



# CRI 1680 Triplex Plunger Pump

INNOVATION THROUGH EXPERIENCE



## Intermittent Duty Performance Chart

### 4.0" to 7.5" Plunger x 8" Stroke, Single Acting Triplex Plunger Pump

#### IMPERIAL UNITS

Plunger Diameter	Displacement Factors @ 100% Volumetric Efficiency US Gallons/Rev	Pump Speed in Crankshaft Revolutions per Minute (RPM)									
		100		150		200		250		330	
		Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure
Inches	GPR	GPM	Max @ Capacity	GPM	Max @ Capacity	GPM	Max @ Capacity	GPM	Max @ Capacity	GPM	Max @ Capacity
			PSIG		PSIG		PSIG		PSIG		PSIG
7.5	4.59	459	5650	689	4232	918	3174	1148	2539	1515	1924
7	3.999	400	6490	600	4858	800	3643	1000	2915	1320	2208
6.75	3.713	371	6990	557	5232	743	3924	928	3139	1225	2378
6.5	3.448	345	7530	517	5634	690	4225	862	3380	1138	2561
6	2.938	294	8830	441	6612	588	4959	735	3967	970	3005
5.75	2.698	270	9620	405	7200	540	5400	675	4320	890	3273
5.5	2.468	247	10500	370	7870	494	5900	617	4720	814	3580
5	2.04	204	12720	306	9522	408	7142	510	5713	673	4328
4.5	1.652	165	15700	248	11759	330	8819	413	7055	545	5345
4	1.306	131	19880	196	14874	261	11155	327	8924	431	6761
Input Power @ 90% ME***	BHP	1783		2250		2250		2250		2250	
Pinion RPM @ 6.35 : 1 Gear Ratio		635		953		1270		1588		2096	

#### METRIC UNITS

Plunger Diameter	Displacement Factors @ 100% Volumetric Efficiency Litres/Rev	Pump Speed in Crankshaft Revolutions per Minute (RPM)									
		100		150		200		250		330	
		Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure	Capacity @100% VE**	Discharge Pressure
mm	LPR	LPM	Max @ Capacity	LPM	Max @ Capacity	LPM	Max @ Capacity	LPM	Max @ Capacity	LPM	Max @ Capacity
			Bar		Bar		Bar		Bar		Bar
191	17.37	1737	390	2608	292	3475	219	4345	175	5734	133
178	15.136	1514	448	2271	335	3028	251	3785	201	4996	152
171	14.054	1404	482	2108	361	2812	271	3512	216	4637	164
165	13.05	1306	519	1957	389	2612	291	3263	233	4307	177
152	11.12	1113	609	1669	456	2226	342	2782	274	3671	207
146	10.212	1022	663	1533	497	2044	372	2555	298	3369	226
140	9.34	935	724	1400	543	1870	407	2335	326	3081	247
127	7.721	772	877	1158	657	1544	493	1930	394	2547	298
114	6.252	625	1083	939	811	1249	608	1563	487	2063	369
102	4.943	496	1371	742	1026	988	769	1238	615	1631	466
Input Power @ 90% ME***	kW	1337		1688		1688		1688		1688	
Pinion RPM @ 6.35 : 1 Gear Ratio		635		953		1270		1588		2096	



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