

CL & CLS SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET
(Speed and Power Data)

IMPELLER DIAMETER - 7-1/2 INCH EYE DIAMETER - 4-1/4 INCH												
PUMP TEST		SERIES- PARALLEL NO. STAGES	IMPELLER COMBINATIONS									
			70980 & 70981									
GPM	PSI		CLV & CLR		CLS							
		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP	
500 (1893 L/min)	150 (10 bar)	4775	62 (46 kw)	4773	64 (48 kw)							
350 (1325 L/min)	200 (14 bar)	5125	64 (48 kw)	5095	64 (48 kw)							
250 (946 L/min)	250 (17 bar)	5622	71 (53 kw)	5563	72 (54 kw)							
500 (1893 L/min)	165 (11 bar)	4938	68 (51 kw)	4948	73 (53 kw)							
80 (303 L/min)	350 (24 bar)	6600	95 (71 kw)	6505	94 (70 kw)							
20 (76 L/min)	80 (6 bar)	3069	9 (7 kw)									
100 (379 L/min)	100 (7 bar)	3441	15 (11 kw)									

CL & CLS SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET
(Lift and Elevation Data)

PUMP TEST		INTAKE HOSE DIA (20 FT [6 M] LENGTH)	IMPELLER COMBINATIONS							
			70980 & 70981							
CLS			CLV, CLR & CLD							
GPM	PSI		Maximum Lift Sea Level (Ft)	Maximum Alt 10 Ft (3 m) Lift	10' Lift @ 2000' Alt. Maximum Allowance for Connection Piping (" Hg)	Maximum Lift Sea Level (Ft)	Maximum Alt 10 Ft (3 m) Lift			
500 (1893 L/min)	150 (10 bar)	4 in. (102 mm)	13.8* (4.2 m)	3300 (1000 m)	3 (76 mm)	15.8* (4.8 m)	4600 (1,400 m)			
500 (1893 L/min)	150 (10 bar)	4-1/2 in. (114 mm)	14.9* (5 m)	5000 (1524 m)	5 (127 mm)	16.7* (5 m)	6800 (2073 m)			
*Based on the use of a 30'-0" intake hose direct connection to pump intake										
Data shown is generally applicable. Performance for a specific configuration of pump may vary from that shown. See form F-1096 (latest revision).										
Friction loss in hose and strainer is based on data in NFPA Standard No. 1901, 1991 edition, Table 4-1.3.1(b)										