



# SOLAR PUMPS

DC

NORTH AMERICA

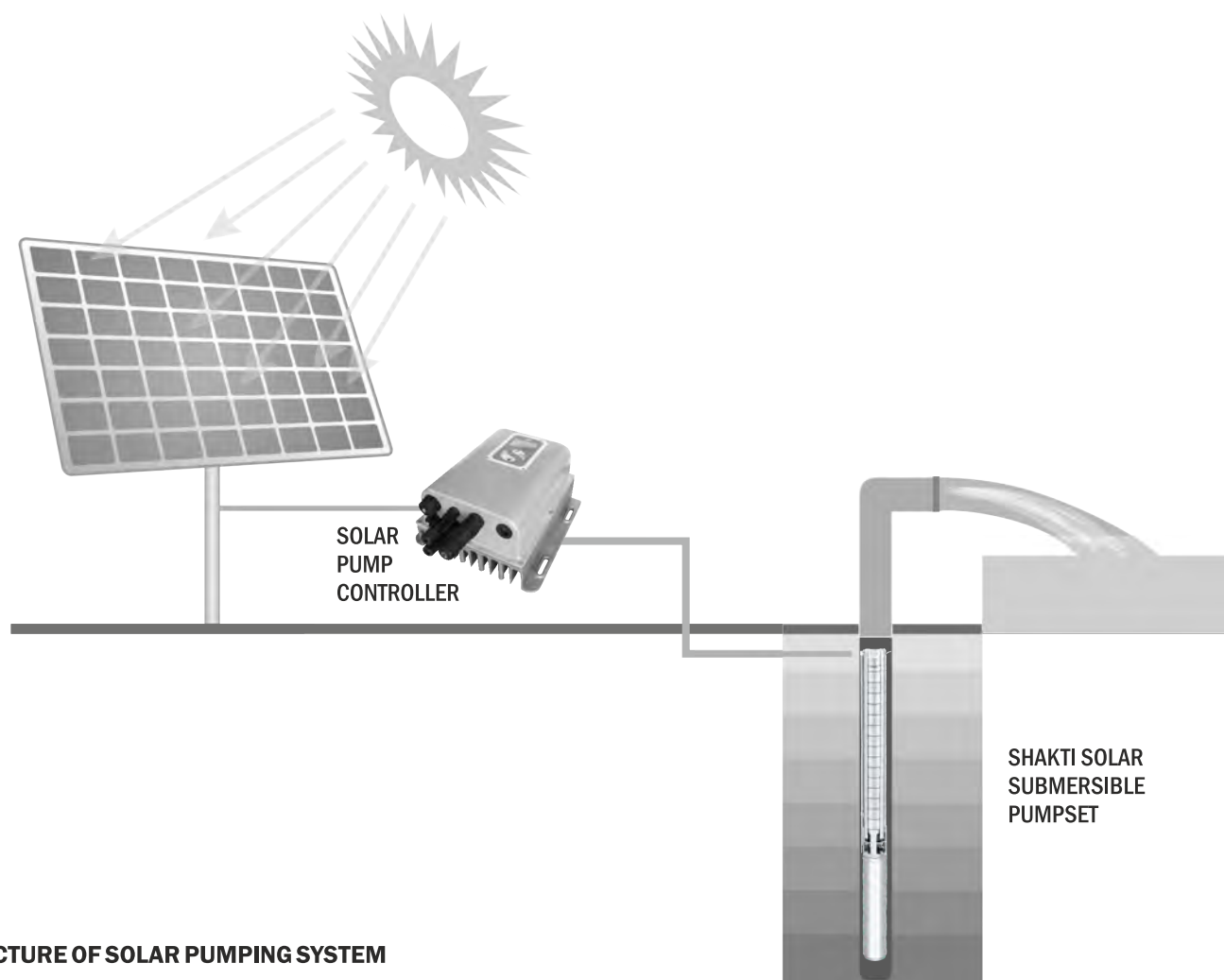


## SOLAR PUMPING SYSTEM

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9500000577 SOLAR 85 DCSSP 13500 (GPM)	36	9500000169 SOLAR 420 DCSSP 9000 (GPM)	90
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9500000142 SOLAR 107 DCSSP 11250 (GPM)	46	9500000571 SOLAR 616 DCSSP 13500 (GPM)	100
9500000173 SOLAR 109 DCSSP 9000 (GPM)	47	9500000145 SOLAR 621 DCSSP 22500 (GPM)	101
9500001814 SOLAR 110 DCSSP 36000 (GPM)	48	9500001822 SOLAR 652 DCSSP 54000 (GPM)	102
9500000144 SOLAR 113 DCSSP 3000 (GPM)	49	9500000580 SOLAR 654 DCSSP 18000 (GPM)	103
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### INTRODUCTION

Nowdays Solar pumping system is becoming more and more popular, it is being applied to daily use (underground water), agriculture irrigation, forestry irrigation, desert control, pasture animal husbandry, water supply for islands, wastewater treatment engineering, and so on. In recent years, with the promotion of the utilization of non conventional energy resources, solar pumping systems are being used more and more in municipal engineering, city center squares, parks, tourist sites, resorts and hotels, the landscapes and fountain systems in the residential areas. This system is composed of a solar array, a pump and a pump controller. Based on the design philosophy that it is better to store water than electricity, there is no energy storing device such as battery in the system.



### STRUCTURE OF SOLAR PUMPING SYSTEM

The solar array, an aggregation of many solar modules connected in series and/ or parallel. This array absorbs radiation from sunlight and converts it into electrical energy thus help in providing dynamical water as a whole system. The pump controller controls and adjusts the system operation, according to the variation of intensity of sunlight to realize the maximum power point tracking (MPPT). The pump is able to draw water from the deep wells or rivers and lakes to pour into the storage tank or reservoir, or directly connect to the irrigation system, fountain system, etc. According to the actual system demand and installation conditions, different types of pump such as centrifugal pump, axial flow pump, mixed-flow pump or deep-well pump may be used.

## **SOLAR PUMPING SYSTEM**

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### **APPLICATIONS**

- Ground water lowering
- Irrigation systems
- Industrial Application
- Drip irrigation & sprinkler
- Tank / Cistern filling
- Wildlife refuge
- Rural water supply for ranches, cabins, and cottages
- Fountains

### **FEATURES**

- High flow system for faster tank filling and significant water output.
- Proven motor and pump technology for long-term reliability
- Pumpset can start at low radiations.
- Clean and pollution free energy, Eco-friendly.
- Ideal for remote areas, where electricity is not available or availability is capital intensive.
- Suitable for day time irrigation, Continuous supply for 6-8 hours in a day.
- MPPT – Max Power Point Tracking for maximizing efficiency of input power
- Soft start feature prevents water hammer and increases system life & easy to operate.
- Simple installation and maintenance free.
- MNRE approved.

### **ALL-IN-ONE PACKAGE**

The Solar controller is used as a solution for specific pumping requirements of the solar pumping system. Using Shakti components, our technical expertise in groundwater pumping, and innovative thinking based on global market inputs, we have developed a rugged, high-output system which tackles the challenges of remote and harsh environments. No other system delivers the features, benefits, and reliability of solar controller in just one package!

### **THE SOLAR WATER PUMPING SYSTEM INCLUDES**

- Shakti High Efficient Submersible motor
- Shakti Submersible pump
- Solar Panel and its mounting structure
- Solar controller
- Cable
- Pipes
- Variety of flow rates available in: 8 to 1058 GPM.
- Motor and controller ratings available in: 900 to 54000 Watt



## SOLAR PUMPING SYSTEM

### IDENTIFICATION

#### DCSSP SERIES

Type designation

Disc. (GPM)

Solar DC Submersible Pumpset

Input Power (Watts)

40 - DCSSP - 3000

\* Note: Input Power at Motor

The Solar high efficient pump-set comprises centrifugal pump technologies

The high Efficient Motor is designed according to the permanent magnet principle with separate electronics unit. The Motor speed range is 1000-3600 RPM depending on pump load.. The permanent magnet motor featuring a consistent higher efficiency within power range compared to a conventional asynchronous motor.

## SOLAR PUMPING SYSTEM

### SOLAR PUMP CONTROLLER SPECIFICATION

#### OVERVIEW

The controller starts the pumps slowly and adjust it speed according to pumping load and power available from solar array.

Power output from the solar array is optimally matched to the load by maximum power point tracker(MPPT) throughout all conditions.

The Shakti Solar controller is designed with the high standard of reliability expected of Shakti products. The controller attempts to controller the pump and motor to deliver water even under adverse conditions, reducing output as necessary to protect the system components from damage, and only shutting down in extreme cases.

CONTROLLER CODE	DESCRIPTION	VFD Voltage Range (Vdc)		VFD Maximum Current (Amp.)	EFFICIENCY %
		Min (V)	Max (V)		
9600000065	SHAKTI SUD 1P,12A,300VDC/245VAC,0.75/1HP	30	300	12	92
9600000020	SHAKTI SUD 1P,12A,360VDC/245VAC,1/2HP	90	360	12	93
9600000005	SHAKTI SUD 3P,12A,720VDC/460VAC,3/5HP	200	720	12	97
9600000023	SHAKTI SUD 3P,20A,700VDC/460VAC,7.5/10HP	200	700	20	97
9000024747	SOLAR CONT.DC-SHAKTI-03P38A(12.5-25HP)WG	250	780	38	97
9000025381	SOLAR CONT.DC-SHAKTI-03P-60A (30-40HP)WG	250	780	60	97
9000025382	SOLAR CONT.DC-SHAKTI-03P-90A (50-60HP)WG	300	780	90	97

#### DESCRIPTIONS AND FEATURES

The Shakti Solar controller continuously monitors system performance and incorporates a number of features for pump system protection. In the event of a fault, the Shakti Solar drives will indicate the type of fault through the displays.

The Shakti Solar drives system is optimized for pumping under adverse input power conditions unique to solar arrays.

- Internal diagnostics will tolerate a lower input voltage.
- Whenever possible, the controller attempts to regulate the pump load in a manner that optimizes for maximum power transfer from the solar array.

**An easy to use interface is provided to enhance configurability and enable remote system monitoring.**

- A three-digit seven-segment display provides a detailed indication of system status.
- A small keypad offers flexibility for selection of user options.
- A continuous data connection for remote telemetry is made available via an RS-485 port. (Optional)
- Controller can be Operated by mobile application.

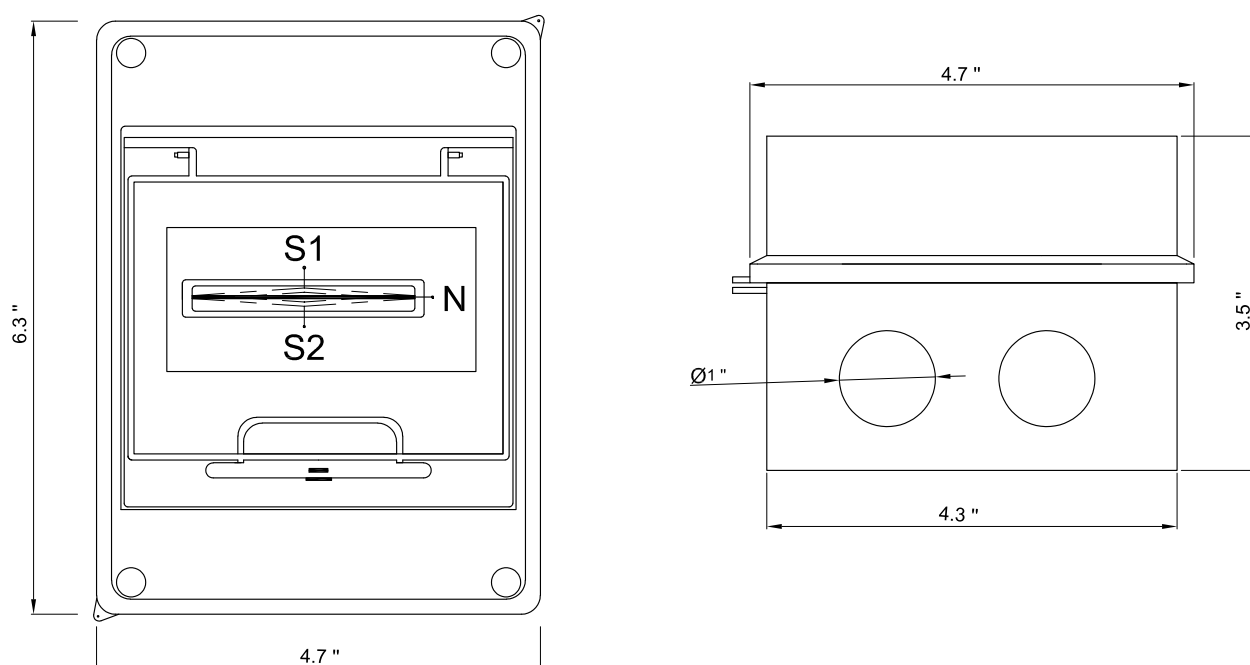
#### PROTECTION FEATURES

- Dry run Protection
- Overload Protection
- Open Circuit Protection
- Short Circuit Protection
- Over Heat
- Ingress protection IP65 (1HP to 10HP), and IP54 ( 12.5HP - 60HP)

### CHANGE OVER SWITCH

A change-over switch is a dual input single output device, which is used to change the input power source to the controller. It is generally used with controllers/drives which have options to run from solar as well as from grid. There are three operative positions in change-over switch corresponding to S1, S2, (Up and Down) & N (Middle). In case of S1 and S2 positions the corresponding sources are connected to output whereas in N position none of the sources are connected to output. Conventionally the name of the sources is marked in S1 and S2 position for convenience of the user. These change-over switches are provided in a dust and rainproof boxes.

**Note:** It should be noted that while changing the power source through changeover the N position should be used until the display of the controller turns off. This intermediate use of N position avoids inrush currents through the changeover switch & improves its life.



### SHAKTI DU/DT FILTER

The applications involving long connecting cables (typically 328 ft and above) between the VFD (Variable Frequency Drive) output and motor terminal, high voltage spikes are observed at receiving/motor end. The magnitude of these voltage spikes may go up to double the DC bus voltage of VFD depending on length of the cable. The high du/dt at the controller output is the primary reason for these voltage spikes. These high voltage spikes may lead to insulation failure in the connected motor or cable. This problem can be resolved using an appropriate du/dt filter at the output of the controller.

Conventionally used first order filter reduces this problem however; the second order Shakti du/dt filter mitigates this problem to a greater extent. It is a unique product which is designed, developed and manufactured by Shakti Pumps (India) Ltd. The IP54 design eliminates the requirement of outer casing and provides a fair protection against dust and water. This product comes with a wide variety of distinguished features such as: compact size, shock-proof plug and play connectors, capability to operate in wide temperature range and harsh environments.

### APPLICATION

Reduces voltage spikes, common mode & bearing current.

## SOLAR PUMPING SYSTEM

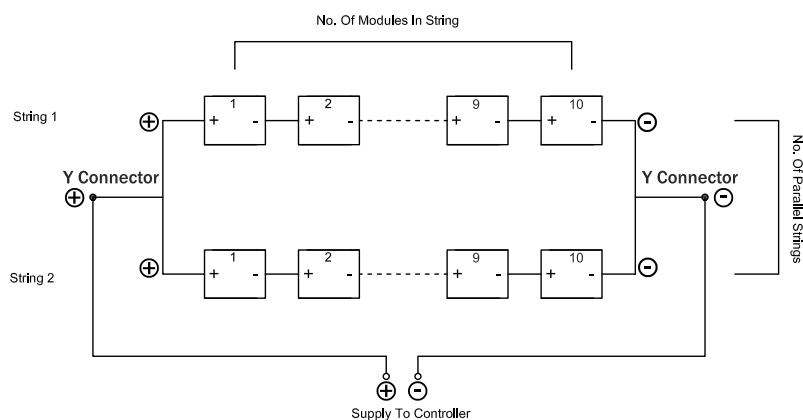
### SOLAR POWER SELECTION & CONFIGURATION

S. No.	Motor Input Power (W)		PV Module Wattage (W)	Total No. of Modules Required	Module Configuration		Structure Configuration (No. of Modules)			
	Min	Max			No. of Modules in String	No. of Parallel Strings	4	6	9	10
1	900	1020	340	3	3	1	1			
2	1200	1360	340	4	4	1	1			
4	1800	2040	340	6	6	1		1		
5	3000	3060	340	9	9	1			1	
6	4800	5100	340	15	15	1		1	1	
7	6750	6800	340	20	10	2				2
8	9000	9520	340	28	14	2			1	2
9	11250	12240	340	36	12	3		1		3
10	13500	13600	340	40	10	4				4
11	18000	19040	340	56	14	4		1		5
12	22500	23800	340	70	14	5				7
13	27000	28560	340	84	14	6	1			8
14	36000	38080	340	112	16	7	1			11
15	45000	45900	340	135	15	9		1		13
16	54000	54400	340	160	16	10				16

Example :

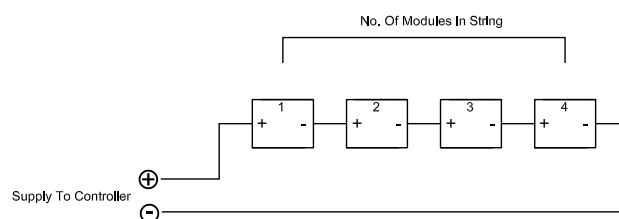
#### PARALLEL CONNECTION

Module Configuration For 6750 watt



#### SERIES CONNECTION

Module Configuration For 1200 watt





## SOLAR PUMPING SYSTEM

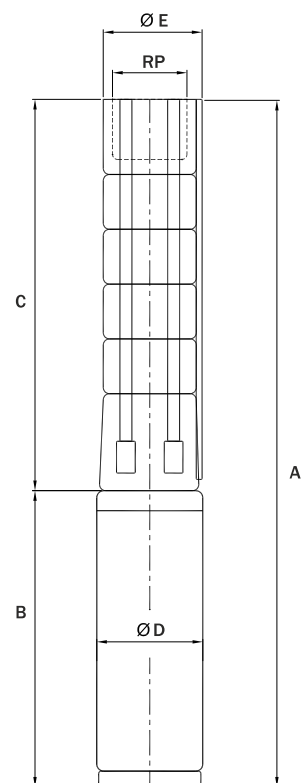
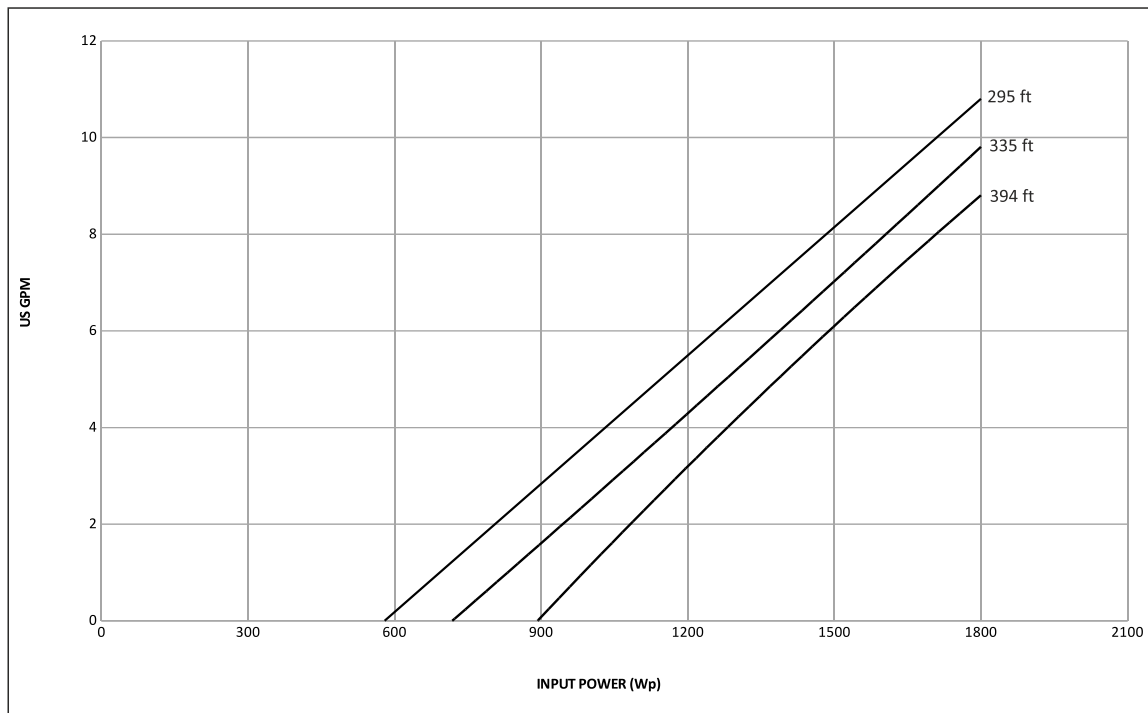
### SOLAR 8 DCSSP 1800

NPT 1.25" (4X4)

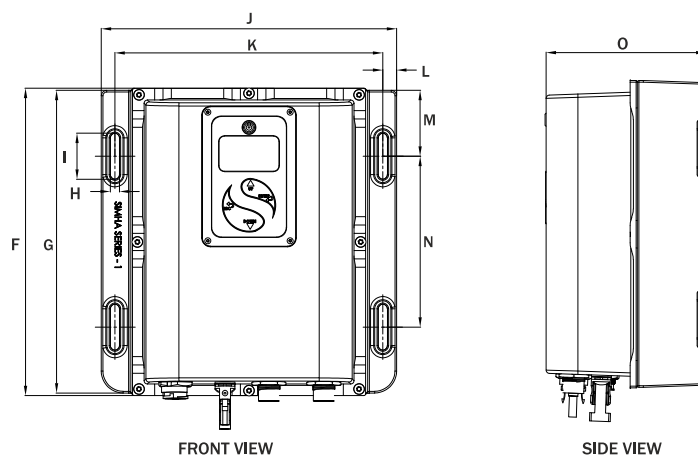
PUMPSET CODE 9500000129

DUTY HEAD 394 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	1800	1700	1400	1200	900	800	600
HEAD (ft)	FLOW IN US GPM						
394	9	8	5	3	0		
335	10	9	6	4	3	0	
295	11	10	7	5	4	2	0



CONTROLLER CODE : 9600000020

# SOLAR PUMPING SYSTEM

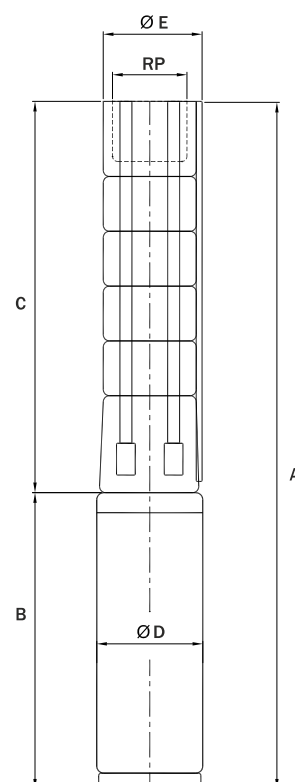
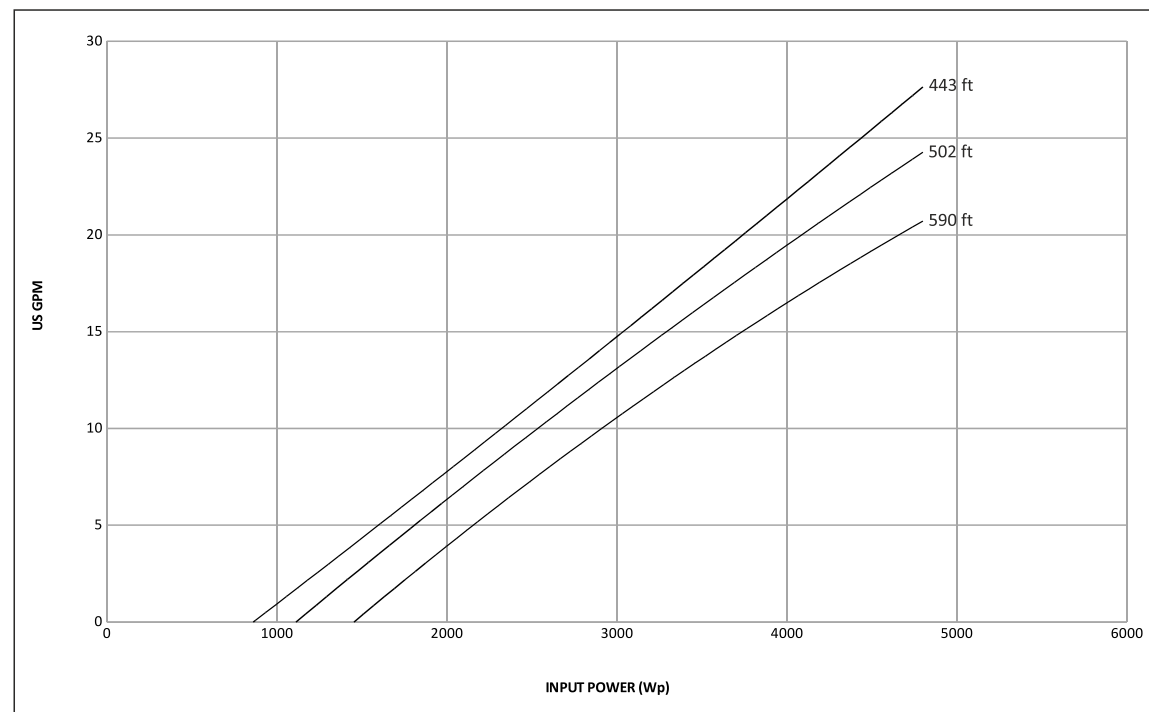
SOLAR 22 DCSSP 4800

NPT 1.5" (4X4)

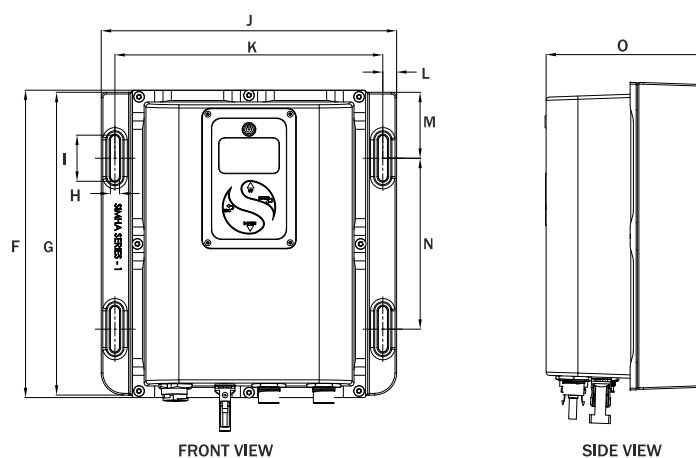
PUMPSET CODE 9500000157

DUTY HEAD 590 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	4800	4300	3350	2400	1450	1200	900
HEAD (ft)	FLOW IN US GPM						
590	21	18	13	7	0		
502	24	21	15	9	3	0	
443	28	24	17	11	4	3	0



CONTROLLER CODE : 9600000005

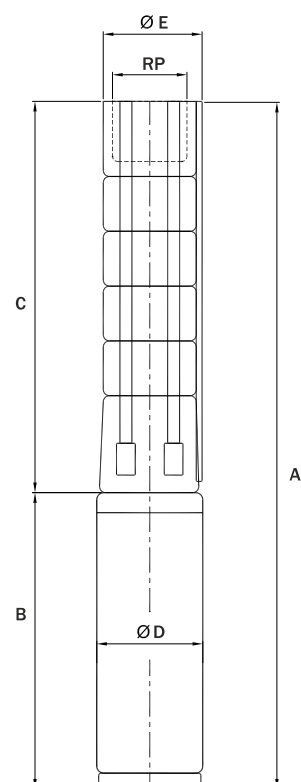
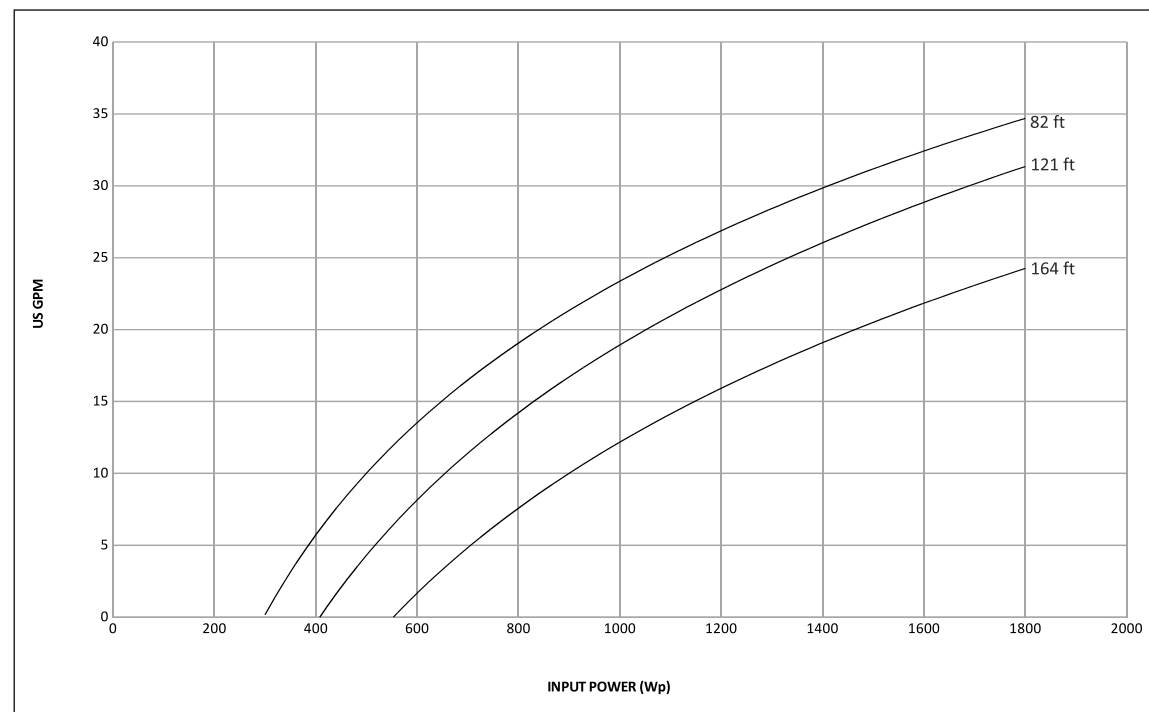
## SOLAR PUMPING SYSTEM

**SOLAR 23 DCSSP 1800**

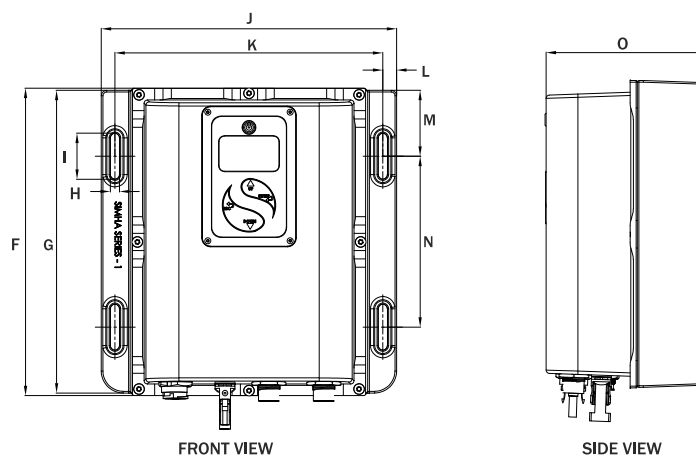
**NPT 1.5" (4X4)**

**PUMPSET CODE 9500000127**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	1800	1564	1167	794	550	400	300
HEAD (ft)	FLOW IN US GPM						
164	24	22	15	7	0		
121	31	28	22	14	6	0	
82	34	31	27	20	12	5	0



CONTROLLER CODE : 9600000020

## SOLAR PUMPING SYSTEM

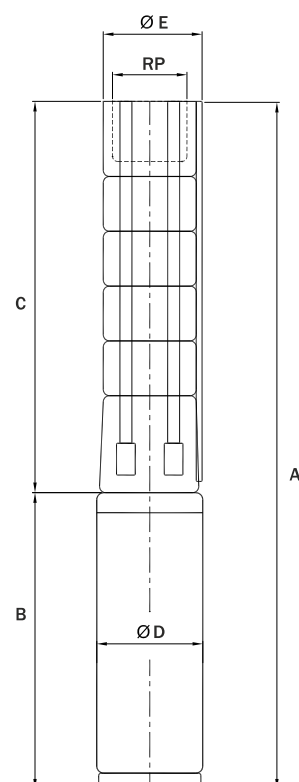
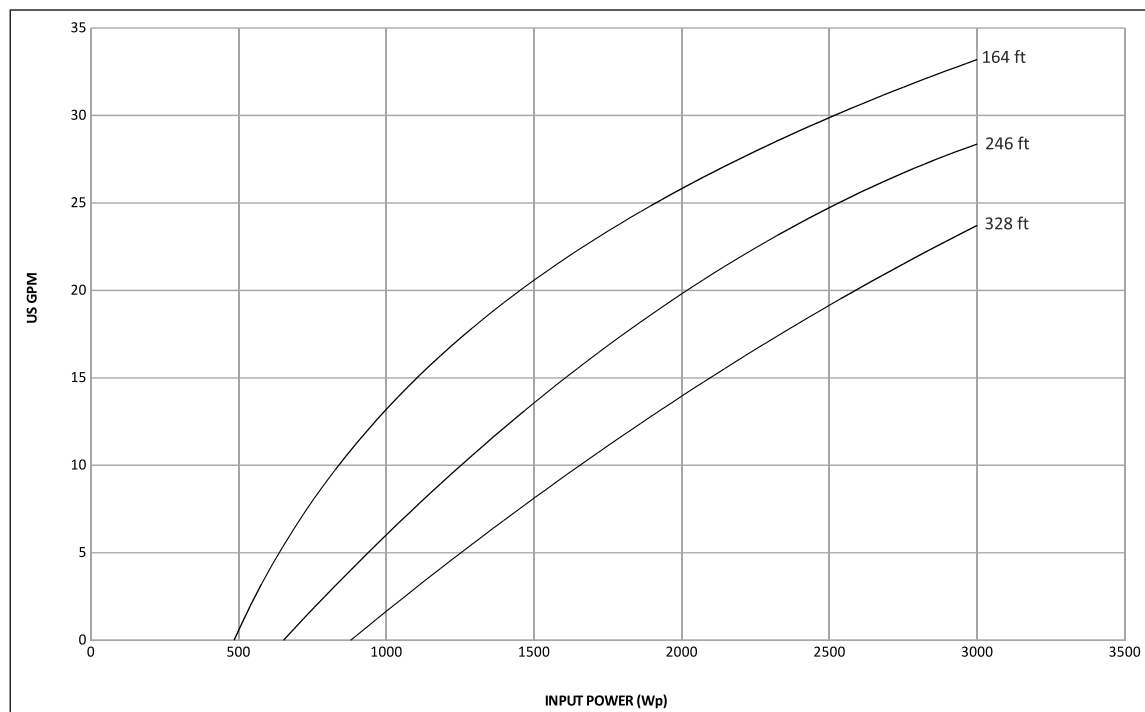
### SOLAR 23 DCSSP 3000

NPT 1.5" (4X4)

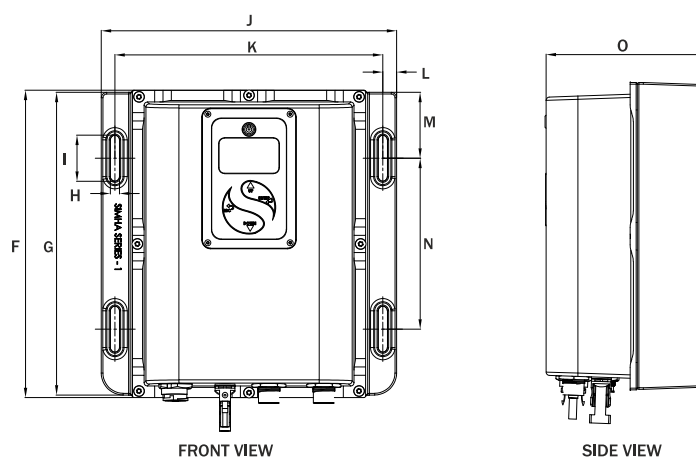
PUMPSET CODE 9500000140

DUTY HEAD 328 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	3000	2450	1850	1200	900	700	500
HEAD (ft)	FLOW IN US GPM						
328	24	19	12	5	0		
246	29	24	18	10	5	0	
164	33	29	24	17	12	6	0



CONTROLLER CODE : 9600000005



## SOLAR PUMPING SYSTEM

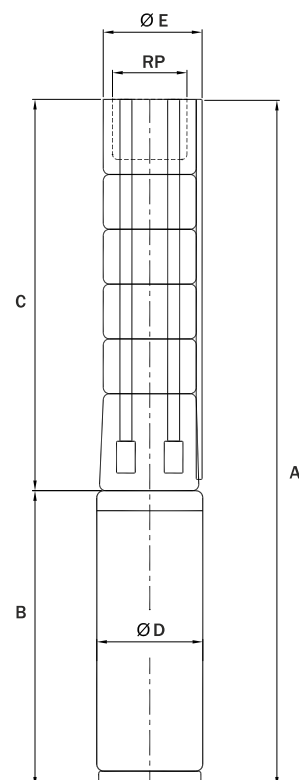
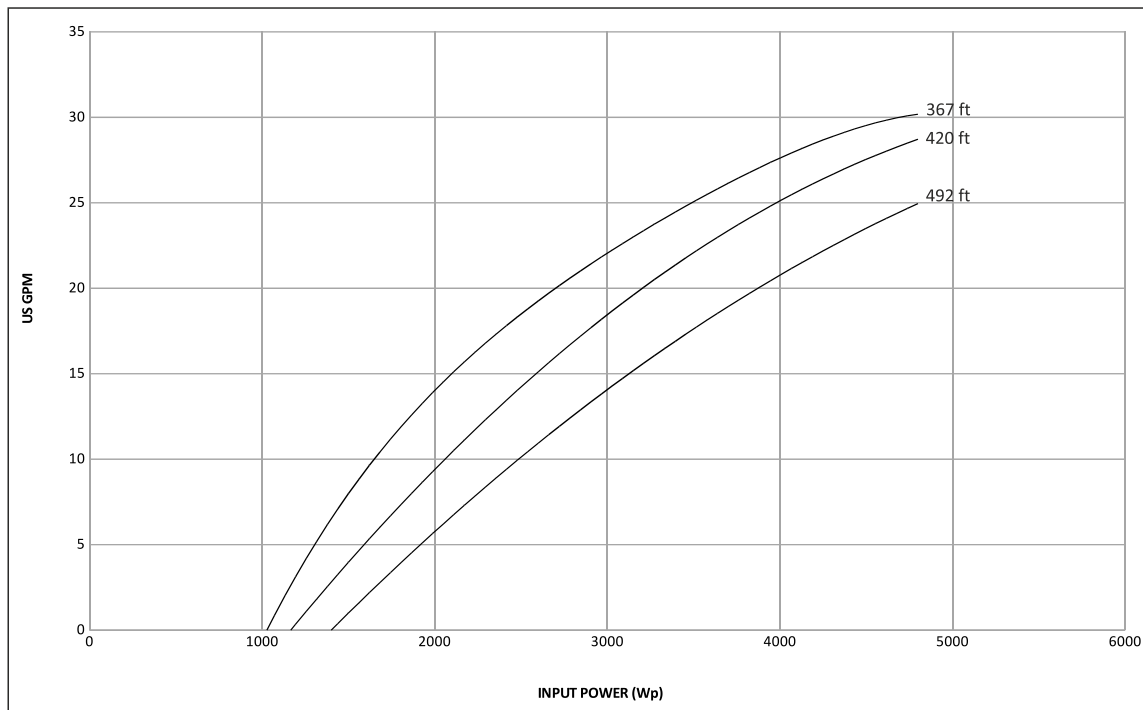
### SOLAR 25 DCSSP 4800

