

Discharge Capacity and Pressure Table of W-446 Triplex Single Acting Pump

Liner Size	in	6	5 3/4	5 1/2	5 1/4	5	4 1/2	4
Discharge Pressure	MPa	9.3	10.1	11.0	12.1	13.4	16.5	20.7
	psi	1349	1465	1595	1755	1943	2393	3000
Stroke per Minute SPM	Power kW (HP)	Displacement L/s (GPM)						
260	373 (500)	36.1 (572.2)	33.2 (526.2)	30.4 (481.4)	27.7 (439.0)	25.1 (397.8)	20.3 (321.8)	16.1 (255.2)
220	316 (423)	30.6 (485.0)	28.1 (445.4)	25.7 (407.3)	23.4 (370.9)	21.2 (336.0)	17.2 (272.6)	13.6 (215.6)
180	258 (346)	25.0 (396.3)	23.0 (364.6)	21.0 (332.9)	19.2 (304.3)	17.4 (275.8)	14.1 (223.5)	11.1 (175.9)
140	201 (269)	19.5 (309.1)	17.9 (283.7)	16.4 (259.9)	14.9 (236.2)	13.5 (214.0)	10.9 (172.8)	8.6 (136.3)
100	143 (192)	13.9 (220.3)	12.8 (202.9)	11.7 (185.4)	10.6 (168.0)	9.7 (153.7)	7.8 (123.6)	6.2 (98.3)
60	86 (115)	8.3 (131.6)	7.7 (120.5)	7.0 (111.0)	6.4 (101.4)	5.8 (91.9)	4.7 (74.5)	3.7 (58.6)
1	1.43 (1.92)	0.139 (2.203)	0.128 (2.029)	0.117 (1.854)	0.106 (1.680)	0.097 (1.537)	0.078 (1.236)	0.062 (0.983)

- Performance data are calculated by 90% mechanical efficiency and 100% volumetric efficiency.

Liner Size	in	6	5 3/4	5 1/2	5 1/4	5	4 1/2	4
Displacement	gal/rev	2.205	2.025	1.851	1.686	1.527	1.239	0.980
	L/s	30.6	28.1	25.7	23.4	21.2	17.2	13.6
Discharge Pressure	psi	1595	1725	1900	2074	2291	2828	3000
	MPa	11.0	11.9	13.1	14.3	15.8	19.5	20.7

- Performance data are calculated by 220 spm.