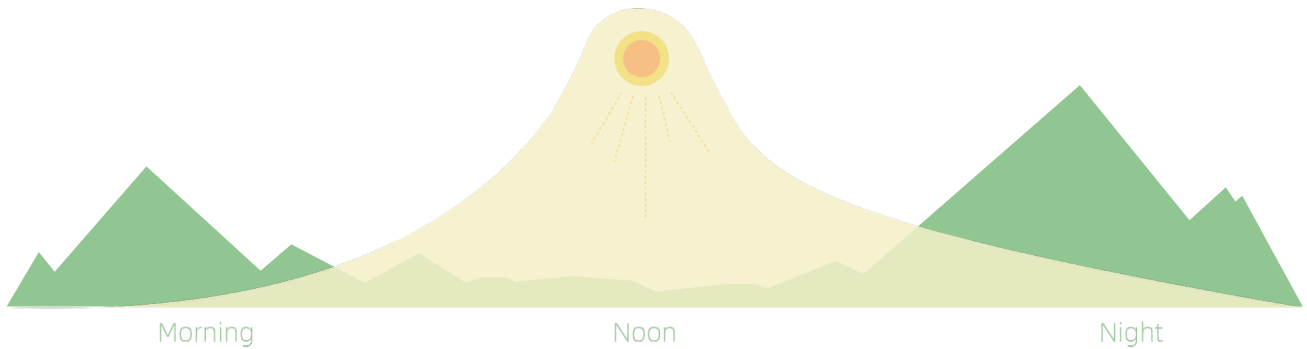


**volta**  
ELECTRIC

Unlimited Power

## Solar Energy Flow



### **Morning:**

Minimal energy production, high energy demand.

At sunrise the solar panels start

to power generation, though not enough to cover the energy needs.

The battery will fill the gap with the stored energy.

### **Midday:**

Highest energy production, low energy demand.

In the day time, the energy generated from the solar panels is at its peak.

But energy consumption is low so that most of the generated energy is stored in the Battery

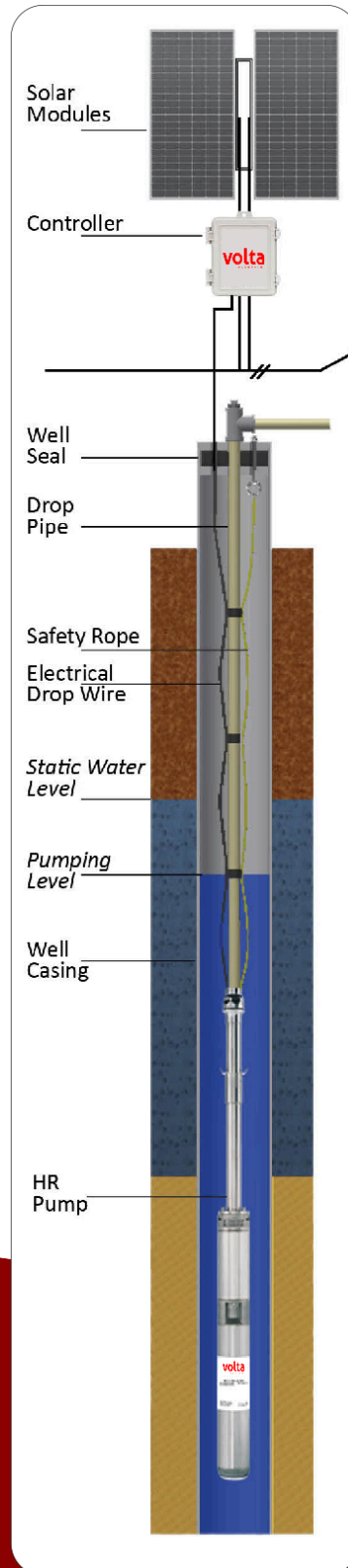
### **Evening:**

Low energy production, high energy demand.

The highest daily energy consumption & solar panels produce little or no energy.

The battery will cover the energy needs with the energy storage.

