



ACID C-PUMP

Centrifugal Pumps are a sub-class of dynamic axisymmetric work-absorbing turbo-machinery. Centrifugal pumps are used to transport fluids by the conversion of rotational kinetic energy to the hydrodynamic energy of the fluid flow. The rotational energy typically comes from an engine or electric motor. The fluid enters the pump impeller along or near to the rotating axis and is accelerated by the impeller, flowing radially outward into a diffuser or volute chamber (casing), from where it exits.

TECHNICAL DATA SHEET

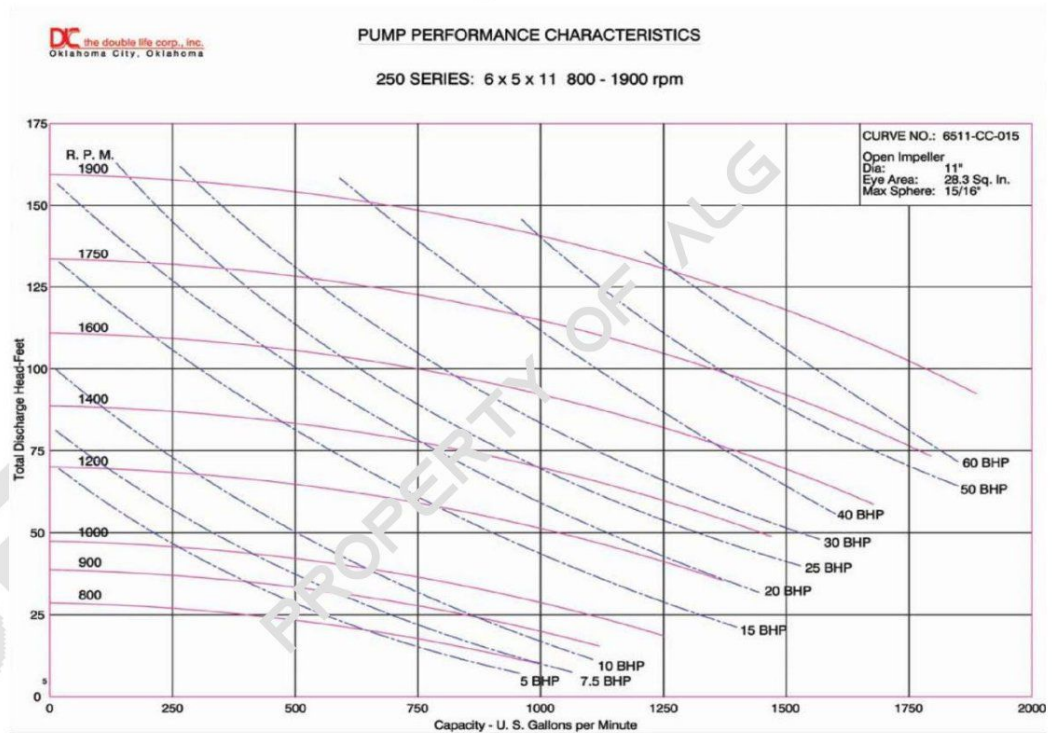
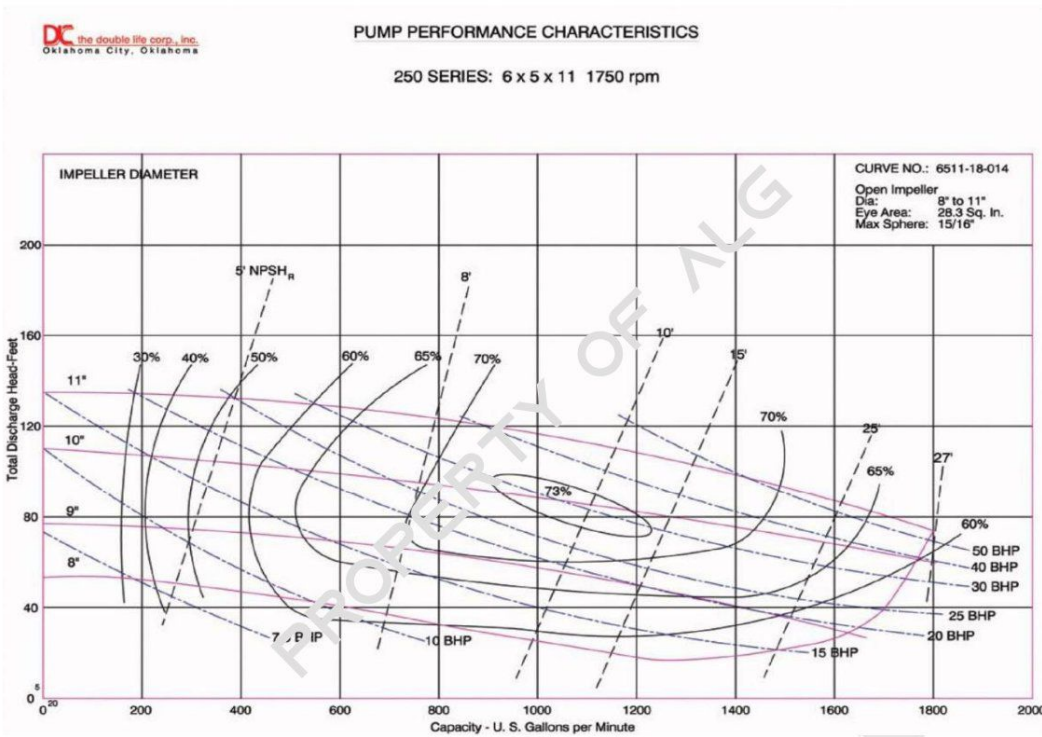
<i>Skid</i>	Custom made heavy duty skid with Crash Frame L X W X H – 3.0 x 1.3 x 1.5 m.
<i>Engine</i>	Caterpillar C4.4, 84bhp Diesel Engine or equivalent
<i>PTO</i>	Mechanical PTO NACD
<i>Centrifugal Pump</i>	Double life 6 x 5 x 11, 1000 gpm. at 65 psi
<i>Manifolds</i>	2 Suction Ports and 2 Discharge Ports with Butterfly valves, pressure gauge and sampling point on discharge
<i>Suction and discharge Connection</i>	4" Weco hammer union 206, 2 nos. on suction, 2 nos. on discharge
<i>Diesel Tank</i>	Mild Steel Diesel Tank Mounted on Frame
<i>Control</i>	Engine starting, RPM and engine gauges on control panel
<i>Coating</i>	Derekane 411.45 anti-acid coating of pump interior and piping
<i>Valves</i>	PTFE Acid Resistant Valves



