

S100 SERIES PUMP PERFORMANCE SHEET
(Speed and Power Data)

Pump Test		No. of Stages	Impeller Diameter - 10.655 in.	
GPM	PSI (1)		8 in. Intake & Dual Intake	
			82911 & 83012 6 in. Eye Diameter	
			Speed (RPM)	Power (HP)
1250	150	Single	3310	160
875	200	Single	3625	180
625	250	Single	4000	215
1250	165	Single	3425	176
1500	150	Single	3400	183
1050	200	Single	3668	200
750	250	Single	4000	225
1500	165	Single	3545	200
1750	150	Single	3558	210
1225	200	Single	3723	217
875	250	Single	4030	240
1750	165	Single	3688	232
2000	150	Single	3713	244
1400	200	Single	3798	240
1000	250	Single	4063	255
2000	165	Single	3830	265
(1) Net pump pressure.				
Page 1 of 2			Form No. F-2539	

S100 SERIES PUMP PERFORMANCE SHEET
(Lift and Elevation Data)

Pump Test		Intake Hose Dia. (20 Foot or 6 Meter Length) (2)	Impeller		
			8 in. Intake & Dual Intake		
82911 & 83012 (6 in. Eye Diameter)					
GPM	PSI (1)		Maximum Lift Sea Level (Feet)	Maximum Altitude at Lift Specified (Feet)	Maximum Allowance for Connecting Piping ("Hg) (3)
1250	150	6 in.	14.30	3000 (10 Foot Lift)	1.67
1500	150	6 in. (4)	15.00	4300 (10 Foot Lift)	2.30
1750	150	6 in. (4)	13.40	4600 (8 Foot Lift)	2.67
2000	150	6 in. (4)	13	6000 (6 Foot Lift)	4.2

Data shown is generally applicable. Performance for a specific configuration of pump may vary from that shown. See form F-1096.

(1) Net pump pressure.

(2) Friction loss in hose and strainer is based on data in NFPA Standard No. 1901, 2003 edition, Table 16.2.4.1 (b).

(3) Maximum friction loss allowance for connecting piping per NFPA 1901 suction capability conditions, including intake valves between pump intake and connecting hose of apparatus.

(4) Dual suction operation, two intake hoses required.