NPT 1.5" (4X4)

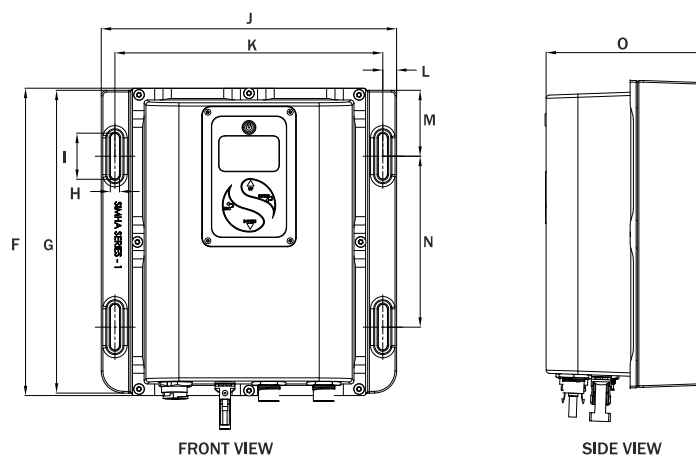
PUMPSET CODE 9500000156

DUTY HEAD 492 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	4800	3900	2900	1900	1450	1200	1000
HEAD (ft)	FLOW IN US GPM						
492	25	20	13	6	0		
420	29	24	19	8	4	0	
367	30	27	21	13	8	2	0



CONTROLLER CODE : 9600000005

# SOLAR PUMPING SYSTEM

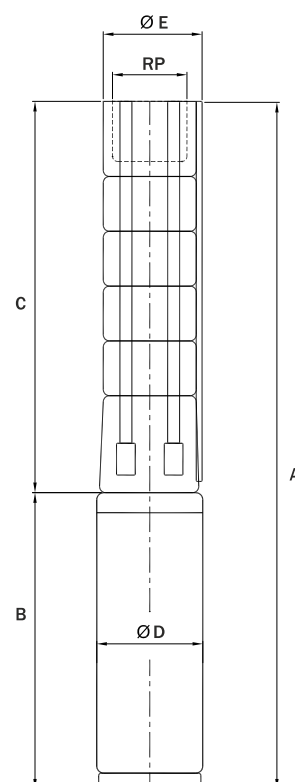
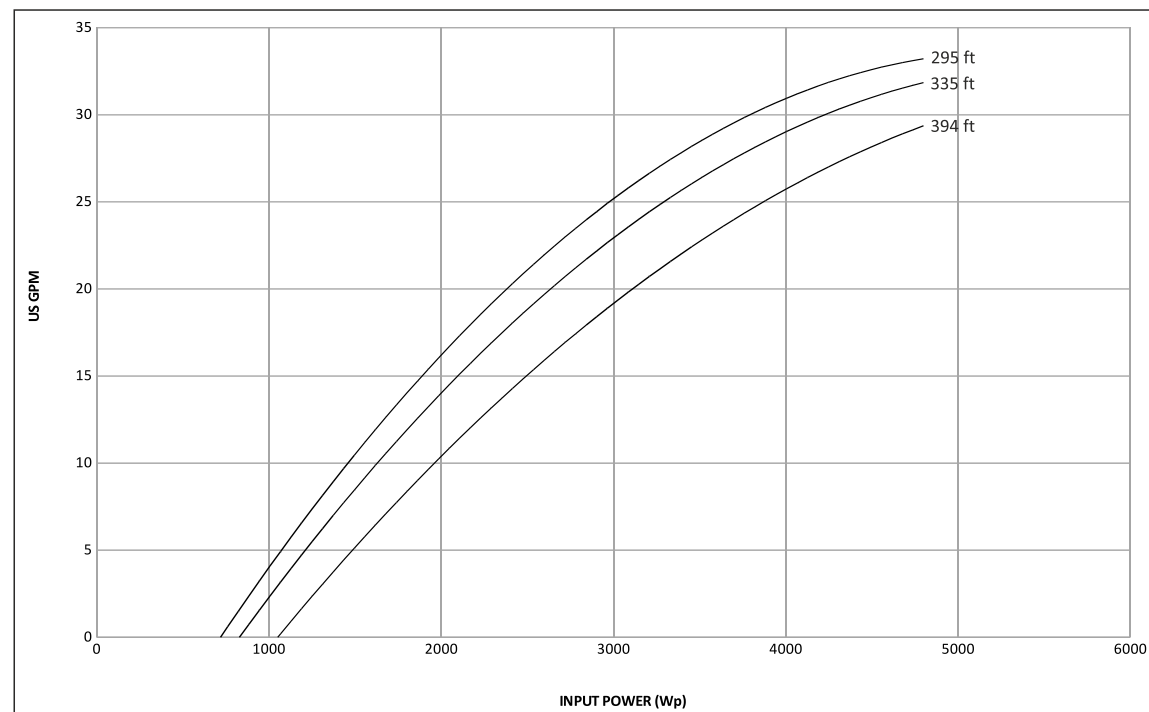
## SOLAR 29 DCSSP 4800

NPT 2" (4X4)

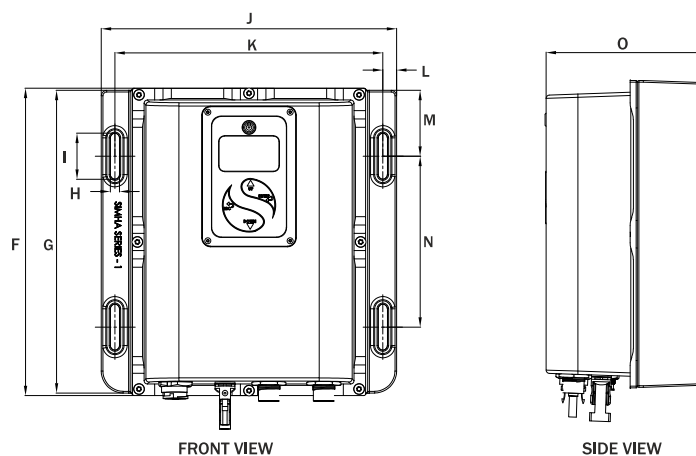
PUMPSET CODE 9500000155

DUTY HEAD 394 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	4800	3850	3050	2050	1050	900	750
HEAD (ft)	FLOW IN US GPM						
394	29	25	20	11	0		
335	32	29	22	15	4	0	
295	33	30	26	16	5	3	0



CONTROLLER CODE : 9600000005

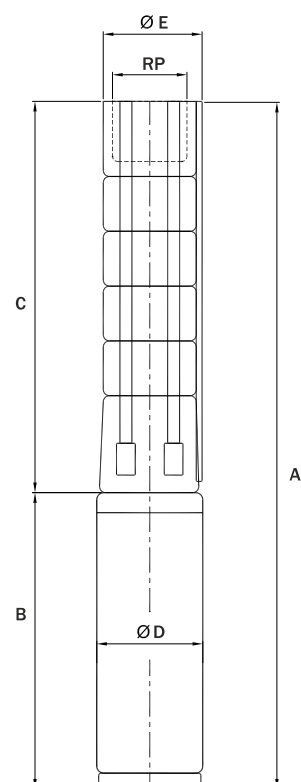
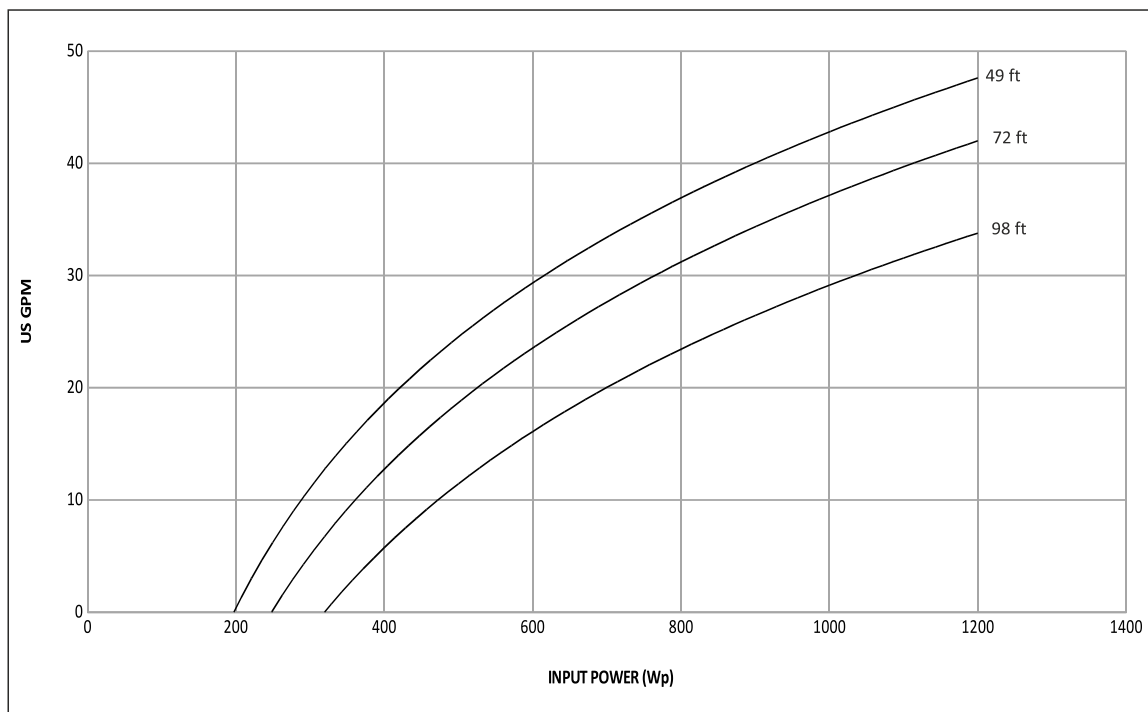
## SOLAR PUMPING SYSTEM

**SOLAR 34 DCSSP 1200**

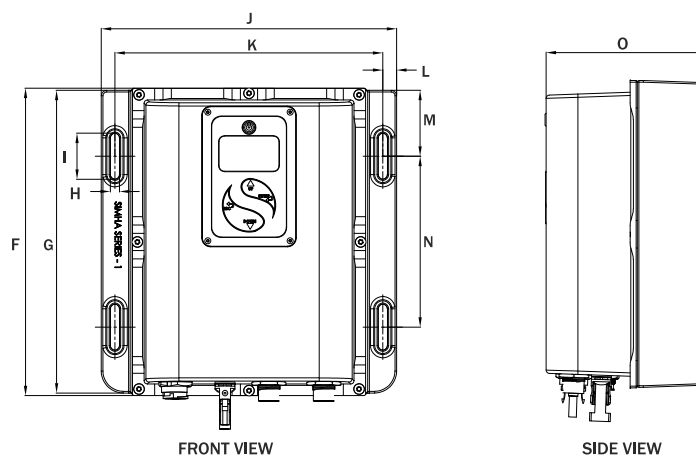
**NPT 2" (4X4)**

**PUMPSET CODE 9500000122**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	1200	1100	800	550	300	250	200
HEAD (ft)	FLOW IN US GPM						
98	35	32	23	11	0		
72	43	38	32	21	5	0	
49	48	44	38	29	13	4	0



CONTROLLER CODE : 9600000065

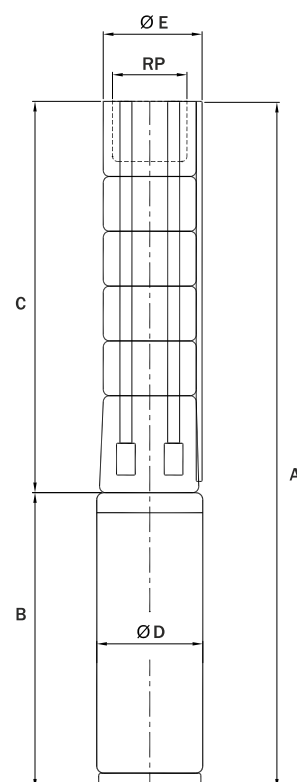
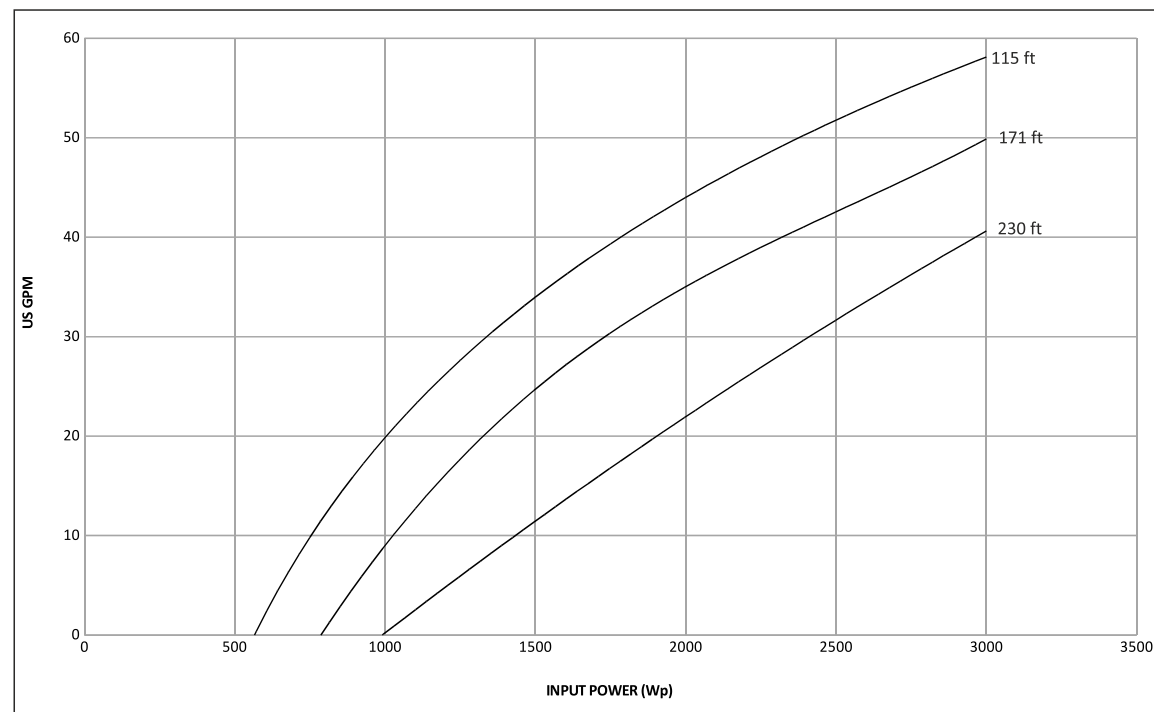
# SOLAR PUMPING SYSTEM

SOLAR 40 DCSSP 3000

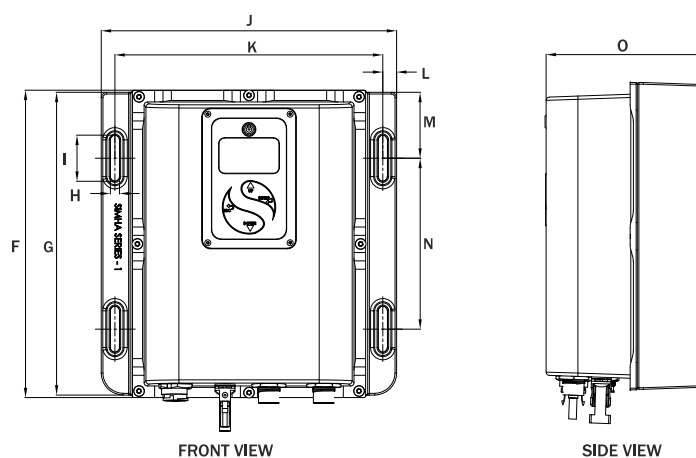
NPT 2" (4X4)

PUMPSET CODE 9500000138

DUTY HEAD 230 FEET



	INPUT POWER (Wp)						
	3000	2450	1850	1200	1000	800	600
HEAD (ft)	FLOW IN US GPM						
230	41	30	19	5	0		
171	50	42	32	16	10	0	
115	57	50	42	30	21	11	0



CONTROLLER CODE : 9600000005



## SOLAR PUMPING SYSTEM

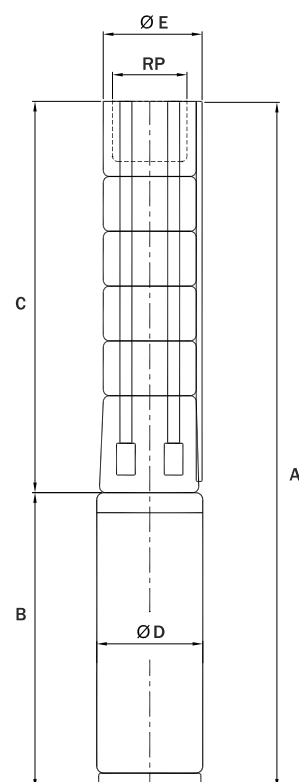
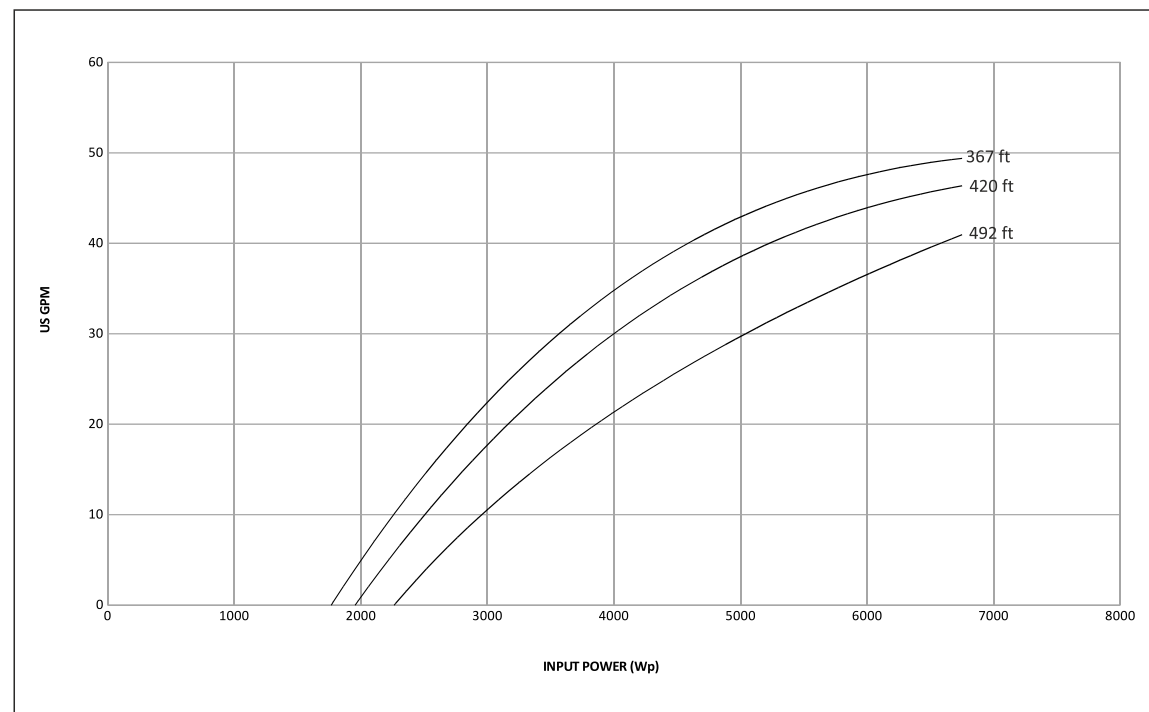
### SOLAR 42 DCSSP 6750

NPT 2" (4X4)

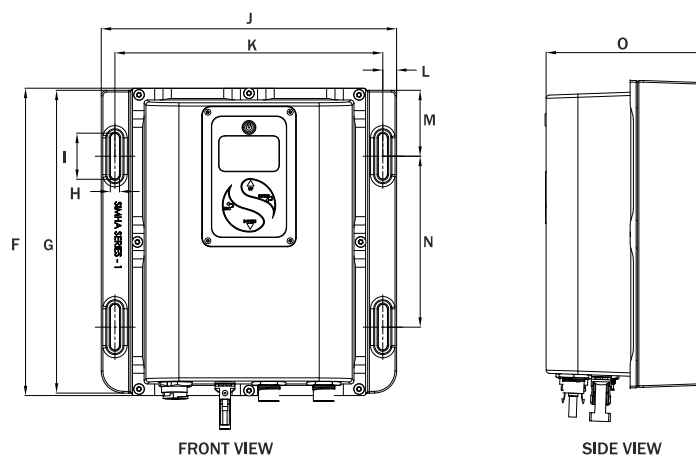
PUMPSET CODE 9500000166

DUTY HEAD 492 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	6750	5600	4200	2800	2200	2000	1750
HEAD (ft)	FLOW IN US GPM						
492	42	34	21	8	0		
420	46	42	32	15	6	0	
367	50	45	38	18	9	5	0



CONTROLLER CODE : 9600000023

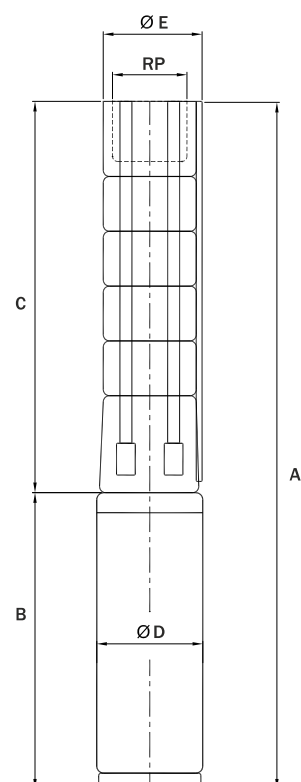
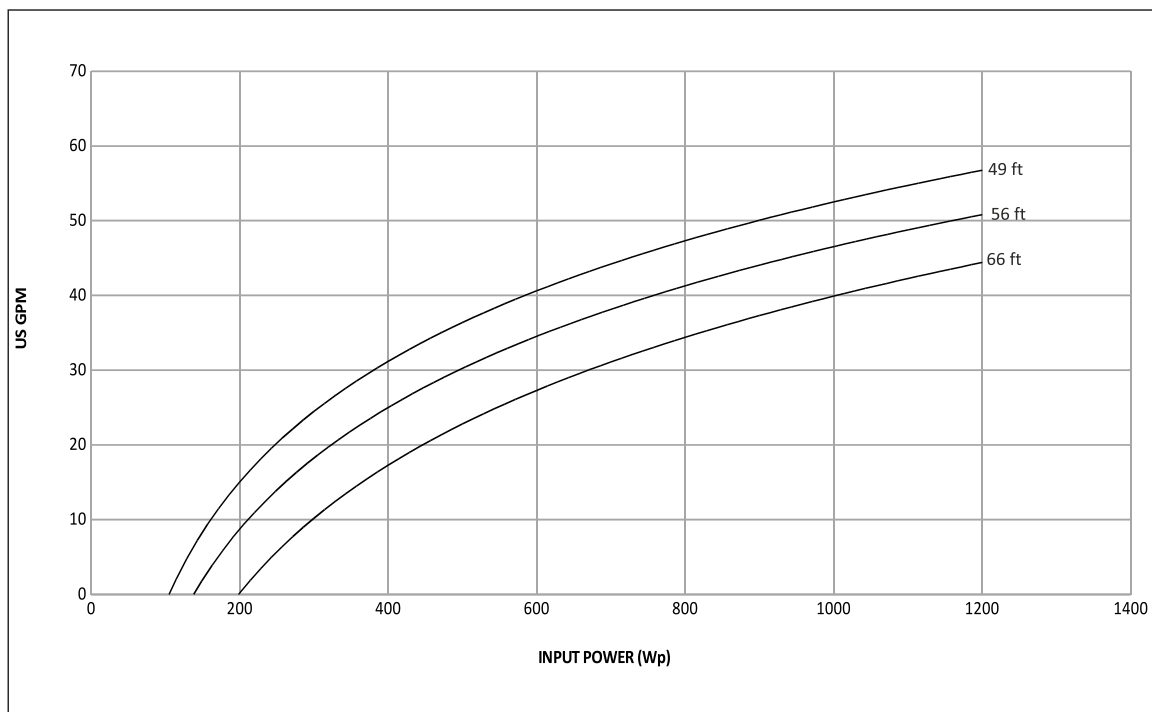
## SOLAR PUMPING SYSTEM

**SOLAR 43 DCSSP 1200**

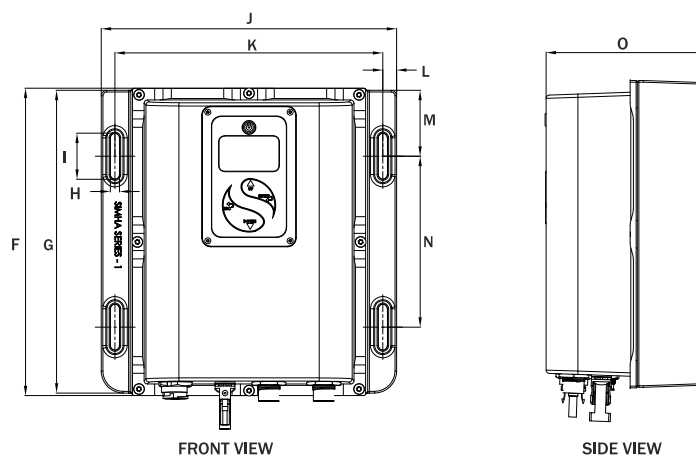
**NPT 2" (4X4)**

**PUMPSET CODE 9500000121**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	1200	900	600	450	200	150	100
HEAD (ft)	FLOW IN US GPM						
66	44	37	29	19	0		
56	52	44	34	26	12	0	
49	59	49	39	34	15	8	0



CONTROLLER CODE : 9600000065

# SOLAR PUMPING SYSTEM

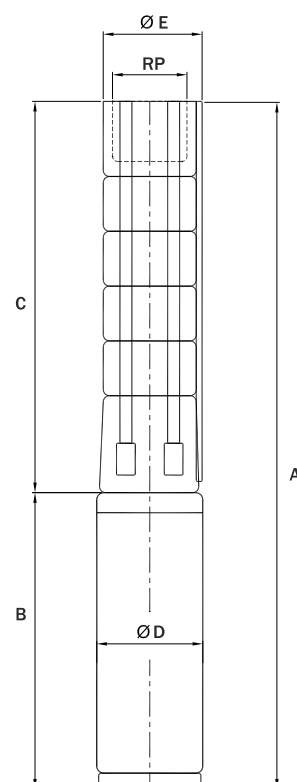
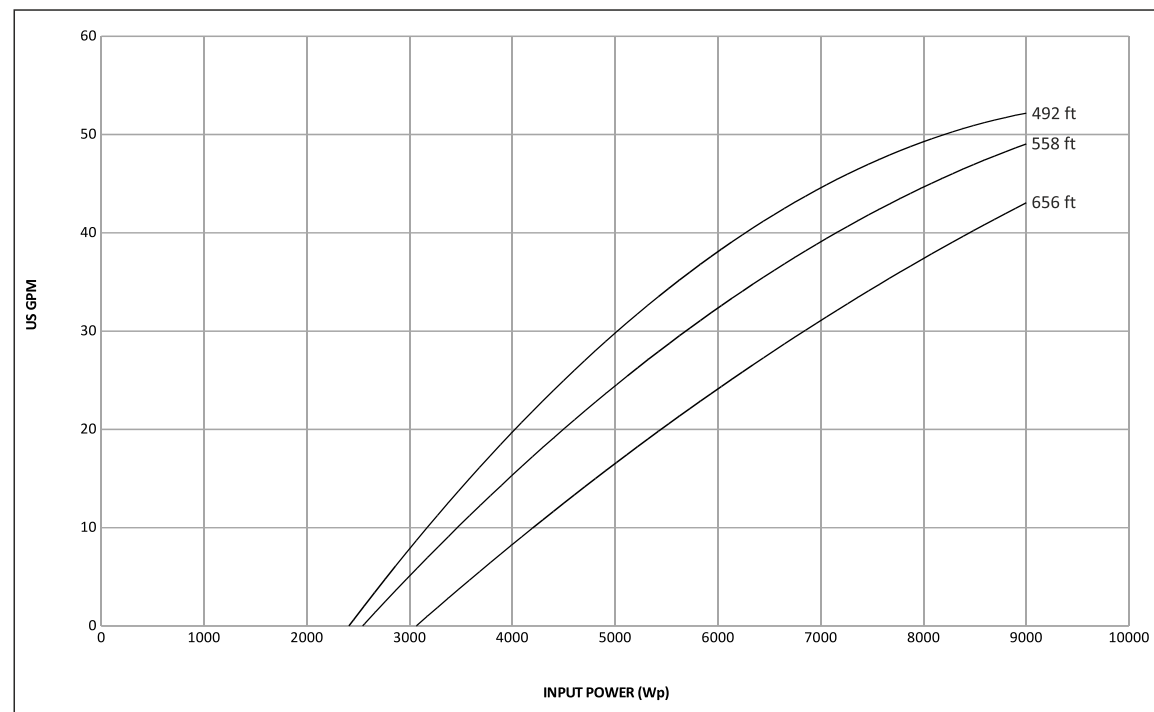
## SOLAR 43 DCSSP 9000

NPT 2" (6X4)

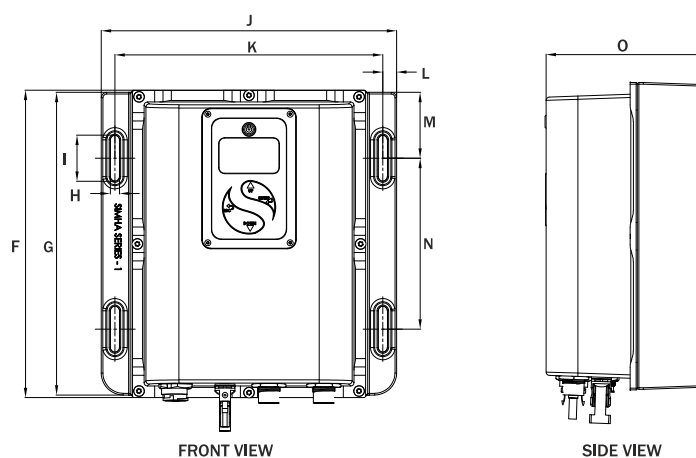
PUMPSET CODE 9500000569

DUTY HEAD 656 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	9000	7200	5350	3600	3150	2700	2600
HEAD (ft)	FLOW IN US GPM						
656	43	32	19	6	0		
558	49	40	26	12	8	0	
492	53	45	33	16	11	5	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

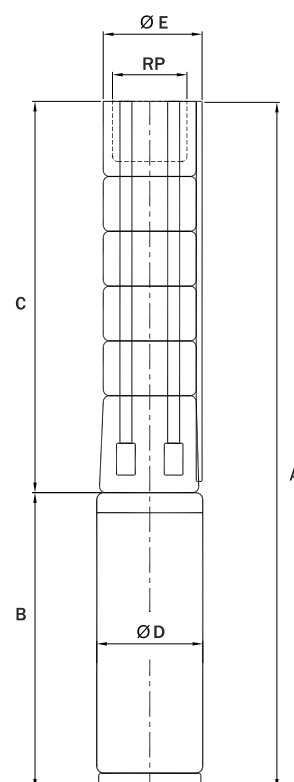
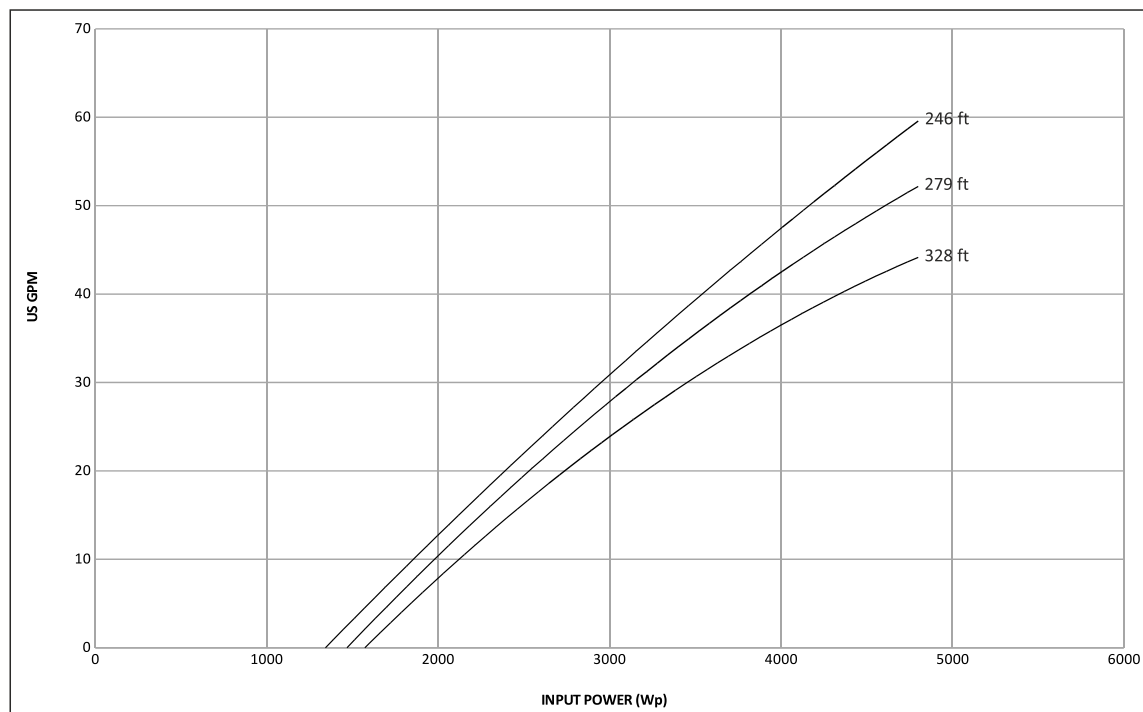
### SOLAR 44 DCSSP 4800

NPT 2" (4X4)

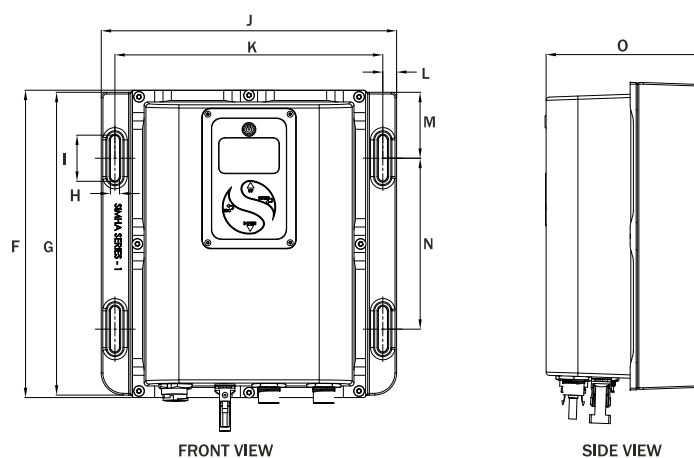
PUMPSET CODE 9500000154

DUTY HEAD 328 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	4800	3700	2800	1900	1600	1450	1250
HEAD (ft)	FLOW IN US GPM						
328	44	33	21	7	0		
279	52	39	24	8	3	0	
246	59	44	28	9	4	2	0



CONTROLLER CODE : 9600000005



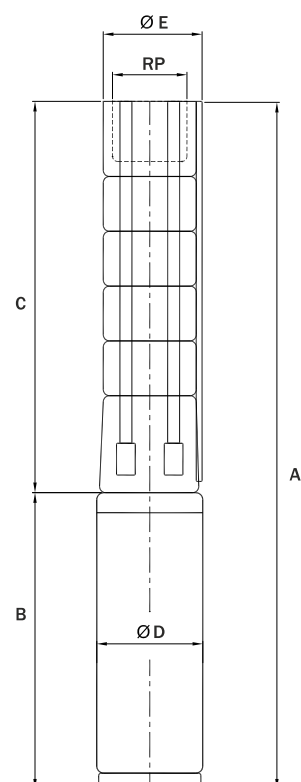
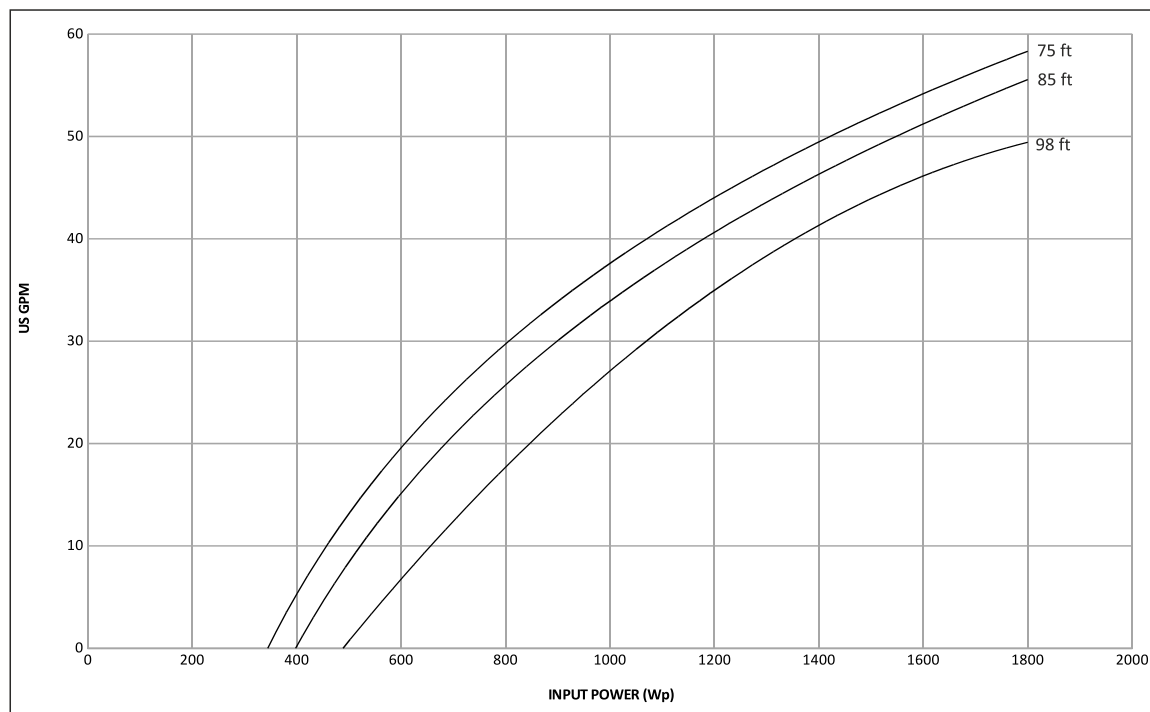
## SOLAR PUMPING SYSTEM

