

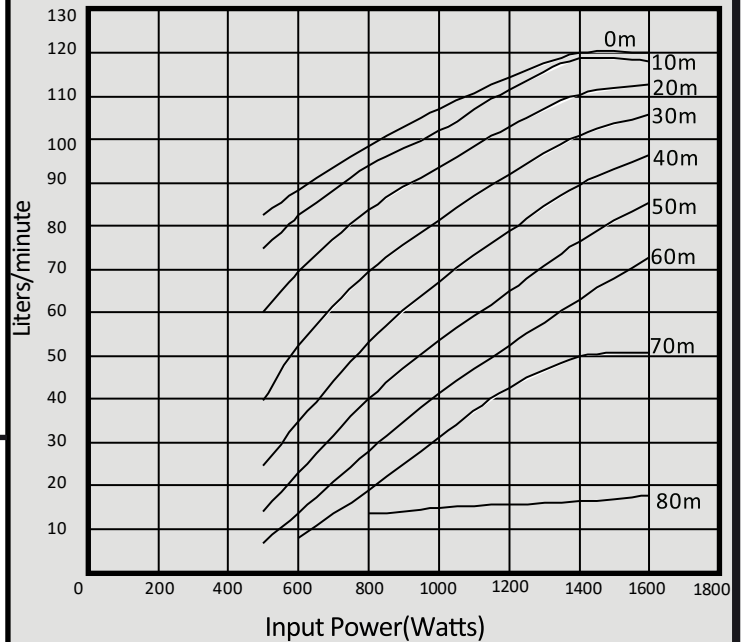
TAFLO

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	82	88	98	107	114	120	120
10	75	82	94	102	112	119	118
20	60	69	84	94	103	110	113
30	40	52	69	81	92	101	106
40	25	35	53	67	79	90	97
50	14	23	40	53	65	76	86
60	7	14	28	41	52	63	73
70		8	19	31	43	50	51
80			14	15	16	16	18

Model	PV Connection	Max Input Power	Dc Volatges 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