## Ground View Diagram



## Product Features



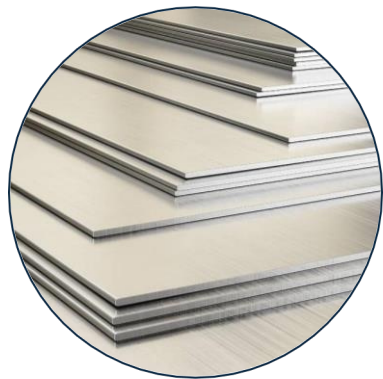
Maximum Power Point Tracking (MPPT)  
Technology for Solar Panels



Made for Use in Remote Locations





Water-resistant electronic equipment





Stainless Steel Construction

## Different Products


4" Helical Rotor HR AC/DC Submersible Solar Pump HR 5-750 HR 12-328 HR 10-525	Materials	Stainless Steel	
	Operating Voltage VAC	90 – 265	
	Operating Voltage VDC	90 - 400	
	Protection	Low Water Sensor Dry Run	


4" Centrifugal HS AC/DC Submersible Solar Pump HS 22-154 HS 22-308 HS 35-115 HS 35-190	Materials	Stainless Steel	
	Operating Voltage VAC	90 – 265	
	Operating Voltage VDC	90 - 400	
	Protection	Low Water Sensor Dry Run	


SDS-T Series DC SUBMERSIBLE PUMPS SDS-T-135 SDS-T-130 SDS-T-128	Materials	Ryton & Stainless Steel	
	Operating Voltage VDC	12-30	
	Hardware	Can be or not 316 SS	
	Extra information	Resistant to highly corrosive water	

SDS Series DC SUBMERSIBLE PUMPS D-Series (Duplex) Q-Series (Quad)	Materials	Stainless Steel	
	Operating Voltage VDC	12-30	
	Flow rates	2 GPM (Duplex) 5 GPM (Quad)	
	Heads	70 meters (Duplex) 30 meters (Quad)	

## Different Products

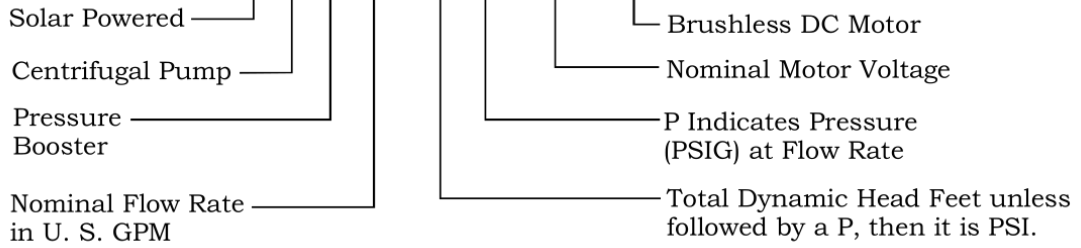
<b>SCB Series</b>  <b>MULTI-STAGE CENTRIFUGAL BOOSTER PUMPS</b>	Materials	Anodized die cast aluminum Stainless Steel	
	Operating Voltage VDC	24,48 Battery systems 60,90,120 &180 for panel system	

<b>SCS Series</b> <b>BRUSHLESS DC SUBMERSIBLE PUMPS</b>	Materials	Stainless Steel	
	Operating Voltage VDC	24-240	
	Power	150-3000 w	
	Controller operation	MPPT	

