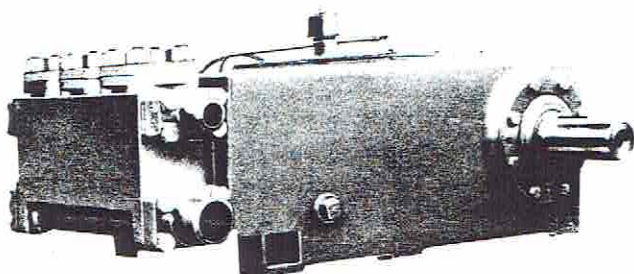


Triplex Plunger Pump

Formerly identified as Models A324-H, A334-H, & A344-H



Specifications

Pump size (max. plunger dia. x stroke) in.(mm) 4 x 4 (102 x 102)

Rated bhp at 450 rpm (kW) 125 (93)

Rated plunger load pounds (Kg) 8250 (3742.2)

Maximum working pressure: psi(kPa)

Discharge 5000 (34474)

Suction 275 (1833)

Crankshaft

Diameter 3.750 (95)

Length 7½ (191)

Keyway (width x depth) $\frac{7}{8} \times \frac{7}{16}$ (22 x 11)

Pinion shaft extension: in.(mm)

Diameter 2.875 (73)

Length 6¾ (171)

Keyway (width x depth) $\frac{3}{4} \times \frac{1}{4}$ (19 x 6)

Accessory gear reduction units

..... 2.596:1, 3.109:1, 3.947:1, 6.192:1 ratios

Oil capacity: gallons(L)

Crankcase & Gearcase 10 (38)

Weight. Pump only on wood shipping skids pounds(Kg) . 1747 (792)

With gear unit, approximate pounds (Kg) 2322 (1053)

Field connections* in.(mm)

Pump Type	Discharge Connection Size	Suction Connection Size
125T-4L	3 (76.2) Sch. 160, V-Bevel	6 (152.4) Sch. 40, V-Bevel
125T-4M	3 (76.2) Sch. 160, V-Bevel	4 (101.6) Sch. 40, V-Bevel
125T-4H	2 (50.8) Sch. 160, V-Bevel	3 (76.2) Sch. 80, V-Bevel

*Flange sizes and pressure ratings may vary with special cylinder designs.

Dimensions in inches

Pump Type	A	B	C	D	E	F	G	H	J
125T-4L	56	2	15¾	20½	16	32	6	3	56%
125T-4M	52⅛	4	14	19⅞	15	30	4	3	56
125T-4H	52⅛	6⅝	12¾	17⅞	15	30	3	2	56

**For additional details,
request Bulletin 175.**

Continuous duty performance data (Volumes indicated are displacement of incompressible fluid)