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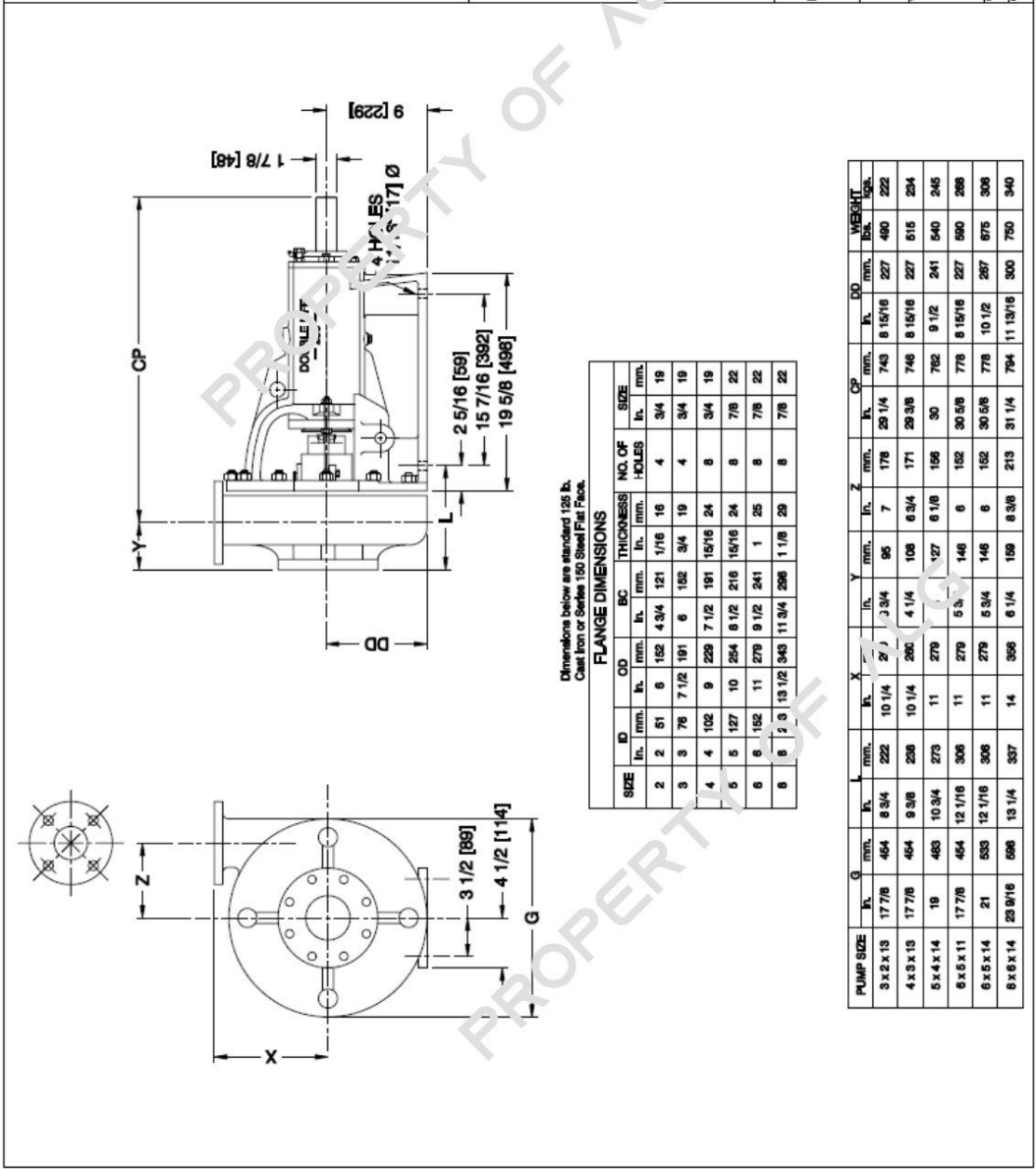
Pump Performance Curves:



