

Discharge Capacity and Pressure Table of W-440 Triplex Single Acting Pump

Liner Size	in	4 1/2	4 1/4	4	3 3/4	3 1/2	3
Discharge Pressure	MPa	11.8	13.2	14.9	17.0	19.5	26.6
	psi	1711	1914	2160	2465	2828	3857
Stroke per Minute SPM	Power kW (HP)	Displacement L/s (GPM)					
320	328 (440)	25.0 (396.3)	22.3 (353.5)	19.8 (313.8)	17.4 (275.8)	15.1 (239.3)	11.1 (175.9)
270	277 (371)	21.1 (334.4)	18.8 (298.0)	16.7 (264.7)	14.7 (233.0)	12.8 (202.9)	9.4 (149.0)
220	226 (303)	17.2 (272.6)	15.3 (242.5)	13.6 (215.6)	11.9 (188.6)	10.4 (164.8)	7.6 (120.5)
170	174 (234)	13.3 (210.8)	11.9 (188.6)	10.5 (166.4)	9.2 (145.8)	8.0 (126.8)	5.9 (93.5)
120	123 (165)	9.4 (149.0)	8.4 (133.1)	7.4 (117.3)	6.5 (103.0)	5.7 (90.3)	4.2 (66.6)
70	72 (96)	5.5 (87.2)	4.9 (77.7)	4.3 (68.2)	3.8 (60.2)	3.3 (52.3)	2.4 (38.0)
1	1.03 (1.38)	0.078 (1.236)	0.070 (1.110)	0.062 (0.983)	0.054 (0.856)	0.047 (0.745)	0.035 (0.555)

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

Liner Size	in	4 1/2	4 1/4	4	3 3/4	3 1/2	3
Displacement	gal/rev	1.239	1.102	0.98	0.857	0.749	0.548
	L/s	17.2	15.3	13.6	11.9	10.4	7.6
Discharge Pressure	psi	2494	2798.5	3146.5	3596	4118	5000
	MPa	17.2	19.3	21.7	24.8	28.4	34.5

- Performance data are calculated by 220 spm.