**SOLAR 49 DCSSP 1800**

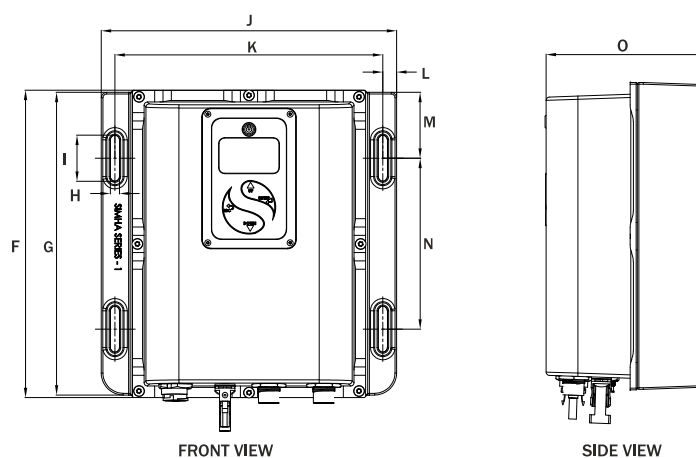
**NPT 2" (4X4)**

**PUMPSET CODE 9500000123**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	1800	1450	1050	700	500	400	350
HEAD (ft)	FLOW IN US GPM						
98	50	42	29	13	0		
85	54	48	37	21	8	0	
75	57	50	41	29	11	5	0



CONTROLLER CODE : 9600000020

# SOLAR PUMPING SYSTEM

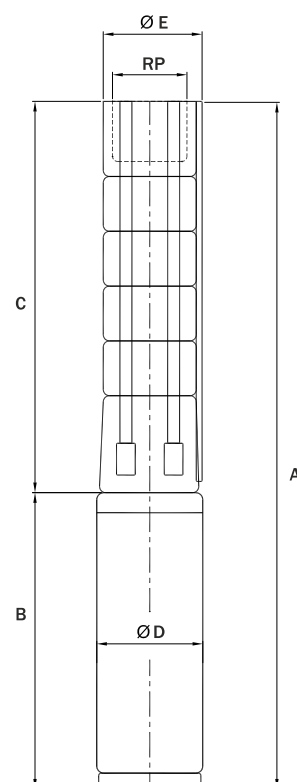
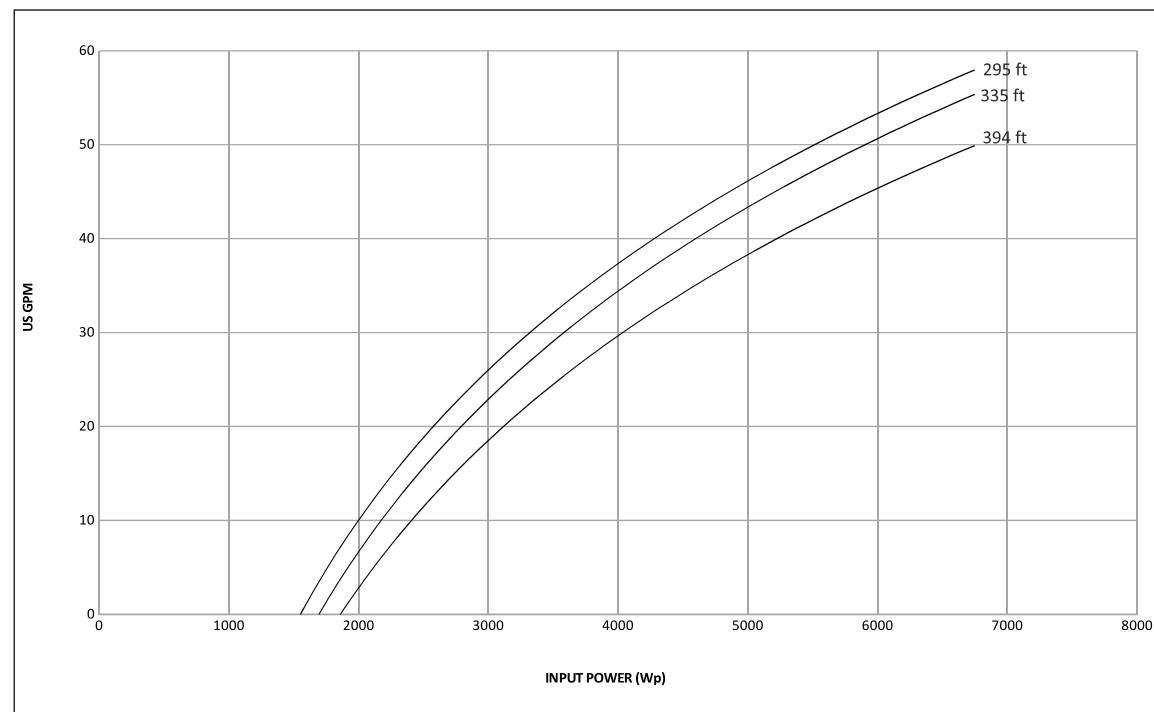
## SOLAR 50 DCSSP 6750

NPT 2" (4X4)

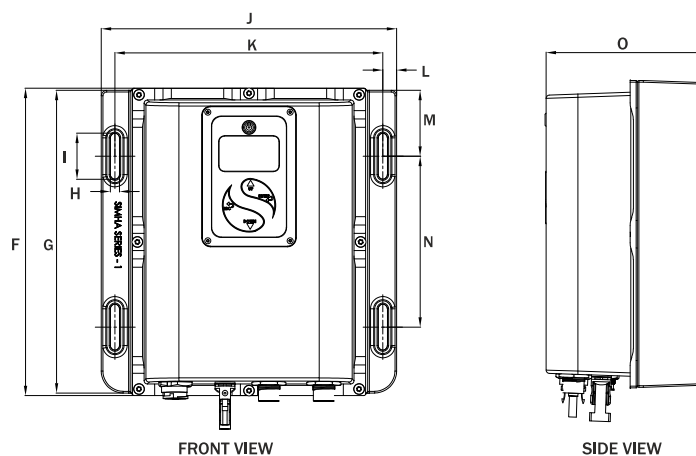
PUMPSET CODE 9500000165

DUTY HEAD 394 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	6750	5950	4950	2950	1800	1750	1600
HEAD (ft)	FLOW IN US GPM						
394	50	46	38	16	0		
335	54	50	45	21	4	0	
295	56	53	49	25	7	5	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

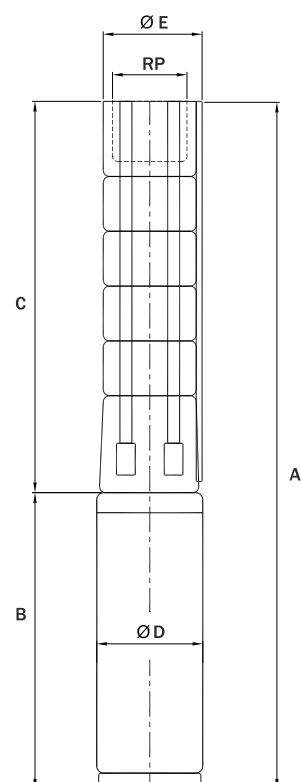
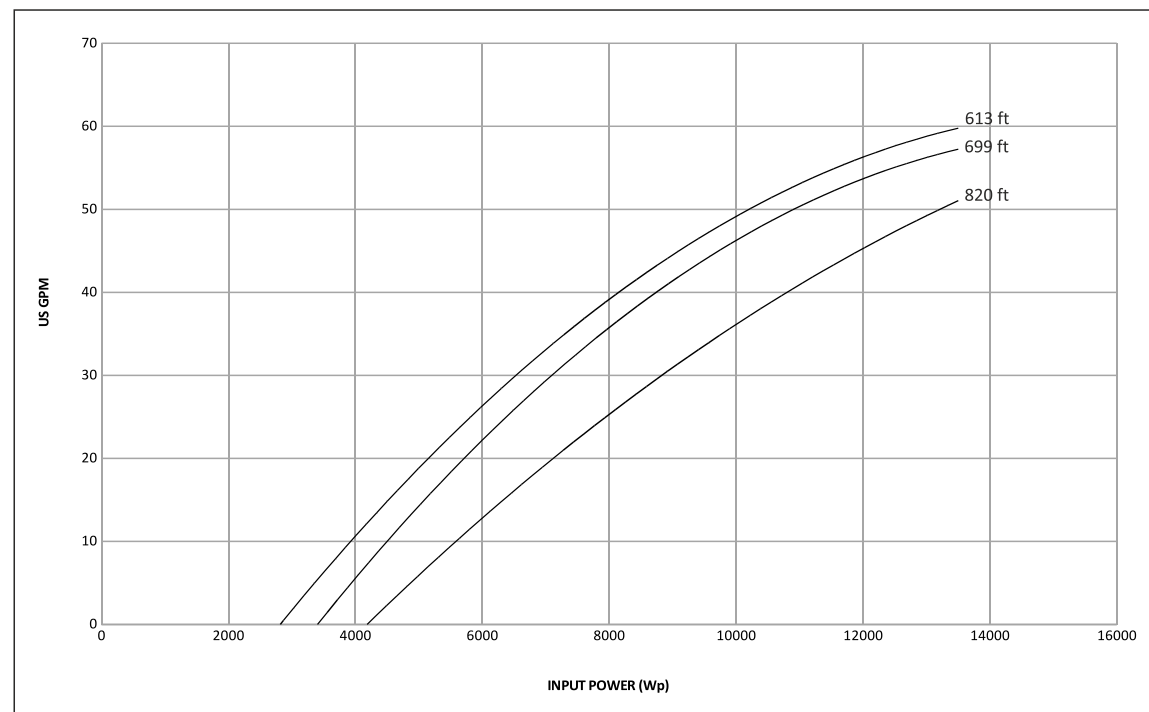
### SOLAR 51 DCSSP 13500

NPT 2" (6X4)

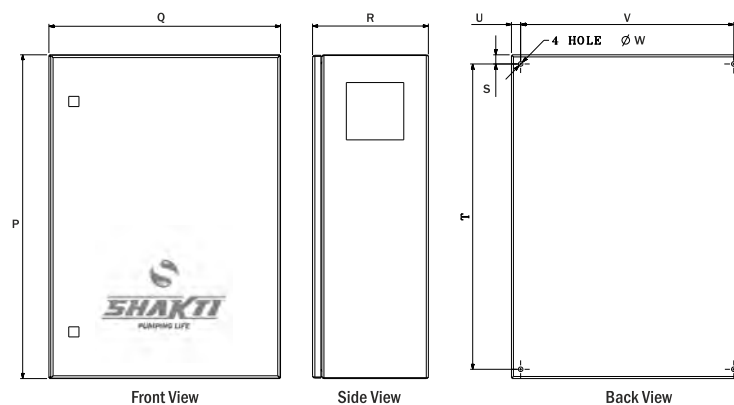
PUMPSET CODE 9500000570

DUTY HEAD 820 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	13500	10800	8100	5350	4300	3450	2950
HEAD (ft)	FLOW IN US GPM						
820	51	40	25	10	0		
699	57	49	36	19	8	0	
613	60	51	40	22	13	7	0



CONTROLLER CODE : 9000024747

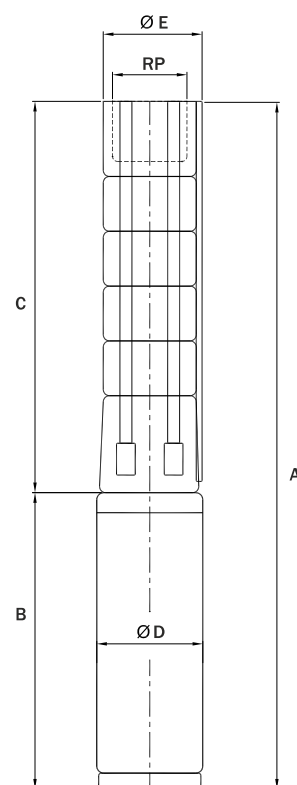
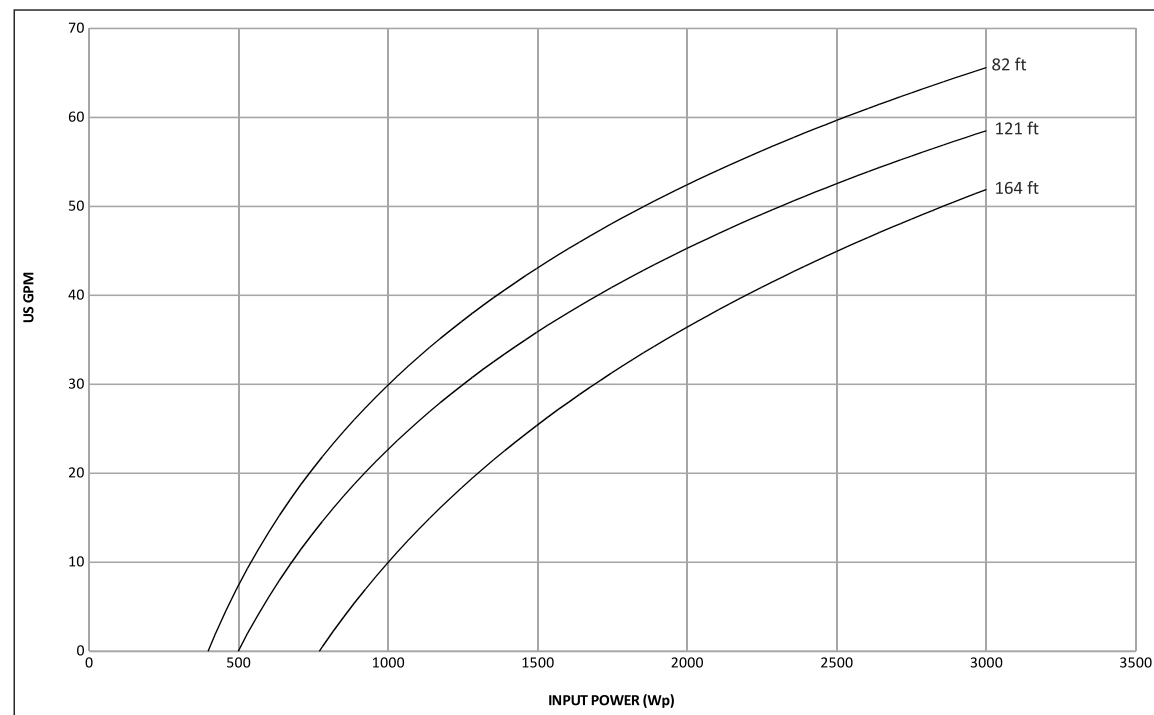
# SOLAR PUMPING SYSTEM

SOLAR 52 DCSSP 3000

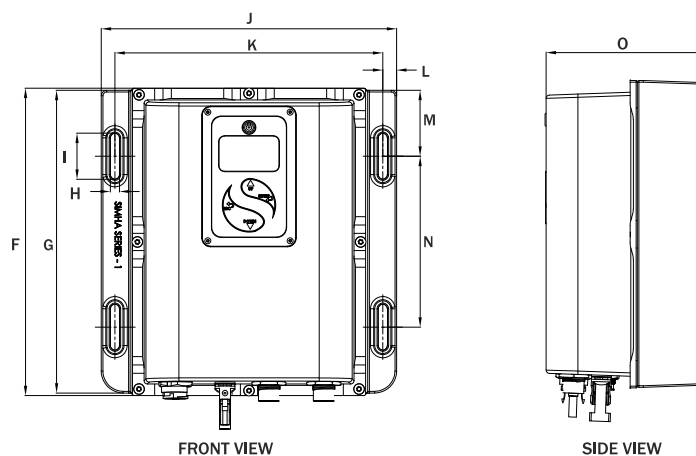
NPT 2.5" (4X4)

PUMPSET CODE 9500000133

DUTY HEAD 164 FEET



	INPUT POWER (Wp)						
	3000	2450	1850	1200	750	500	400
HEAD (ft)	FLOW IN US GPM						
164	53	44	33	16	0		
121	58	52	43	29	13	0	
82	65	59	50	38	19	8	0



CONTROLLER CODE : 9600000005

## SOLAR PUMPING SYSTEM

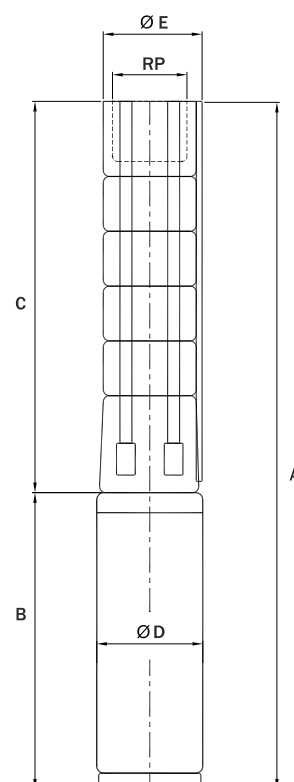
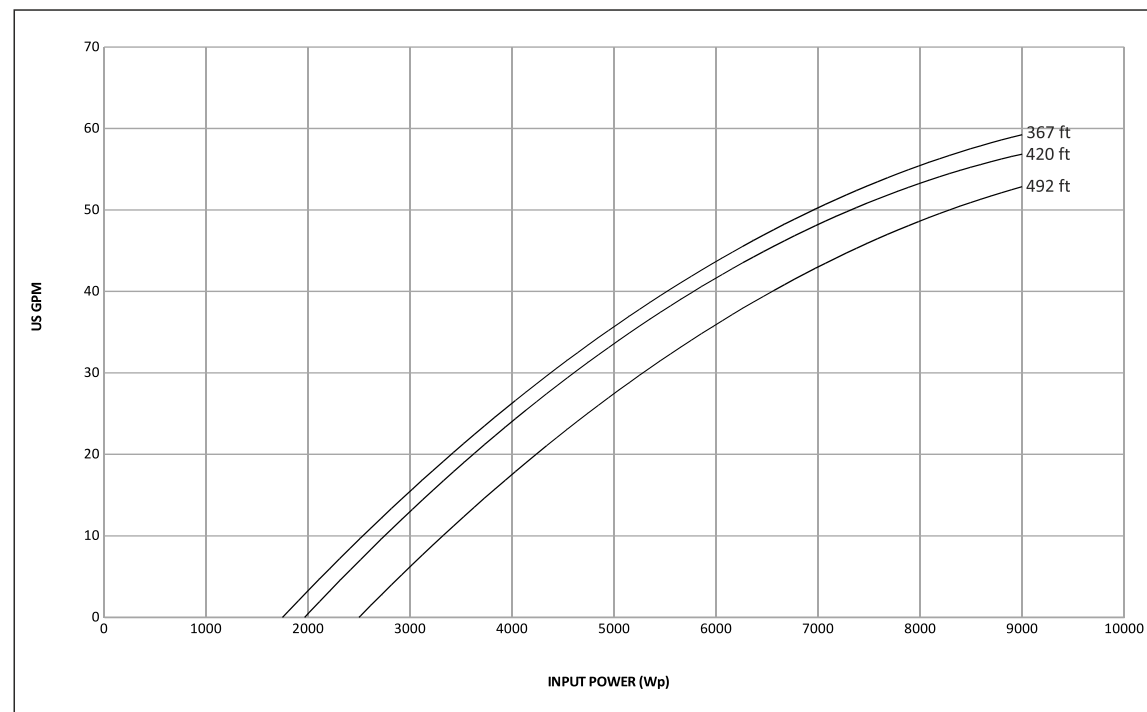
### SOLAR 52 DCSSP 9000

NPT 2" (6X4)

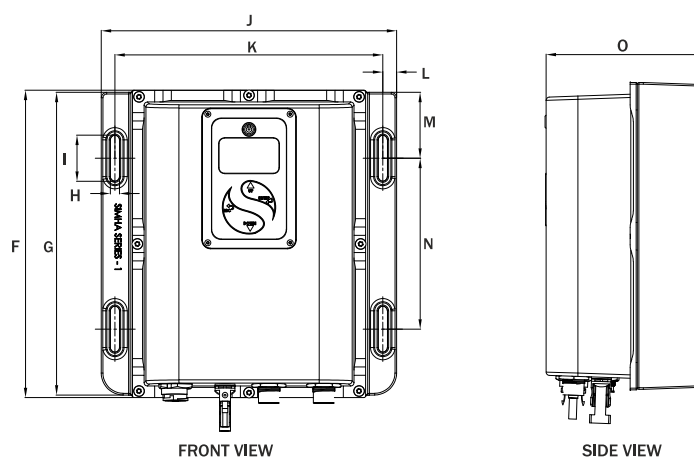
PUMPSET CODE 9500000568

DUTY HEAD 492 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	9000	7450	6350	5500	2500	2000	1850
HEAD (ft)	FLOW IN US GPM						
492	53	46	39	32	0		
420	57	51	43	38	7	0	
367	59	53	47	39	11	4	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

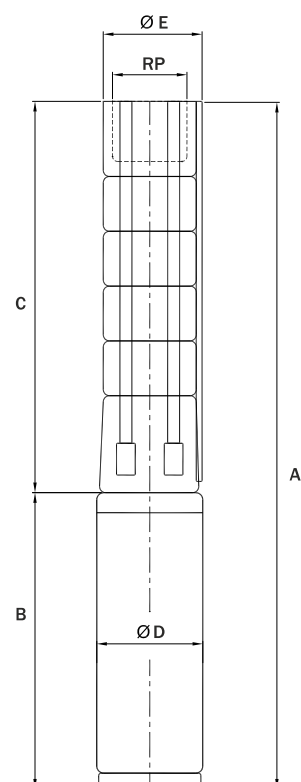
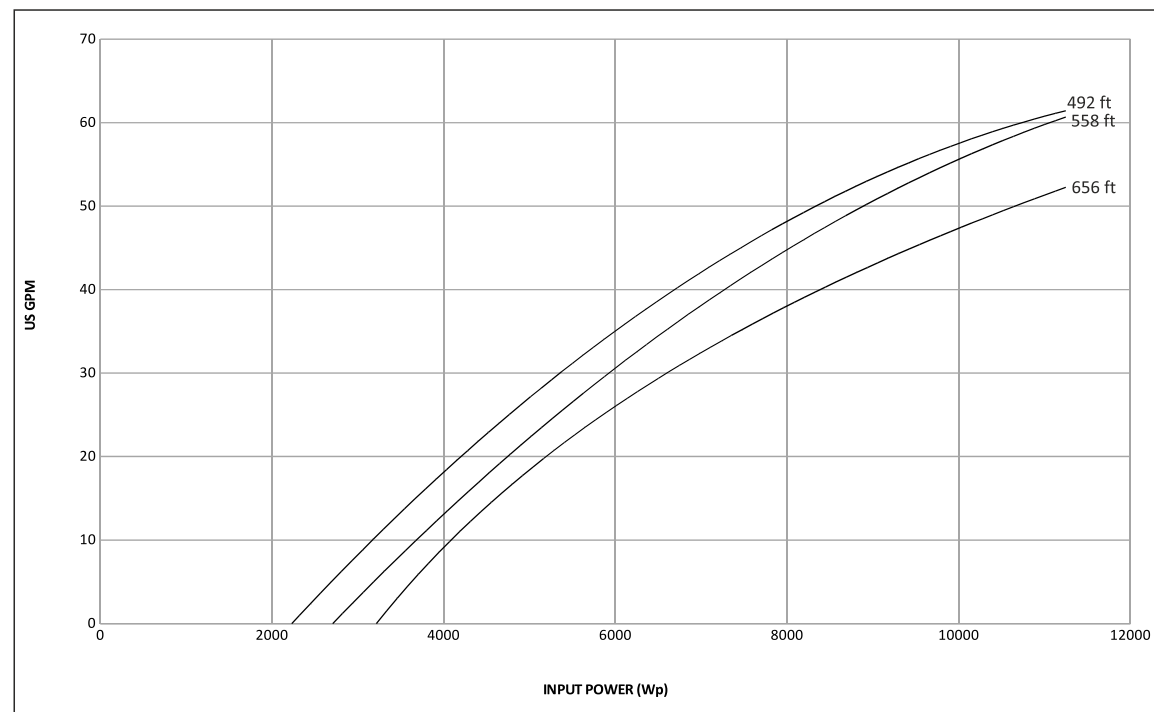
### SOLAR 52 DCSSP 11250

NPT 2" (6X4)

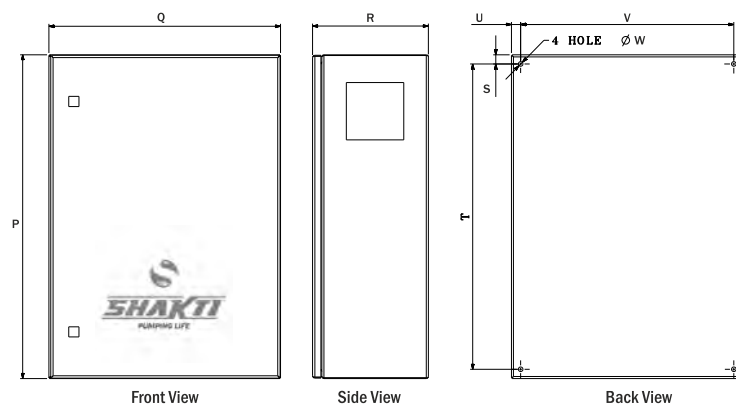
PUMPSET CODE 9500000167

DUTY HEAD 656 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	11250	9950	8100	4750	3300	2650	2250
HEAD (ft)	FLOW IN US GPM						
656	53	47	38	18	0		
558	61	55	45	21	5	0	
492	61	57	49	25	11	5	0



CONTROLLER CODE : 9000024747

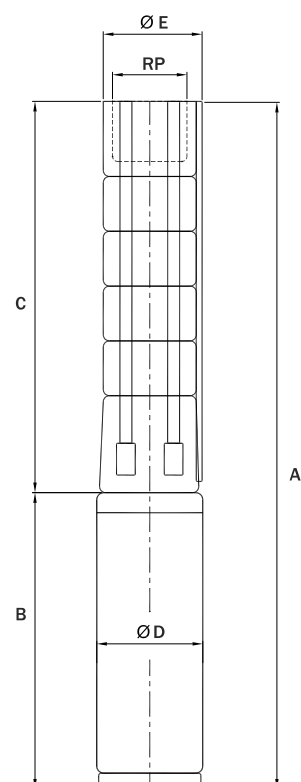
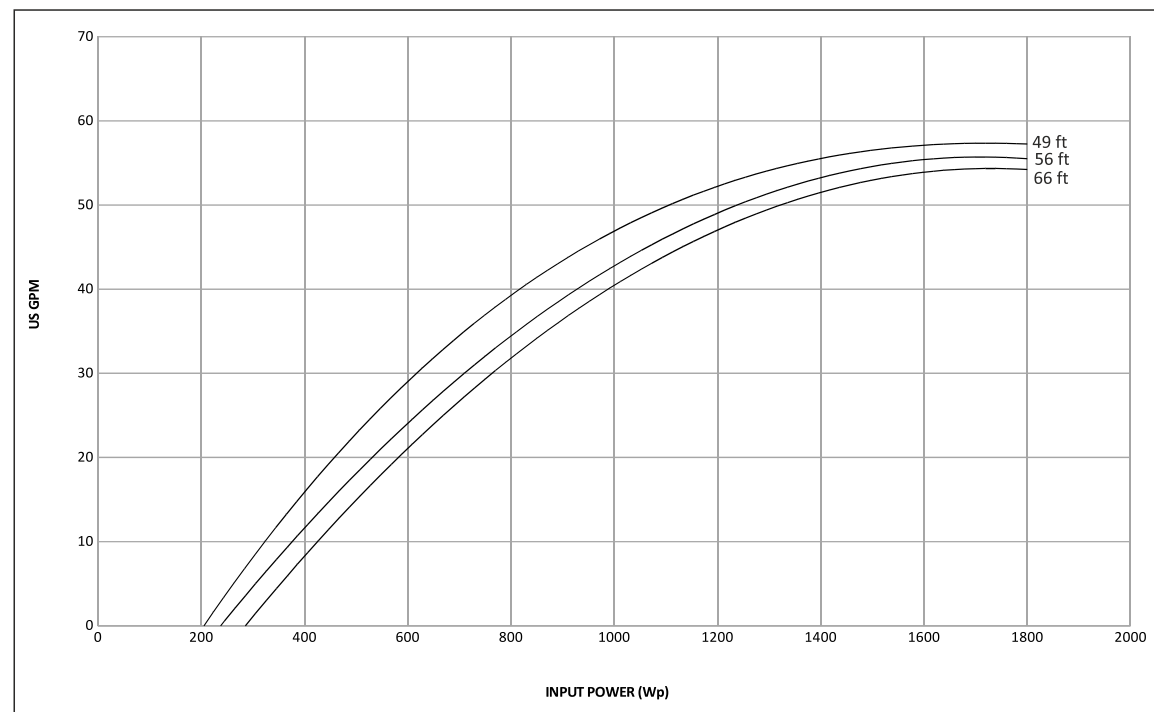
## SOLAR PUMPING SYSTEM

**SOLAR 55 DCSSP 1800**

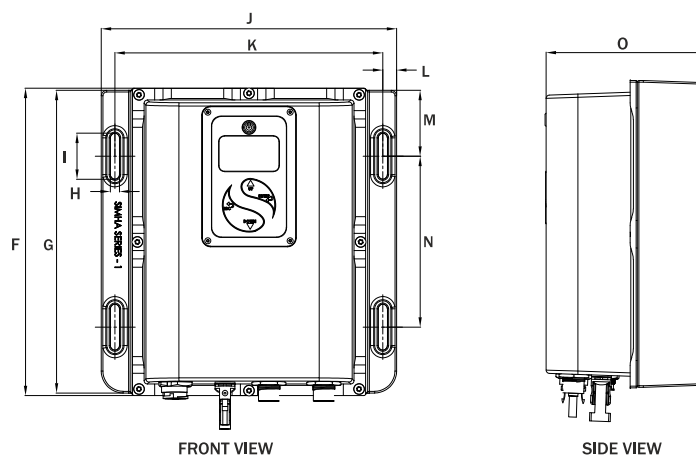
**NPT 2" (4X4)**

**PUMPSET CODE 9500000124**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	1800	1450	850	450	300	250	200
HEAD (ft)	FLOW IN US GPM						
66	55	51	35	13	0		
56	56	53	37	16	5	0	
49	57	56	42	19	8	4	0



CONTROLLER CODE : 9600000020

# SOLAR PUMPING SYSTEM

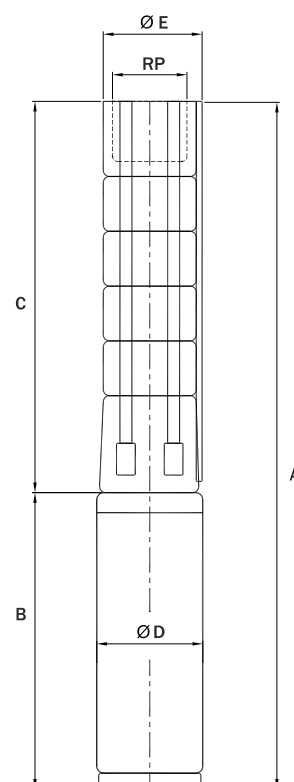
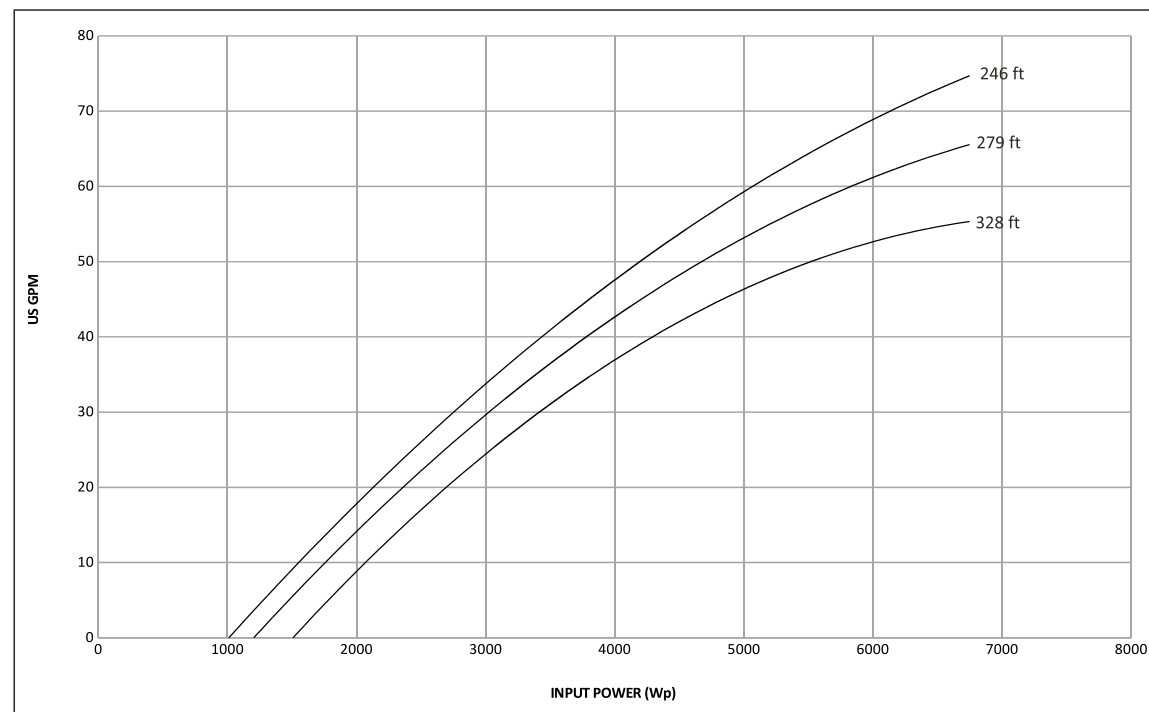
## SOLAR 55 DCSSP 6750

NPT 2" (4X4)

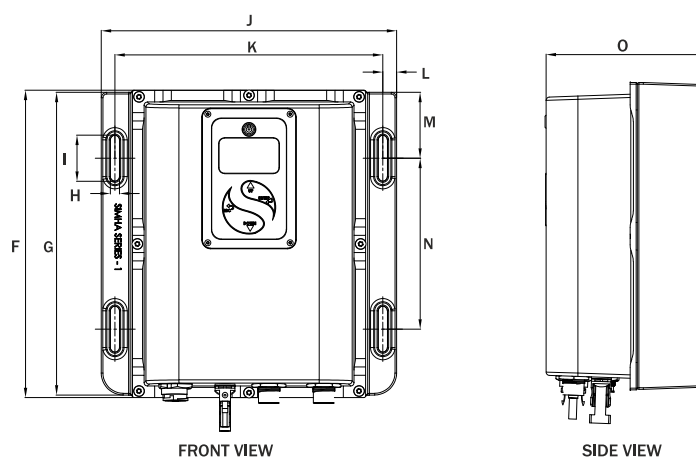
PUMPSET CODE 9500000164

DUTY HEAD 328 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	6750	4750	3400	2050	1600	1200	1000
HEAD (ft)	FLOW IN US GPM						
328	56	44	30	12	0		
279	65	51	35	14	8	0	
246	74	58	40	16	11	5	0



CONTROLLER CODE : 9600000023



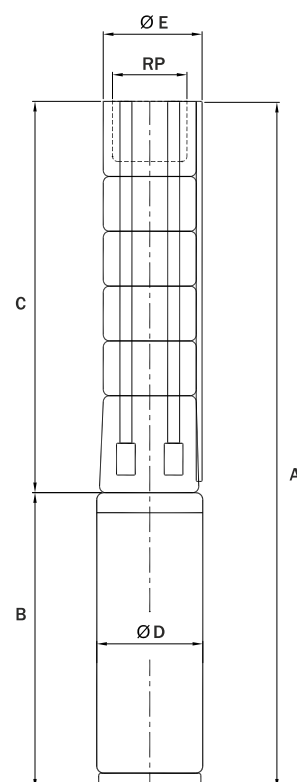
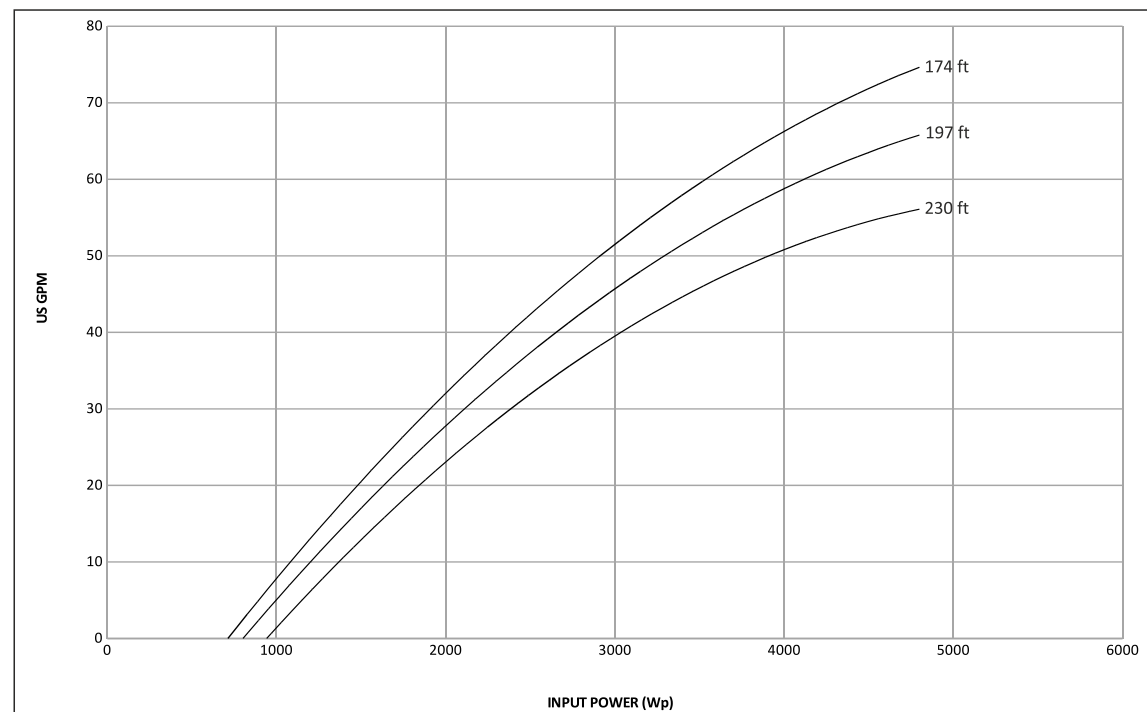
# SOLAR PUMPING SYSTEM