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REVISIONS	NO.	ZONE	DESCRIPTION	BY	DATE
	1	ALL	WEIGHT CHANGE	MMW	8-24-04



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THE DOUBLE LIFE CORP., INC.

DL the double life corp., inc.
CUSTOMER DRAWING
250 SERIES CENTRIFUGAL PUMP

REVISED BY DATE
None MMW 2/10/00 MFB
Drawing No. 111-111-111
1/1 98-01542 1 A 1

PUMP SIZE	G		I		X		Y		Z		CP		DD		WEIGHT	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.
3 x 2 x 13	17 7/8	454	8 3/4	222	10 1/4	267	3 3/4	95	7	178	29 1/4	743	8 15/16	227	480	222
4 x 3 x 13	17 7/8	454	9 3/8	238	10 1/4	260	4 1/4	108	6 3/4	171	29 3/8	746	8 15/16	227	515	234
5 x 4 x 14	19	483	10 3/4	273	11	279	5	127	6 1/8	156	30	762	9 1/2	241	540	245
6 x 5 x 11	17 7/8	454	12 1/16	306	11	279	5 5/8	146	6	152	30 5/8	778	8 15/16	227	560	268
6 x 5 x 14	21	533	12 1/16	306	11	279	5 3/4	146	6	152	30 5/8	778	10 1/2	267	675	306
8 x 8 x 14	23 9/16	606	13 1/4	337	14	356	6 1/4	159	8 3/8	213	31 1/4	794	11 13/16	300	750	340



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TECHNICAL DATA SHEET

<i>Skid</i>	Custom-made Heavy-duty Skid
<i>Engine</i>	One (1) New Cummins 6LTA8.9- 360 bhp @ 2200 rpm
<i>PTO</i>	One (1) New mechanical operated PTO to disengage engine and C-pump
<i>Centrifugal Pump</i>	One (1) New MCM 12 x 10 x 23 pump with 20inch impeller
<i>Manifold system</i>	Necessary suction and discharge manifold with 10 x fig 207 suction and 8 x fig 207 discharge manifold
<i>Diesel Tank</i>	Mild steel diesel tank
<i>Control Panel</i>	Control panel to control engine starting and rpm as well as monitor engine parameters
<i>Anti Acid</i>	Pump wetted parts and pipping manifold are internally coated with Derakane 411.45 to resist HCL acid
<i>Valves</i>	PTFE butterfly valves.



