

CS SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET

(Speed and Power Data)

IMPELLER DIAMETER – 10–1/2 INCH

PUMP TEST		SERIES– PARALLEL NO. STAGES	IMPELLER COMBINATIONS									
			71799 5" Eye Dia		81357 4–3/8 " Eye Dia							
GPM	PSI		RPM	HP	RPM	HP	RPM	HP	RPM	HP	RPM	HP
750	150	Single	3087	94	3195	92						
525	200	Single	3496	110	3590	103						
375	250	Single	3904	136	3985	117						
750	165	Single	3212	104	3340	101						
1000	150	Single	3139	115	3450	120						
700	200	Single	3507	126	3740	122						
500	250	Single	3916	146	4115	134						
1000	165	Single	3269	128	3555	130						
1250	150	Single	3253	143								
875	200	Single	3530	144								
625	250	Single	3927	158								
1250	165	Single	3360	157								
80	250	Single	3850	114								
60	300	Single	4210	146								
20	80	Single	2169	21								
100	100	Single	2444	31								
60	500	Series – 2 Stage*	4000	160								
80	500	Series – 2 Stage*	4015	166								
		*Impeller 71670 added.										
PERFORMANCE CURVES												
						IMPELLER						
						771213 71799 (single stage)						
						771214 71799, 71670 (2 stage)						
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CS SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET
(Lift and Elevation Data)

PUMP TEST		SUCTION HOSE DIA (20 FT LENGTH)	IMPELLER COMBINATIONS			
			71799		81357	
			Maximum Lift Sea Level (Ft)	Maximum Alt (Ft) 10 Ft Lift	Maximum Lift Sea Level (Ft)	Maximum Alt (Ft) 10 Ft Lift
GPM	PSI					
750	150	4-1/2"	16.0*	7000	12.0	2000
750	150	5"	19.0*	9000	14.5	4000
1000	150	5"	14.5*	5500	12.0	2000
1000	150	6"	19.0*	9000	14.5	4000
1250	150	6"	15.5*	5600		
1250	150	6***	18.0**	7500		
*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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