SOLAR 56 DCSSP 4800

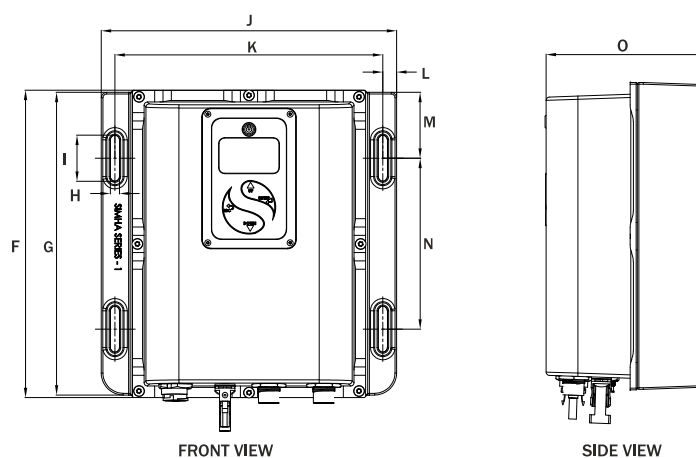
NPT 2" (4X4)

PUMPSET CODE 9500000153

DUTY HEAD 230 FEET



HEAD (ft)	INPUT POWER (Wp)						
	4800	3800	2900	1900	954	800	750
230	56	48	38	22	0		
197	66	56	44	25	4	0	
174	74	64	50	29	7	3	0



CONTROLLER CODE : 9600000005

## SOLAR PUMPING SYSTEM

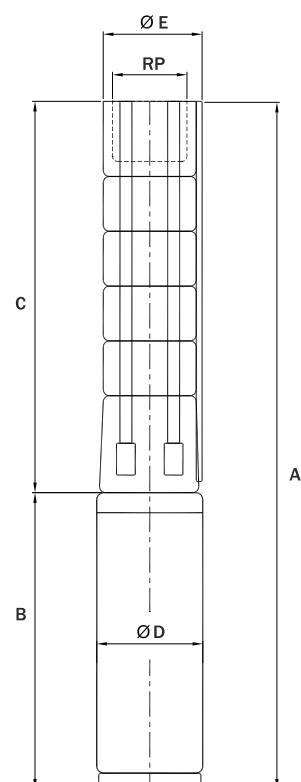
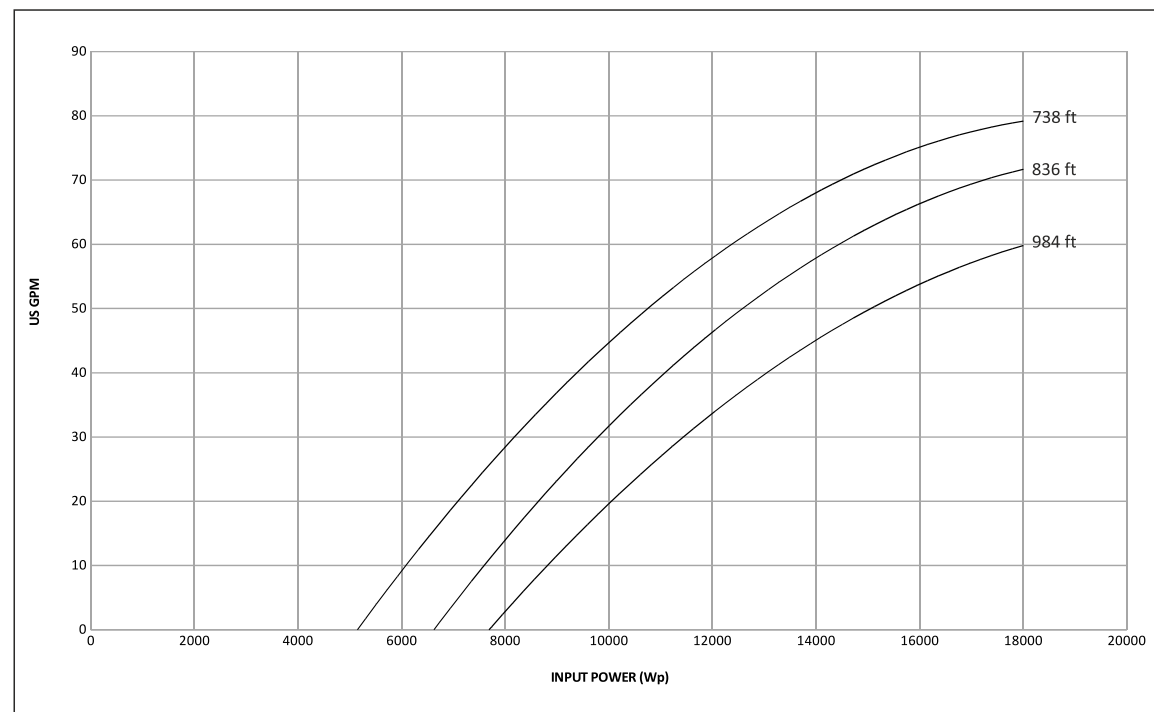
### SOLAR 60 DCSSP 18000

NPT 2" (6X6)

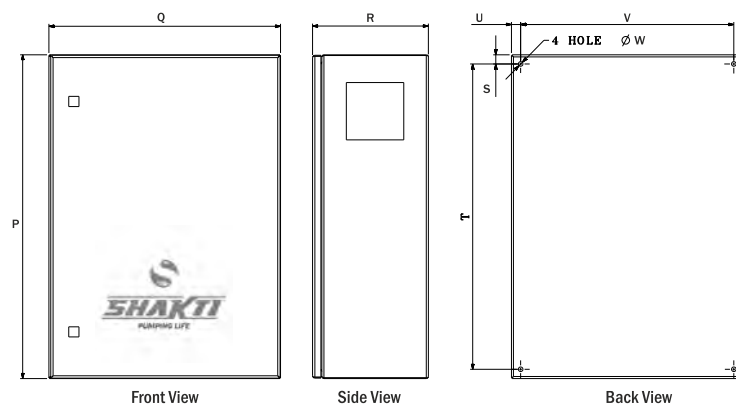
PUMPSET CODE 9500000588

DUTY HEAD 984 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	18000	14550	11300	9250	8000	6500	5350
HEAD (ft)	FLOW IN US GPM						
984	61	45	30	17	0		
836	72	58	46	24	12	0	
738	80	69	54	40	28	17	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

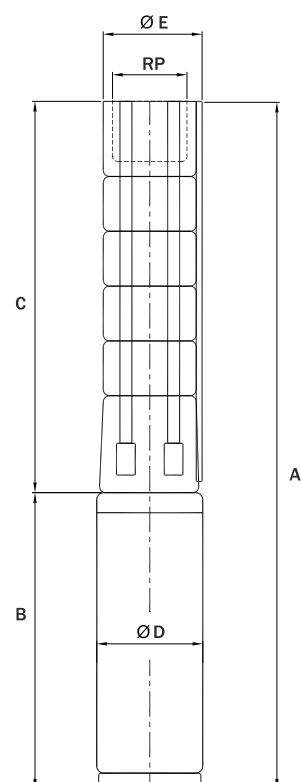
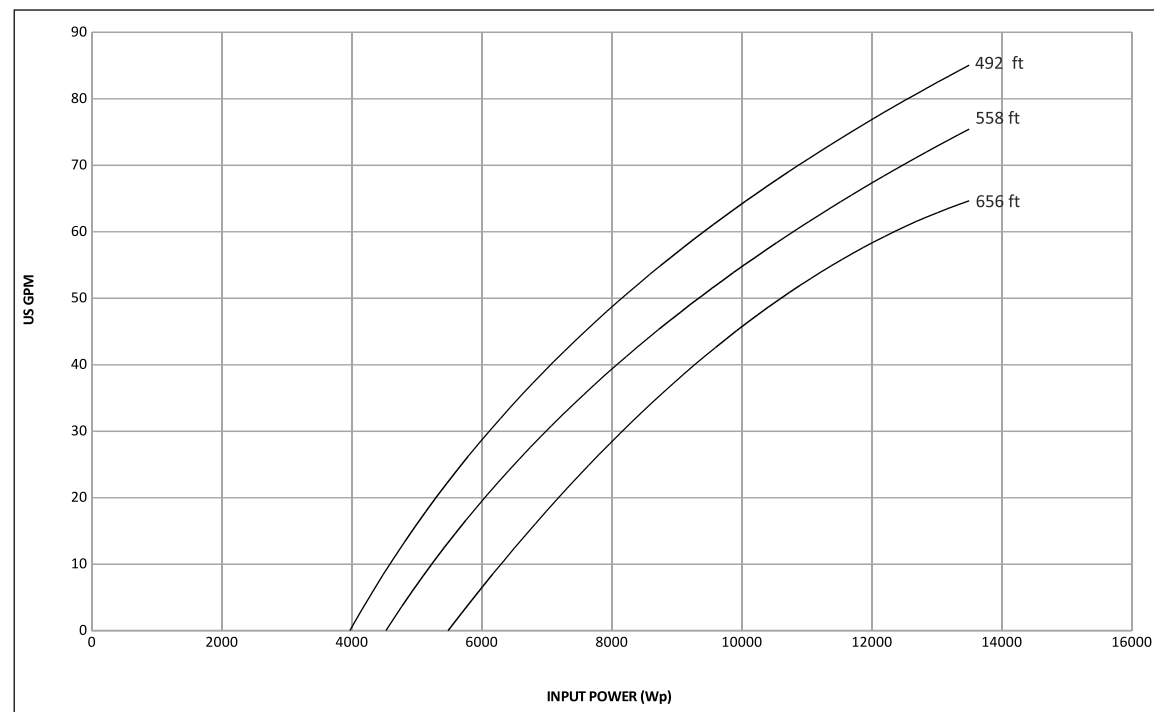
### SOLAR 65 DCSSP 13500

NPT 2" (6X6)

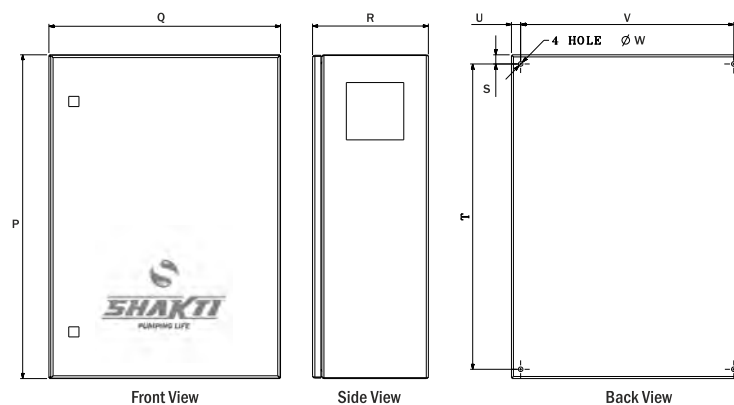
PUMPSET CODE 9500000578

DUTY HEAD 656 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	13500	10800	8100	6050	5500	4600	4000
HEAD (ft)	FLOW IN US GPM						
656	65	49	32	6	0		
558	77	58	40	21	15	0	
492	85	69	50	32	24	8	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

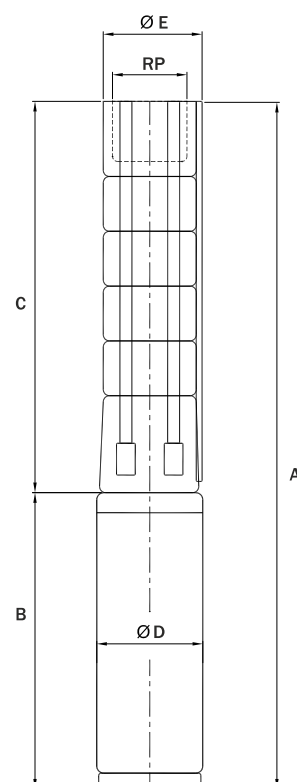
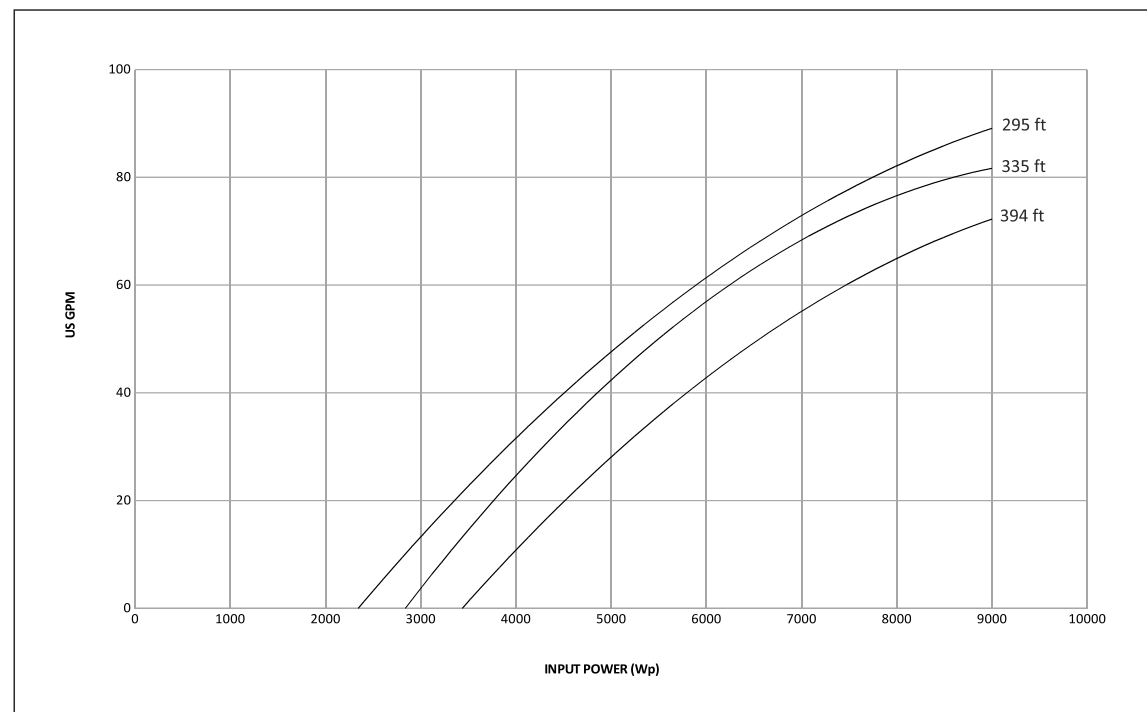
### SOLAR 72 DCSSP 9000

NPT 2" (6X6)

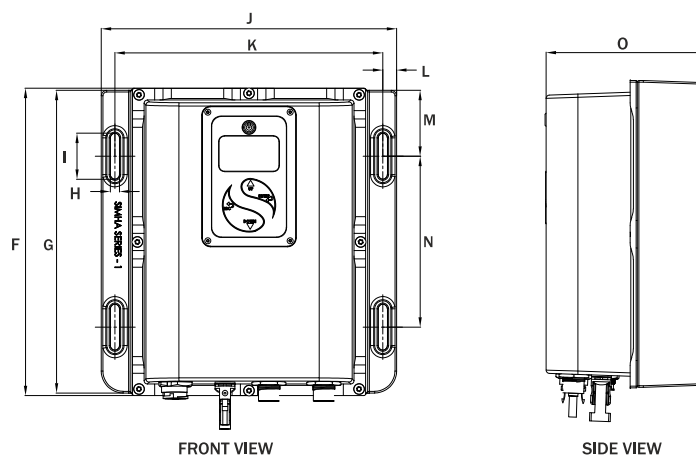
PUMPSET CODE 9500000171

DUTY HEAD 394 FEET

CHOKE CODE 9600000025



	INPUT POWER (Wp)						
	9000	7200	6300	4500	3500	2850	2450
HEAD (ft)	FLOW IN US GPM						
394	73	56	46	22	0		
335	82	71	57	38	13	0	
295	90	75	61	44	23	11	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

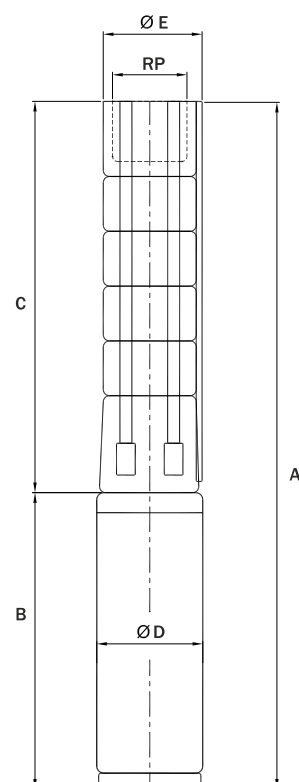
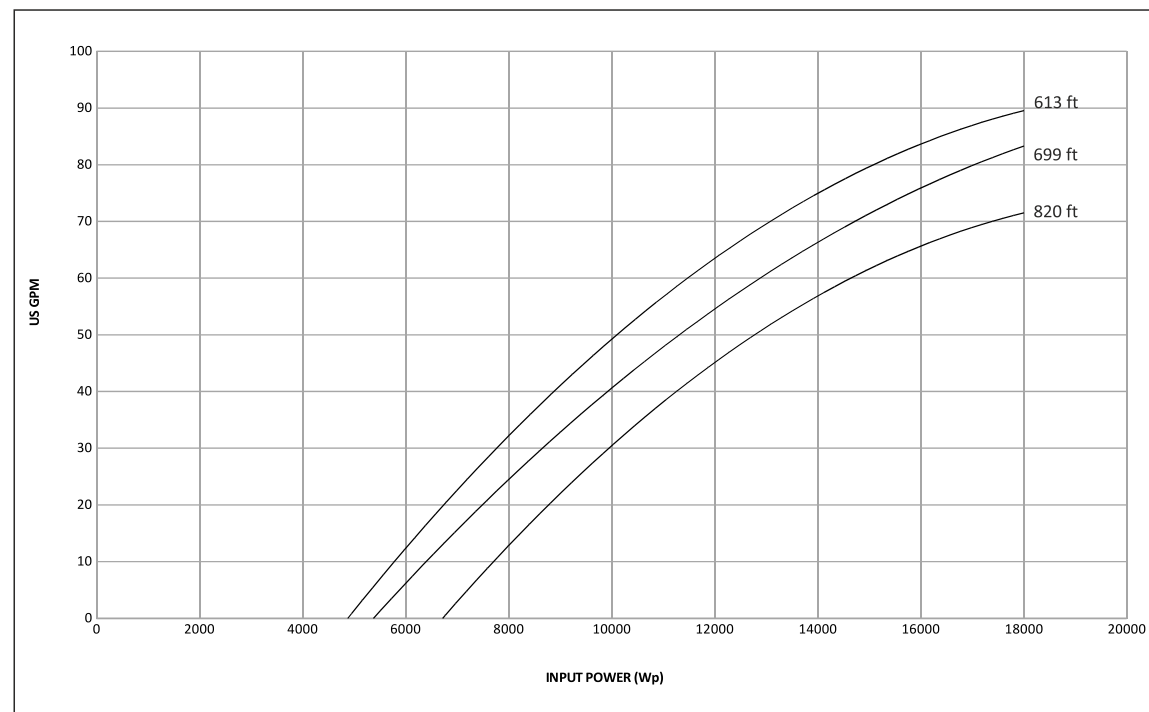
### SOLAR 72 DCSSP 18000

NPT 2" (6X6)

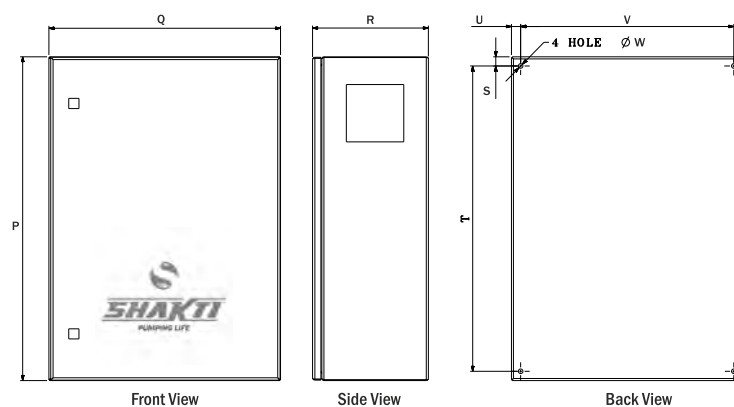
PUMPSET CODE 9500000587

DUTY HEAD 820 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	18000	14300	12250	9300	6950	5500	4800
HEAD (ft)	FLOW IN US GPM						
820	72	57	45	30	0		
699	84	67	54	38	16	0	
613	90	75	65	46	20	7	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

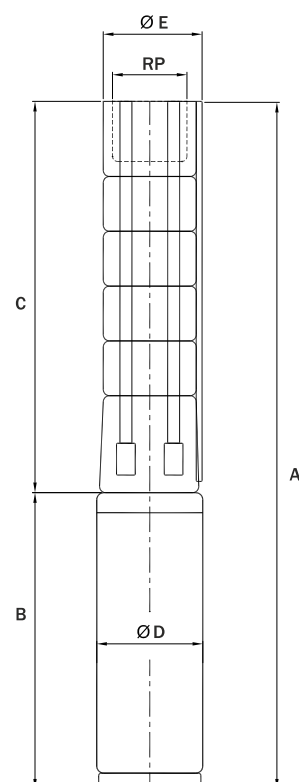
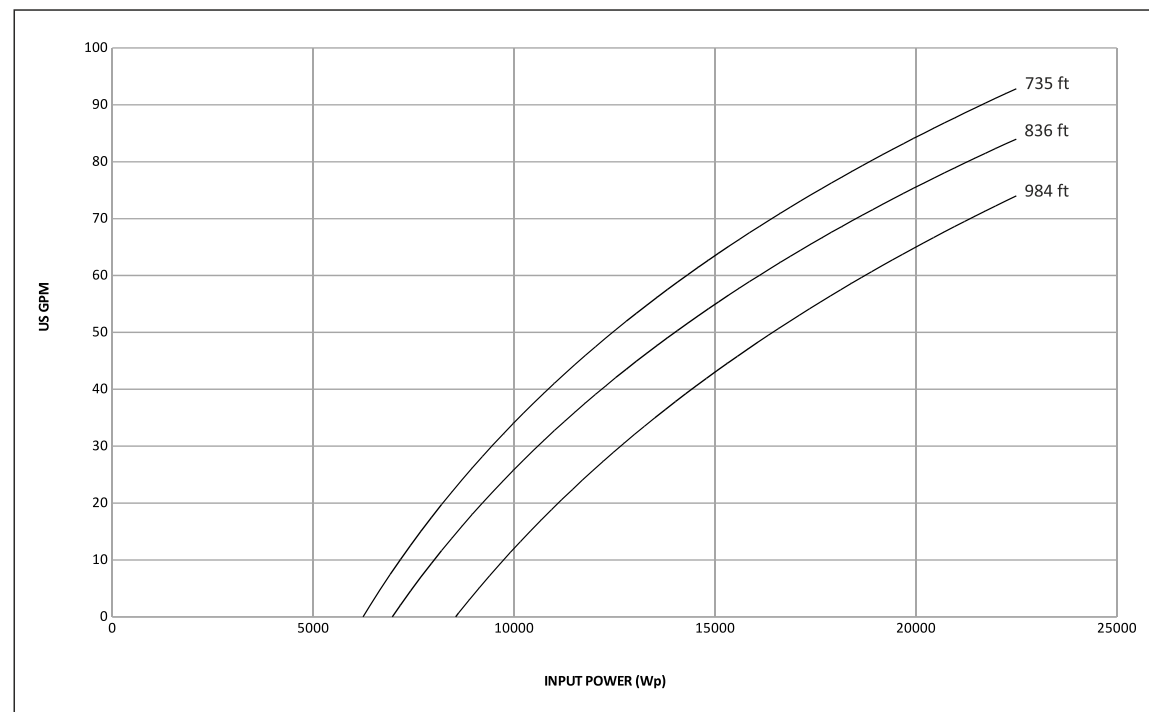
### SOLAR 72 DCSSP 22500

NPT 2" (6X6)

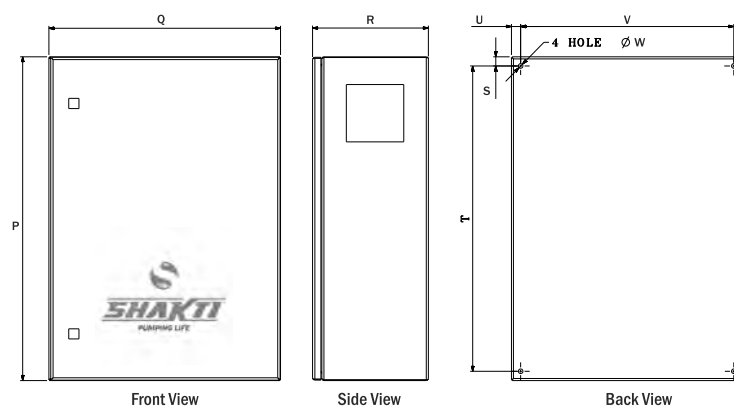
PUMPSET CODE 9500001798

DUTY HEAD 984 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	22500	18000	13500	11200	8989	7200	6500
HEAD (ft)	FLOW IN US GPM						
984	73	56	39	24	0		
836	84	67	47	34	21	0	
735	92	76	56	44	29	11	0



CONTROLLER CODE : 9000024747

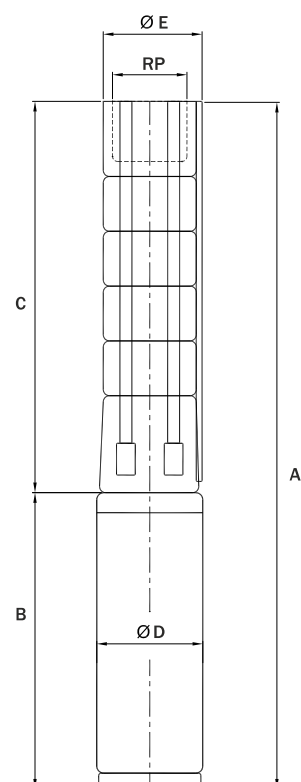
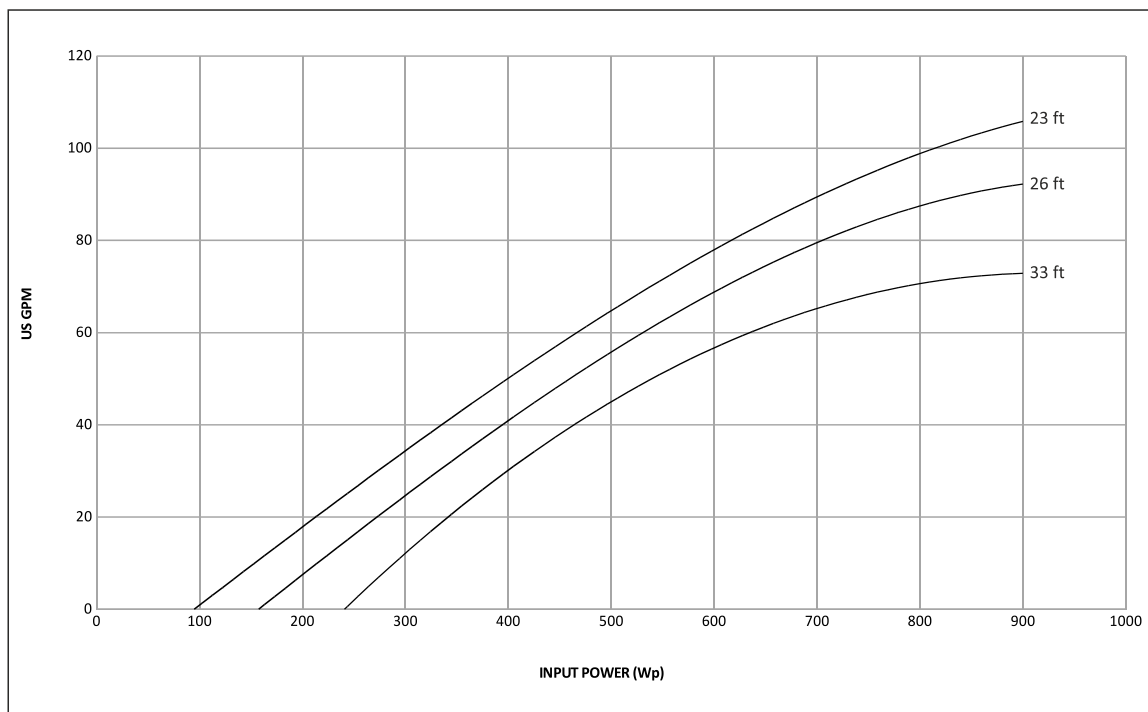
## SOLAR PUMPING SYSTEM

**SOLAR 74 DCSSP 900**

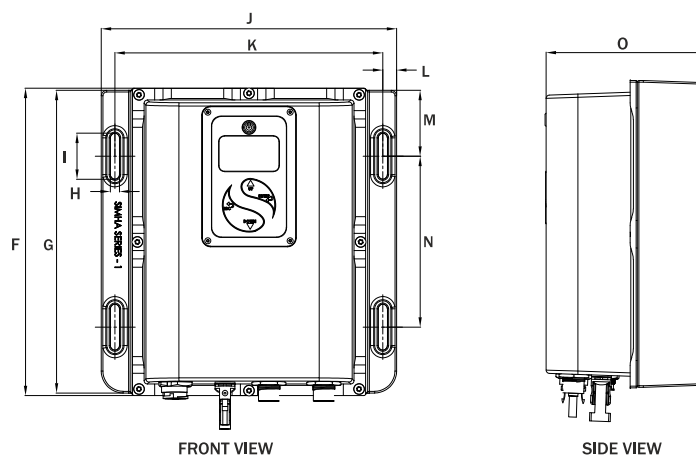
**NPT 2" (4X6)**

**PUMPSET CODE 9500000119**

**DUTY HEAD 33 FEET**



	INPUT POWER (Wp)						
	900	700	550	400	250	150	100
HEAD (ft)	FLOW IN US GPM						
33	74	62	51	34	0		
26	93	78	63	43	13	0	
23	106	89	73	49	26	11	0



CONTROLLER CODE : 9600000065

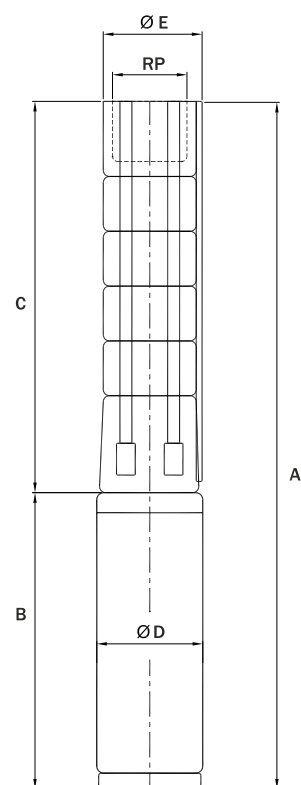
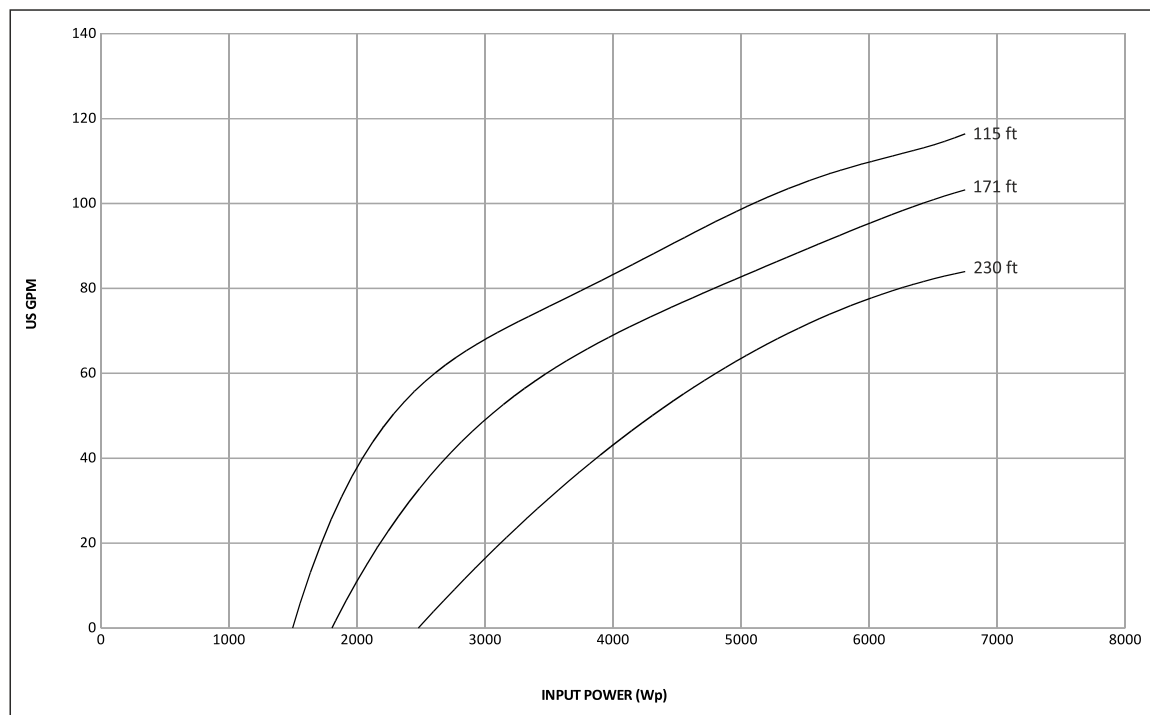
## SOLAR PUMPING SYSTEM

**SOLAR 84 DCSSP 6750**

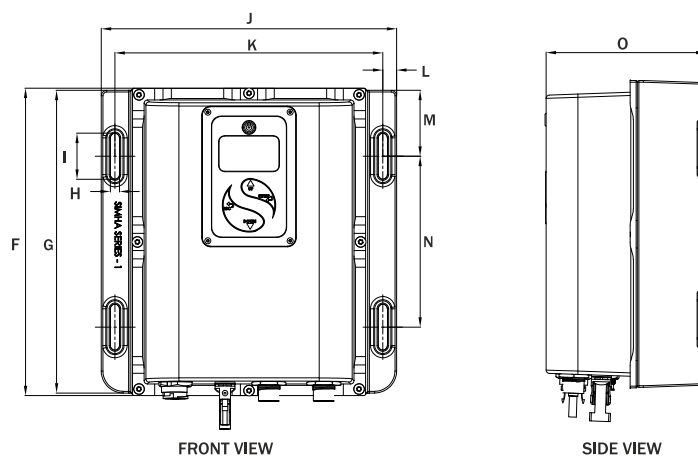
**NPT 2.5" (4X6)**

**PUMPSET CODE 9500000163**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	6750	5450	4100	2700	2550	1800	1500
HEAD (ft)	FLOW IN US GPM						
230	85	69	47	9	0		
171	103	89	70	44	32	0	
115	116	104	85	65	56	26	0



CONTROLLER CODE : 9600000023



## SOLAR PUMPING SYSTEM

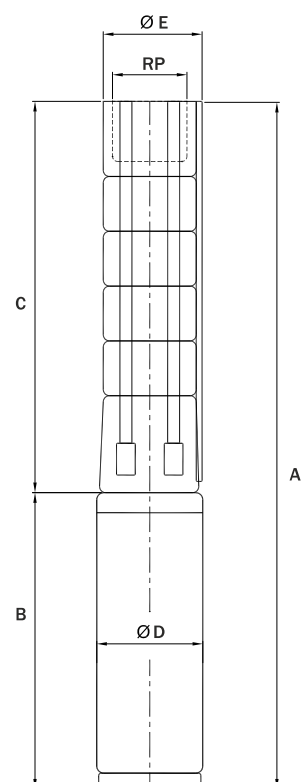
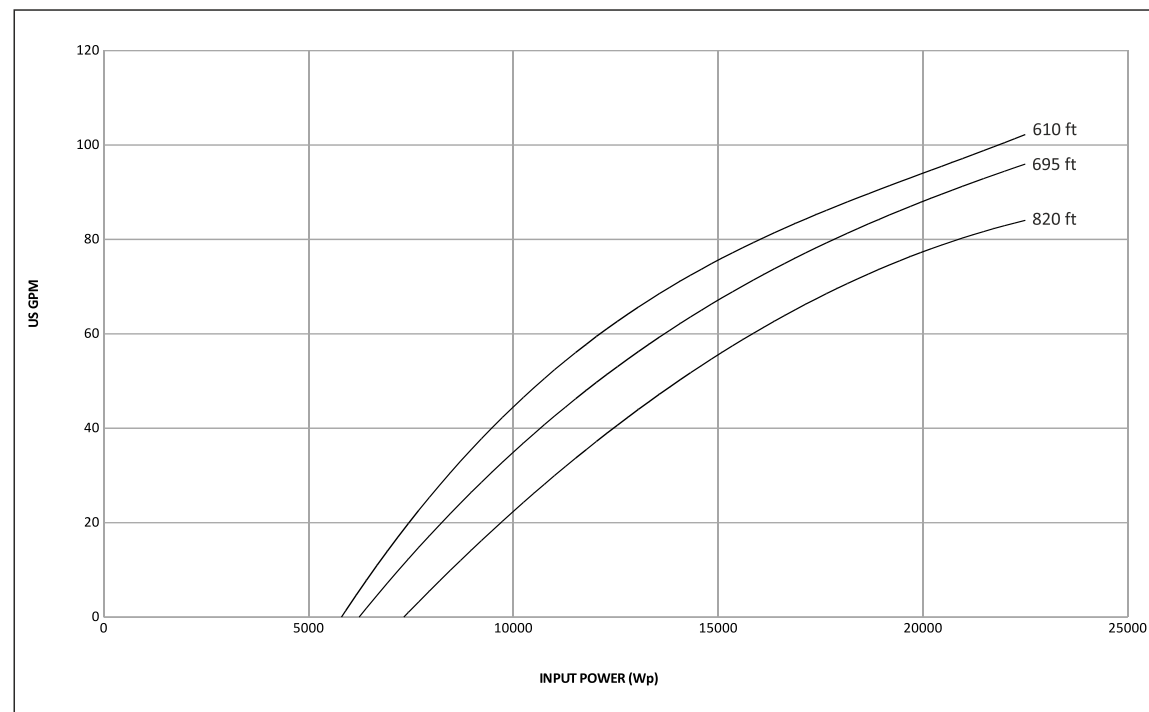
### SOLAR 84 DCSSP 22500

NPT 2" (6X6)

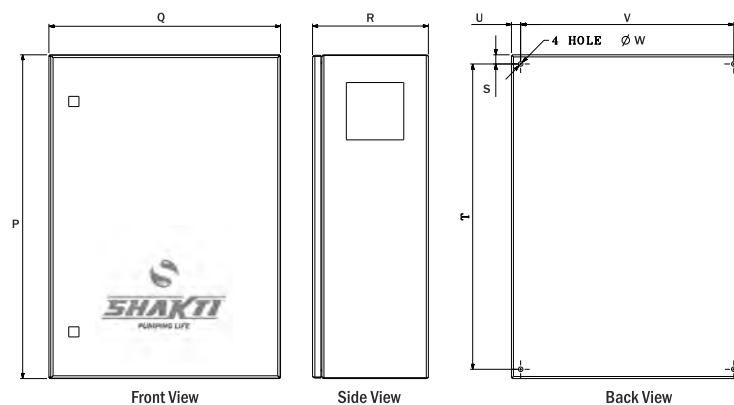
PUMPSET CODE 9500001797

DUTY HEAD 820 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	22500	18000	13500	9400	7600	6200	6000
HEAD (ft)	FLOW IN US GPM						
820	85	69	46	21	0		
695	96	80	59	30	13	0	
610	102	88	67	40	21	8	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