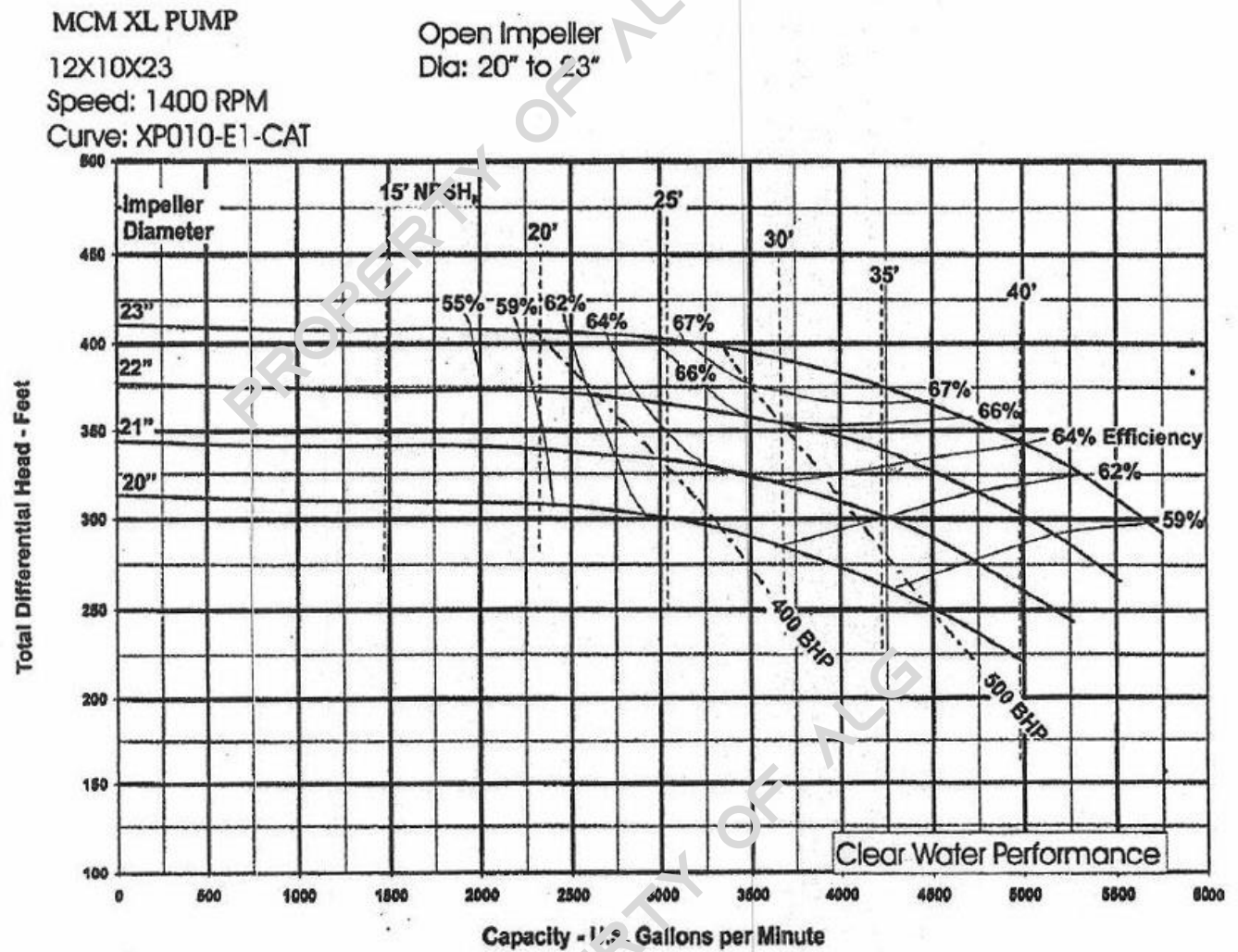
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C-Pump + Clutch:

Unit is equipped with one (1) WPT USA mechanical clutch

The unit is equipped with one (1) MCM 12 x 10 x 23 with 20 inch impeller



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