English units		Gal per Rev	BPD per RPM	Max. Pres. PSI	*100 RPM		150 RPM		200 RPM		250 RPM		300 RPM		350 RPM		400 RPM		450 RPM	
Pigr Dia In	Pigr Area (Sq In)				BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
125T-4L (Formerly A 344 H)																				
2 1/2	4.4301	2301	7.89	1500	789	23.01	1184	34.52	1578	46.03	1973	57.53	2367	69.04	2762	80.55	3156	92.05	3551	103.56
2 1/2	4.9087	2550	8.74	1500	874	25.50	1311	38.25	1749	51.00	2186	63.75	2623	76.50	3060	89.25	3497	102.00	3934	114.75
2 1/2	5.4119	2811	9.64	1500	964	28.11	1446	42.17	1928	56.23	2410	70.28	2892	84.34	3374	98.40	3856	112.45	4338	126.51
2 1/2	5.9396	3085	10.58	1389	1058	30.85	1587	46.28	2116	61.71	2645	77.14	3174	92.56	3703	107.99	4232	123.42	4760	138.85
2 1/2	6.4918	3372	11.56	1271	1156	33.72	1734	50.59	2312	67.45	2891	84.31	3469	101.17	4047	118.03	4625	134.89	5203	151.76
2 1/2	7.0686	3672	12.59	1167	1259	36.72	1888	55.08	2518	73.44	3147	91.80	3777	110.16	4406	128.52	5036	146.68	5665	165.24
3 1/4	8.2958	4309	14.78	994	1478	43.09	2216	64.64	2955	86.19	3684	107.74	4433	129.28	5171	150.83	5910	172.38	6649	193.93
3 1/4	9.6211	4998	17.14	857	1714	49.98	2570	74.97	3427	99.96	4284	124.95	5141	149.94	5998	174.93	6854	199.92	7711	224.91
3 1/4	11.0447	5337	19.67	747	1967	57.37	2951	86.06	3924	114.75	4918	143.44	5901	172.12	6885	200.81	7869	229.50	8852	258.19
4	12.5664	6528	22.38	657	2238	65.28	3357	97.92	4476	130.56	5595	163.20	6714	195.84	7834	228.48	8953	261.12	10072	293.76
125T-4M (Formerly A 334 H)																				
1 1/2	2.0739	1077	3.69	3180	369	10.77	554	16.16	739	21.55	923	26.93	1108	32.32	1293	37.71	1478	43.09	1662	48.48
1 1/2	2.4053	1249	4.28	3180	428	12.49	643	18.74	857	24.99	1071	31.24	1285	37.48	1499	43.73	1714	49.98	1928	56.23
1 1/2	2.7612	1439	4.92	2988	492	14.34	738	21.52	984	28.69	1229	35.86	1475	43.03	1721	50.20	1967	57.37	2213	64.55
2	3.1416	1632	5.60	2626	560	16.32	839	24.48	1119	32.64	1399	40.80	1679	48.96	1958	57.12	2238	65.28	2518	73.44
2 1/2	3.5466	1842	6.32	2326	632	18.42	948	27.64	1263	36.85	1579	46.06	1895	55.27	2211	64.48	2527	73.69	2843	82.91
2 1/2	3.9761	2065	7.08	2075	708	20.65	1062	30.98	1416	41.31	1770	51.64	2125	61.96	2479	72.29	2833	82.62	3187	92.95
2 1/2	4.4301	2301	7.89	1862	789	23.01	1184	34.52	1578	46.03	1973	57.53	2367	69.04	2762	80.55	3156	92.05	3551	103.56
2 1/2	4.9087	2550	8.74	1681	874	25.50	1311	38.25	1749	51.00	2186	63.75	2623	76.50	3060	89.25	3497	102.00	3934	114.75
2 1/2	5.4119	2811	9.64	1524	964	28.11	1446	42.17	1929	56.23	2410	70.28	2892	84.34	3374	98.40	3856	112.45	4338	126.51
2 1/2	5.9396	3085	10.58	1389	1058	30.85	1587	46.28	2116	61.71	2645	77.14	3174	92.56	3703	107.99	4232	123.42	4760	138.85
2 1/2	6.4918	3372	11.56	1271	1156	33.72	1734	50.59	2312	67.45	2891	84.31	3469	101.17	4047	118.03	4625	134.89		
3	7.0686	3672	12.59	1167	1259	36.72	1888	55.08	2518	73.44	3147	91.80	3777	110.16	4406	128.52	4721**	137.63**		
125T-4H (Formerly A 324 H)																				
1 1/2	1.2272	6637	2.19	5000	219	6.37	328	9.56	437	12.75	546	15.94	656	19.12	765	22.31	874	25.50	984	28.69
1 1/2	1.4849	7771	2.64	5000	264	7.71	397	11.57	529	15.43	661	19.28	793	23.14	926	27.00	1058	30.85	1190	34.71
1 1/2	1.7671	8918	3.15	4669	315	9.18	472	13.77	629	18.36	787	22.95	944	27.54	1102	32.13	1259	36.72	1416	41.31
1 1/2	2.0739	1077	3.69	3978	369	10.77	554	16.16	739	21.55	923	26.93	1108	32.32	1293	37.71	1478	43.09	1662	48.48
1 1/2	2.4053	1249	4.28	3430	428	12.49	643	18.74	857	24.99	1071	31.24	1285	37.48	1499	43.73	1714	49.98	1928	56.23
1 1/2	2.7612	1434	4.92	2988	492	14.34	738	21.52	984	28.69	1229	35.86	1475	43.03	1721	50.20	1967	57.37	2213	64.55
2	3.1416	1632	5.60	2626	560	16.32	839	24.48	1119	32.64	1399	40.80	1679	48.96	1958	57.12	2238	65.28	2518	73.44
2 1/2	3.5466	1842	6.32	2326	632	18.42	948	27.64	1263	36.85	1579	46.06	1895	55.27	2211	64.48	2527	73.69	2843	82.91
2 1/2	3.9761	2065	7.08	2075	708	20.65	1062	30.98	1416	41.31	1770	51.64	2125	61.96	2479	72.29	2833	82.62	3187	92.95