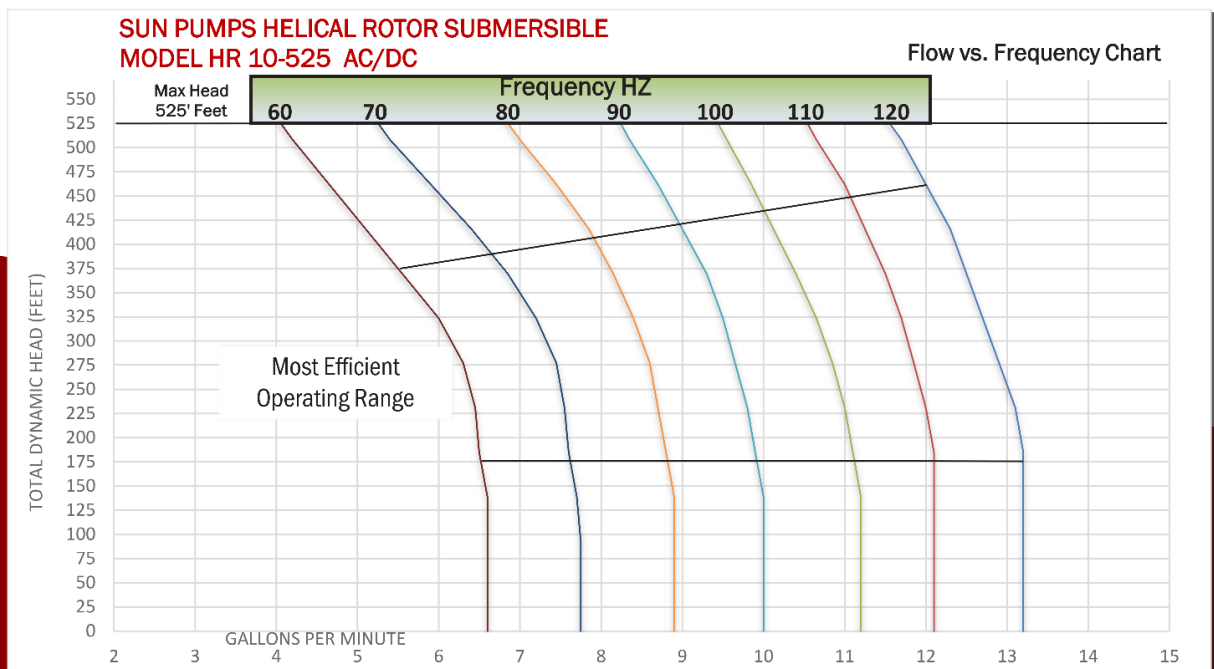
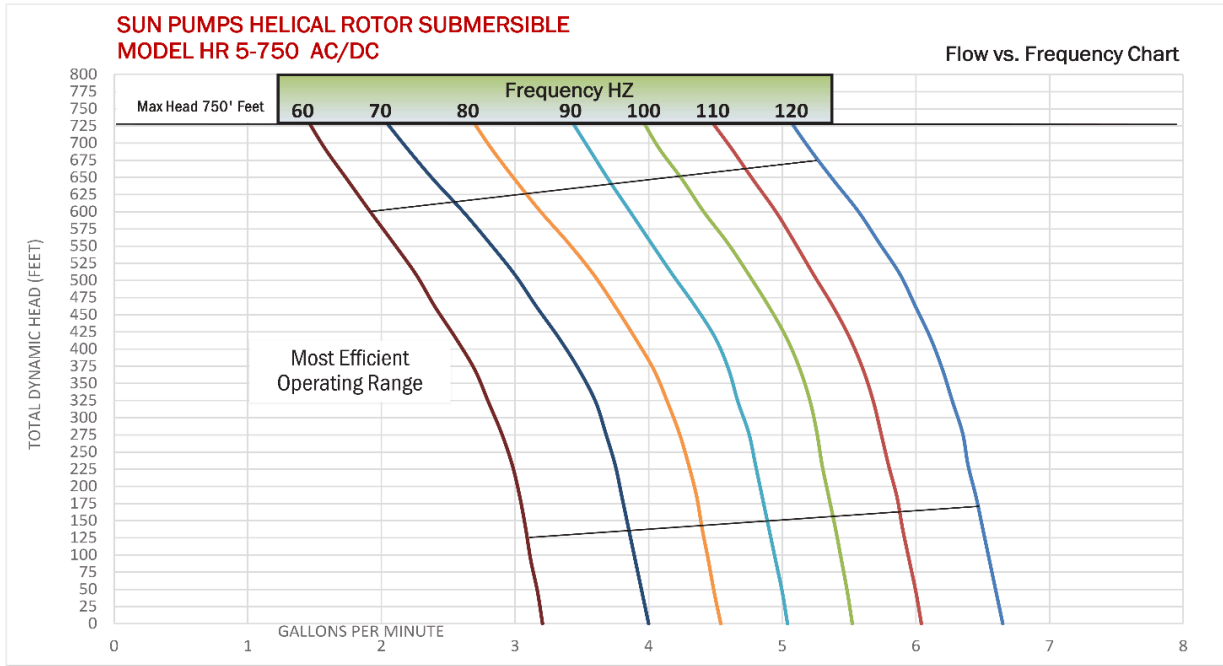
<b>SCP Series</b> <b>CENTRIFUGAL POOL PUMPS</b> <b>BC Series</b> <b>BV Series</b>	Materials	56J Brushless	
	Operating Voltage VDC	60-240	
	Power	380-4000 w	
	Outlet	2" (BC Series) 2½" (BV Series)	