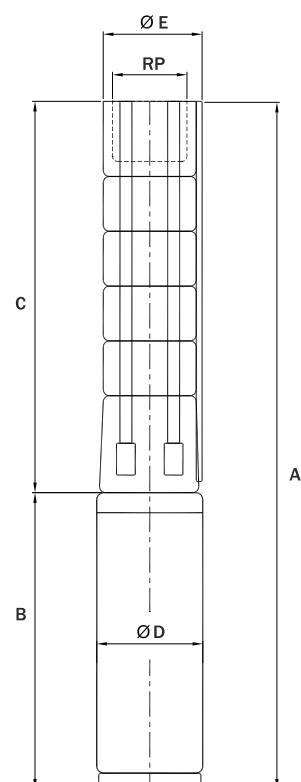
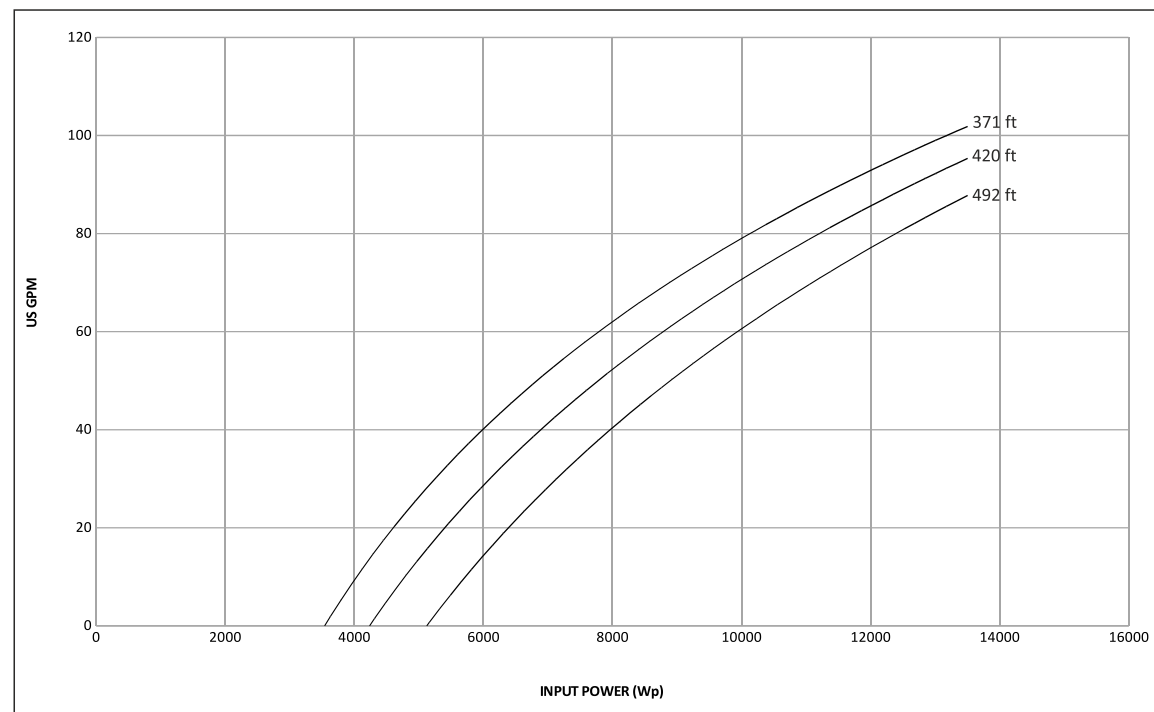
### SOLAR 85 DCSSP 13500

NPT 2" (6X6)

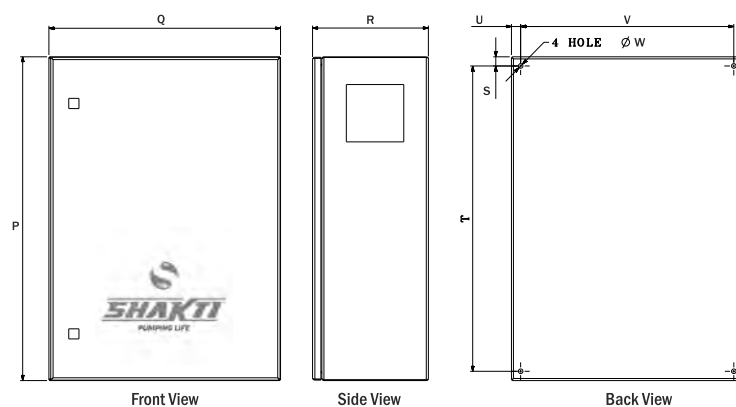
PUMPSET CODE 9500000577

DUTY HEAD 492 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	13500	11450	9550	7500	5300	4250	3650
HEAD (ft)	FLOW IN US GPM						
492	85	72	59	38	0		
420	95	83	66	48	19	0	
371	99	87	77	62	35	11	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

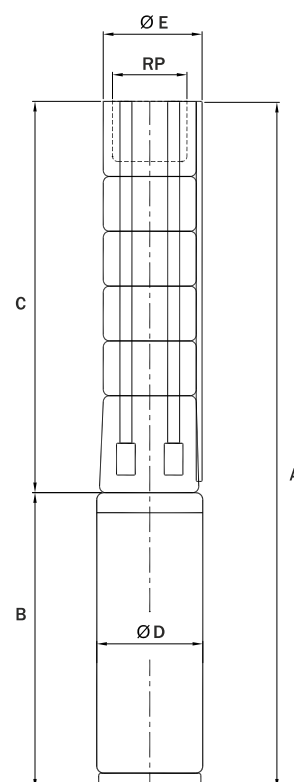
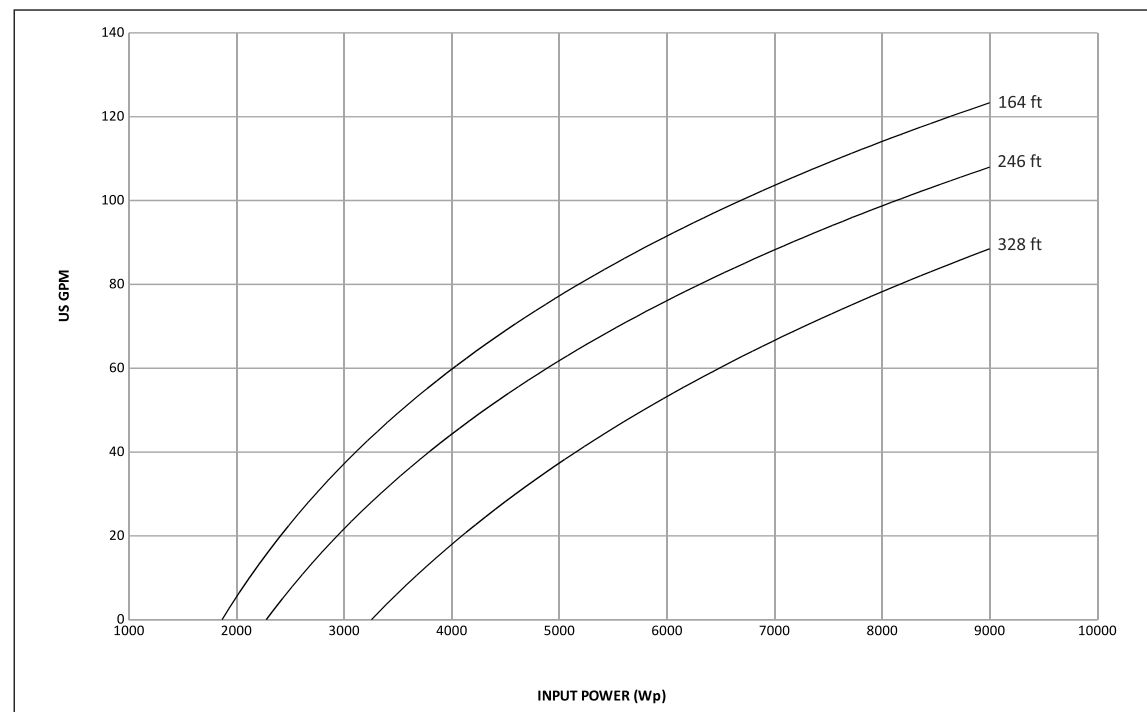
**SOLAR 86 DCSSP 9000**

**NPT 2.5" (6X6)**

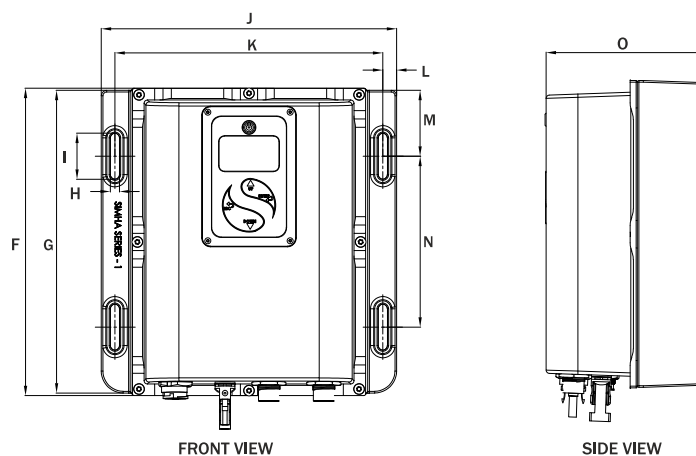
**PUMPSET CODE 9500000174**

**DUTY HEAD 328 FEET**

**CHOKE CODE 9600000025**



	INPUT POWER (Wp)						
	9000	7200	5400	3600	3300	2350	1800
HEAD (ft)	FLOW IN US GPM						
328	87	70	47	8	0		
246	108	90	66	41	29	0	
164	125	108	79	53	40	19	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

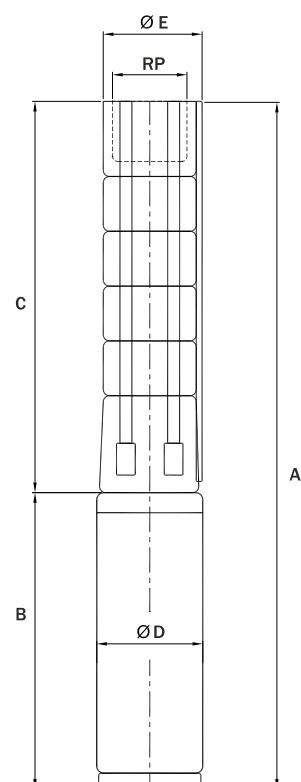
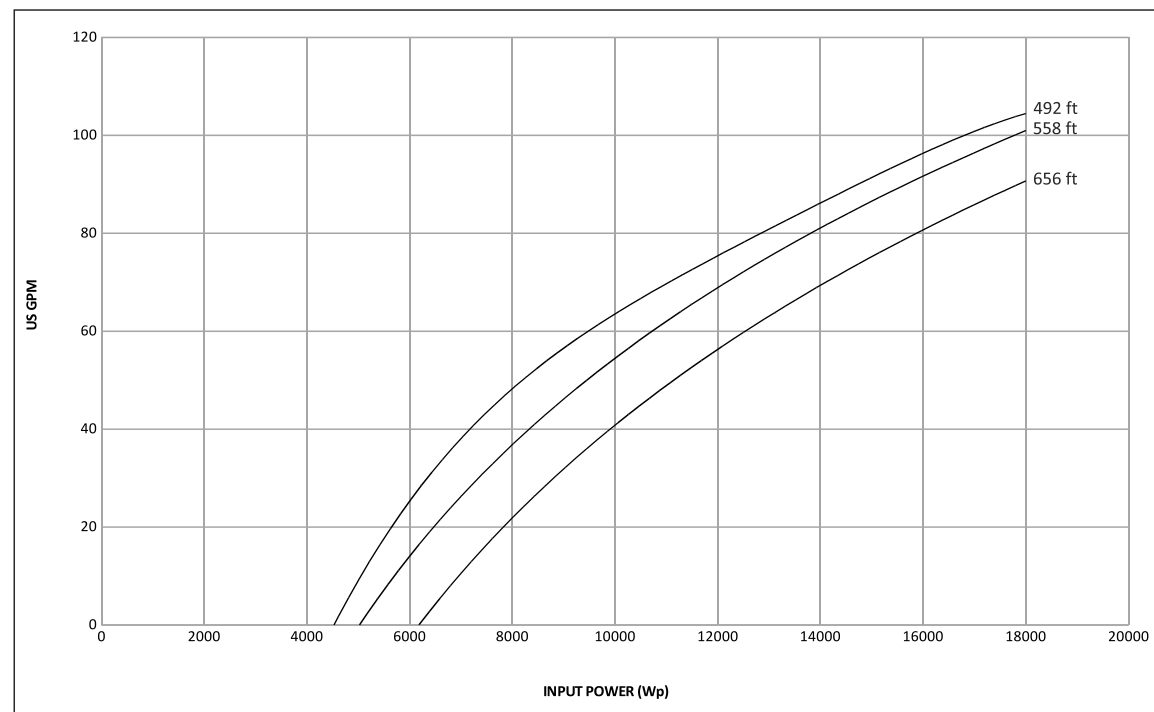
### SOLAR 88 DCSSP 18000

NPT 2" (6X6)

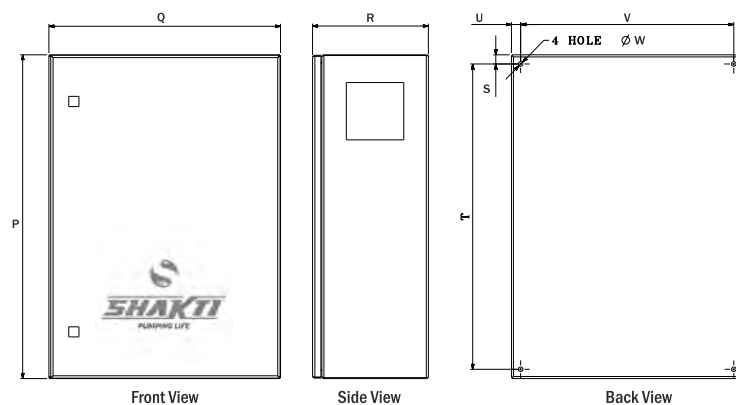
PUMPSET CODE 9500000586

DUTY HEAD 656 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	18000	14250	11700	8550	6350	5100	4600
HEAD (ft)	FLOW IN US GPM						
656	89	71	57	29	0		
558	98	85	69	42	19	0	
492	104	87	74	53	29	13	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

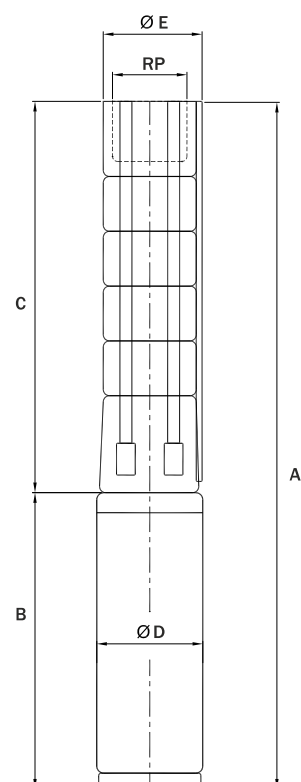
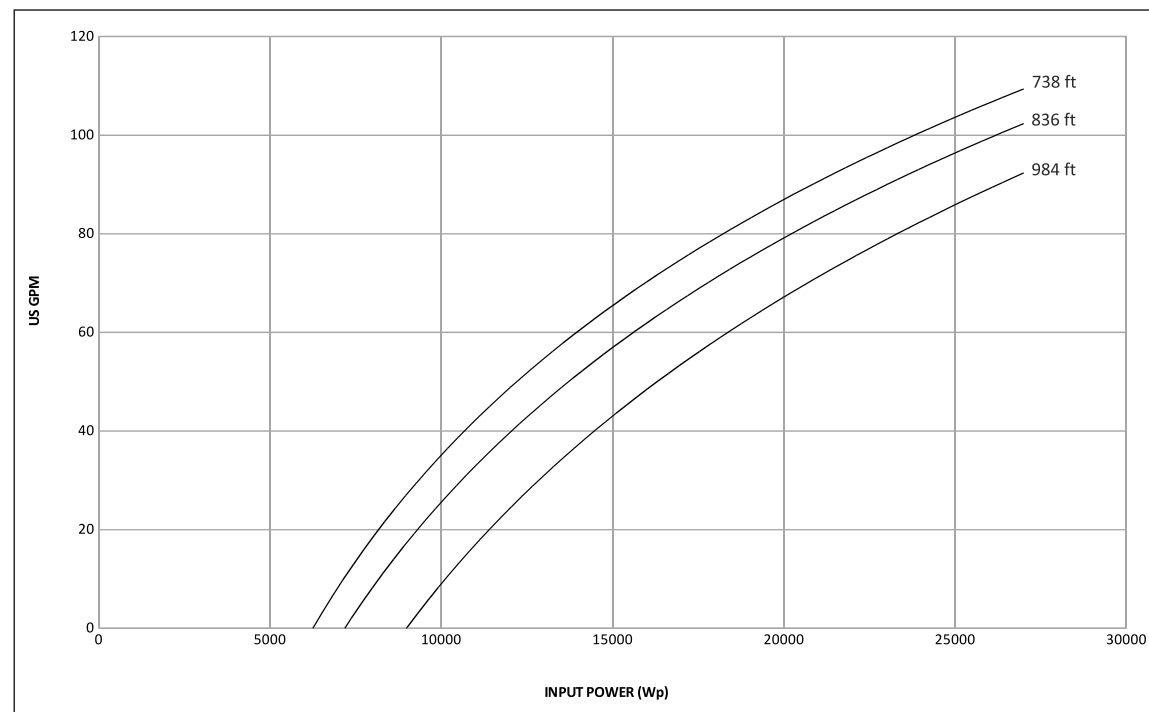
### SOLAR 90 DCSSP 27000

NPT 2" (6X6)

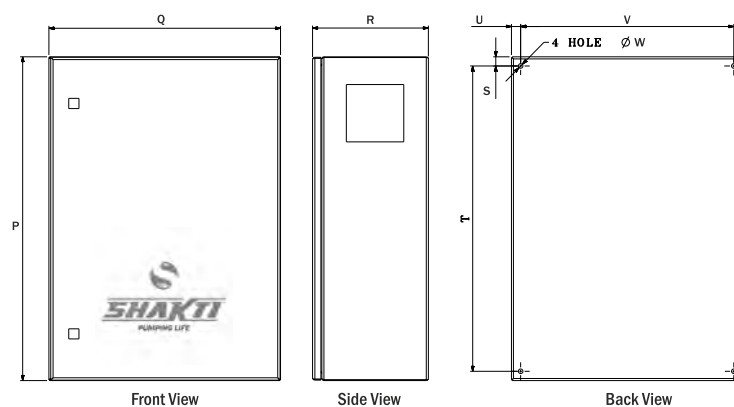
PUMPSET CODE 9500001806

DUTY HEAD 984 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	27000	19250	15000	13400	9350	7400	6400
HEAD (ft)	FLOW IN US GPM						
984	91	63	44	38	0		
836	101	74	62	48	21	0	
738	106	84	70	58	32	11	0



CONTROLLER CODE : 9000025381

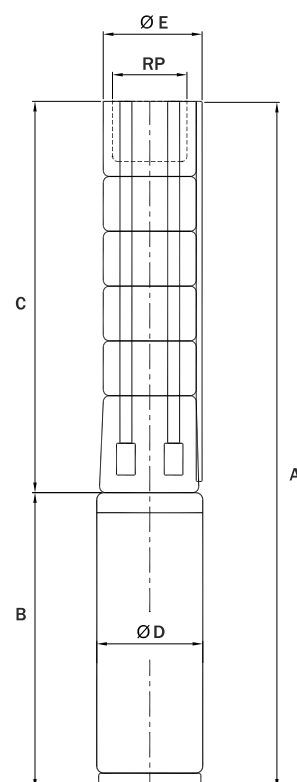
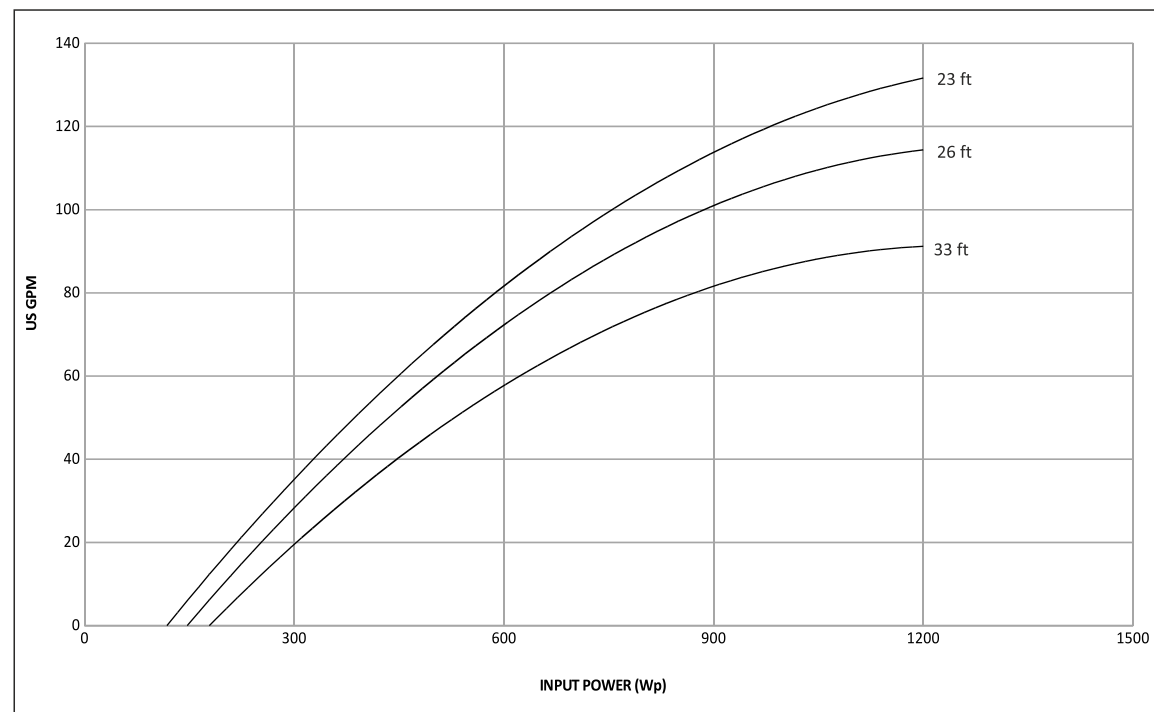
# SOLAR PUMPING SYSTEM

SOLAR 91 DCSSP 1200

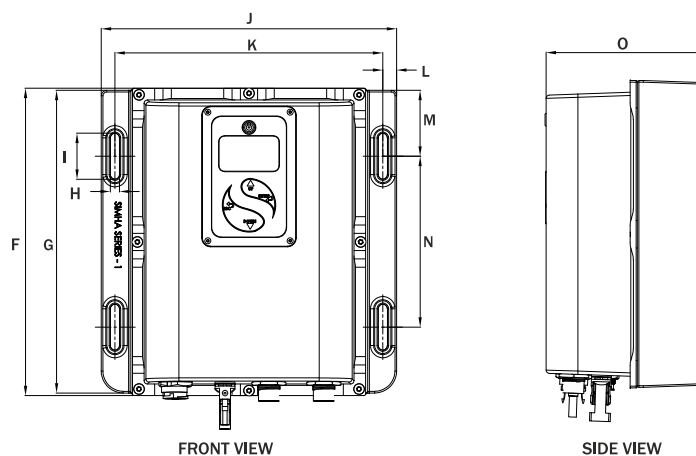
NPT 2" (4X6)

PUMPSET CODE 9500000120

DUTY HEAD 33 FEET



	INPUT POWER (Wp)						
	1200	850	600	250	200	150	100
HEAD (ft)	FLOW IN US GPM						
33	92	77	59	16	0		
26	115	96	73	20	11	0	
23	131	110	84	22	15	7	0



CONTROLLER CODE : 9600000065

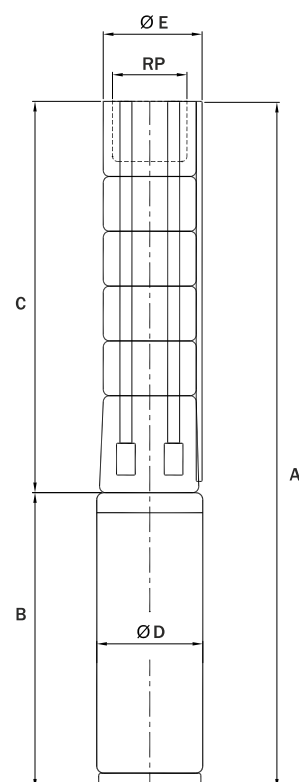
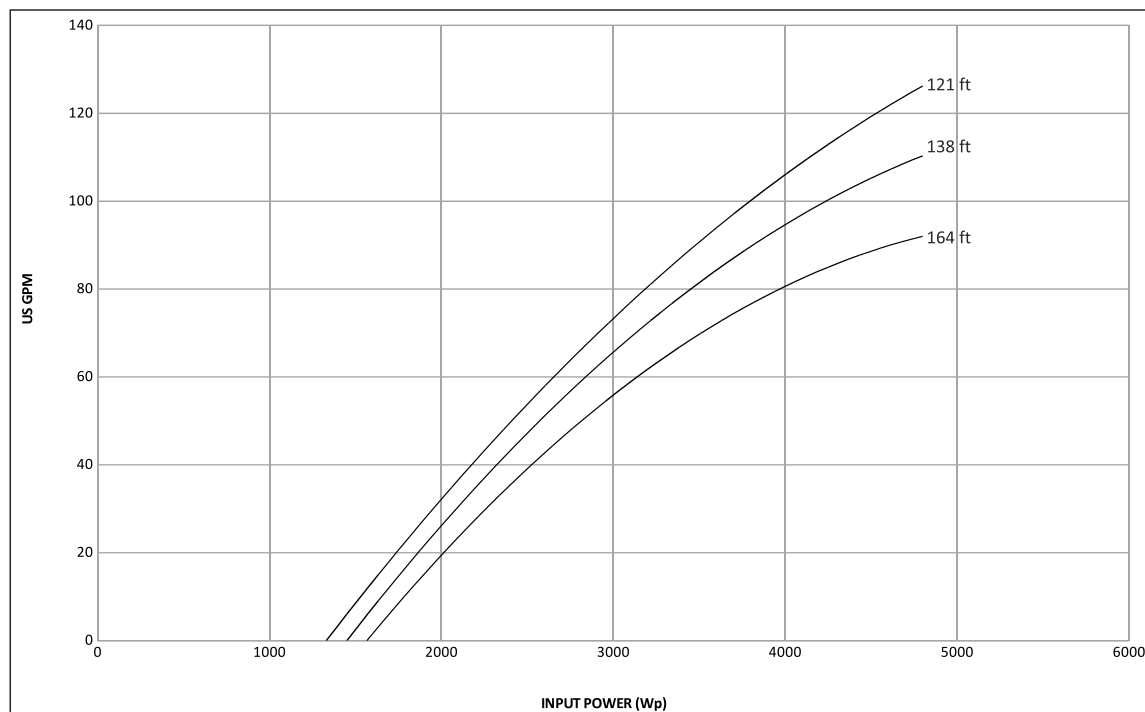
## SOLAR PUMPING SYSTEM

**SOLAR 92 DCSSP 4800**

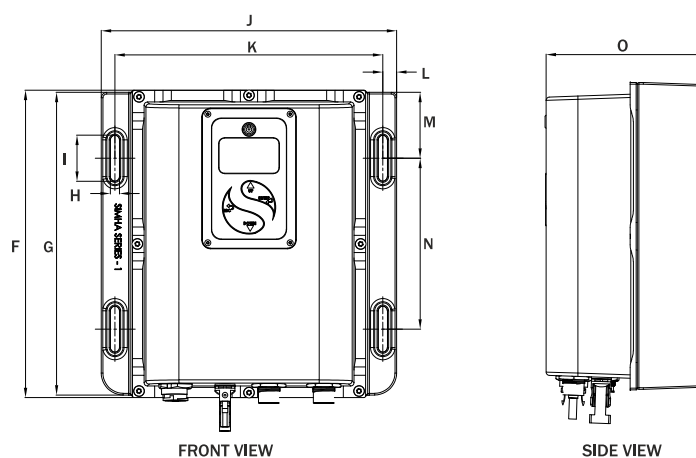
**NPT 2.5" (4X6)**

**PUMPSET CODE 9500000152**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	4800	3800	2900	1900	1600	1400	1250
HEAD (ft)	FLOW IN US GPM						
164	93	75	53	17	0		
138	110	89	64	20	5	0	
121	125	102	72	23	11	4	0



CONTROLLER CODE : 9600000005

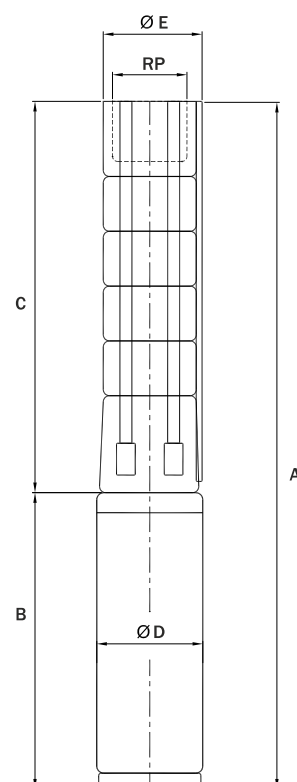
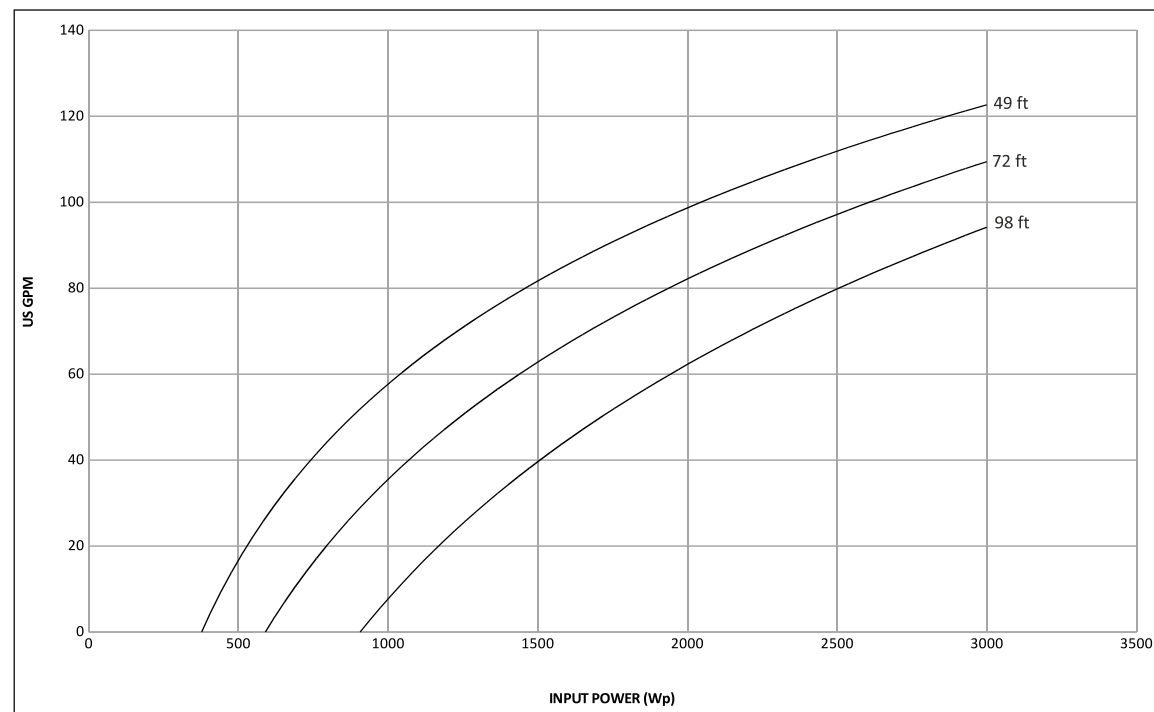
# SOLAR PUMPING SYSTEM

SOLAR 93 DCSSP 3000

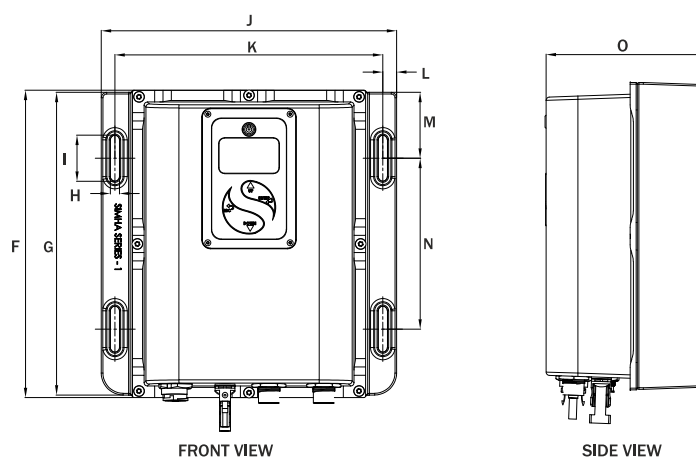
NPT 2.5" (4X6)

PUMPSET CODE 9500000131

DUTY HEAD 98 FEET



	INPUT POWER (Wp)						
	3000	2450	1850	1200	900	600	400
HEAD (ft)	FLOW IN US GPM						
98	94	78	57	21	0		
72	109	95	76	51	28	0	
49	120	110	94	71	57	26	0



CONTROLLER CODE : 9600000005



## SOLAR PUMPING SYSTEM

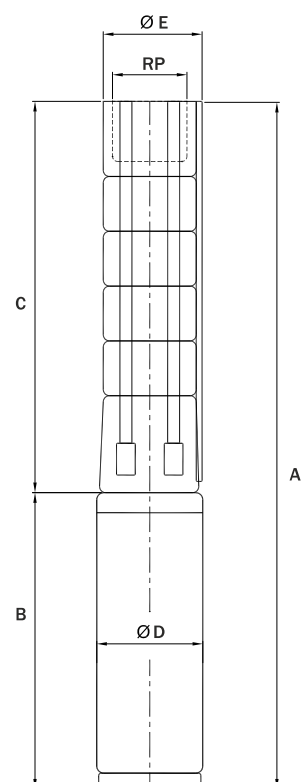
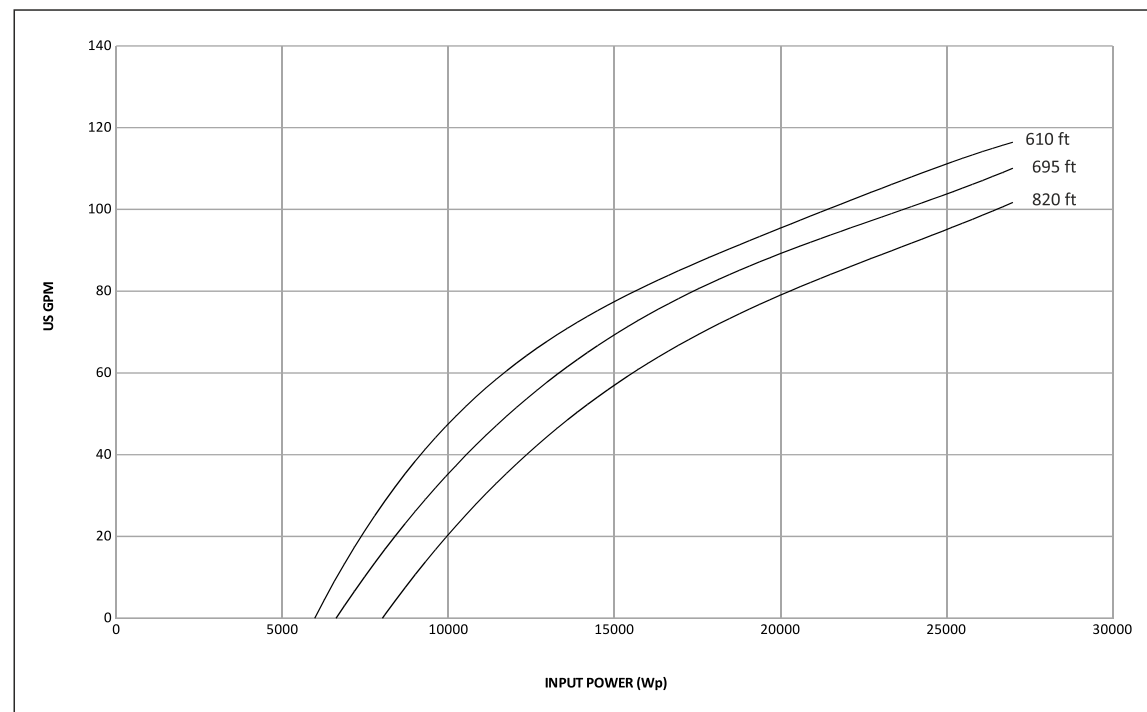
### SOLAR 101 DCSSP 27000

NPT 2" (6X6)

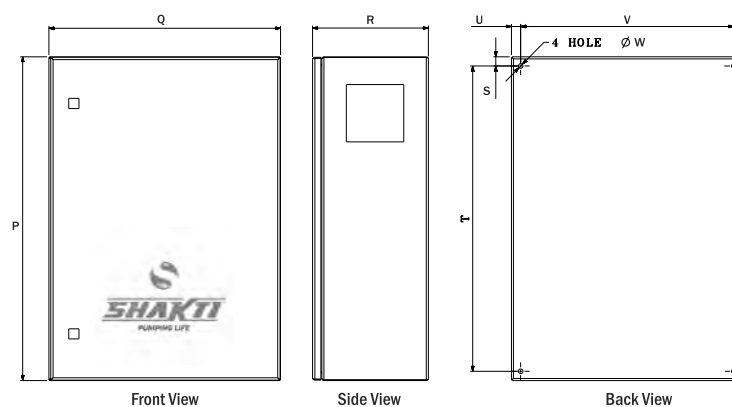
PUMPSET CODE 9500001805

DUTY HEAD 820 FEET

CHOKE CODE 9000025821



	INPUT POWER (Wp)						
	27000	21600	16200	10750	8050	6500	6000
HEAD (ft)	FLOW IN US GPM						
820	102	85	62	28	0		
695	110	94	74	44	13	0	
610	116	101	82	55	26	9	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

