

CM SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET

(Speed and Power Data)

IMPELLER DIAMETER - 9-1/2 INCH										
PUMP TEST		SERIES-PARALLEL NO. STAGES	IMPELLER COMBINATIONS							
			71796 - 71797 5" Eye Diameter							
GPM	PSI		RPM	HP	RPM	HP	RPM	HP	RPM	HP
750	150	Parallel	3520	107						
525	200	Parallel	3990	127						
525	200	Series	3120	92						
375	250	Series	3250	89						
750	165	Parallel	3695	118						
1000	150	Parallel	3640	128						
700	200	Parallel	4015	143						
700	200	Series	3395	128						
500	250	Series	3390	110						
1000	165	Parallel	3795	142						
1250	150	Parallel	3790	156						
875	200	Parallel	4060	162						
625	250	Series	3555	135						
1250	165	Parallel	3935	172						
20	80	Parallel	2474	22						
100	100	Parallel	2803	34						
20	80	Series	1788	10						
100	100	Series	2020	16						
80	500	Series - 2 Stage	4365	143						
60	600	Series - 2 Stage	4800	172						
60	600	Series - 3 Stage*	3880	110						
60	800	Series - 3 Stage*	4475	166						
		*Impeller 71670 added								
							PERFORMANCE CURVES			
					CURVE	IMPELLER NUMBER				
					771211	71796, 71797				
					771212	71796, 71797, 71670 60 gpm @ 800 psi				
									Form No. F-1146	

CM SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET
(Lift and Elevation Data)

PUMP TEST		SUCTION HOSE DIA (20 FT LENGTH)	IMPELLER COMBINATIONS	
			71796- 71797	
GPM	PSI		Maximum Lift Sea Level (Ft)	Maximum Alt (Ft) 10 Ft Lift
750	150	4-1/2"	16.5*	7000
750	150	5"	19.6*	10,100
1000	150	5"	13.7*	4500
1000	150	6"	19.1*	8500
1250	150	6"	13.4	3600
1250	150	6"***	17.3	6800
*Based on the use of 30'-0" suction hose.				
**Dual suction hose operation - one on each side of pump.				
Data shown is generally applicable. Performance for a specific configuration of pump may vary from that shown. See form F-1096, (latest revision).				
However, the design of the suction piping and the inclusion of intake valves will have an adverse effect on lift and altitude performance				
Friction loss in hose and strainer is based on data in NFPA Standard No. 1901, 1999 edition, Table 14-2.4.1.(b)				
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