# Pump Model Identification

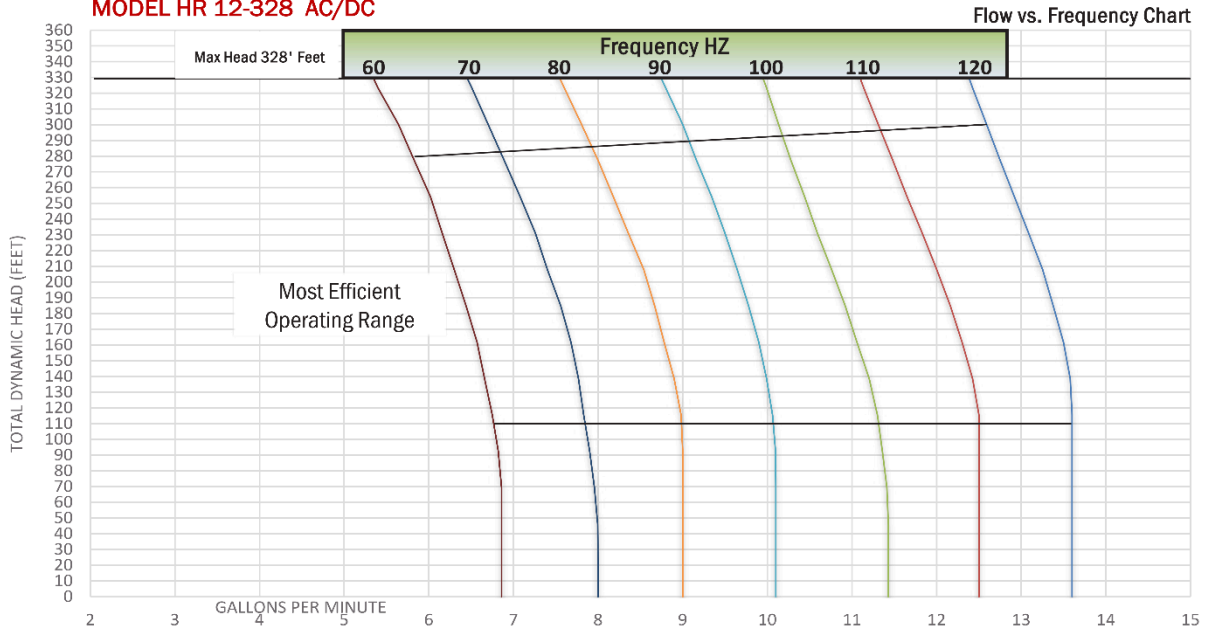
## SCB 8-40P-24 BL



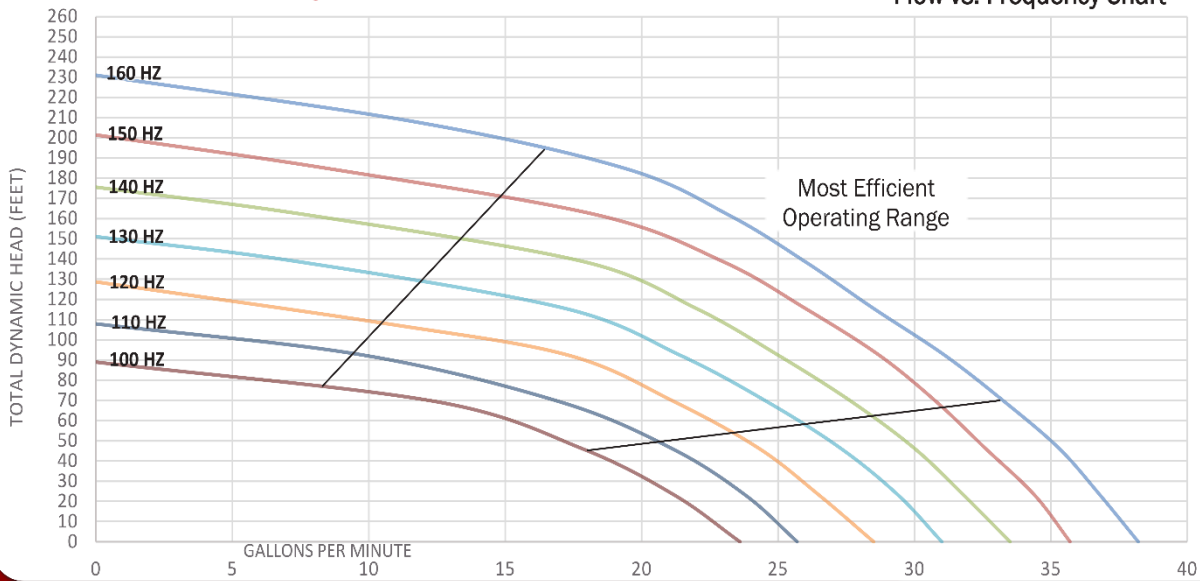
