

CG SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET
(Speed and Power Data)

IMPELLER DIAMETER – 9 INCH EYE DIAMETER – 4–7/8 INCH										
PUMP TEST		SERIES– PARALLEL NUMBER OF STAGES	IMPELLER COMBINATIONS							
			71899 (CGR & CGN PUMPS)							
71899 & 71887 (CGV PUMP)			RPM	HP						
GPM	PSI		RPM	HP	RPM	HP	RPM	HP	RPM	HP
500 (1893 L/min)	150 (10 bar)		3740	68 (51 kw)						
350 (1325 L/min)	200 (14 bar)		4180	76 (57 kw)						
250 (946 L/min)	250 (17 bar)		4600	90 (67 kw)						
500 (1893 L/min)	165 (11 bar)		3900	75 (56 kw)						
750 (2839 L/min)	150 (10 bar)		4055	95 (71 kw)						
525 (1987 L/min)	200 (14 bar)		4255	92 (69 kw)						
375 (1420 L/min)	250 (17 bar)		4645	102 (76 kw)						
750 (2839 L/min)	165 (11 bar)		4190	102 (76 kw)						
80 (303 L/min)	350 (24 bar)		5350	125 (93 kw)						
1000 (3785 L/min)	150 (10 bar)		4800	145 (109 kw)						
700 (2650 L/min)	200 (14 bar)		4480	115 (86 kw)						
500 (1893 L/min)	250 (17 bar)		4720	110 (82.5 kw)						
1000 (3785 L/min)	165 (11 bar)		4950	156 (117 kw)						
20 (76 L/min)	80 (6 bar)		2685	12 (9 kw)						
100 (379 L/min)	100 (7 bar)		2958	19 (14 kw)						
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CG SERIES CENTRIFUGAL FIRE PUMP PERFORMANCE SHEET
(Lift and Elevation Data)

PUMP TEST		INTAKE HOSE DIA (20 FT [6 M] LENGTH)	IMPELLER COMBINATIONS								
			71887 & 71899								
GPM	PSI		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	Maximum Lift Sea Level (Ft)	Maximum Alt 10 Ft (3 m) Lift
500 (1893 L/min)	150 (10 bar)	4 in. (102 mm)	7.47 (190 mm)	19.5 (5.8 m)	10000 (3030 m)						
		4-1/2 in. (114 mm)	8.3 (211 mm)	21* (9.4 m)	11500 (3485 m)						
		5 in. (127 mm)	9.2 (233.7 mm)	22.4* (6.8 m)	13000 (3939 m)						
750 (2839 L/min)	150 (10 bar)	4-1/2 in. (114 mm)		11* (3.3 m)	1100 (333 m)						
		5 in. (127 mm)	1.95 (49.5 mm)	14* (4.2 m)	3960 (1200 m)						
1000** (3785 L/min)	150 (10 bar)	5 in. (127 mm)	N/A	8.5 (2.6 m)	N/A						
			*Based on the use of 30'0" (9 m) suction hose direct connected to pump intake								
			**Flooded suction 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, 1979 edition, Table 3-1.2.2(e)								