

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		71537 – 71538 4–3/8" Eye Diameter							
GPM	PSI		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
500	150	Parallel			3485	81						
350	200	Parallel			3955	101						
350	200	Series			2935	64						
250	250	Series			3180	67						
500	165	Parallel			3645	91						
750	150	Parallel	3520	107	3535	102						
525	200	Parallel	3990	127	3990	117						
525	200	Series	3120	92	3110	91						
375	250	Series	3250	89	3255	86						
750	165	Parallel	3695	118	3685	113						
1000	150	Parallel	3640	128	3645	126						
700	200	Parallel	4015	143	4005	136						
700	200	Series	3395	128	–	–						
500	250	Series	3390	110	3380	107						
1000	165	Parallel	3795	142	3780	139						
1250	150	Parallel	3790	156								
875	200	Parallel	4060	162								
625	250	Series	3555	135								
1250	165	Parallel	3935	172								
80	500	Series – 2 Stage	4365	143	4375	131						
60	600	Series – 2 Stage	4800	172	4770	154						
60	600	Series – 3 Stage*	3880	110								
60	800	Series – 3 Stage*	4475	166	4450	165						
		*Impeller 71670 added										
										PERFORMANCE CURVES		
										CURVE	IMPELLER NUMBER	
										721003	71537, 71538	
										771211	71796, 71797	
										771212	71796, 71797, 71670 60 gpm @ 800 psi	

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

PUMP TEST		SUCTION HOSE DIA (20 FT LENGTH)	IMPELLER COMBINATIONS			
			71796– 71797		71537 – 71538	
			Maximum Lift Sea Level (Ft)	Maximum Alt (Ft) 10 Ft Lift	Maximum Lift Sea Level (Ft)	Maximum Alt (Ft) 10 Ft Lift
GPM	PSI					
500	150	4"			19.0*	10,000
500	150	4-1/2"			20.0*	10,400
750	150	4-1/2"	16.5*	7000	15.1*	6000
750	150	5"	19.6*	10,100	16.0*	6200
1000	150	5"	13.7*	4500	11.5	2700
1000	150	6"	19.1*	8500	12.8*	3000
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)						