

## ¿Which pump is right for my needs?

The range of submersible solar pumps of Techno Sun allows a wide range of possibilities.

The following table can be compared, based on the required flow rate and height to pick up, which is the most suitable pump to meet these conditions, and solar panels output required to achieve the desired values.

Flow rate		Static head (m)				
l/min	m <sup>3</sup> /h	30m	60m	80m	95m	110m
8,3	0,5	4TCH02/08 (300W)	TFC48-070-2500 (500W)			
16,5	1,0	4TCH 02/02H (200W)	4TCH 02/02H (400W)	TFS48-165-1380 (500W)	4TCH 02/02H (700W)	TFS48-165-1380 (500W)
25	1,5	4TCH 02/02H (300W)	TFS48-165-1380 (500W)	4TCH 02/02H (650W)	4TCH 02/02H (850W)	
33,3	2,0	4TCH 02/02H (350W)	4TCH 02/02H (600W)	4TCH 02/02H (800W)	4TCH 02/02H (1000W)	
42	2,5	4TCH 02/02H (450W)	4TCH 02/02H (750W)	4TCH 02/02H (1000W)	4TCH 02/02H (1250W)	4TCH04/05 (2300W)
50	3,0	4TCH06/04 (1000W)	4TCH06/04 (1800W)			
58	3,5	4TCH04/03 (1500W)	4TCH04/05 (1500W)	4TCH04/05 (3000W)	4TCH06/04 (3200W)	
66	4,0		4TCH04/03 (2300W)		4TCH04/05 (3600W)	
75	4,5	4TCH06/04 (1500W)		4TCH04/05 (3600W)		
83	5,0	4TCH04/03 (1800W)				
91	5,5				4TCH06/04 (3600W)	
100	6,0			4TCH06/04 (3600W)		
108	6,5	4TCH06/02 (1800W)				
116	7,0	4TCH06/04 (2000W)				
125	7,5		4TCH06/04 (3600W)			
133	8,0	4TCH04/05 (2300W)				

1 ) Power (W):

Power output needed by the solar modules for reach the required flow/height.

2) Static head (m):

Height distance for water to destination. This distance include from the dynamic level of the water source to the highest destination point.

3 ) Flow rate: (l/min o m<sup>3</sup>/h):

Water flow rate in a given period.

