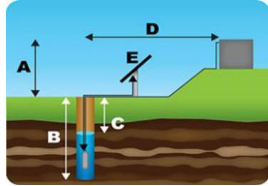


Pump Sizing Software



Well Information		Yield Output	
Water Level (C):	10	Pipeline Friction Loss	0.33
Depth of Well (B):	20	Total Dynamic Head	11.33
Height Above the Well (A)	1	Loss Factor	2%
Pipeline		Peak Flow at the Well	1176
Distance of Pipeline (D):	50	Peak Flow at Total Dynamic Head before Losses	1183
Diameter of Pipe:	32	Peak Flow at Total Dynamic Head After Losses	1159
Model and Location		Daily Supply	
Select Pump Model	Ceva55X0290-	Average Liters per day	6785
Select Region/Country	Gauteng	Daily Water need	0
Select nearest town	Johannesburg	Surplus/Deficit	6785

Daily Water Need

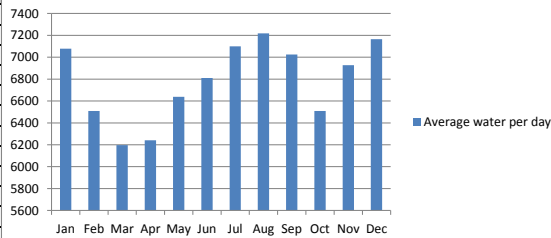
Dependents	Quantity	Total Daily Need
Large Cattle	0	0
Small Cattle	0	0
Sheep+Goats	0	0
Humans	0	0
Chickens	0	0
Horses/Donkeys	0	0
Misc	0	0



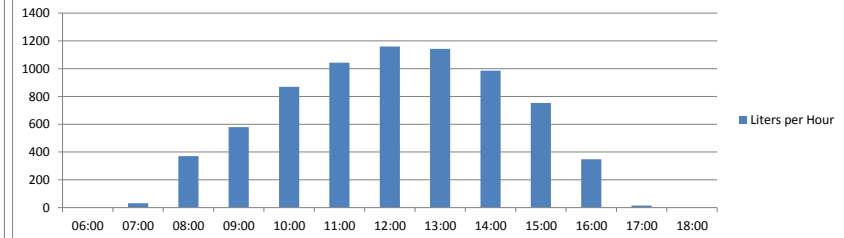
Customer Details:

Daily Water Yield		Hourly Water Yield	
Month	Ave L/Day	Time of Day	
Jan	7078	06:00	0
Feb	6509	07:00	31
Mar	6198	08:00	371
Apr	6240	09:00	580
May	6638	10:00	870
Jun	6810	11:00	1043
Jul	7100	12:00	1159
Aug	7218	13:00	1143
Sep	7025	14:00	985
Oct	6509	15:00	754
Nov	6928	16:00	348
Dec	7164	17:00	15
		18:00	0

Average water per day



Liters per Hour



These figures are based on assumptions and Cedar will in no way be held liable for these figures. These figures are only guidelines and are not there to mislead the customer. These figures are a rough guide to assist in system sizing. It is advisable to oversize the system by 10-15% to compensate for unforeseen events or losses. The rule of thumb is also to have at least 5 days worth of usage in reserve. Please contact your nearest agent or Cedar Solar Branch in any uncertain scenario.

Please fill in your name and sign the document if all the relevant information is fully correctly entered and all variables are understood. Please send back to your nearest agent.

Customer Signature