

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	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)							

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	Maximum Lift Sea Level (Ft)	Maximum Alt 10 Ft (3 m) Lift	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)											