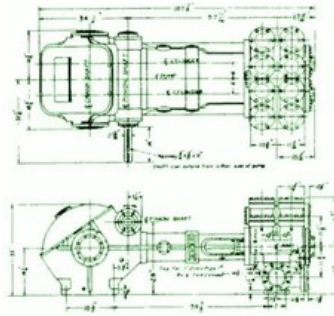


## GasO, 1753, Duplex, Piston Pump (Mud Pump)

### Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	4"
Maximum Piston Diameter:	7½"
Stroke length:	10"
Maximum Working Pressure:	1,040 PSI
Rod/Piston Load:	13100lb
Gallons per Minute:	637.2
Barrels per Day:	21850
Brake Horse Power:	121.0

Fig. 1753



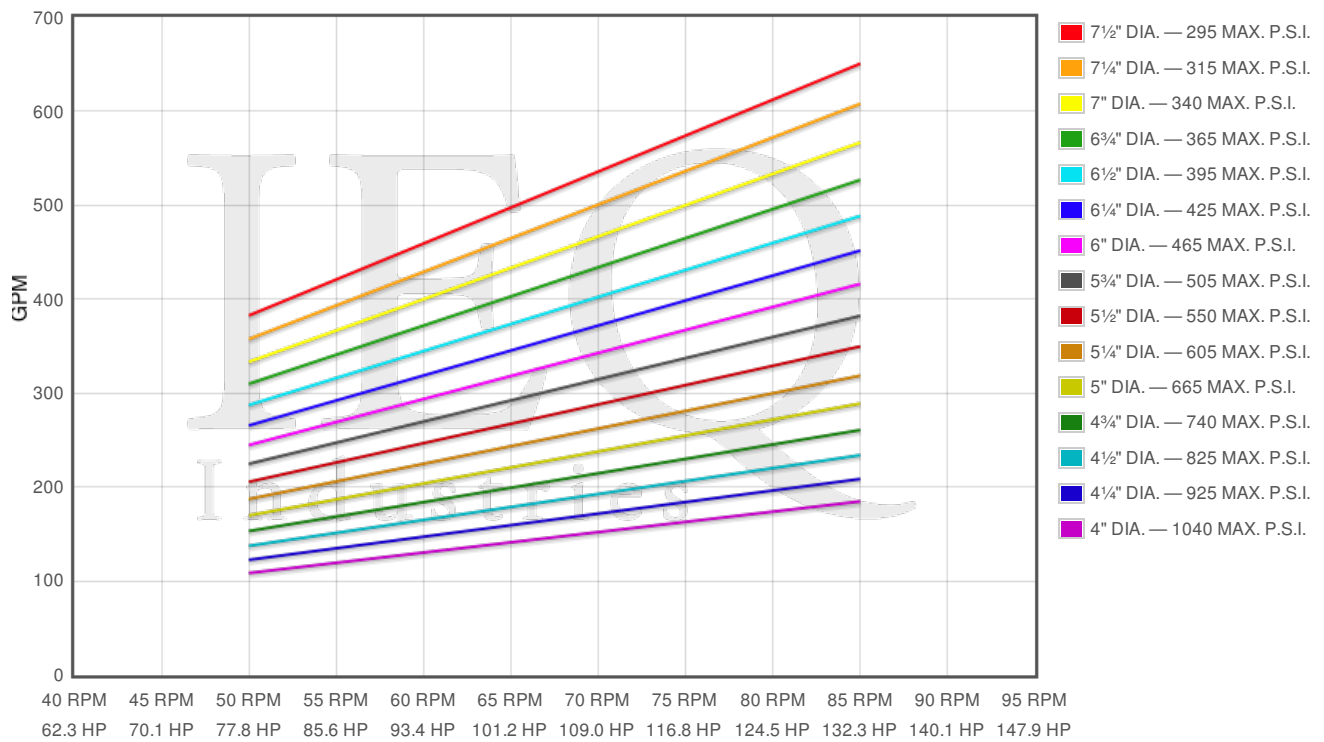
### Features/Benefits

#### Power End Features:

- Cast iron power frame
- Steel crankshaft
- Bi-metal crankpin bearings
- Ductile iron connecting rods
- Heavy-duty roller crankshaft bearings
- Alloy steel crosshead pins
- Bronze bearing crosshead pin bushings
- Internal gear reduction / 5.846:1/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 and lubrication
- Cast iron crossheads with upper/lower oil grooves
- Rated rod load is 131000 lbs.

#### Fluid End Features:

- Bolted Valve and Cylinder head covers
- Bolted or threaded type glands & removable stuffing boxes
- File hard steel piston rods
- Standard valve types
  - For crude oil transfer:
    - Steel wing guided valve & seat
  - For slush / mud service:
    - Steel wing guided with replaceable insert
- Standard Valve 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
1753	7.500	44.1786	262.285	7.6500	297	13110	382.5	15740	459.0	18360	535.5	20980	612.0	22290	650.2
	7.000	38.4845	228.479	6.6640	340	11420	333.2	13710	399.8	15990	466.5	18280	533.1	19420	566.4
	6.500	33.1831	197.005	5.7460	395	9850	287.3	11820	344.8	13790	402.2	15760	459.7	16750	488.4
	6.000	28.2743	167.862	4.8960	463	8393	244.8	10070	293.8	11750	342.7	13430	391.7	14270	416.2
	5.500	23.7583	141.051	4.1140	551	7053	205.7	8463	246.8	9874	288.0	11280	329.1	11990	349.7
	5.000	19.6350	116.571	3.4000	667	5829	170.0	6994	204.0	8160	238.0	9326	272.0	9909	289.0
	4.500	15.9043	94.423	2.7540	824	4721	137.7	5665	165.2	6610	192.8	7554	220.3	8026	234.1
	4.000	12.5664	74.606	2.1760	1042	3730	108.8	4476	130.6	5222	152.3	5968	174.1	6341	185.0

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