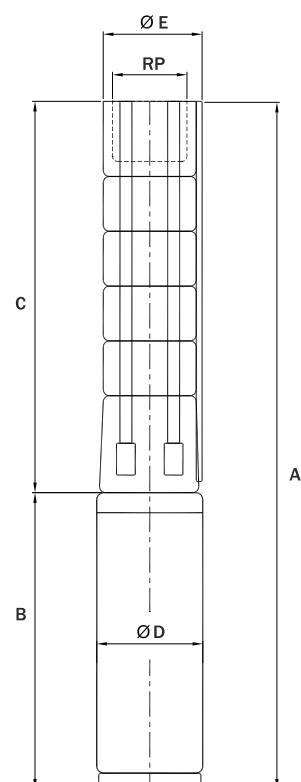
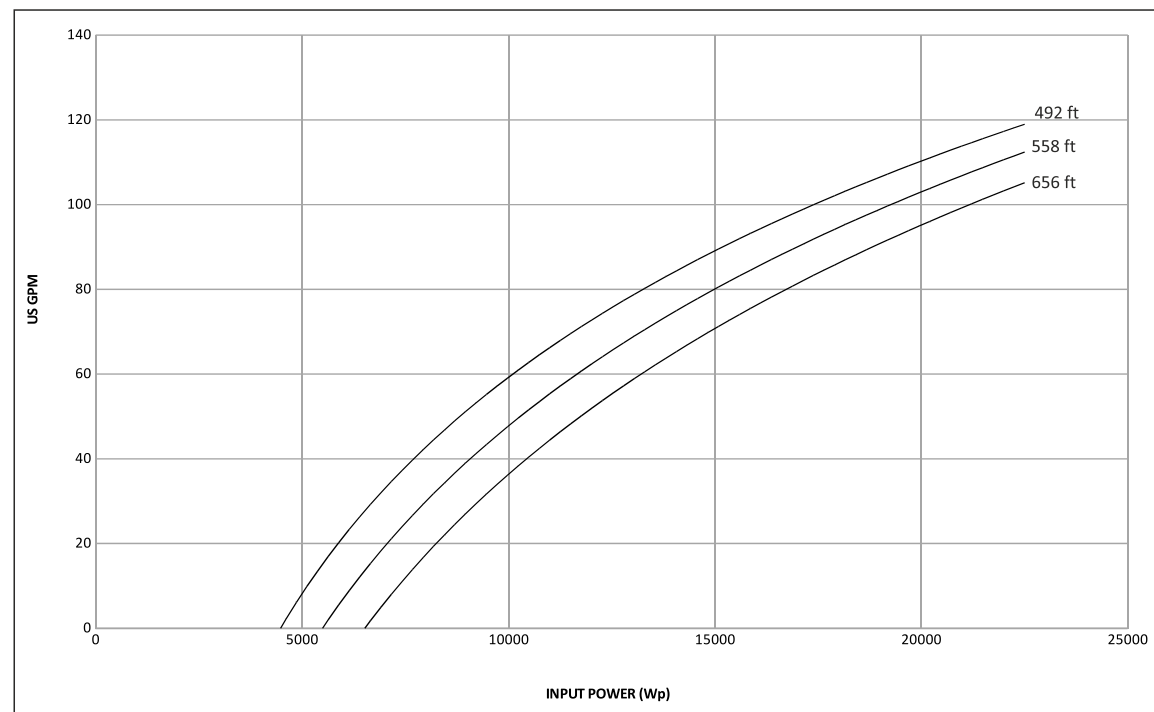
### SOLAR 103 DCSSP 22500

NPT 2" (6X6)

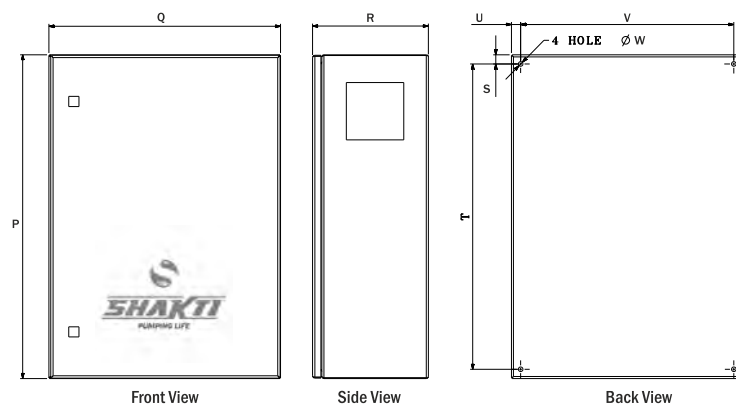
PUMPSET CODE 9500001796

DUTY HEAD 656 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	22500	18000	13500	11200	6700	5600	4700
HEAD (ft)	FLOW IN US GPM						
656	103	86	63	49	0		
558	112	95	75	53	19	0	
492	117	102	82	69	34	16	0



CONTROLLER CODE : 9000024747

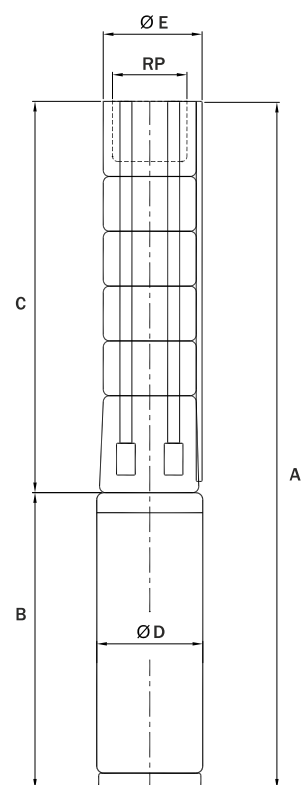
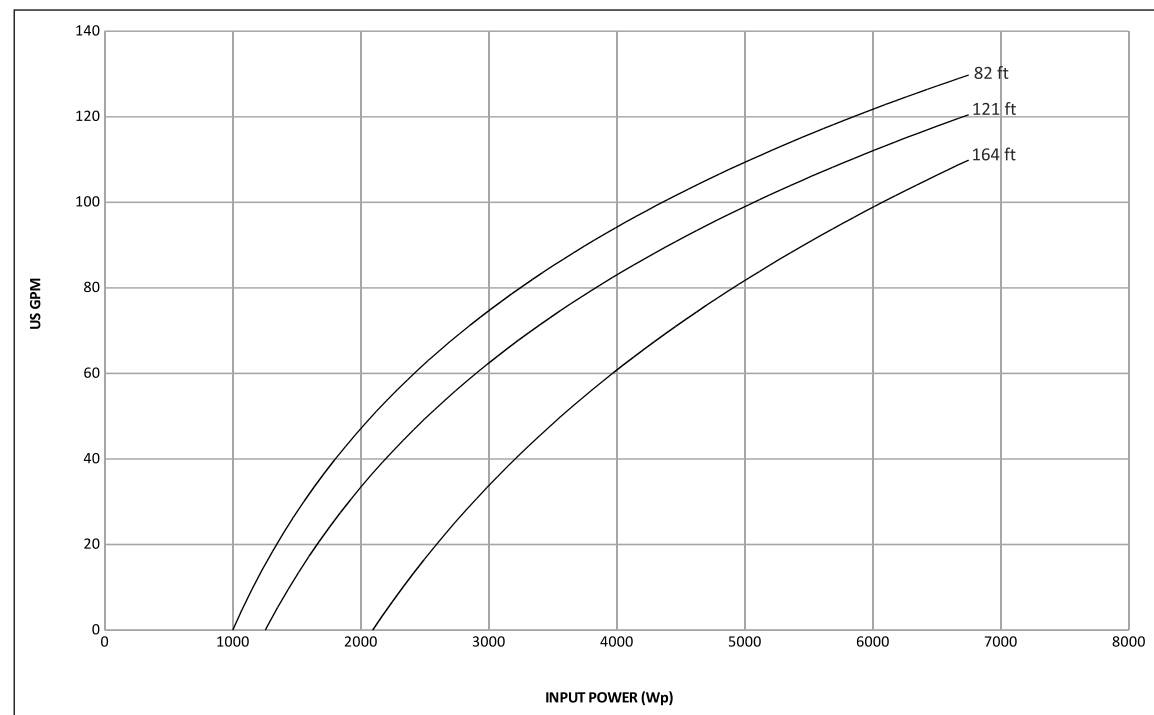
## SOLAR PUMPING SYSTEM

**SOLAR 104 DCSSP 6750**

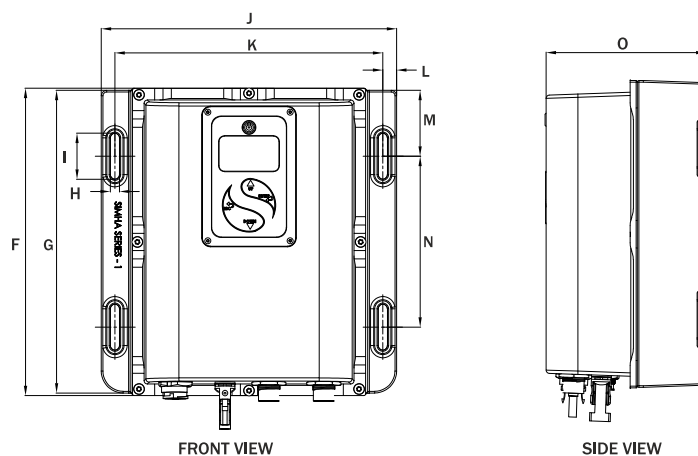
**NPT 2.5" (4X6)**

**PUMPSET CODE 9500000162**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	6750	5450	4100	2700	2200	1500	1000
HEAD (ft)	FLOW IN US GPM						
164	104	90	71	25	0		
121	116	103	86	63	50	0	
82	126	114	98	78	53	21	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

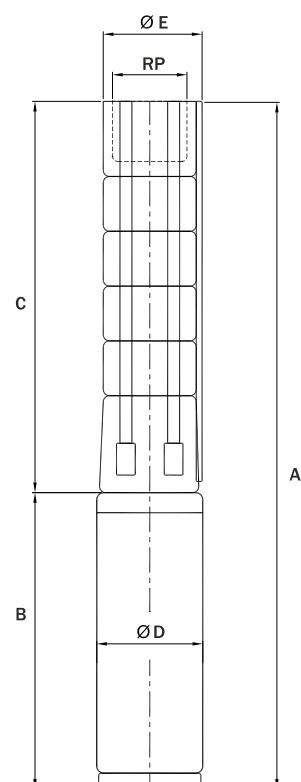
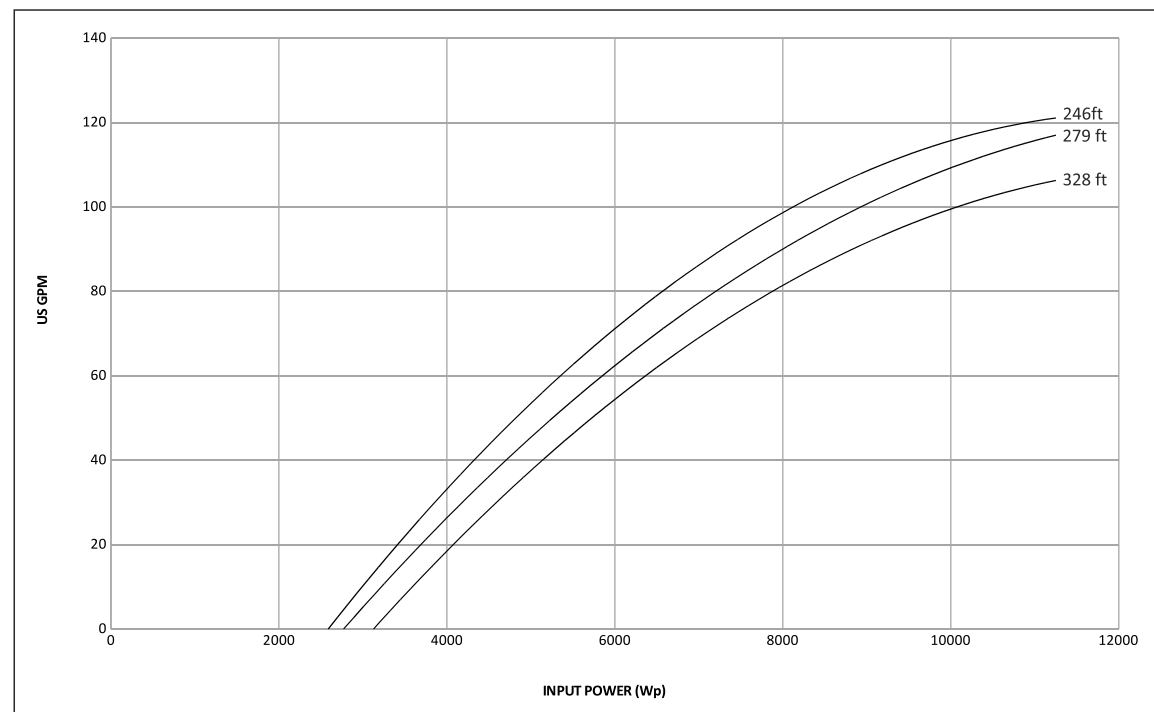
### SOLAR 107 DCSSP 11250

NPT 2.5" (6X6)

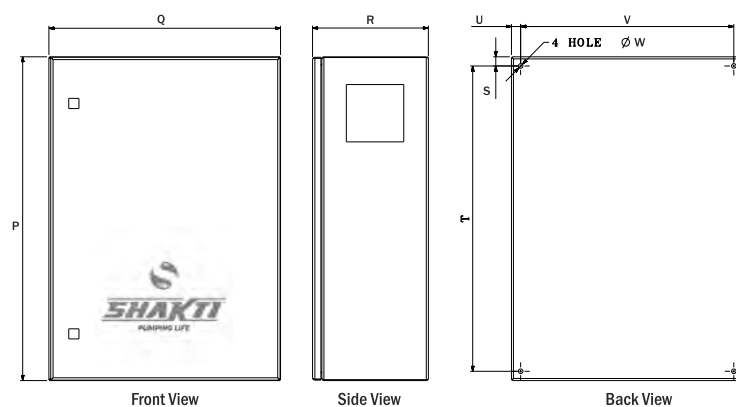
PUMPSET CODE 9500000142

DUTY HEAD 328 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	11250	8950	6750	4500	3200	3000	2800
HEAD (ft)	FLOW IN US GPM						
328	107	89	66	31	0		
279	117	100	71	40	13	0	
246	122	106	81	48	20	9	0



CONTROLLER CODE : 9000024747

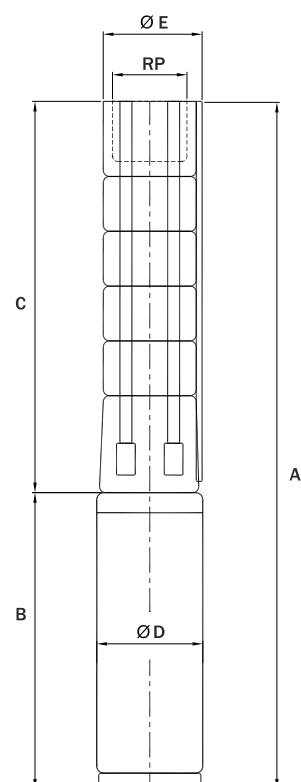
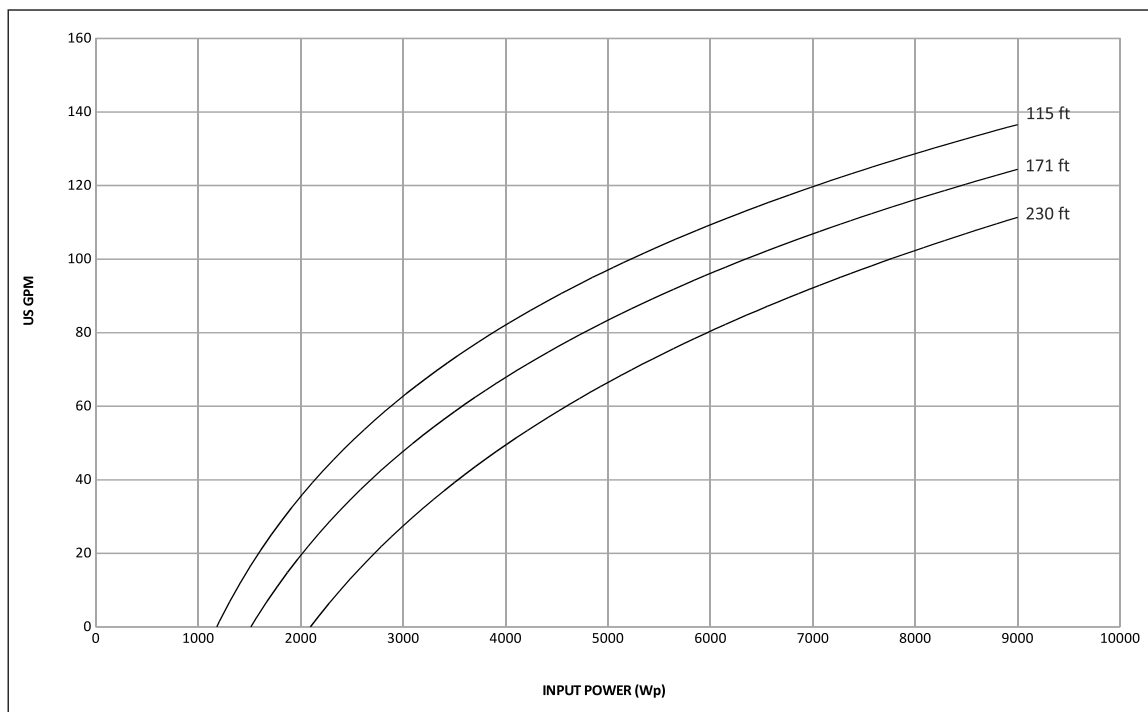
## SOLAR PUMPING SYSTEM

**SOLAR 109 DCSSP 9000**

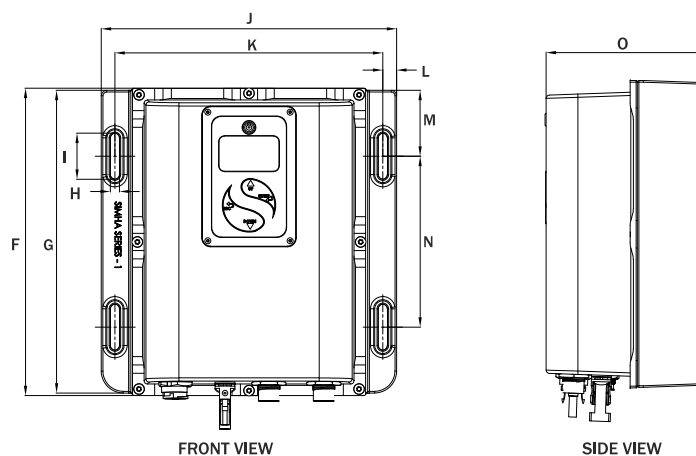
**NPT 2.5" (6X6)**

**PUMPSET CODE 9500000173**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	9000	7200	5400	3600	2150	1600	1200
HEAD (ft)	FLOW IN US GPM						
230	110	94	74	44	0		
171	122	108	90	64	26	0	
115	134	120	103	82	40	19	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

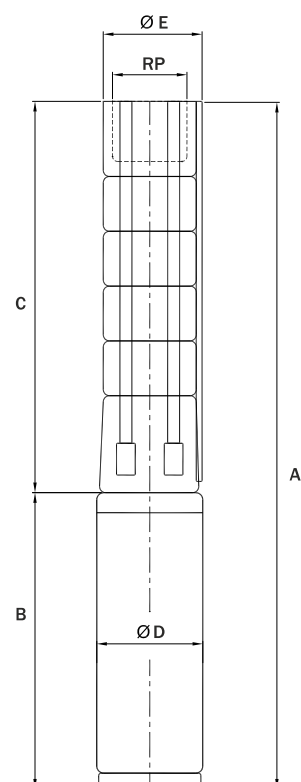
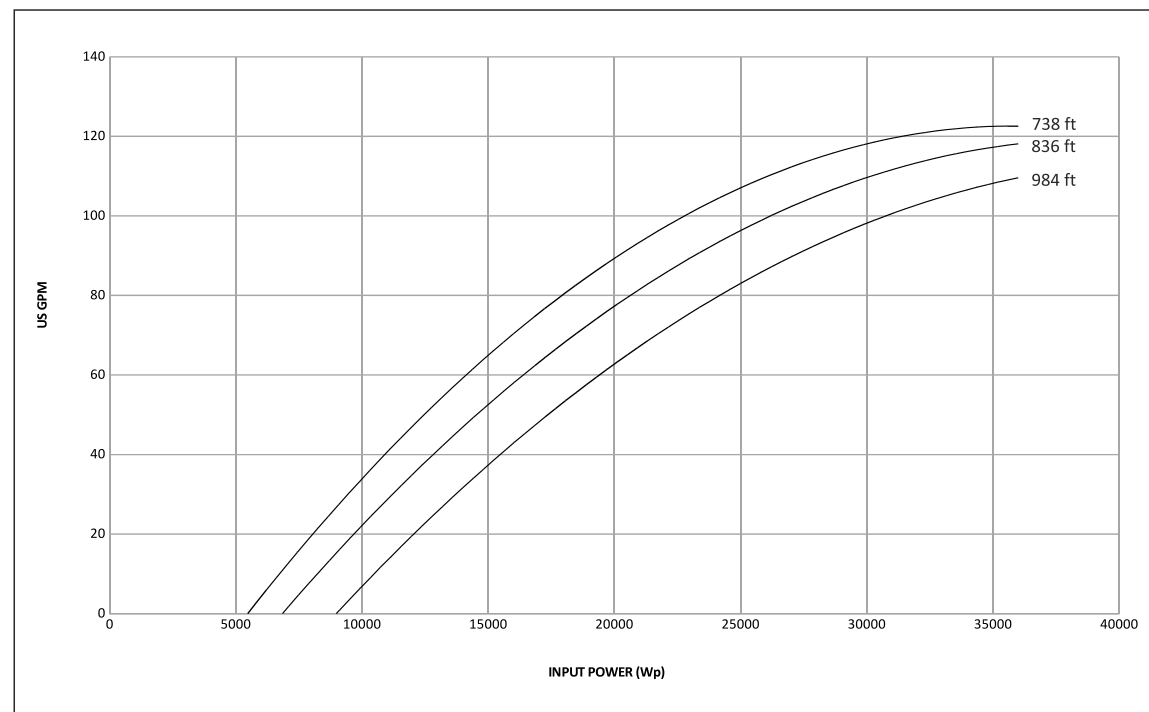
### SOLAR 110 DCSSP 36000

NPT 2" (8X6)

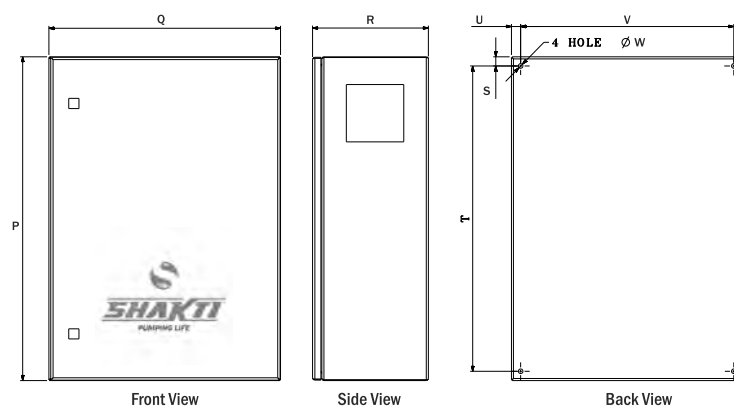
PUMPSET CODE 9500001814

DUTY HEAD 984 FEET

CHOKE CODE 9000025821



	INPUT POWER (Wp)						
	36000	30050	25400	20850	9050	7200	6000
HEAD (ft)	FLOW IN US GPM						
984	111	97	83	69	0		
836	119	108	97	82	19	0	
738	123	119	106	93	32	15	0



CONTROLLER CODE : 9000025381

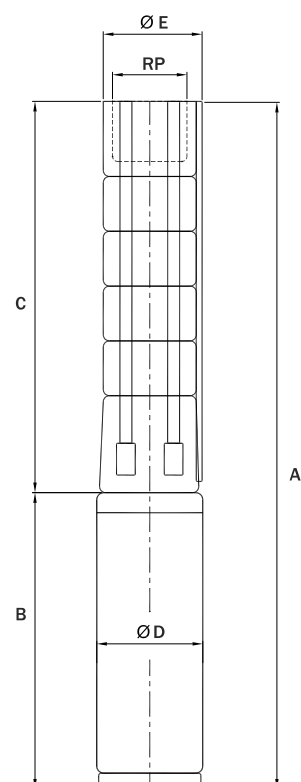
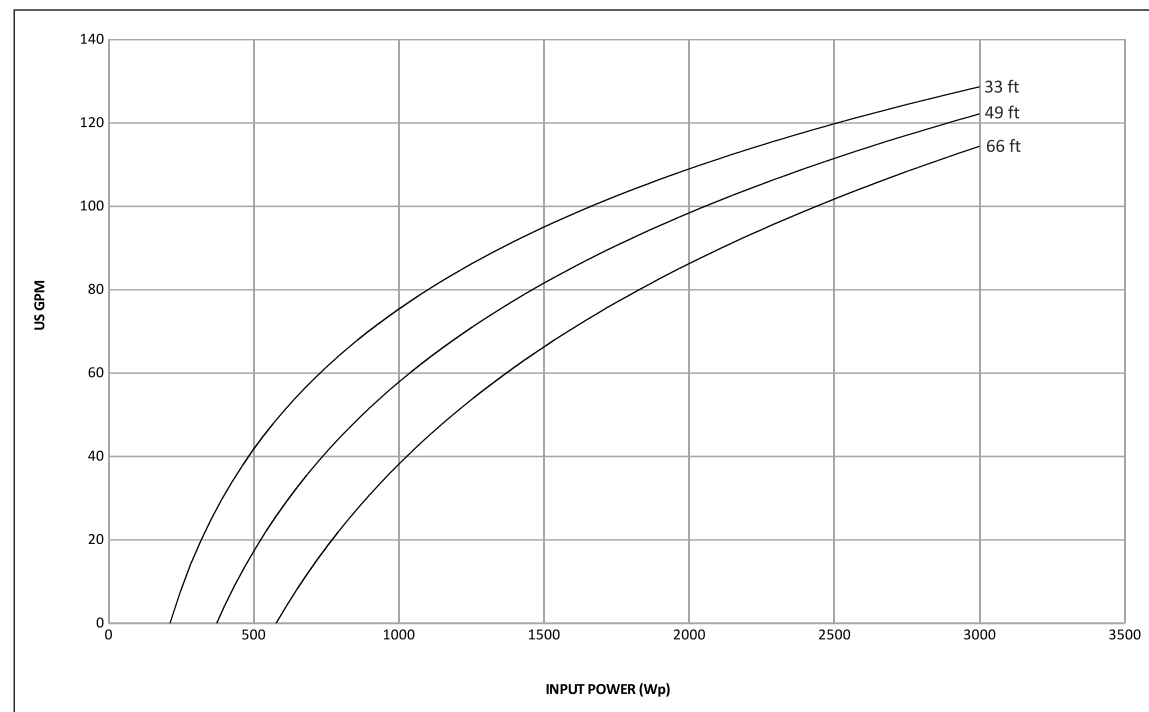
## SOLAR PUMPING SYSTEM

**SOLAR 113 DCSSP 3000**

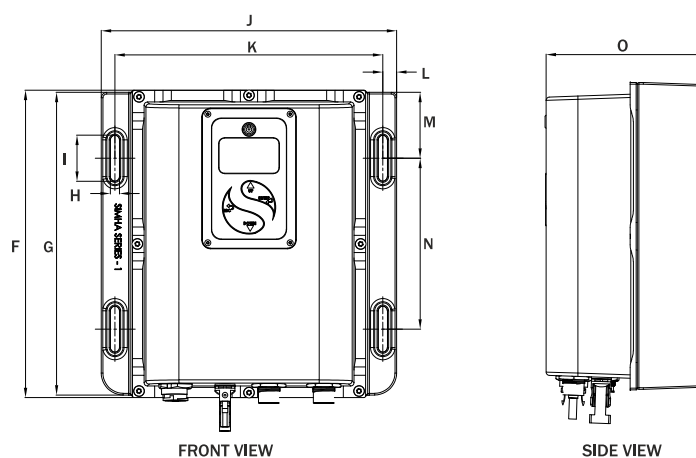
**NPT 2.5" (4X6)**

**PUMPSET CODE 9500000144**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	3000	2450	1850	1200	600	400	200
HEAD (ft)	FLOW IN US GPM						
66	113	99	81	56	0		
49	121	110	94	71	32	0	
33	131	119	103	83	53	26	0



CONTROLLER CODE : 9600000005

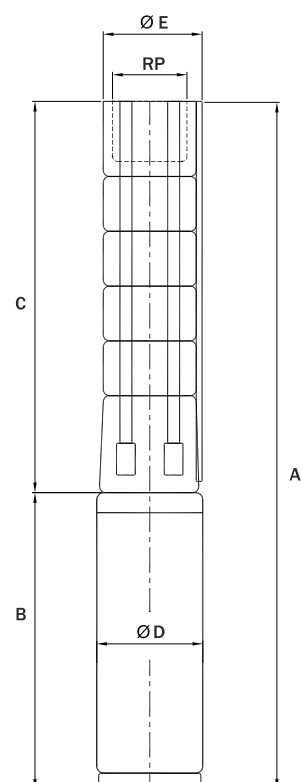
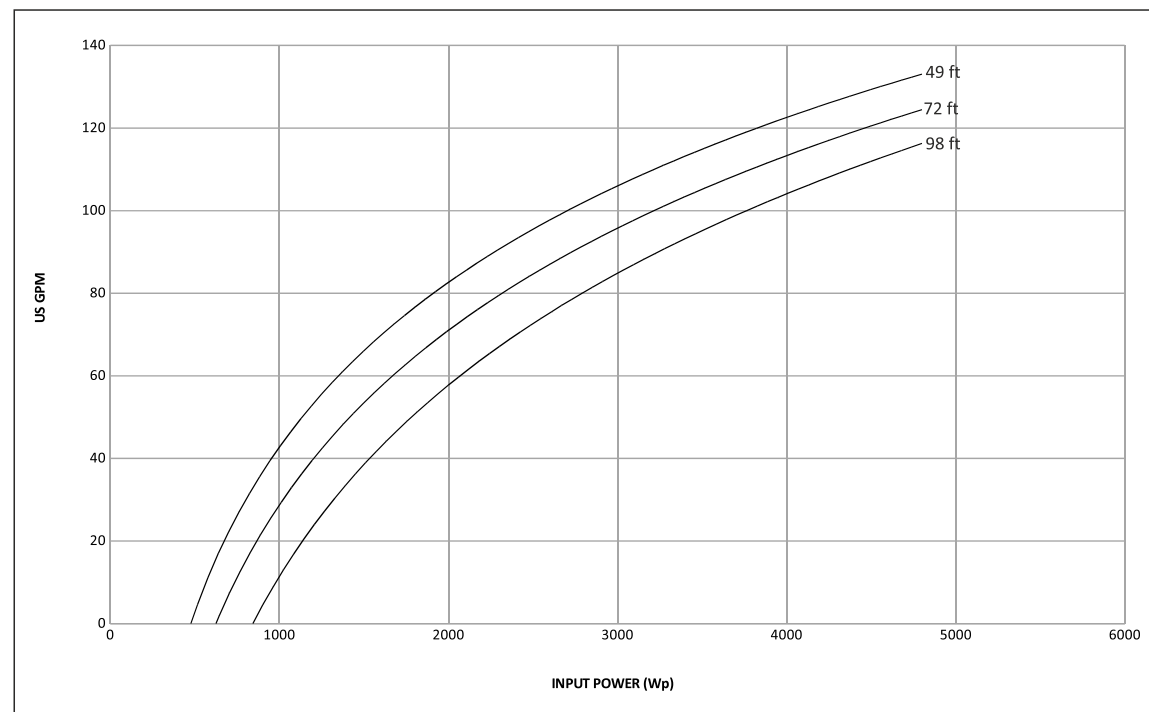
## SOLAR PUMPING SYSTEM

**SOLAR 114 DCSSP 4800**

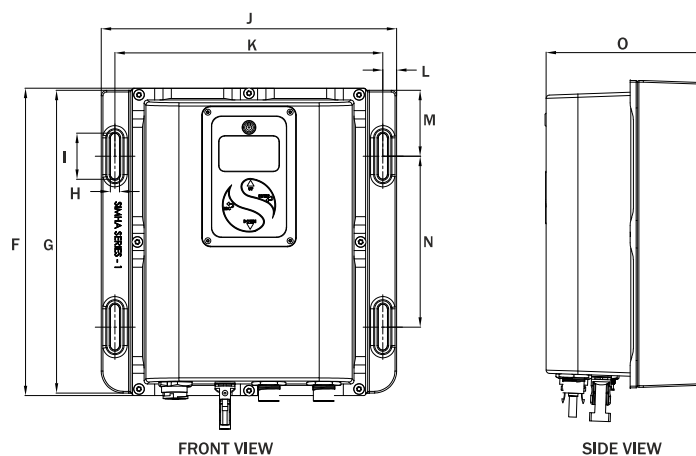
**NPT 3" (6X6)**

**PUMPSET CODE 9500000150**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	4800	3850	2400	1450	900	700	500
HEAD (ft)	FLOW IN US GPM						
98	114	101	72	41	0		
72	123	111	79	58	26	0	
49	131	119	93	71	40	19	0



CONTROLLER CODE : 9600000005



## SOLAR PUMPING SYSTEM

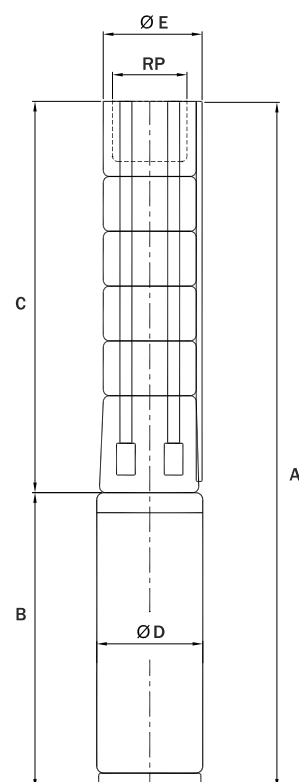
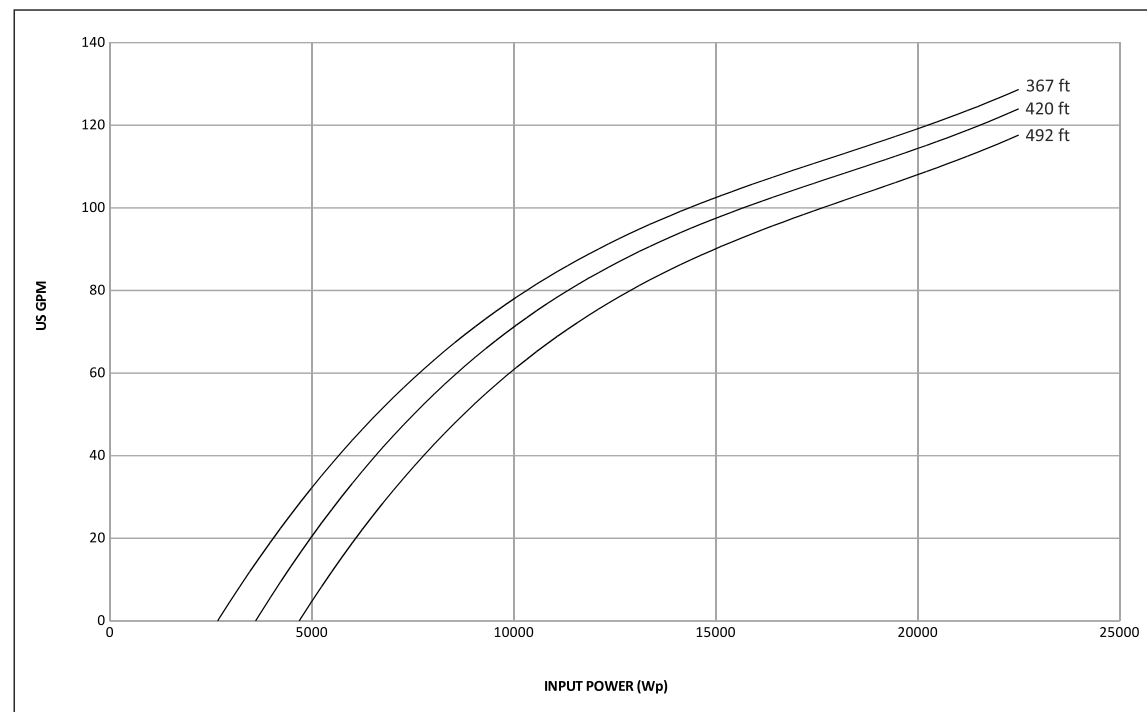
### SOLAR 117 DCSSP 22500

NPT 2" (6X6)

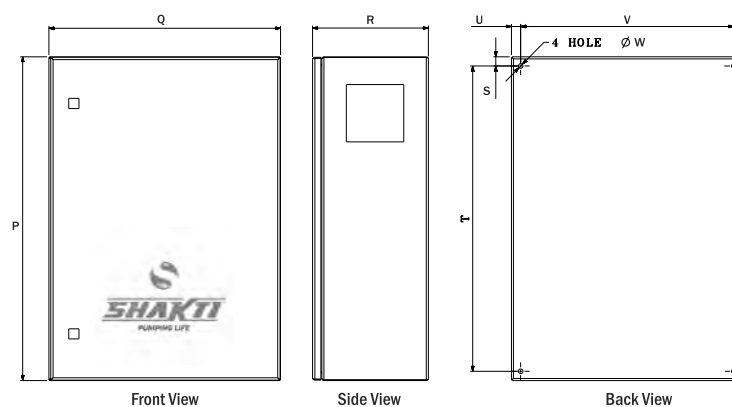
PUMPSET CODE 9500000590

DUTY HEAD 492 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	22500	18000	13450	9000	4700	3600	2800
HEAD (ft)	FLOW IN US GPM						
492	117	102	82	53	0		
420	124	108	90	64	16	0	
367	128	114	95	71	29	16	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

