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CX Series Centrifugal Fire Pump Performance Sheet
(Speed and Power Data)

Impeller Diameter - 10.00 in.										
Pump Model	Pump Test					Impeller Part No.			Performance Curves	
	Capacity			Net Pump Pressure		71888 or 71896 6.20 in. Diameter Eye				
	GPM	L/min	L/S	PSI	bar	Speed (RPM)	Power		Curve	Impeller Part No.
						HP	kw			
CXN, CXR, CXS, CXV	750	2839	-	150	10	3400	97	72	-	-
				165	11	3535	108	81	810304	71888 or 71896
	525	1987	-	200	14	3820	119	89		
	375	1420	-	250	17	4280	152	113		
	1000	3785	-	150	10	3510	117	87		
				165	11	3650	130	96		
	700	2650	-	200	14	3880	131	97		
	500	1893	-	250	17	4290	160	119		
	1250	4732	-	150	10	3690	146	108		
				165	11	3835	161	120		
	875	3312	-	200	14	3928	148	110		
	625	2366	-	250	17	4315	170	126		
	1500	5678	-	150	10	4000	185	138		
				165	11	4100	200	149		
	1050	3974	-	200	14	4000	165	123		
	750	2839	-	250	17	4350	180	134		
20	76		80	6	2368	22	16			
100	379		100	7	2680	33	24			

Table continued on following page.

CX Series Centrifugal Fire Pump Performance Sheet (Cont'd)

(Speed and Power Data)

Impeller Diameter - 10.00 in.										
Pump Model	Pump Test					Impeller Part No.			Performance Curves	
	Capacity			Net Pump Pressure		71888 or 71896 6.20 in. Diameter Eye				
	GPM	L/min	L/S	PSI	bar	Speed (RPM)	Power		Curve	Impeller Part No.
						HP	kw			
CXV Only	1585	-	100 L/S	150	10	4050	206	153		
	1110	-	70 L/S	189	13	3960	171	127		
	793	-	50 L/S	150	10	3340	95	71		

CX Series Centrifugal Fire Pump Performance Sheet (Lift and Elevation Data)

Pump Test		Intake Hose Length: 20 Feet (6 Meters)		Pump Models CXN, CXR, CXS and CXV			Pump Model CXS Only		
				71888 or 71896 Impeller			71888 or 71896 Impeller		
Capacity	Net Pump Pressure	Diameter	No of Intake Hoses	Maximum Allowance for Connection Piping (Hg)	Maximum Lift at Sea Level	Maximum Altitude 10 Foot (3 Meter) Lift	Maximum Allowance for Connection Piping (Hg)	Maximum Lift at Sea Level	Maximum Altitude 10 Foot (3 Meter) Lift
750 GPM (2839 L/min)	150 psi (10 bar)	4-1/2 in. (114 mm)	1	3.5 in. (8.9 mm)	13 Feet* (3.9 Meters)	6000 Feet (1818 Meters)	-	-	-
	150 psi (10 bar)	5 in. (127 mm)	1	-	16 Feet* (4.8 Meters)	7290 Feet (2209 Meters)	-	-	-
	150 psi (10 bar)	6 in. (152 mm)	1	-	19 Feet* (5.8 Meters)	11500 Feet (3485 Meters)	-	-	-
1000 GPM (3785 L/min)	150 psi (10 bar)	5 in. (127 mm)	1	3 in. (76 mm)	14 Feet* (4.2 Meters)	4000 Feet (1219 Meters)	-	-	-
	150 psi (10 bar)	6 in. (152 mm)	1	-	19 Feet** (6 Meters)	8000 Feet (2114 Meters)	5.8 in. (147 mm)	19 Feet * (5.8 Meters)	8000 Feet (2424 Meters)
1250 GPM (4732 L/min)	150 psi (10 bar)	6 in. (152 mm)	1	1 in. (25 mm)	14 Feet* (4 Meters)	6000 Feet (1818 Meters)	2.5 in. (63.5 mm)	15 Feet * (4.5 Meters)	4600 Feet (1394 Meters)
1500 GPM (5678 L/min)	150 psi (10 bar)	6 in. (152 mm)	2	2 in. (50 mm)	15 Feet* (4.5 Meters)	4000 Feet (1219 Meters)	1.6 in. (40.6 mm)	14 Feet * (4 Meters)	3600 Feet (1097 Meters)

NOTES:

- * 1. 20 feet of intake hose direct connected to pump intake.
- ** 2. 30 feet of intake hose direct connected to pump intake.
3. Data show is generally applicable. Performance for a specific configuration of pump may vary from that shown. See Form F-1096.
4. Friction loss in hose and strainer is based on data in NFPA Standard No. 1901, 1991 edition, Table 4-1.3.1(b).