



Specifications

	English		Metric	
Pump Size (Max. Plunger Dia. x Stroke)	inches	2½ x 6	mm	64 x 152
Standard Plunger Sizes	inches	2, 2½, 2¾, 2¾ and 2½	mm	51, 54, 57, 60 and 64
Rated bhp at 320 rpm	hp	202	kW	151
Maximum Working Pressure:				
Discharge	psi	3979	kPa	27434
Suction	psi	300	kPa	2068
Two Flanged Suction Connections: Pipe Size	inches	4	mm	102
ANSI Rating	inches	300	class	300
ANSI Facing		Flat Face		Flat Face
Two Flanged Discharge Connections: Pipe Size	inches	2½	mm	64
ANSI Rating	class	2500	class	2500
ANSI Facing		R.T.J.		R.T.J.
Gear Unit Reduction Ratio: (Standard)		4.44:1		4.44:1
(Optional)		1.59:1		1.59:1
		1.78:1		1.78:1
		2.487:1		2.487:1
		3.12:1		3.12:1
		5.48:1		5.48:1
Crankshaft Extension: Diameter	inches	4.495	mm	114
Length	inches	8¾	mm	213
Keyway (Width x Depth)	inches	1 x ¾	mm	25 x 10
Pinion Shaft Extension: (If Gear Unit Supplied):				
Diameter	inches	3.438	mm	87
Length	inches	7¾	mm	187
Keyway (Width x Depth)	inches	¾ x 7/16	mm	22 x 11
Rated Plunger Load	pounds	12500	N	55603
Oil Capacity: Crankcase	gallons	34	litres	129
Gear Unit (Capacity Varies with Gear Ratio)	gallons	—	litres	—
Weight: Pump Only				
(On Wood Shipping Skids) (Est.)	pounds	4410	kg	2000
Gear (Weight Varies with Gear Ratio) (Est.)	pounds	—	kg	—

Plunger Diameter

Inches	mm
2 - 2¾	51 - 60
2½	64

Stuffing Box Bore

Inches	mm
3¼	83
4¾	105

Performance Data

(Volumes Indicated are Displacement of Noncompressible Fluid)
ENGLISH UNITS

Plgr. Dia. In.	Plgr. Area (Sq. In.)	Displacement Gal. Per Rev.	Max. Pressure psi	100 rpm		150 rpm		200 rpm		250 rpm		300 rpm		320 rpm	
				bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm	bpd	gpm
2	3.1416	.2448	3979	839	24.48	1259	36.72	1679	48.96	2098	61.20	2518	73.44	2686	78.34
2½	3.5466	.2764	3525	948	27.64	1421	41.45	1895	55.27	2369	69.09	2843	82.91	3032	88.43
2¾	3.9761	.3098	3144	1062	30.98	1593	46.47	2125	61.96	2656	77.46	3187	92.95	3399	99.14
2¾	4.4301	.3452	2822	1184	34.52	1775	51.78	2367	69.04	2959	86.30	3551	103.56	3787	110.47
2½	4.9087	.3825	2546	1311	38.25	1967	57.37	2623	76.50	3279	95.62	3934	114.75	4197	122.40
Brake Horsepower Required				63		95		126		158		189		202	

METRIC UNITS

Plgr. Dia. mm	Plgr. Area cm²	Displacement L/rev.	Max. Pressure kPa	100 r/min.		150 r/min.		200 r/min.		250 r/min.		300 r/min.		320 r/min.	
				m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s	m³/d	L/s
51	20.2683	.9267	27433	133	1.54	200	2.32	267	3.09	334	3.86	400	4.63	427	4.94
54	22.8810	1.0461	24301	151	1.74	226	2.62	301	3.49	377	4.36	452	5.23	482	5.58
57	25.6521	1.1728	21676	169	1.95	253	2.93	338	3.91	422	4.89	507	5.86	540	6.25
60	28.5815	1.3067	19454	188	2.18	282	3.27	376	4.36	470	5.44	565	6.53	602	6.97
64	31.6692	1.4479	17555	208	2.41	313	3.62	417	4.83	521	6.03	625	7.24	667	7.72
Kilowatt Required				47		71		94		118		141		151	

ENGLISH AND METRIC

Gear Unit Pinion	1.59:1	159	239	318	398	477	509
Shaft r/min.	1.78:1	178	267	356	445	534	570
at Gear Ratios of:	2.487:1	249	373	497	622	746	796
	3.12:1	312	468	624	780	936	998
	(Std.) 4.44:1	444	666	888	1110	1332	1421
	5.48:1	548	822	1096	1370	1644	1754