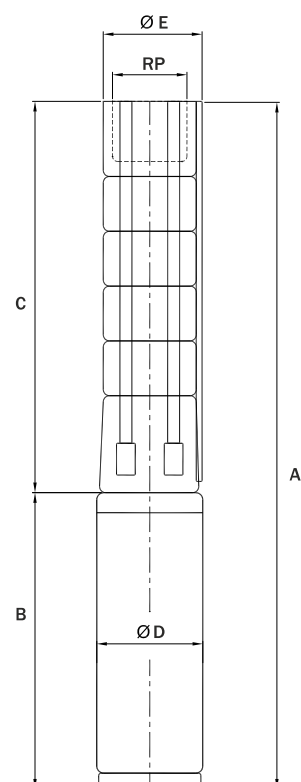
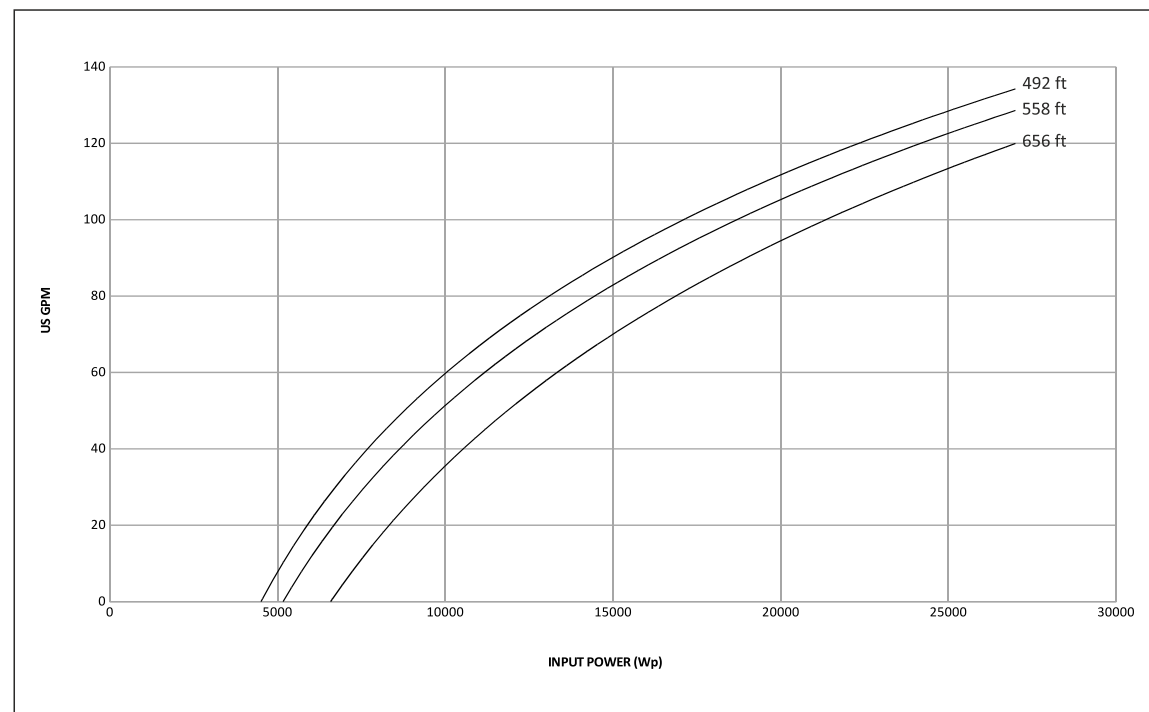
### SOLAR 117 DCSSP 27000

NPT 2" (6X6)

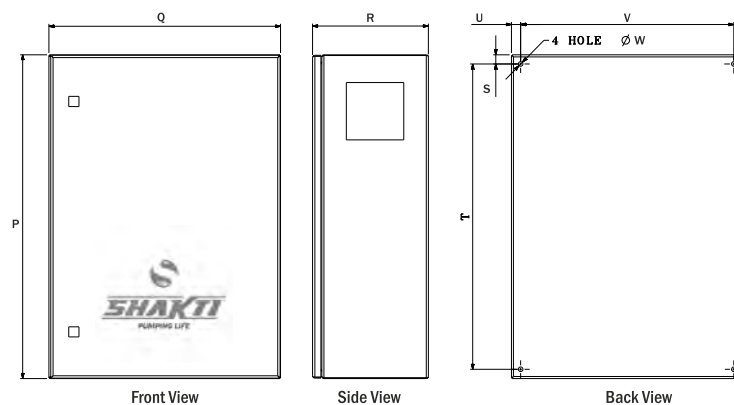
PUMPSET CODE 9500001804

DUTY HEAD 656 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	27000	20350	14100	9900	6750	5550	4750
HEAD (ft)	FLOW IN US GPM						
656	118	97	67	36	0		
558	126	106	82	53	24	0	
492	131	111	93	59	32	16	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

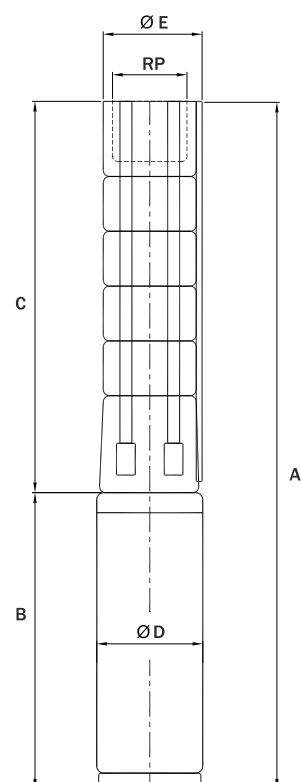
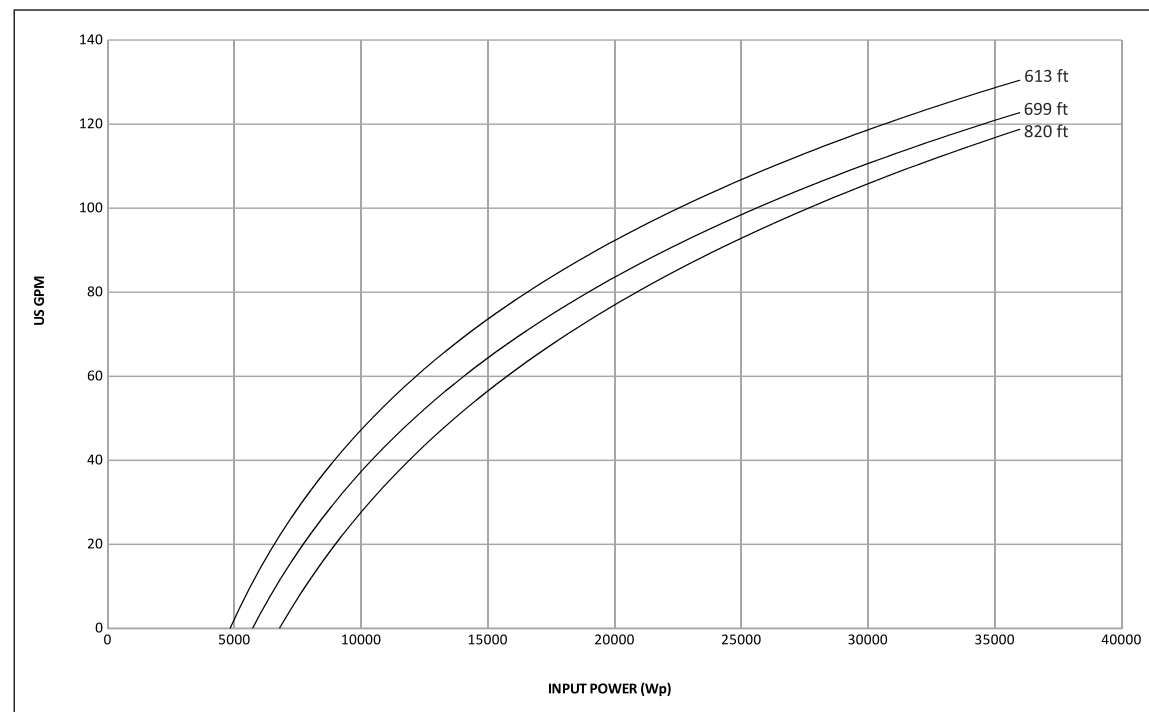
### SOLAR 119 DCSSP 36000

NPT 2" (8X6)

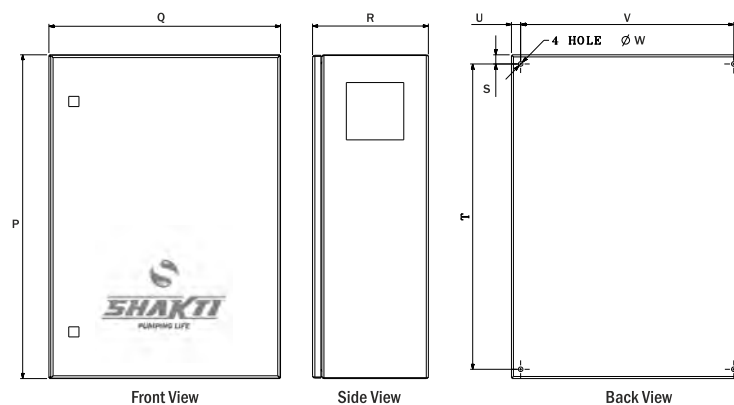
PUMPSET CODE 9500001813

DUTY HEAD 820 FEET

CHOKE CODE 9000025821



	INPUT POWER (Wp)						
	36000	31550	20400	9600	6900	5700	4850
HEAD (ft)	FLOW IN US GPM						
820	119	109	78	26	0		
699	126	113	82	33	15	0	
613	130	119	98	48	20	11	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

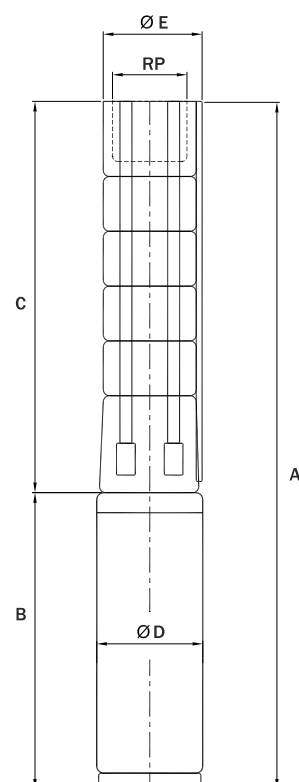
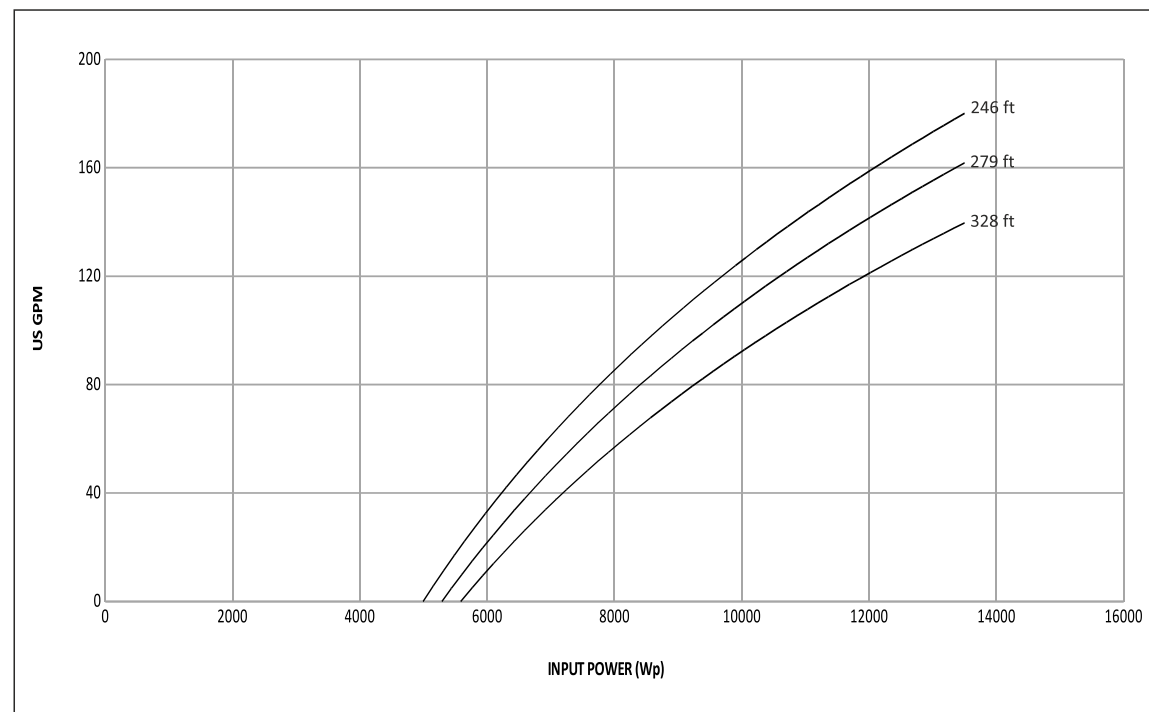
### SOLAR 134 DCSSP 13500

NPT 3" (6X6)

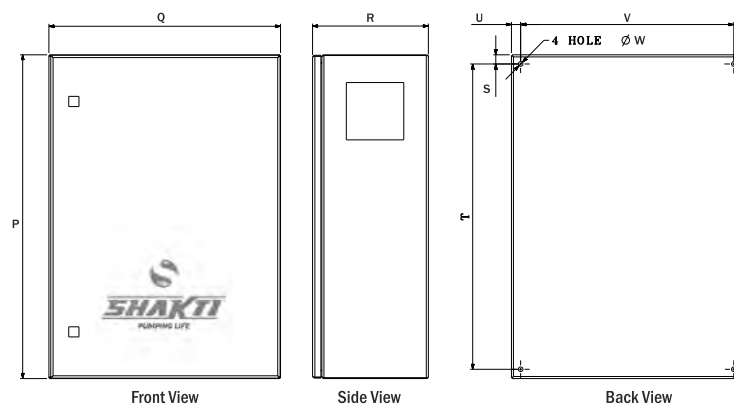
PUMPSET CODE 9500000576

DUTY HEAD 328 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	13500	10650	8400	6850	5950	5500	5000
HEAD (ft)	FLOW IN US GPM						
328	135	104	71	40	0		
279	158	122	83	47	24	0	
246	180	139	94	53	37	16	0



CONTROLLER CODE : 9000024747

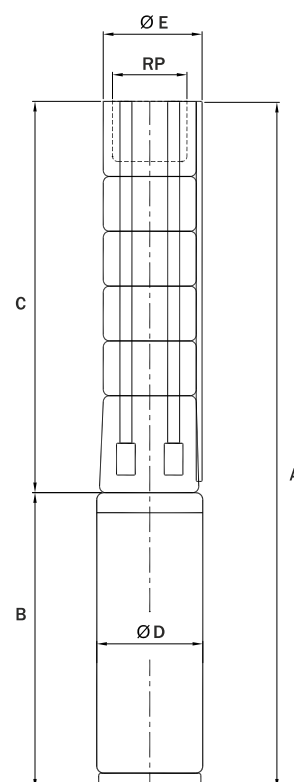
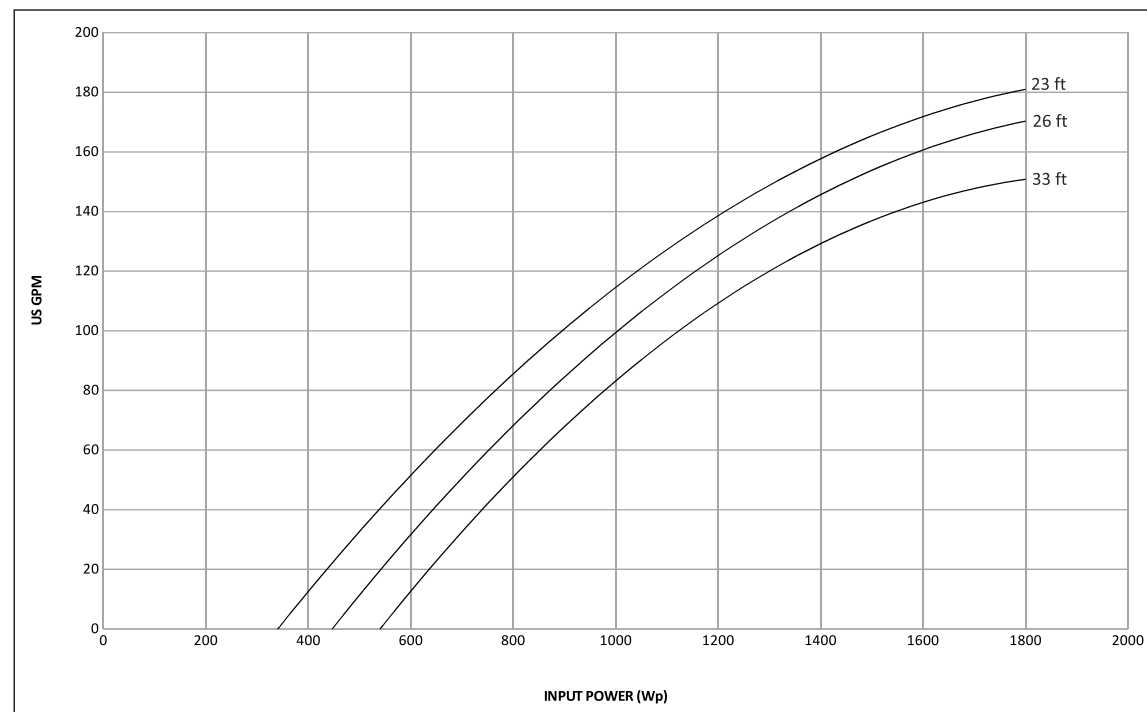
# SOLAR PUMPING SYSTEM

SOLAR 153 DCSSP 1800

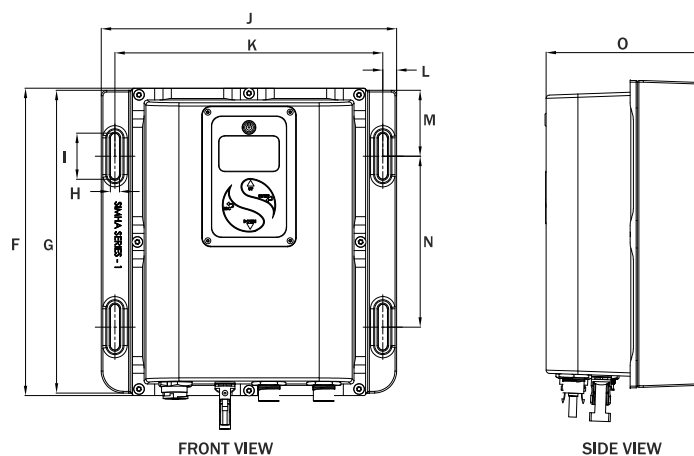
NPT 3" (4X6)

PUMPSET CODE 9500000134

DUTY HEAD 33 FEET



	INPUT POWER (Wp)						
	1800	1450	1050	900	550	500	350
HEAD (ft)	FLOW IN US GPM						
33	153	127	93	71	0		
26	171	148	116	72	37	0	
23	183	157	132	87	61	21	0



CONTROLLER CODE : 9600000020

## SOLAR PUMPING SYSTEM

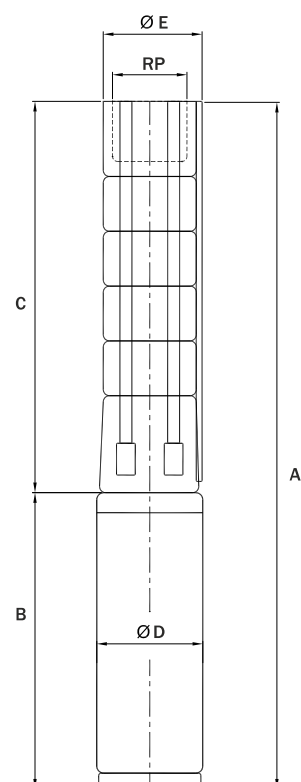
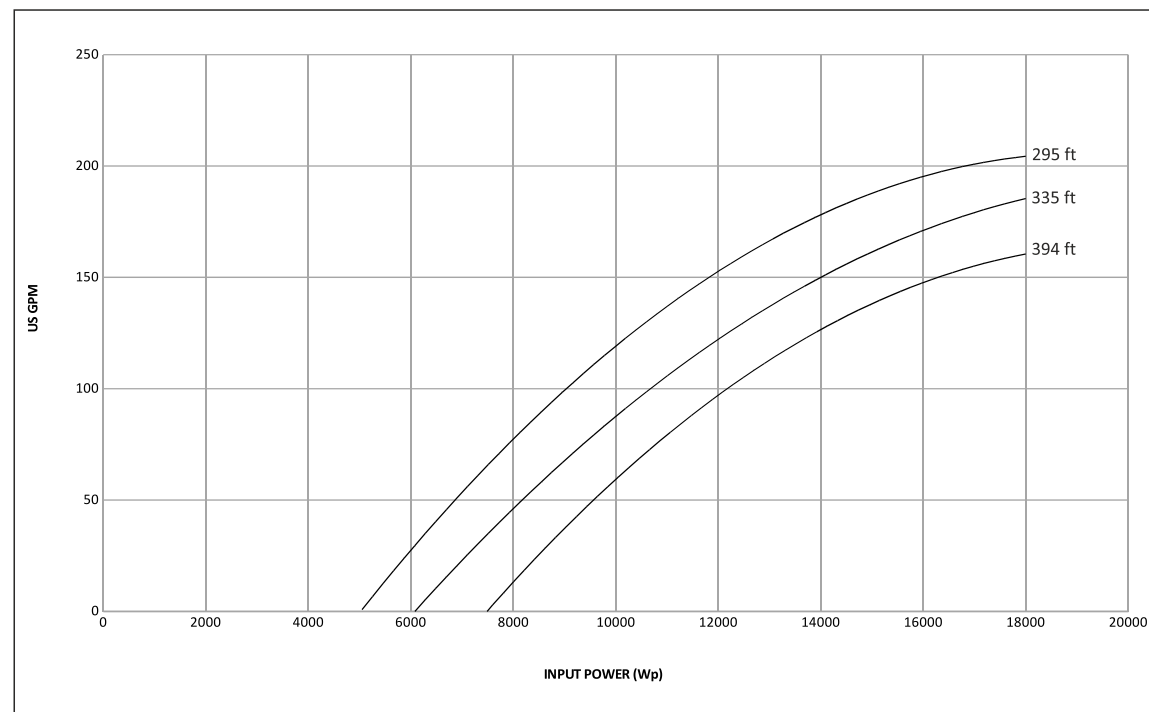
### SOLAR 162 DCSSP 18000

NPT 3" (6X6)

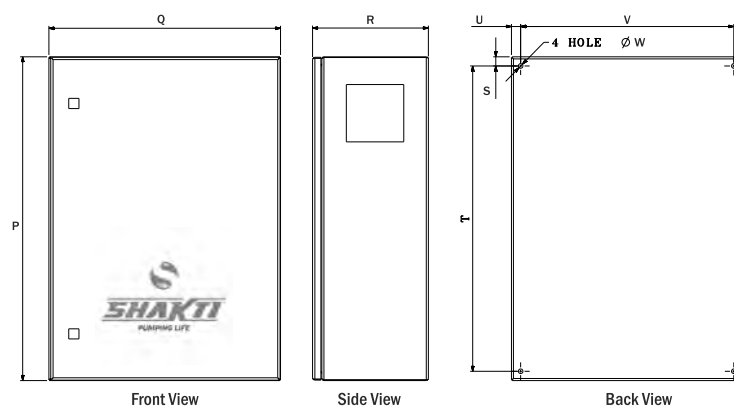
PUMPSET CODE 9500000585

DUTY HEAD 394 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	18000	15050	11450	8750	7750	6200	5200
HEAD (ft)	FLOW IN US GPM						
394	163	134	89	40	0		
335	188	157	112	69	40	0	
295	206	185	143	93	78	36	0



CONTROLLER CODE : 9000024747

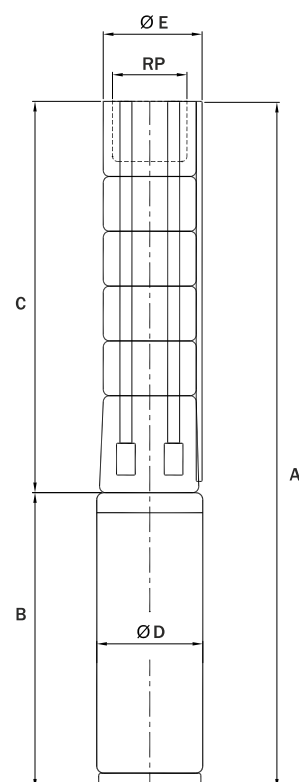
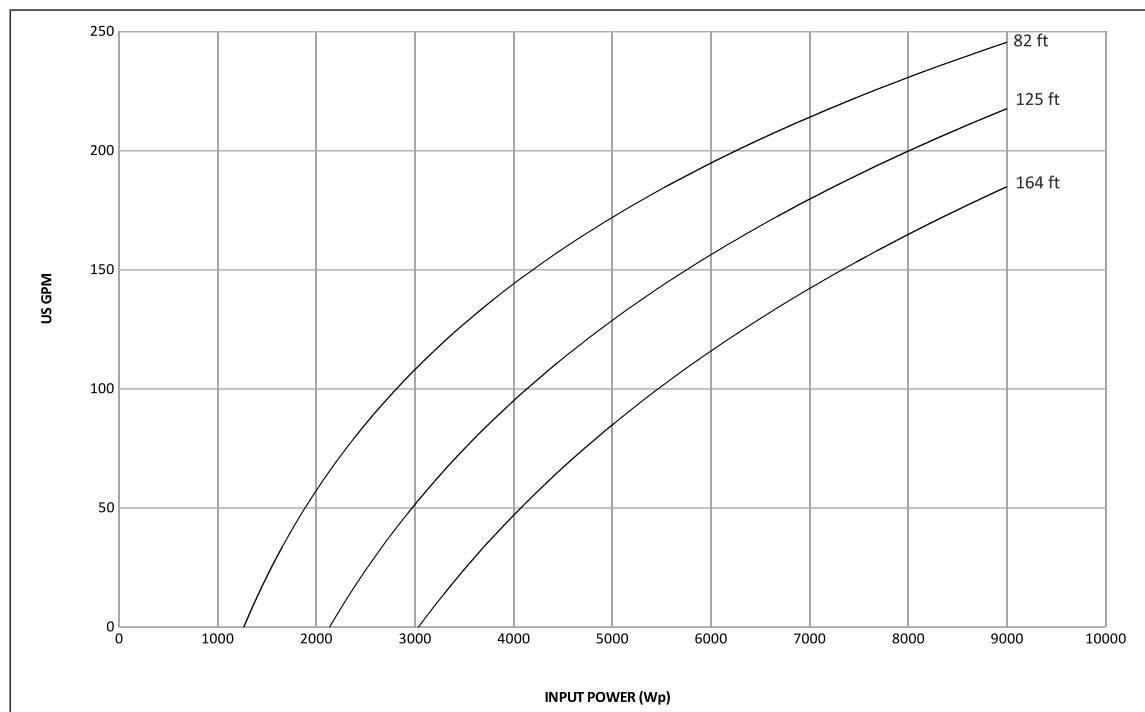
## SOLAR PUMPING SYSTEM

**SOLAR 180 DCSSP 9000**

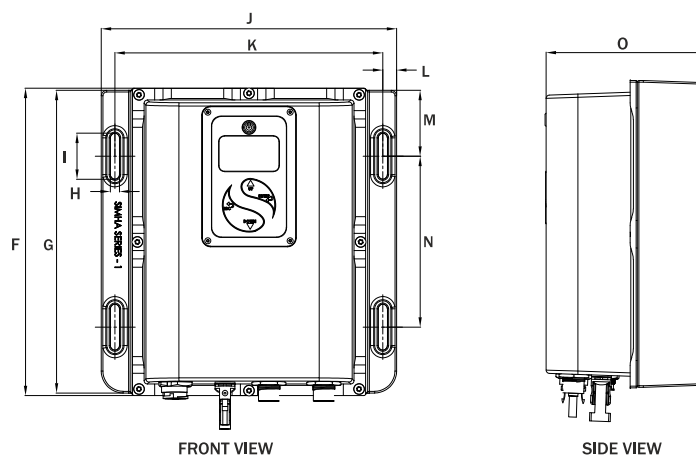
**NPT 3" (6X6)**

**PUMPSET CODE 9500000172**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	9000	7200	5400	4500	3150	2300	1350
HEAD (ft)	FLOW IN US GPM						
164	180	147	102	74	0		
125	212	185	140	119	70	0	
82	238	218	187	159	118	82	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

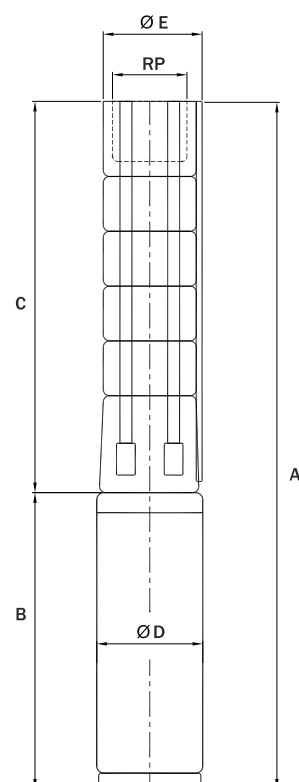
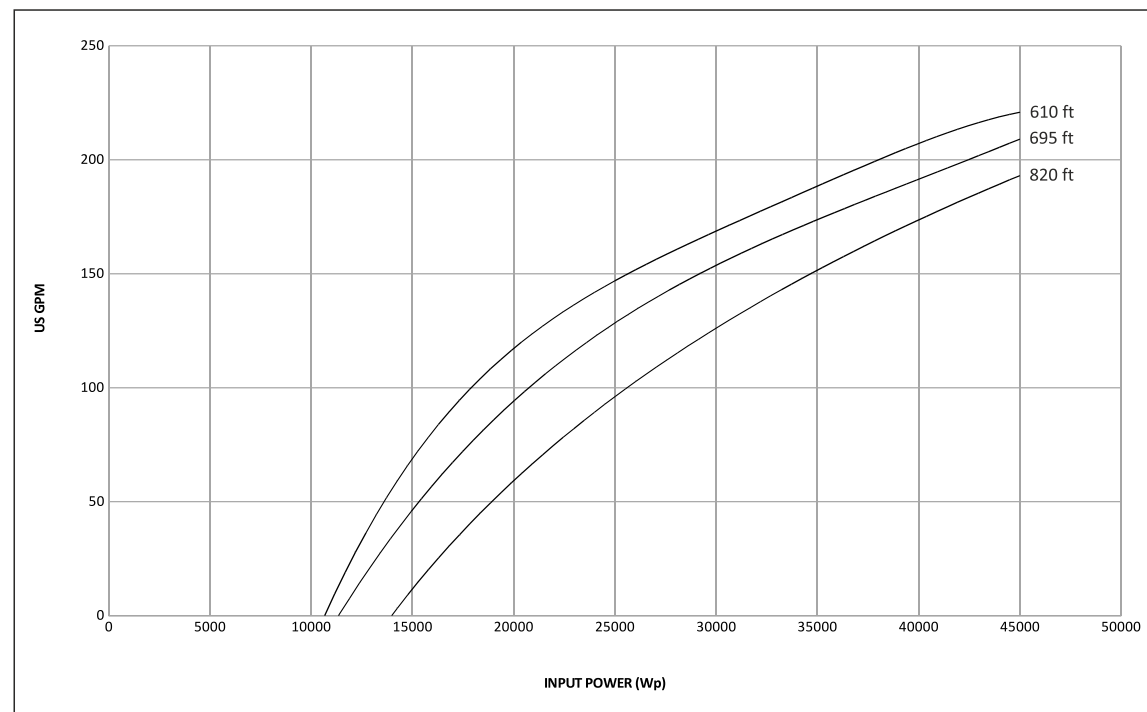
### SOLAR 189 DCSSP 45000

NPT 3" (8X6)

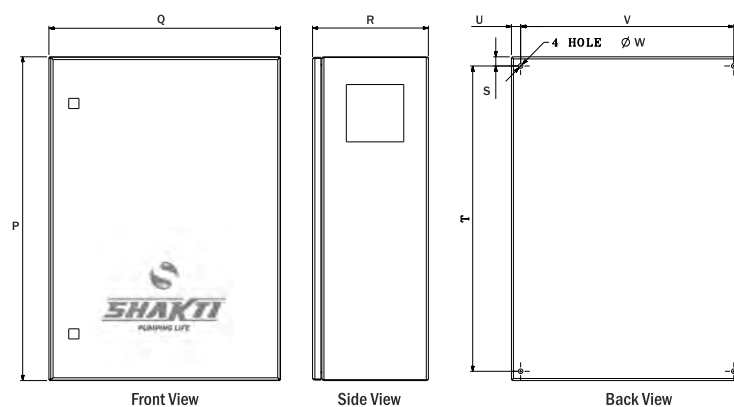
PUMPSET CODE 9500001821

DUTY HEAD 820 FEET

CHOKE CODE 9000025821



	INPUT POWER (Wp)						
	45000	35950	26950	17950	14850	11250	11000
HEAD (ft)	FLOW IN US GPM						
820	189	156	112	51	0		
695	209	178	138	81	40	0	
610	221	192	156	101	66	19	0



CONTROLLER CODE : 9000025382



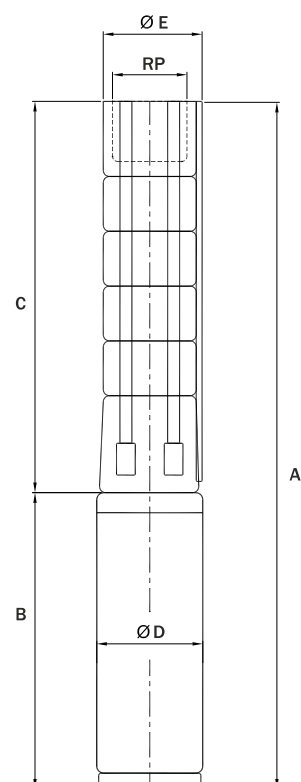
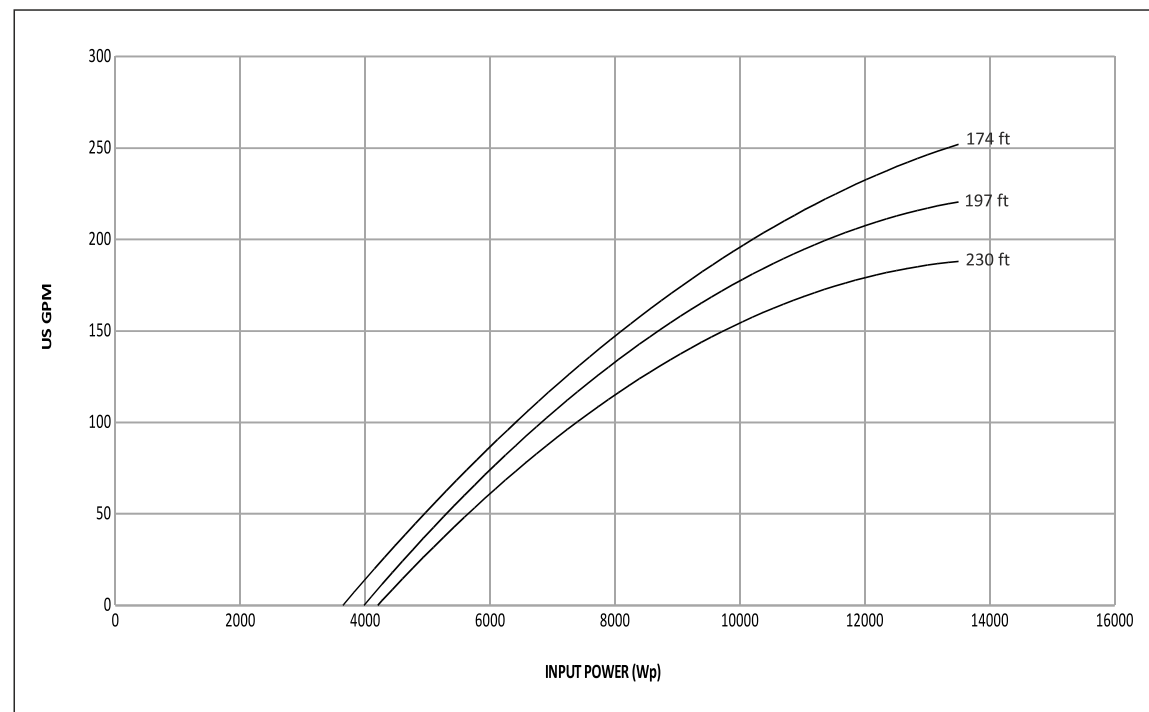
## SOLAR PUMPING SYSTEM

**SOLAR 190 DCSSP 13500**

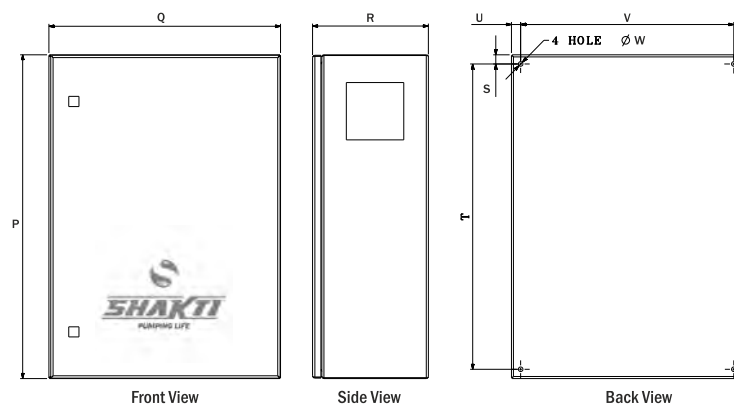
**NPT 3" (6X6)**

**PUMPSET CODE 9500000575**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	13500	11000	7000	5200	4400	4000	3500
HEAD (ft)	FLOW IN US GPM						
230	190	163	92	44	0		
197	222	191	107	51	13	0	
174	252	216	121	58	26	11	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

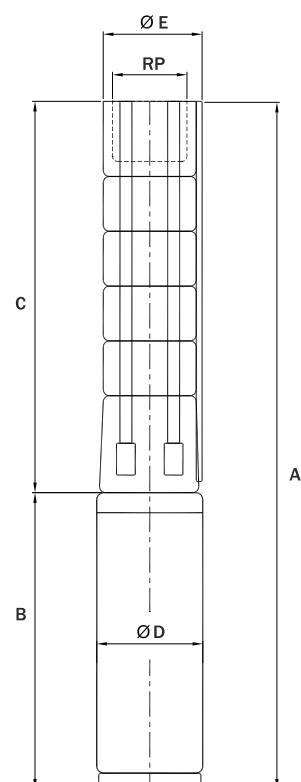
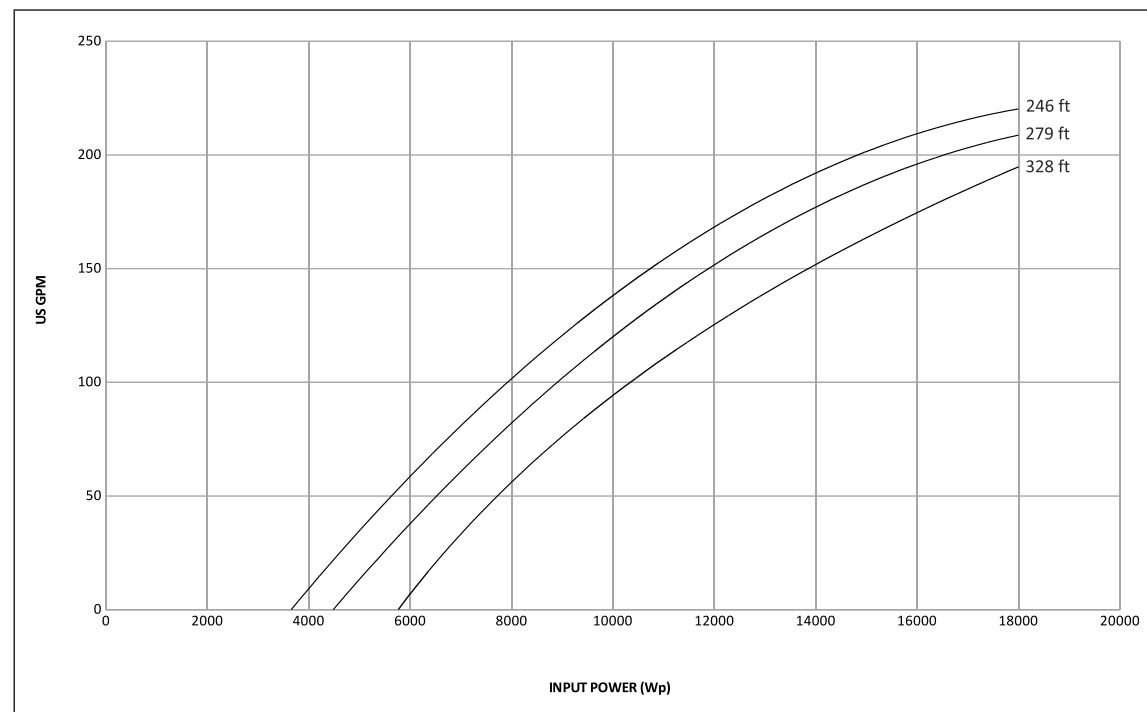
### SOLAR 190 DCSSP 18000