### Different Charts



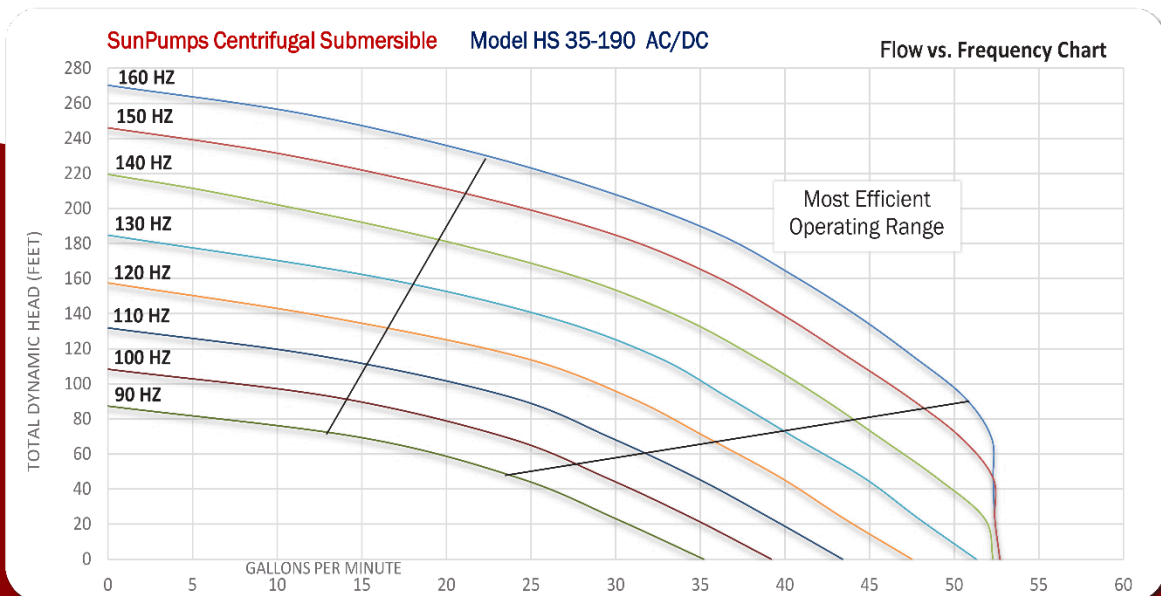
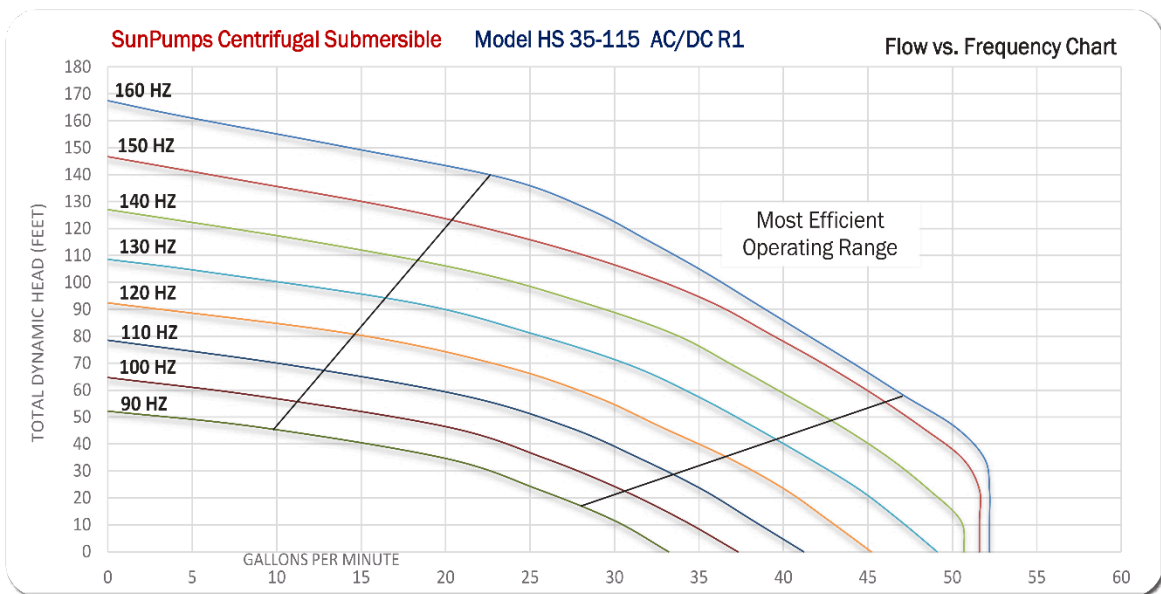
