

TAFLO

3SP1-20P

AC/DC PUMP



APPLICATION

The TAFLO 3SP 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

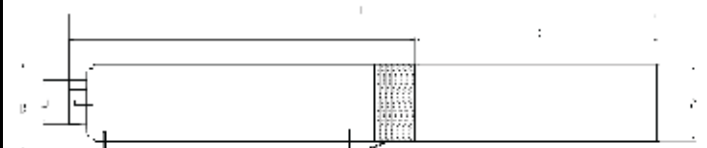
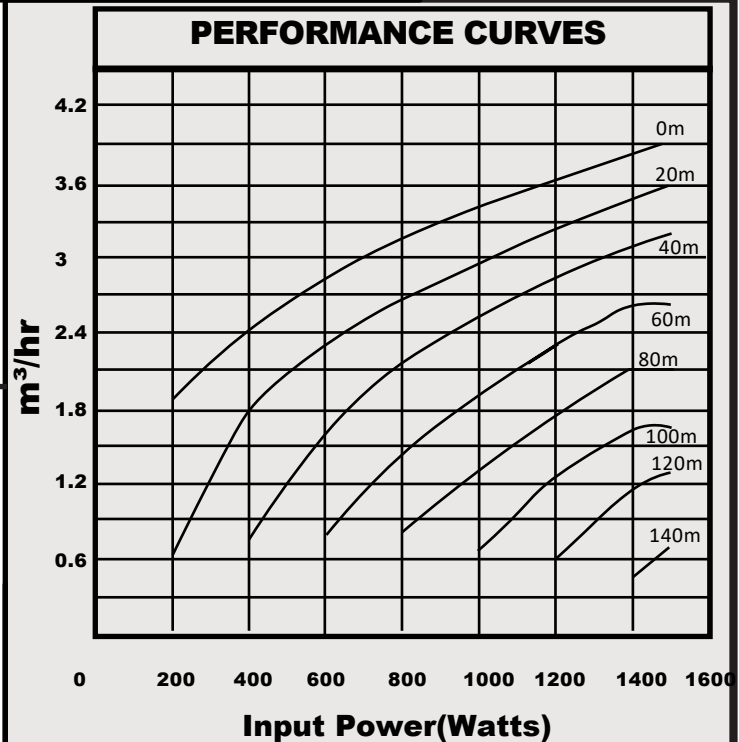
PUMP CONTROLLER FEATURES

- 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



	A	B	C	H	L	D
Dimension(mm)	076	75	390	650	1040	2"

	Pump Unit	Motor	Pump End	Package Unit	Package Volume
Weight(kg)	9.8	6.4	3.4	11.5	1.2m*0.11m*0.11m

HEAD (m)	INPUT POWER (Watts)							
	200	400	600	800	1000	1200	1400	1500
0	31	41	47	52	57	60	64	65
20	10	30	39	44	49	54	58	59
40		12	26	36	42	47	52	53
60			42	24	32	38	44	44
80			13	13	22	29	35	35
100					11	21	27	28
120						10	19	21
140							8	12