

PUMP MODEL

TRIPLEX PLUNGER PUMP RRP 68 TGW



This eight-inch stroke pump is equipped with mono block Forged Steel fluid end, designed to handle various fluid.

Working Pressure
Upto 925 psig

Displacement
26607 bpd (775.71 gpm)
at 600 psig
17357 bpd (506.05 gpm)
At 925 psig

SPECIFICATIONS					
		ENGLISH		METRIC	
Pump size	(max .Plunger Dia x Stroke)	Inches	6½ x 8	mm	165 x 203
Standard Plunger Sizes		Inches	5-1/4, 5-1/2, 5-3/4, 6, 6-1/4 and 6-1/2	mm	133, 140, 146, 152, 159 and 165
Rated bhp at 225 rpm		hp	300	Kw	224
Hydrostatic Test Pressure:	Discharge	psi	1387.5	kPa	9566
	Suction	psi	412.5	kPa	2844
Maximum Working Pressure:	Discharge	psi	925	kPa	6378
	Suction	psi	275	kPa	1896
Two Flanged Suction Connection:	Pipe Size	Inches	8"	mm	203
	ANSI RATING	Class	150	Class	150
Two Flanged Discharge Connection:	Pipe Size	Inches	6"	mm	152
	ANSI RATING	Class	600	Class	600
Pinion Shaft Extension					
	Diameter	Inches	4.495	mm	114
	Length	Inches	9½	mm	251
	Keyway (Width x Depth)	Inches	1 x ½	mm	25 x 13
Gear Units Reduction Ratio: (Standard) (Optional)			2.02:1		2.02:1
			3.28:1		3.28:1
			4.07:1		4.07:1
			5.23:1		5.23:1
Rated Plunger Rod Load		Pounds	20000	N	88964
Oil Capacity (Crank Case).		Gallons	22	Litre	83
Gear Unit		Gallons	22	Litre	83
Weight (On wooden shipping skid)(Est.)		Pounds	8725	Kg	3958

- Horizontal design
- Large power end access covers and doors
- Outside access forbearing adjustment
- Separate crosshead–plunger shank construction
- Open frame cradles
- Removable stuffing boxes
- These Pumps have wing type Guide Valve for crude oil application

PLUNGER DIA (INCH)	PLUNGER DIA (mm)	STUFFING BOX BORE (INCH)	STUFFING BOX BORE (mm)
5¼- 5¾	133 - 146	6¾	171
6 - 6½	152 - 165	7½	191

PUMP PERFORMANCE DATA

ENGLISH UNIT

Plgr.Dia (inch)	Plunger Area	Displacement (Gal.PerRev.)	Maximum Pressure (psi)	100 rpm		125 rpm		150 rpm		175 rpm		200 rpm		225 rpm	
	(Sq.Inch)			bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm
5¼	21.648	2.2491	925	7714	224.91	9643	281.14	11572	337.36	13500	393.59	15429	449.82	17357	506.05
5½	23.758	2.4684	840	8467	246.84	10583	308.55	12700	370.26	14817	431.97	16933	493.68	19050	555.39
5¾	25.967	2.6979	770	9254	269.79	11567	337.24	13881	404.68	16194	472.13	18508	539.58	20821	607.03
6	28.274	2.9376	710	10076	293.76	12595	367.20	15114	440.64	17633	514.08	20152	587.52	22671	660.96
6¼	30.680	3.1875	650	10933	318.75	13666	398.44	16400	478.12	19133	557.81	21866	637.50	24600	717.19
6½	33.183	3.4476	600	11825	344.76	14782	430.95	17738	517.14	20694	603.33	23651	689.52	26607	775.71
Brake Horse Power Required				133		166		200		233		266		300	

METRIC UNIT

Plgr.Dia (mm)	Plunger Area	Displacement (L / Rev.)	Maximum Pressure (kPa)	100 rpm		125 rpm		150 rpm		175 rpm		200 rpm		225 rpm	
	(cm²)			m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s
133	139.6612	8.5137	6378	1226	14.19	1532	17.74	1839	21.28	2145	24.83	2452	28.38	2758	31.93
140	153.2729	9.3439	5792	1346	15.57	1682	19.47	2018	23.36	2355	27.25	2691	31.15	3027	35.04
146	167.5302	10.2126	5309	1471	17.02	1838	21.28	2206	25.53	2574	29.79	2941	34.04	3309	38.30
152	182.4147	11.1200	4895	1601	18.53	2002	23.17	2402	27.80	2802	32.43	3203	37.07	3603	41.70
159	197.9326	12.0660	4482	1737	20.11	2172	25.14	2606	30.16	3041	35.19	3475	40.22	3909	45.25
165	214.0839	13.0506	4137	1879	21.75	2349	27.19	2819	32.63	3289	38.06	3759	43.50	4228	48.94
Kilo-watt Input				100		126		151		176		201		226	

ENGLISH AND METRIC

Gear Unit Pinion Shaft r / min at Gear Ratios of:		2.02:1	202	252	303	353	404	454
		3.28:1	328	410	492	574	656	738
	(Std)	4.07:1	407	509	611	712	814	916
		5.23:1	523	654	785	915	1046	1177