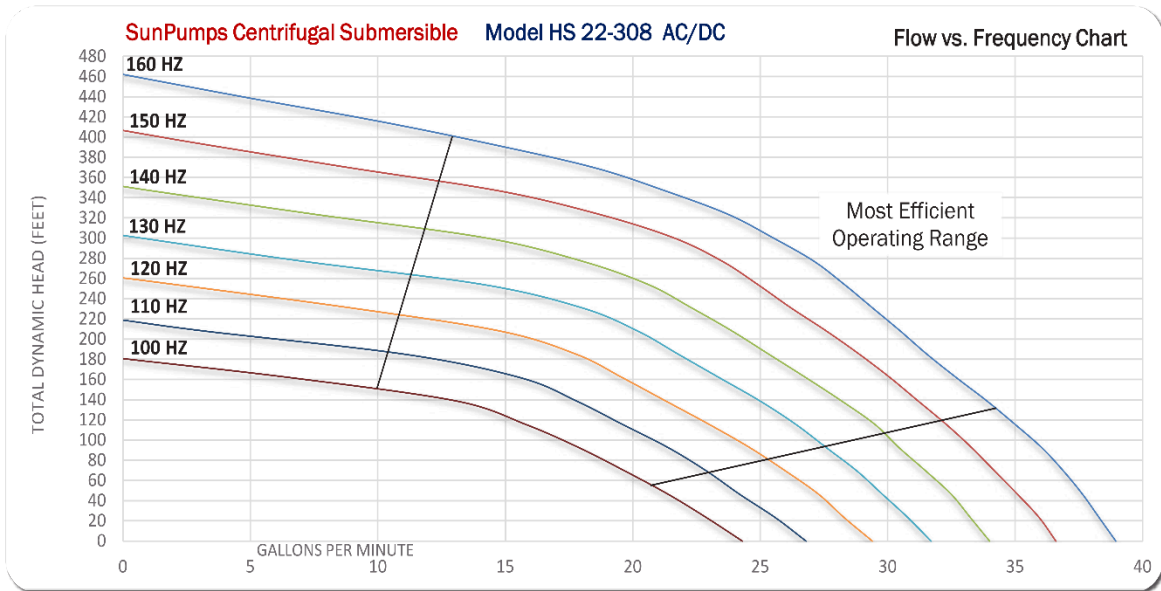
**SUN PUMPS HELICAL ROTOR SUBMERSIBLE  
MODEL HR 12-328 AC/DC**