Brake Horsepower Required

28

42

56

69

83

97

111

125

Metric units

	Pigr Dia mm	Pigr. Area (Sq.cm.)	Liter per RPM	M ³ per RPM	Max. Pres. kPa	*100 RPM		150 RPM		200 RPM		250 RPM		300 RPM		350 RPM		400 RPM		450 RPM	
						M ³ /D	L/Min.	M ³ /D	L/Min.	M ³ /D	L/Min.	M ³ /D	L/Min.	M ³ /D	L/Min.	M ³ /D	L/Min.	M ³ /D	L/Min.	M ³ /D	L/Min.
125T-4L (Formerly A 344 H)																					
	60	28.5815	0.87	1.25	10342	125.37	87.10	188.14	130.67	250.74	174.24	313.51	217.77	376.12	261.34	438.88	304.91	501.49	348.45	564.25	392.02
	64	31.6692	0.97	1.39	10342	138.88	96.53	208.32	144.79	277.92	193.06	347.36	241.32	416.79	289.58	486.23	337.85	555.67	386.11	625.11	434.37
	67	34.9153	1.06	1.53	10342	153.18	106.41	229.77	159.63	306.36	212.85	382.95	266.04	459.54	319.26	536.13	372.48	612.72	425.67	689.31	478.89
	70	38.3198	1.17	1.68	9577	168.12	116.78	252.17	175.19	336.23	233.60	420.29	292.01	504.35	350.38	588.41	408.79	672.46	467.19	756.36	525.60
	73	41.8825	1.28	1.84	8763	183.69	127.64	275.53	191.50	367.38	255.33	459.38	319.15	551.22	382.97	643.07	446.79	734.91	510.61	826.76	574.47
	76	45.6037	1.39	2.00	8046	200.06	139.00	300.00	208.50	400.11	278.00	500.06	347.50	600.17	417.00	700.11	486.50	800.22	556.00	900.17	625.50
	83	53.5214	1.63	2.35	6853	234.85	163.11	352.12	244.69	469.55	326.26	586.98	407.84	704.40	489.38	821.67	570.95	939.10	652.53	1056.53	734.10
	89	62.0717	1.89	2.73	5909	272.35	189.19	408.37	283.79	544.55	378.39	680.73	472.99	816.90	567.58	953.08	662.18	1089.10	756.78	1225.28	851.37
	96	71.2563	2.02	3.13	5150	312.56	217.17	468.91	325.77	625.11	434.37	781.47	542.98	937.67	651.54	1094.00	760.15	1250.38	868.75	1406.58	977.35
	102	81.0737	2.47	3.56	4530	355.62	247.11	533.43	370.67	711.24	494.22	889.05	617.78	1066.8	741.33	1244.8	864.89	1422.63	988.44	1600.44	1112
125T-4M (Formerly A 334 H)																					
	41	13.3802	0.41	0.59	21925	58.63	40.77	88.03	61.17	117.43	81.58	146.66	101.94	176.06	122.34	205.46	142.75	234.85	163.11	264.09	183.52
	44	15.5179	0.47	0.68	21925	68.01	47.28	102.17	70.94	136.18	94.60	170.18	118.26	204.19	141.88	238.19	165.54	272.35	189.19	306.36	212.85
	48	17.8139	0.54	0.78	20602	78.18	54.28	117.27	81.46	156.36	108.60	195.29	135.74	234.38	162.89	273.47	190.03	312.56	217.17	351.65	244.35
	51	20.2683	0.62	0.89	18106	88.98	61.78	133.32	92.67	177.81	123.56	222.30	154.44	266.79	185.33	311.13	216.22	355.62	247.11	400.11	278.00
