

PUMP MODEL

TRIPLEX PLUNGER PUMP RRP 38 TG



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

Working Pressure
Upto 3,690 psig

Displacement
5668 bpd (165.24 gpm)
at 2830 psig
4339 bpd (126.51gpm)
At 3690 psig

SPECIFICATIONS				
		ENGLISH	METRIC	MAINTENANCE FEATURES • Horizontal design • Large power end access covers and doors • Outside access for bearing adjustment • Separate crosshead–plunger shank construction • Open frame cradles • Removable stuffing boxes
Pump size	(max .Plunger Dia x Stroke)	Inches 3 X 8	mm 76 x 203	
Standard Plunger Sizes		Inches 2-5/8, 2-3/4, 2-7/8 and 3	mm 67, 70, 73 and 76	
Rated bhp at 225 rpm		hp 300	Kw 224	
Hydrostatic Test Pressure:	Discharge	psi 5535	kPa 38162	
	Suction	psi 412.5	kPa 2844	
Maximum Working Pressure:	Discharge	psi 3690	kPa 25442	
	Suction	psi 275	kPa 1896	
Two Flanged Suction Connection:	Pipe Size	Inches 6"	mm 152	
	ANSI RATING	Class 150	Class 150	
Two Flanged Discharge Connection:	Pipe Size	Inches 3"	mm 76	
	ANSI RATING	Class 2500	Class 2500	
Pinion Shaft Extension				
	Diameter	Inches 4.495	mm 114	
	Length	Inches 9%	mm 251	
	Keyway (Width x Depth)	Inches 1 x ½	mm 25 x 13	
Gear Units Reduction Ratio: (Standard)		2.02:1	2.02:1	
(Optional)		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 8800	Kg 3992	

PLUNGER DIA (INCH)	PLUNGER DIA (mm)	STUFFING BOX BORE (INCH)	STUFFING BOX BORE (mm)
2 5/8 - 2 3/4	67 - 70	3 5/8	92
2 7/8 - 3	73 - 76	3 7/8	98

PUMP PERFORMANCE DATA

ENGLISH UNIT

Plgr.Dia (inch)	Plunger Area	Displace ment (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
2%	5.4119	0.5623	3690	1929	56.26	2411	70.32	2893	84.38	3375	98.44	3857	112.50	4339	126.55
2%	5.9396	0.6171	3370	2117	61.75	2646	77.18	3175	92.60	3704	108.03	4233	123.46	4762	138.89
2%	6.4918	0.6745	3080	2313	67.46	2892	84.35	3470	101.21	4049	118.10	4627	134.95	5205	151.81
3	7.0686	0.7344	2830	2519	73.47	3149	91.85	3778	110.19	4408	128.57	5038	146.94	5668	165.32
Brake Horse Power Required				133		166		200		233		266		300	

METRIC UNIT

Plgr.Dia (mm)	Plunger Area	Displace ment (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
67	31.915	2.1284	25441	306	3.54	383	4.43	460	5.32	536	6.20	613	7.09	690	7.99
70	38.320	2.3360	23235	336	3.89	420	4.86	505	5.84	589	6.82	673	7.79	757	8.76
73	41.883	2.5532	21236	368	4.26	460	5.32	551	6.38	643	7.44	735	8.51	827	9.57
76	45.604	2.7800	19512	400	4.63	500	5.79	600	6.94	701	8.11	801	9.27	901	10.43
Kilo-watt Input				100		126		151		176		201		224	

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
	4.07:1	407	509	611	712	815	916
	5.23:1	523	654	785	915	1045	1177