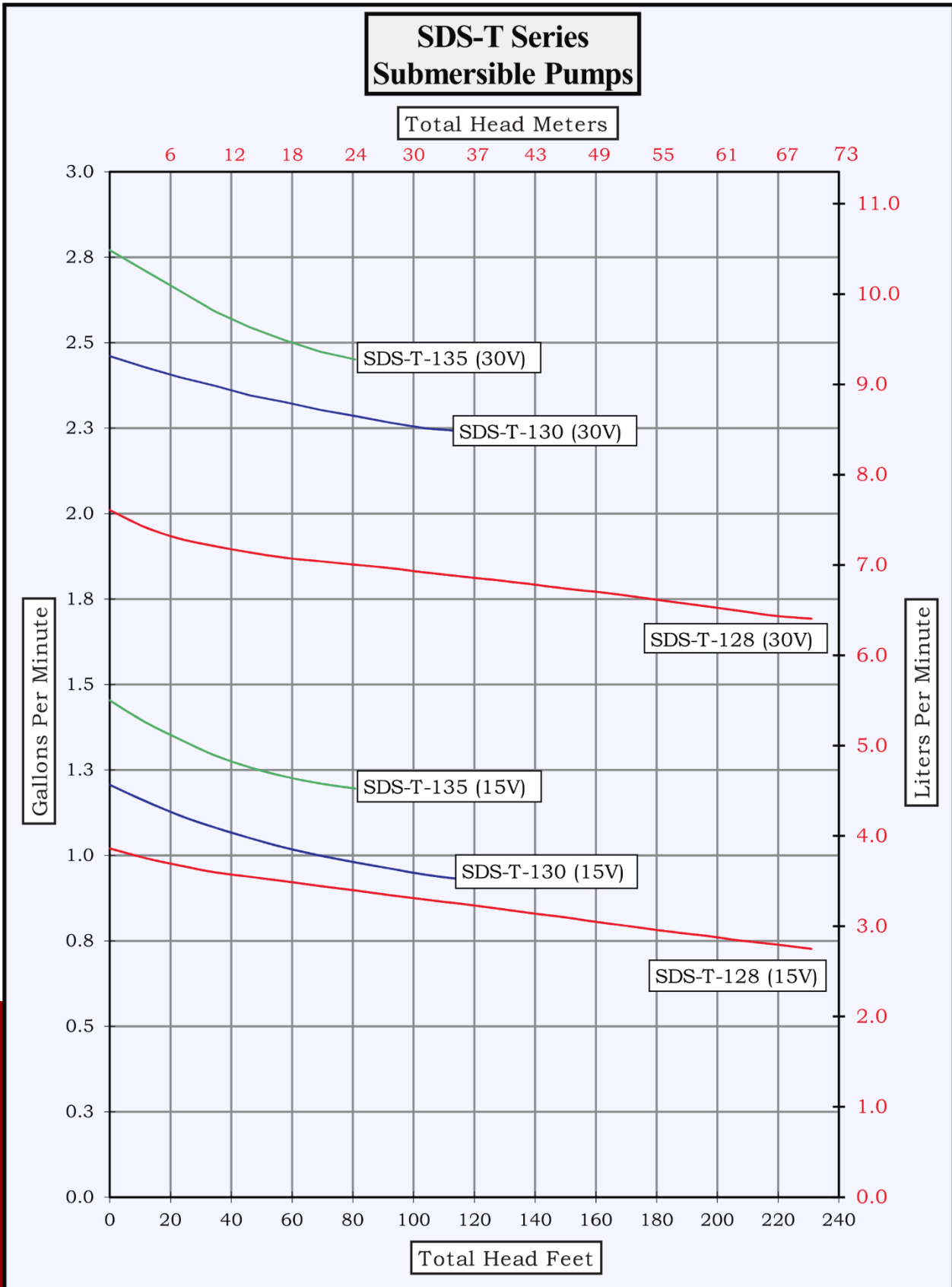
**SunPumps Centrifugal Submersible Model HS 22-154 AC/DC**