	54	22.8810	0.70	1.00	16037	100.42	69.73	150.64	104.63	200.69	139.49	250.90	174.36	301.12	209.22	351.33	244.08	401.54	278.95	451.75	313.85
	57	25.6521	0.78	1.12	14307	112.50	78.17	168.75	117.27	225.00	156.37	281.25	195.48	337.66	234.54	393.91	273.65	450.16	312.75	506.41	351.85
	60	28.5815	0.87	1.25	12838	125.37	87.10	188.14	130.67	250.74	174.24	313.51	217.77	376.12	261.34	438.88	304.91	501.49	348.45	564.25	392.02
	64	31.6592	0.97	1.39	11590	138.88	96.53	208.32	144.79	277.92	193.06	347.36	241.32	416.79	289.58	486.23	337.85	549.32	386.11	625.11	434.37
	67	34.9153	1.06	1.53	10508	153.18	106.41	229.77	159.63	306.52	212.85	382.95	266.04	459.54	319.26	536.13	372.48	612.72	425.67	689.31	478.89
	70	38.3198	1.17	1.68	9577	168.12	116.78	252.17	175.19	336.23	233.60	420.29	292.01	504.35	350.38	588.41	408.79	672.46	467.19	756.36	525.60
	73	41.8825	1.28	1.84	8763	183.69	127.64	275.53	191.50	367.38	255.33	459.38	319.15	551.22	382.97	643.07	446.79	734.91	510.61	-	-
	76	45.6037	1.39	2.00	8046	200.06	139.00	300.00	208.50	400.11	278.00	500.06	347.50	600.17	417.00	700.11	486.50	750.17**	520.98**	-	-
125T-4H (Formerly A 324 H)																					
	32	7.9173	0.24	3.48	34474	34.80	24.11	52.12	36.19	69.44	48.26	86.76	60.34	104.24	72.38	121.56	84.45	138.88	96.53	156.36	108.60
	35	9.5799	0.29	4.20	34474	41.95	29.19	63.08	43.80	84.06	58.41	105.03	72.98	126.01	87.59	147.14	102.21	168.12	116.78	189.09	131.39
	38	11.4009	0.35	5.00	32192	50.05	34.75	75.00	52.13	99.95	69.50	125.05	86.87	150.00	104.25	175.11	121.62	200.06	139.00	225.00	156.37
	41	13.3802	0.41	5.86	27428	58.63	40.77	88.03	61.17	117.43	81.58	146.66	101.94	176.06	122.34	205.46	142.75	234.85	163.11	264.09	183.52
	44	15.5179	0.47	6.80	23649	68.01	47.28	102.17	70.94	136.18	94.60	170.18	118.26	204.19	141.88	238.19	165.54	272.35	189.19	306.36	212.85
	48	17.8139	0.54	7.82	20602	78.18	54.28	117.27	81.46	156.36	108.60	195.29	135.74	234.38	162.89	273.47	190.03	312.56	217.17	351.65	244.35
	51	20.2683	0.62	8.90	18106	88.98	61.78	133.32	92.67	177.81	123.56	222.30	154.44	266.79	185.33	311.13	216.22	355.62	247.11	400.11	278.00
	54	22.8810	0.70	10.04	16037	100.42	69.73	150.64	104.63	200.69	139.49	250.90	174.36	301.12	209.22	351.33	244.08	401.54	278.95	451.75	313.85
	57	25.6521	0.78	11.25	14307	112.50	78.17	168.75	117.27	225.00	156.37	281.25	195.48	337.66	234.54	393.91	273.65	450.16	312.75	506.41	351.85
Kilowatts Required																					
						21		31		41		52		62		72		83		93	