60T-3 Triplex Plunger Pump

Performance Data

PUMP	English Units					200 RPM		300 RPM		350 RPM		400 RPM		450 RPM		500 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	BPD	GPM
60T-3L	3.000	7.0686	9.4423	0.2754	672	1889	55.1	2833	82.6	3305	96.4	3777	110.2	4250	123.9	4722	137.7
	2.750	5.9396	7.9341	0.2314	800	1587	46.3	2381	69.4	2777	81.0	3174	92.6	3571	104.1	3968	115.7
	2.500	4.9087	6.5571	0.1912	968	1312	38.2	1968	57.4	2295	66.9	2623	76.5	2951	86.1	3279	95.6
	2.250	3.9761	5.3113	0.1549	1195	1063	31.0	1594	46.5	1859	54.2	2125	62.0	2391	69.7	2656	77.5
	2.000	3.1416	4.1966	0.1224	1500	840	24.5	1259	36.7	1469	42.8	1679	49.0	1889	55.1	2099	61.2
60T-3M	2.000	3.1416	4.1966	0.1224	1512	840	24.5	1259	36.7	1469	42.8	1679	49.0	1889	55.1	2099	61.2
	1.750	2.4053	3.2130	0.0937	1975	643	18.7	964	28.1	1125	32.8	1286	37.5	1446	42.2	1607	46.9
	1.625	2.0739	2.7704	0.0808	2290	555	16.2	832	24.2	970	28.3	1109	32.3	1247	36.4	1386	40.4
	1.500	1.7671	2.3606	0.0688	2688	473	13.8	709	20.7	827	24.1	945	27.5	1063	31.0	1181	34.4
	1.375	1.4849	1.9835	0.0579	3200	397	11.6	596	17.4	695	20.2	794	23.1	893	26.0	992	28.9
60T-3H	1.375	1.4849	1.9835	0.0579	3200	397	11.6	596	17.4	695	20.2	794	23.1	893	26.0	992	28.9
	1.250	1.2272	1.6393	0.0478	3871	328	9.6	492	14.3	574	16.7	656	19.1	738	21.5	820	23.9
	1.125	0.9940	1.3278	0.0387	4779	266	7.7	399	11.6	465	13.6	532	15.5	598	17.4	664	19.4
	1.000	0.7854	1.0491	0.0306	5000	210	6.1	315	9.2	368	10.7	420	12.2	473	13.8	525	15.3
	Brake Horsepower Required					25.0		37.0		43.0		48		54		60	

PUMP	Metric Units					200 RPM		300 RPM		350 RPM		400 RPM		450 RPM		500 RPM	
	Plunger Dia. mm	Plunger Area cm^2	M^3/Hr per RPM	L/Sec. per RPM	Max. Press. kPa	M^3/Hr	L/Sec.	M^3/Hr	L/Sec.	M^3/Hr	L/Sec.	M^3/Hr	L/Sec.	M^3/Hr	L/Sec.	M^3/Hr	L/Sec.
60T-3L	76	45.604	0.0625	0.0174	4633	12.51	3.47	18.76	5.21	21.89	6.08	25.02	6.95	28.14	7.82	31.27	8.69
	70	38.320	0.0526	0.0146	5514	10.51	2.92	15.77	4.38	18.39	5.11	21.02	5.84	23.65	6.57	26.28	7.30
	64	31.669	0.0434	0.0121	6672	8.69	2.41	13.03	3.62	15.20	4.22	17.37	4.83	19.54	5.43	21.72	6.03
	57	25.652	0.0352	0.0098	8237	7.04	1.95	10.55	2.93	12.31	3.42	14.07	3.91	15.83	4.40	17.59	4.89
	51	20.268	0.0278	0.0077	10342	5.56	1.54	8.34	2.32	9.73	2.70	11.12	3.09	12.51	3.47	13.90	3.86
60T-3M	51	20.268	0.0278	0.0077	10425	5.56	1.54	8.34	2.32	9.73	2.70	11.12	3.09	12.51	3.47	13.90	3.86
	44	15.518	0.0213	0.0059	13616	4.26	1.18	6.38	1.77	7.45	2.07	8.51	2.36	9.58	2.66	10.64	2.96
	41	13.380	0.0184	0.0051	15791	3.67	1.02	5.51	1.53	6.42	1.78	7.34	2.04	8.26	2.29	9.18	2.55
	38	11.401	0.0156	0.0043	18533	3.13	0.87	4.69	1.30	5.47	1.52	6.25	1.74	7.04	1.95	7.82	2.17
	35	9.580	0.0131	0.0036	22063	2.63	0.73	3.94	1.09	4.60	1.28	5.26	1.46	5.91	1.64	6.57	1.82
60T-3H	35	9.580	0.0131	0.0036	22063	2.63	0.73	3.94	1.09	4.60	1.28	5.26	1.46	5.91	1.64	6.57	1.82
	32	7.917	0.0109	0.0030	26687	2.17	0.60	3.26	0.90	3.80	1.06	4.34	1.21	4.89	1.36	5.43	1.51
	29	6.413	0.0088	0.0024	32947	1.76	0.49	2.64	0.73	3.08	0.86	3.52	0.98	3.96	1.10	4.40	1.22
	25	5.067	0.0069	0.0019	34474	1.39	0.39	2.08	0.58	2.43	0.68	2.78	0.77	3.13	0.87	3.47	0.97
	Kilowatts Required					18.6		27.6		32.1		35.8		40		45	

Volumetric Rate is based on 100% Volumetric Efficiency. Brake Horsepower/Kilowatts Required is based on 90% Mechanical Efficiency. Below 200 RPM External Auxiliary lubrication system required

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