

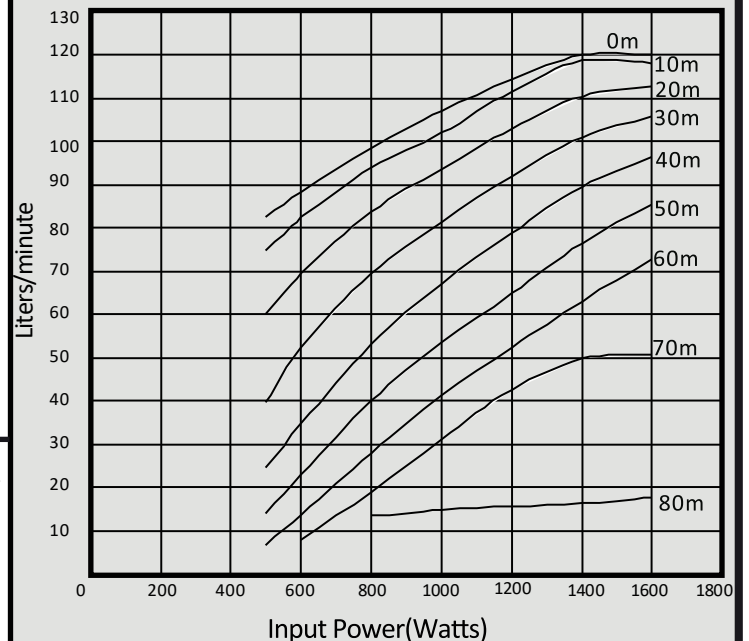
TAFLO

4SPW 3-8

AC/DC PUMP



PERFORMANCE CURVES



APPLICATION

The TAFLO SPF range are a robust AC/DC Solar pumps designed for borehole application as well as Tank and shallow wells installation. The pump motor has an inbuilt electronic unit containing a frequency converter and motor controller which allows it to be powered by both AC and DC sources. The Motor operates at a speed range of 500-3600rpm depending on power input and load, which allows the pump to operate at any point within the performance curve.

CONSTRUCTION FEATURES

- Hybrid Motor powered by both AC and DC source, priority being given to DC and AC tops up any shortfall in solar irradiation
- Soft Start running. Supply voltage 60-380Vmp or 90-240VAC at 50/60Hz. Max VOC 440V
- Inbuilt protection against Dry run, Reverse rotation, Overload, Over current, Over/under voltage, Lightening
- Materials of construction SS304

PUMP CONTROLLER FEATURES

- Display input power AC and DC, Water Level control with electric float switch, Pressure control with pressure switch, • Can select power source to either AC, DC or Auto mode.
- Auto mode allows automatic switching between DC and AC depending on solar irradiation.
- Has provision for generator connection.
- IP65 weatherproof enclosure

PUMP LIQUID

Clean non aggressive water with no sand. Maximum Temperature 300C

TECHNICAL DATA

HEAD(m)	INPUT POWER(WATTS)						
	500	600	800	1000	1200	1400	1600
	FLOW RATE(ltrs/min)						
0	4.92	5.28	5.88	6.42	6.84	7.2	7.2
10	4.5	4.92	5.64	6.12	6.72	7.14	7.08
20	3.6	4.14	5.04	5.64	6.18	6.6	6.78
30	2.4	3.12	4.14	4.86	5.52	6.06	6.36
40	1.5	2.5	3.18	4.02	4.74	5.4	5.82
50	0.84	1.38	2.4	3.18	3.9	4.56	5.16
60	0.42	0.84	1.68	2.46	3.12	3.78	4.38
70		0.48	1.14	1.86	2.58	3	3.06
80			0.84	0.9	0.96	0.96	1.08

Model	PV Connection	Max Input Power	Dc Voltages Range	Outlet size	Motor Speed	PV	Pump Diameter	Net weight
4SPW3-8	In series	1.8KW	130-190Vmp (VOCmax=230V)	1.25"	500-3600	300Wx5	4"	8kgs