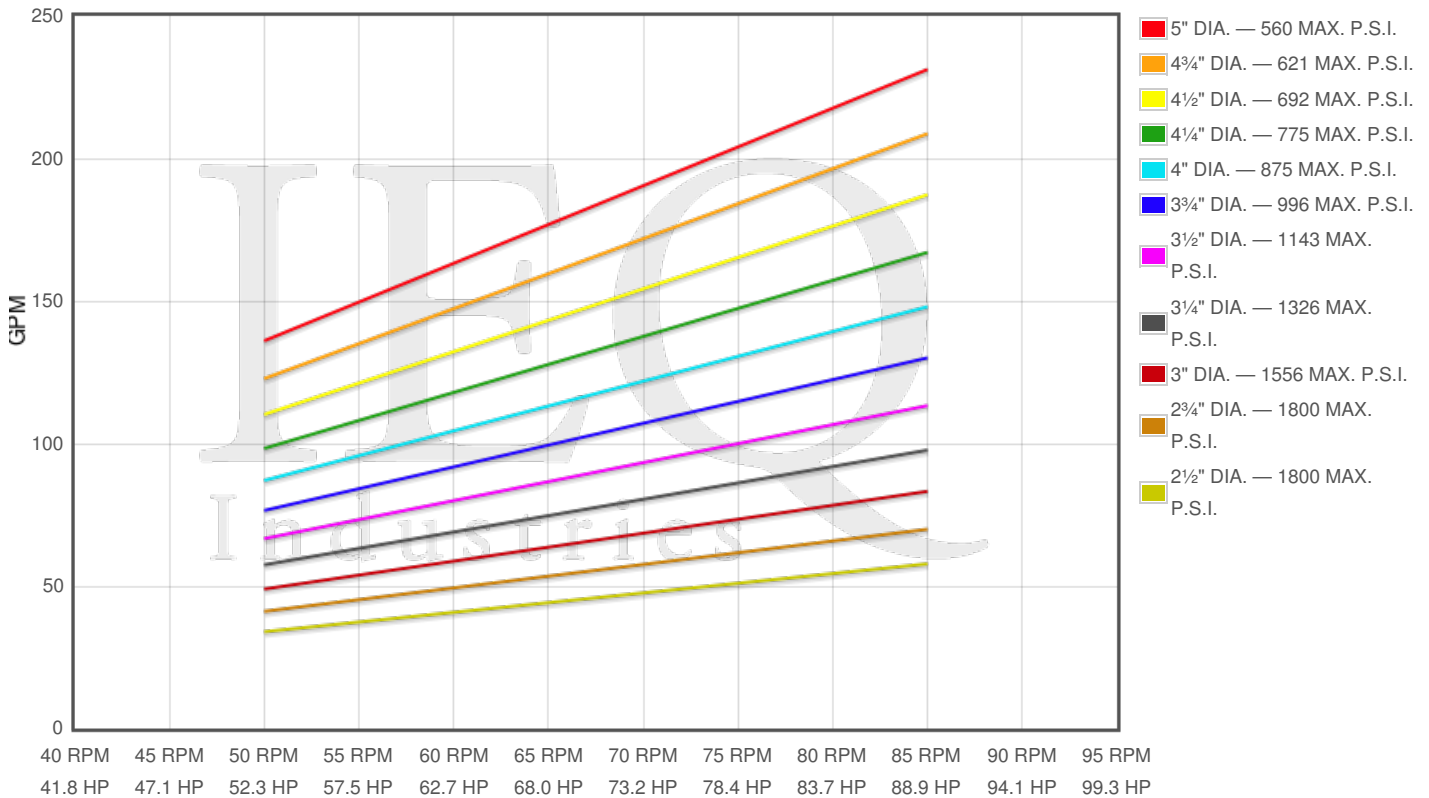
Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	2½"
Maximum Piston Diameter:	5"
Stroke length:	8"
Maximum Working Pressure:	1,800 PSI
Rod/Piston Load:	11000lb
Gallons per Minute:	234.0
Barrels per Day:	8023
Brake Horse Power:	97.8



Pump Curves

Hover over Power Curves to reveal RPM and GPM



Performance Data Table

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
1654	5.000	19.6350	93.257	2.7200	560	4663	136	5595	163	6528	190	7461	218	7927	231
	4.750	17.7205	84.164	2.4548	621	4208	123	5050	147	5892	172	6733	196	7154	209
	4.500	15.9043	75.538	2.2032	692	3777	110	4532	132	5288	154	6043	176	6421	187
	4.250	14.1863	67.378	1.9652	775	3369	98	4043	118	4717	138	5390	157	5727	167
	4.000	12.5664	59.684	1.7408	875	2984	87	3581	104	4178	122	4775	139	5073	148
	3.750	11.0447	52.457	1.5300	996	2623	76	3147	92	3672	107	4197	122	4459	130
	3.500	9.6211	45.696	1.3328	1143	2285	67	2742	80	3199	93	3656	107	3884	113
	3.250	8.2958	39.401	1.1492	1326	1970	57	2364	69	2758	80	3152	92	3349	98
	3.000	7.0686	33.572	0.9792	1556	1679	49	2014	59	2350	69	2686	78	2854	83
	2.750	5.9396	28.210	0.8228	1800	1411	41	1693	49	1975	58	2257	66	2398	70
	2.500	4.9087	23.314	0.6800	1800	1166	34	1399	41	1632	48	1865	54	1982	58

Features/Benefits

Power End Features

- Cast iron power frame
- Steel crankshaft
- Heavy-duty crankshaft bearings
- Ductile iron connecting rods
- Allow steel crosshead pins
- Bronze bearing crosshead pin bushings

Internal gear reduction / 4.750:1 Ratio / with:

- Ductile iron herringbone type main gear
- Allow steel pinion shaft with herringbone pinion gear
- Heavy-duty roller pinion shaft bearings
- Flooded sump, splash distribution lubrication
- Cast iron crossheads with upper/lower oil grooves
- Rated rod load is 12680 lbs.

Fluid End Features

- Bolted valve cylinder head covers
- Bolted or threaded type glands and removable stuffing boxes
- File hard steel piston rods
- Standard valve types:
 - For crude oil transfer:
 - Steel wing guided valve and seat
 - For slush/mud service:
 - Steel wing guided with replaceable insert
- Standard 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

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