SDS-T Series





## Solar Pool Pump Sizing Chart (Brushless DC)

Total Dyn. Head (Feet)	Operating Pressure (PSI)	Pool Size (Gallons)	Average Gallons Per Day (Summer)	Peak Flow Rate (GPM)	Pump Model Number	Total Power Required (Watts)	Solar Module Watts	Qty. Solar Modules	Solar Module Wiring	Nominal Operating Voltage
15	6.5	10,000	18,000	40	SCP 75-40-105 BC	380	190	2	2S	60
15	6.5	15,000	28,000	60	SCP 70-37-90 BV	500	250	2	2S	60
15	6.5	20,000	35,000	75	SCP 80-55-180 BC	760	190	4	4S	120
15	6.5	25,000	48,000	95	SCP 86-65-180 BC	1000	250	4	4S	120
20	8.7	10,000	18,000	40	SCP 75-40-105 BC	500	250	2	2S	60
20	8.7	15,000	28,000	60	SCP 80-55-180 BC	760	190	4	4S	120
20	8.7	20,000	35,000	75	SCP 104-42-180 BV	980	245	4	4S	120
20	8.7	25,000	40,000	85	SCP 86-65-180 BV	1000	250	4	4S	120
20	8.7	30,000	48,000	95	SCP 86-65-180 BV	1250	250	5	5S	150
20	8.7	35,000	55,000	105	SCP 100-60-180 BV	1560	260	6	6S	180
20	8.7	40,000	65,000	120	SCP 110-60-240 BV	1900	250	7	7S	210
25	10.8	10,000	18,000	40	SCP 86-65-180 BC	720	240	3	3S	90
25	10.8	15,000	30,000	60	SCP 86-65-180 BC	920	230	4	4S	120
25	10.8	20,000	35,000	70	SCP 86-65-180 BC	1000	250	4	4S	120
25	10.8	30,000	50,000	100	SCP 110-60-240 BV	1380	230	6	6S	180
25	10.8	35,000	55,000	105	SCP 110-60-240 BV	1500	250	6	6S	180
25	10.8	40,000	65,000	115	SCP 110-60-240 BV	1820	260	7	7S	210
25	10.8	45,000	72,000	130	SCP 110-60-240 BV	2280	190	12	2P x 6S	210
30	13.0	10,000	16,000	35	SCP 86-65-180 BC	760	190	4	4S	120
30	13.0	15,000	26,000	55	SCP 86-65-180 BC	1000	250	4	4S	120
30	13.0	20,000	34,000	70	SCP 86-55-180 BC	1300	250	5	5S	150
30	13.0	25,000	40,000	85	SCP 100-60-180 BV	1520	190	8	2P x 4S	140
30	13.0	30,000	52,000	100	SCP 110-60-240 BV	1750	250	7	7S	210
30	13.0	40,000	65,000	125	SCP 110-60-240 BV	2280	190	12	2P x 6S	210
30	13.0	45,000	73,000	135	SCP 110-60-240 BV	2660	190	14	2P x 7S	240
30	13.0	50,000	80,000	145	SCP 110-60-240 BV	3360	240	14	2P x 7S	210
40	17.3	20,000	32,000	70	SCP 110-60-240 BV	1500	250	6	6S	180
40	17.3	30,000	52,000	110	SCP 110-60-240 BV	2280	190	12	2P x 6S	180
40	17.3	40,000	62,000	120	SCP 110-60-240 BV	2660	190	14	2P x 7S	240
40	17.3	45,000	71,000	130	SCP 110-60-240 BV	3500	250	14	2P x 7S	210
40	17.3	50,000	80,000	140	SCP 110-60-240 BV	4000	250	16	2P x 8S	240
50	21.6	30,000	50,000	105	SCP 110-60-240 BV	3660	190	14	2P x 7S	210
50	21.6	40,000	68,000	130	SCP 110-60-240 BV	3760	235	16	2P x 8S	240
50	21.6	45,000	72,000	135	SCP 110-60-240 BV	4000	250	16	2P x 8S	240

Designed in AZ, USA  
Manufactured in China