NPT 3" (6X6)

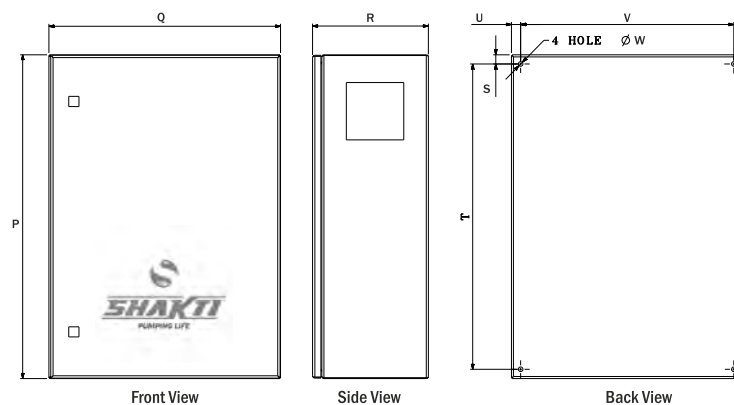
PUMPSET CODE 9500000584

DUTY HEAD 328 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	18000	14400	10800	9000	6000	4450	3750
HEAD (ft)	FLOW IN US GPM						
328	190	156	111	85	0		
279	209	180	136	101	37	0	
246	222	192	153	119	62	21	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

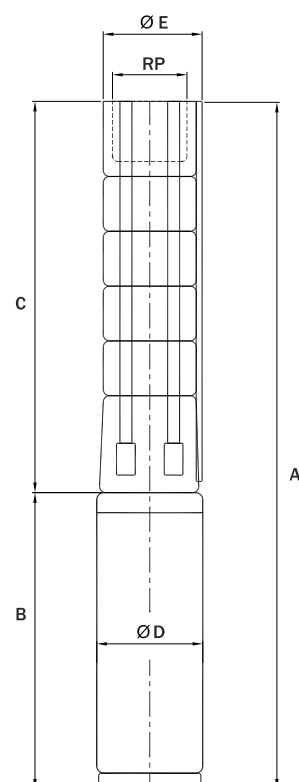
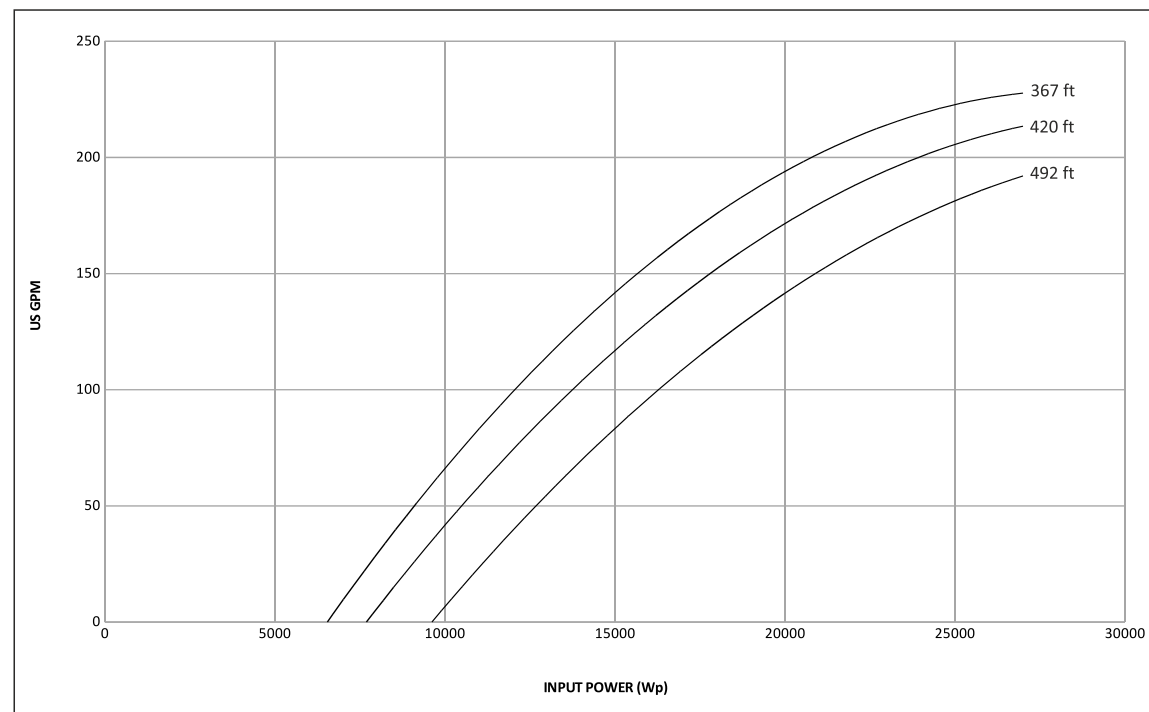
### SOLAR 193 DCSSP 27000

NPT 3" (6X6)

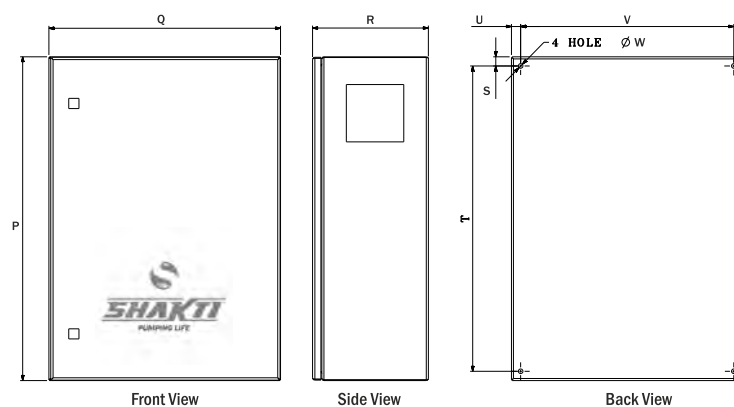
PUMPSET CODE 9500001803

DUTY HEAD 492 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	27000	21550	16150	10700	9450	8000	7200
HEAD (ft)	FLOW IN US GPM						
492	193	152	103	13	0		
420	216	180	131	61	33	0	
367	231	198	153	89	58	36	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

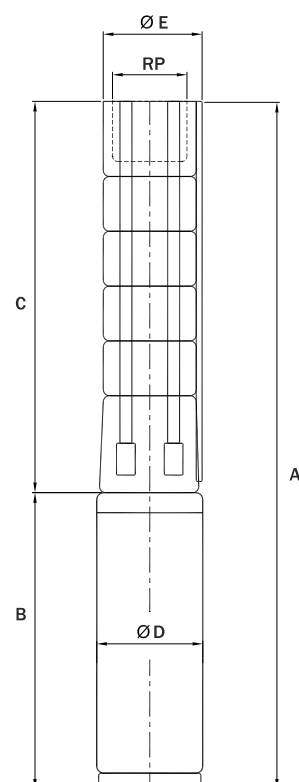
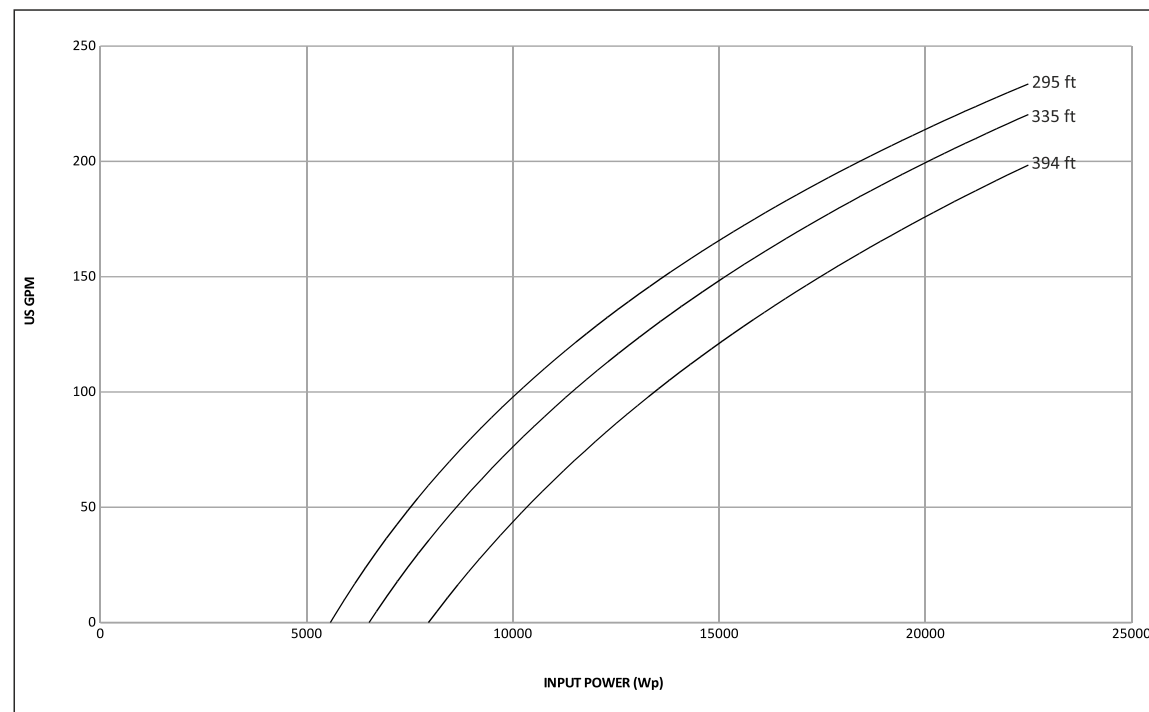
### SOLAR 194 DCSSP 22500

NPT 2" (6X6)

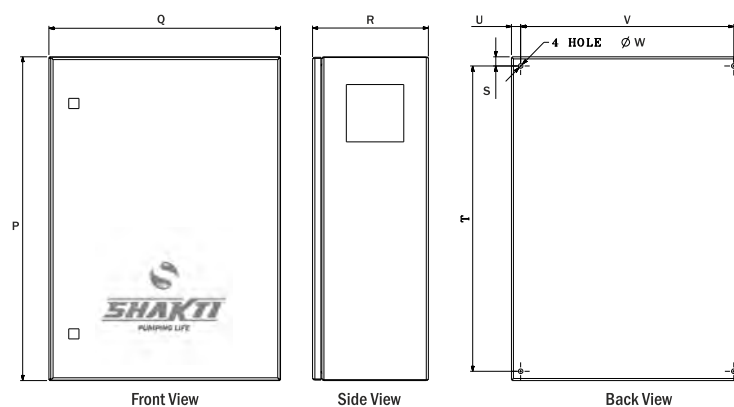
PUMPSET CODE 9500000589

DUTY HEAD 394 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	22500	18000	13450	9000	8350	7000	6000
HEAD (ft)	FLOW IN US GPM						
394	194	156	107	30	0		
335	216	180	134	67	48	0	
295	229	194	152	90	66	44	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

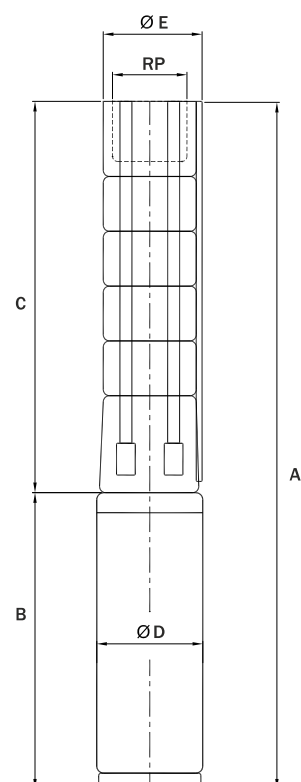
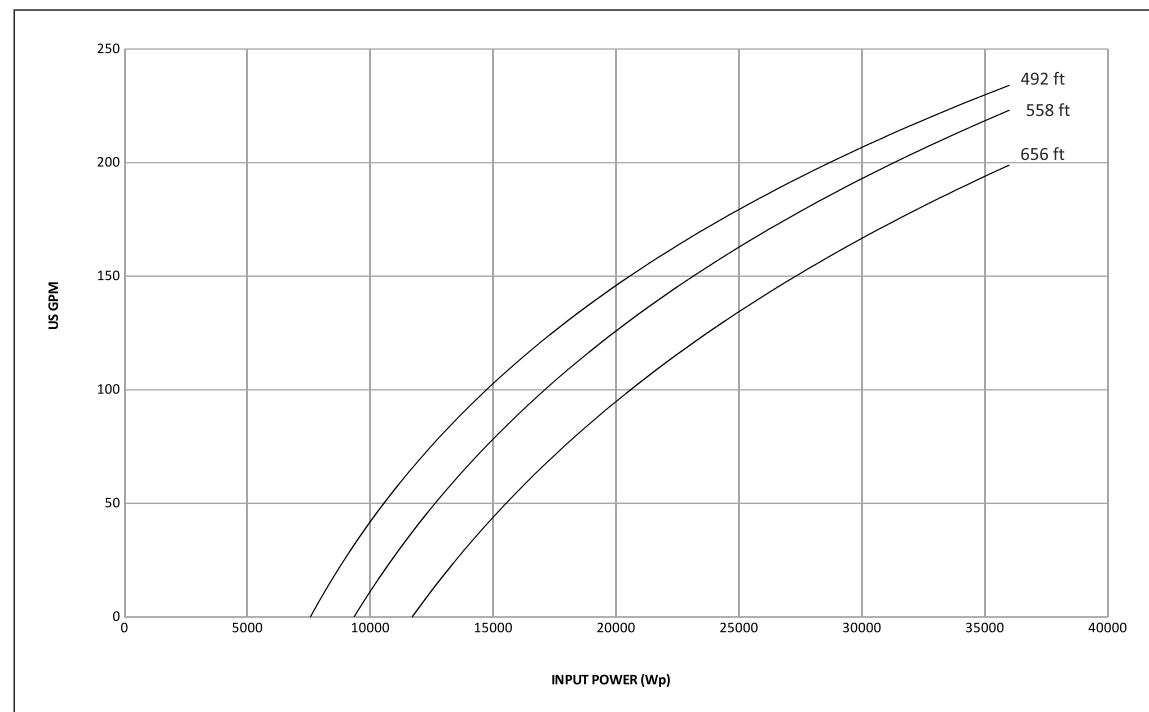
**SOLAR 196 DCSSP 36000**

**NPT 3" (8X6)**

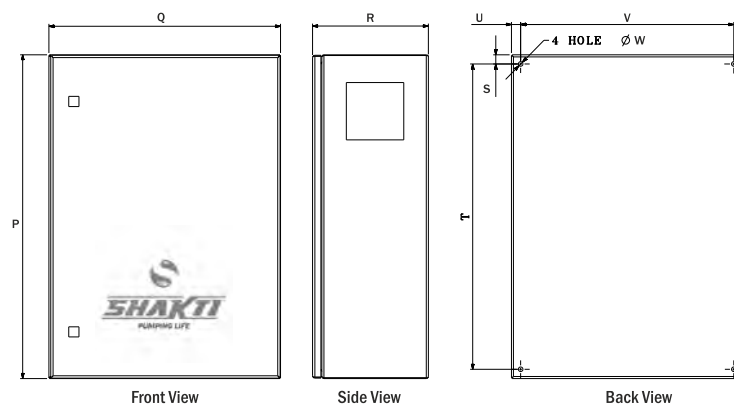
**PUMPSET CODE 9500001812**

**DUTY HEAD 656 FEET**

**CHOKE CODE 9000025820**



	INPUT POWER (Wp)						
	36000	26300	20850	14350	12100	9650	8100
HEAD (ft)	FLOW IN US GPM						
656	197	142	107	40	0		
558	216	177	132	81	40	0	
492	228	193	148	101	79	38	0



**CONTROLLER CODE : 9000025381**

## SOLAR PUMPING SYSTEM

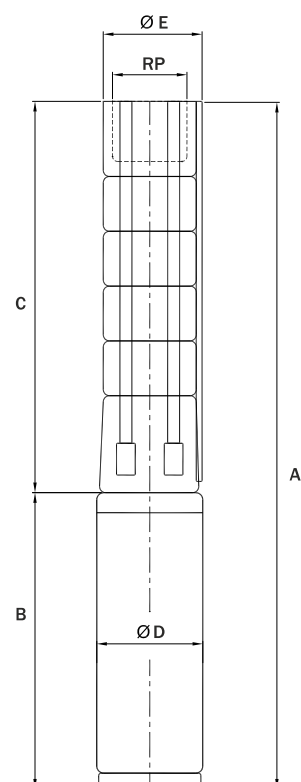
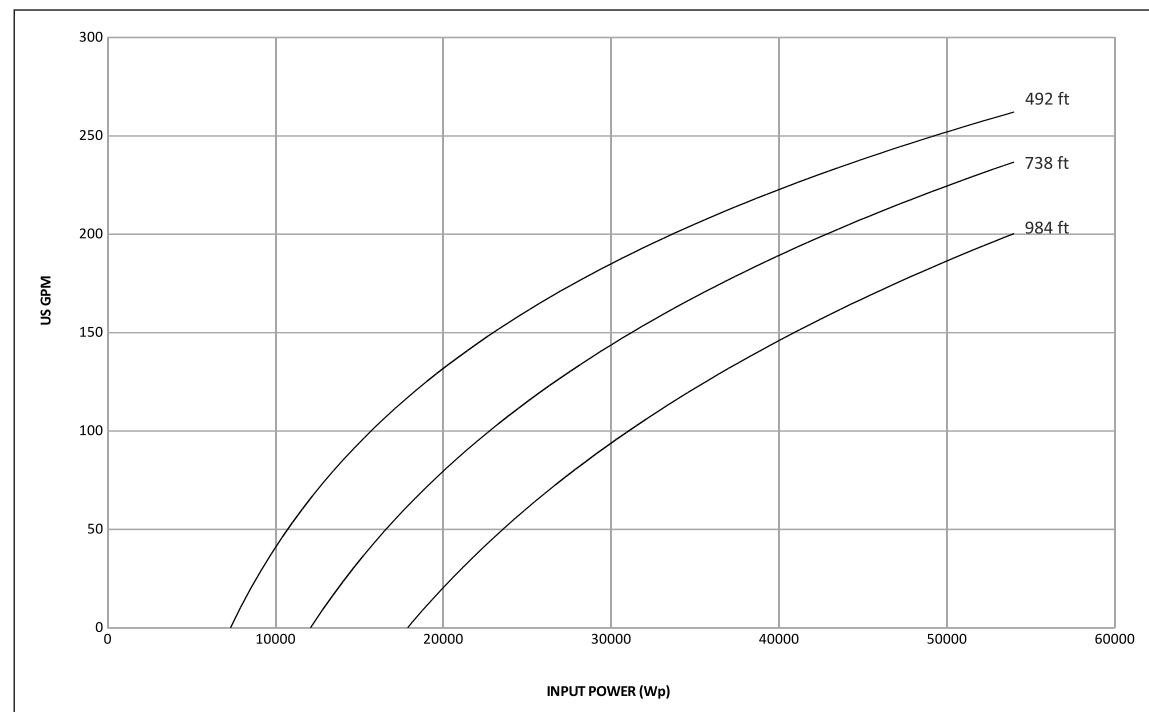
### SOLAR 197 DCSSP 54000

NPT 3" (8X6)

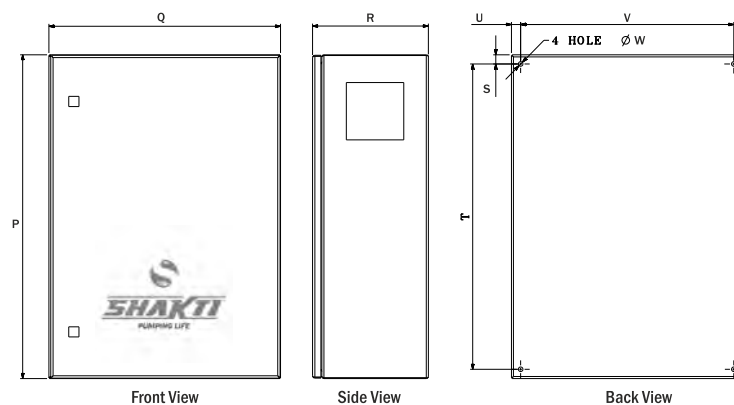
PUMPSET CODE 9500001827

DUTY HEAD 984 FEET

CHOKE CODE 9000025824



	INPUT POWER (Wp)						
	54000	44250	26800	21250	18550	12400	7200
HEAD (ft)	FLOW IN US GPM						
984	197	164	83	32	0		
738	228	212	132	91	66	0	
492	257	238	175	147	119	61	0



CONTROLLER CODE : 9000025382

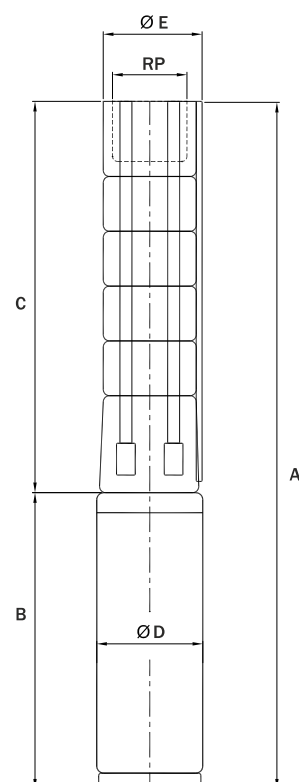
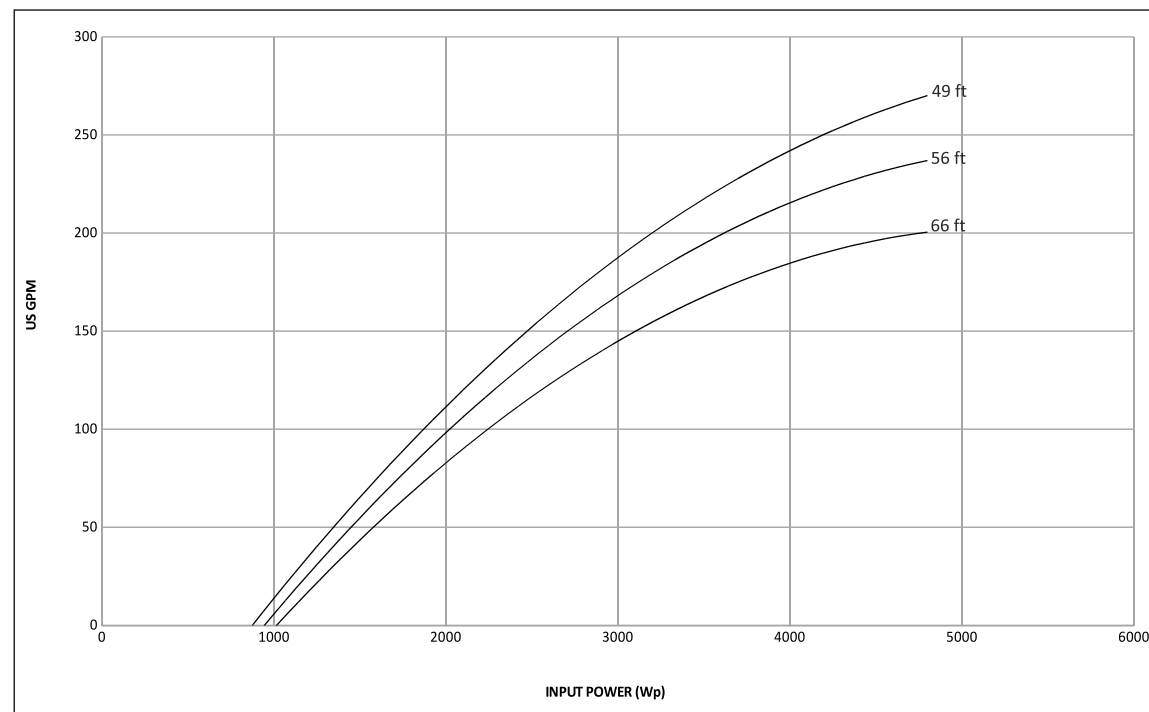
## SOLAR PUMPING SYSTEM

**SOLAR 202 DCSSP 4800**

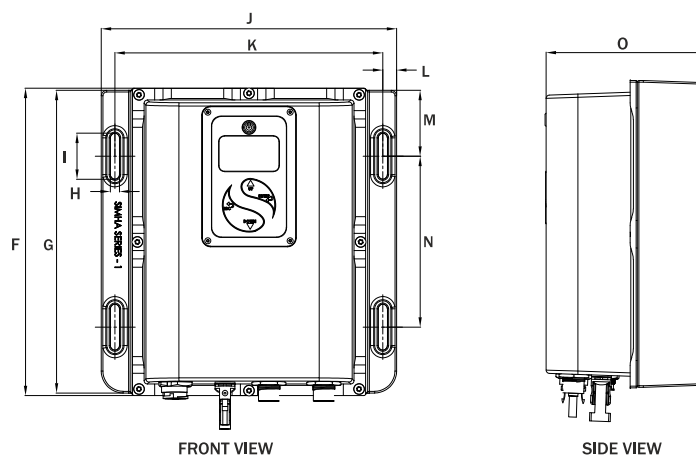
**NPT 3" (4X6)**

**PUMPSET CODE 9500000149**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	4800	3700	2150	1250	1050	900	800
HEAD (ft)	FLOW IN US GPM						
66	203	170	98	23	0		
56	238	200	116	27	7	0	
49	270	226	131	31	12	5	0



CONTROLLER CODE : 9600000005

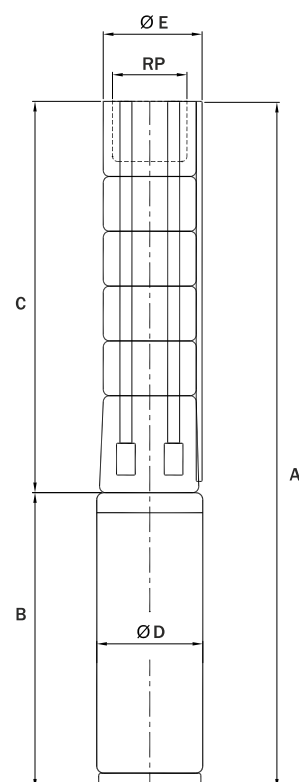
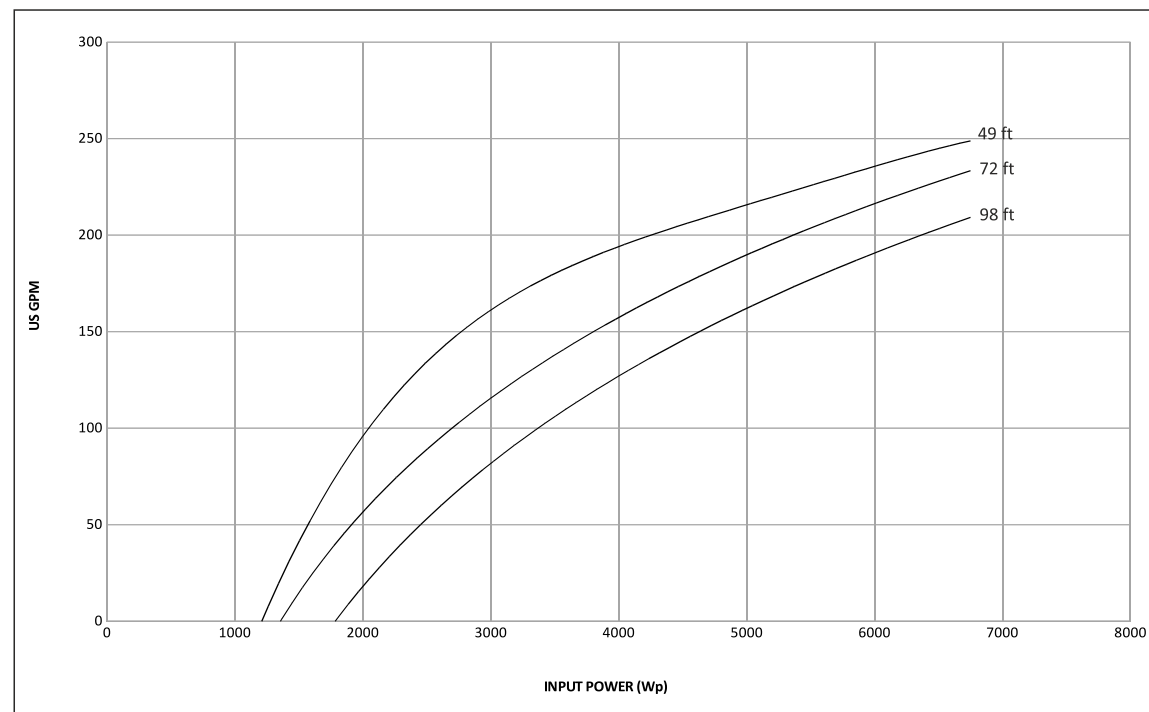
## SOLAR PUMPING SYSTEM

**SOLAR 207 DCSSP 6750**

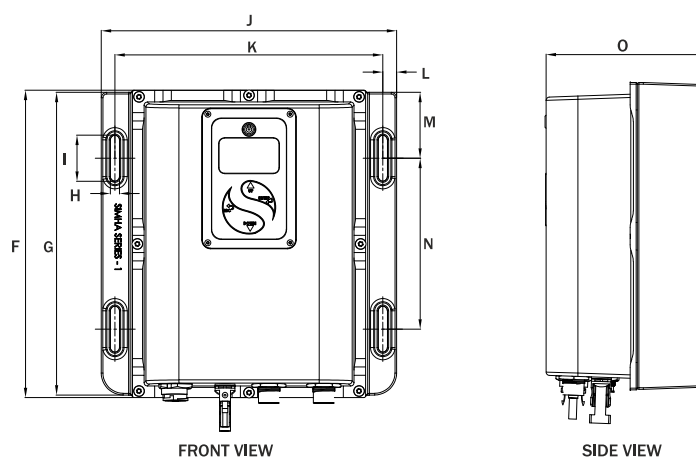
**NPT 3" (4X6)**

**PUMPSET CODE 9500000161**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	6750	5450	4100	2700	1850	1500	1200
HEAD (ft)	FLOW IN US GPM						
98	208	175	131	74	0		
72	228	200	165	112	53	0	
49	249	226	194	149	79	40	0



CONTROLLER CODE : 9600000023



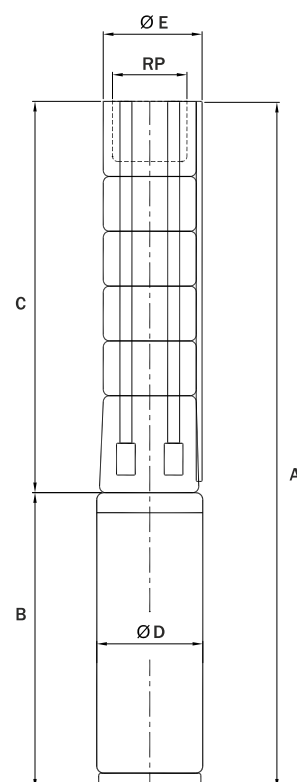
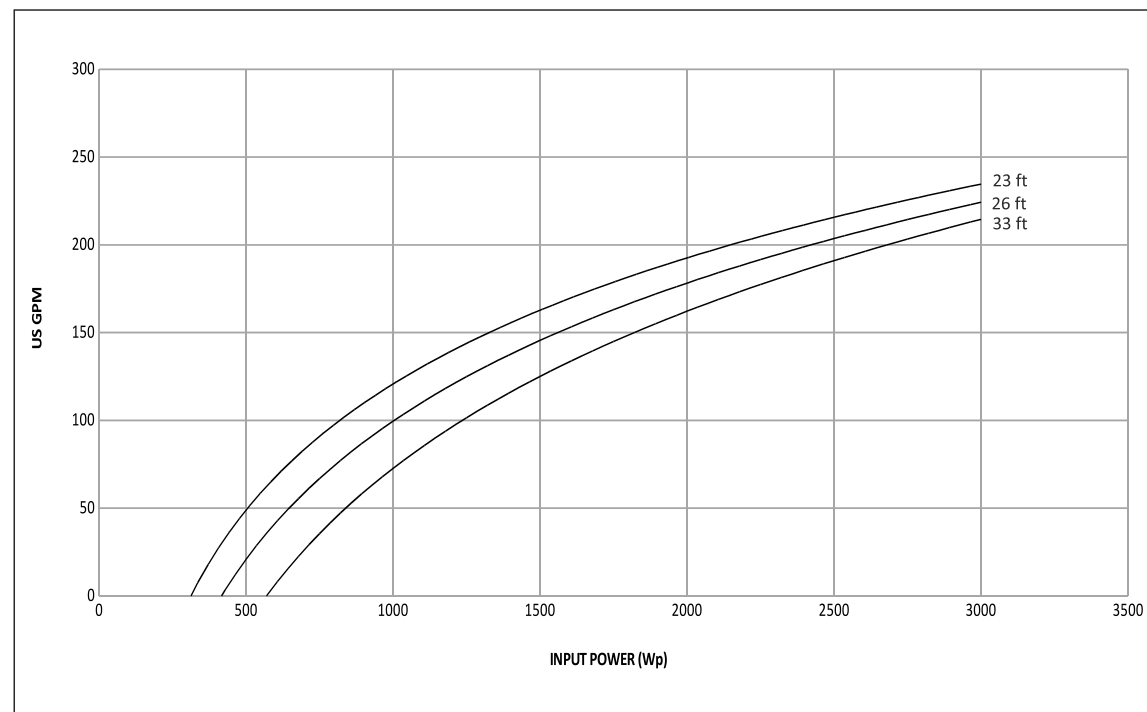
# SOLAR PUMPING SYSTEM

SOLAR 212 DCSSP 3000

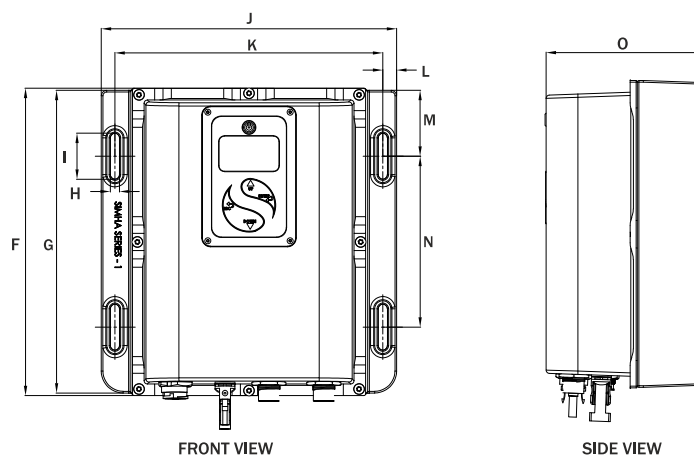
NPT 3" (4X6)

PUMPSET CODE 9500000130

DUTY HEAD 33 FEET



	INPUT POWER (Wp)						
	3000	2350	1450	900	600	400	300
HEAD (ft)	FLOW IN US GPM						
33	212	181	124	66	0		
26	224	198	138	95	32	0	
23	238	209	153	113	66	22	0



CONTROLLER CODE : 9600000005

## SOLAR PUMPING SYSTEM

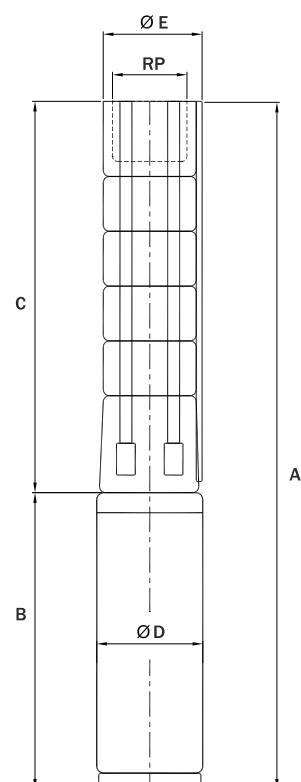
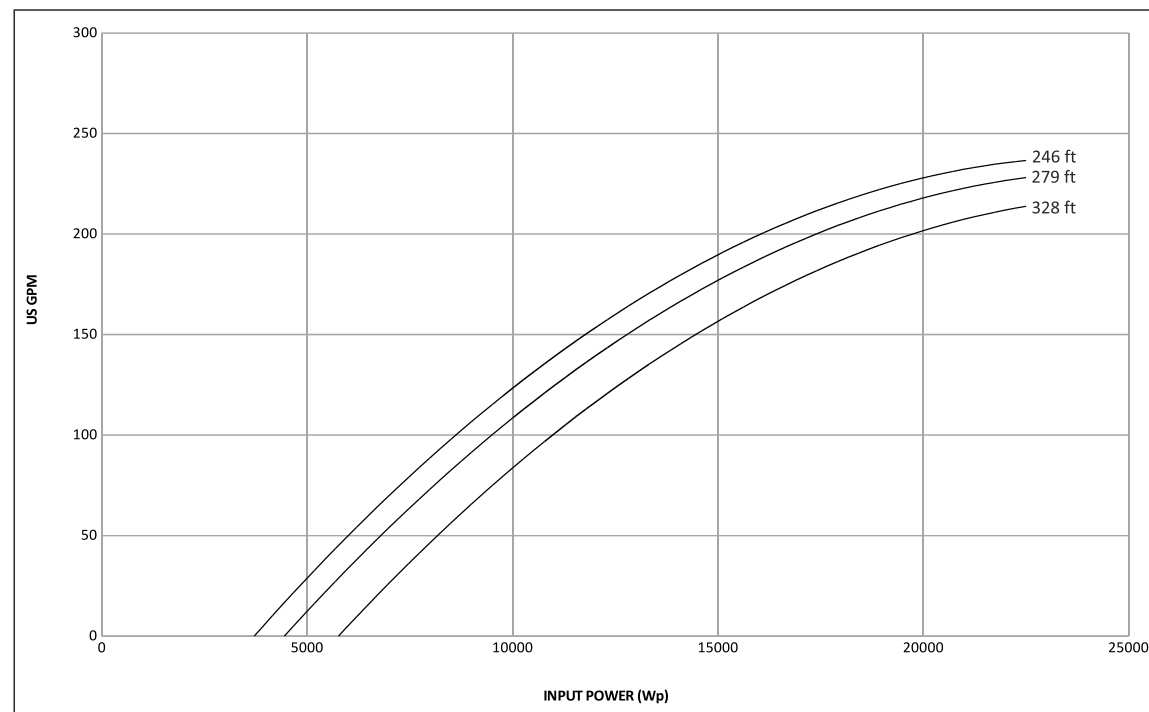
### SOLAR 215 DCSSP 22500

NPT 3" (6X6)

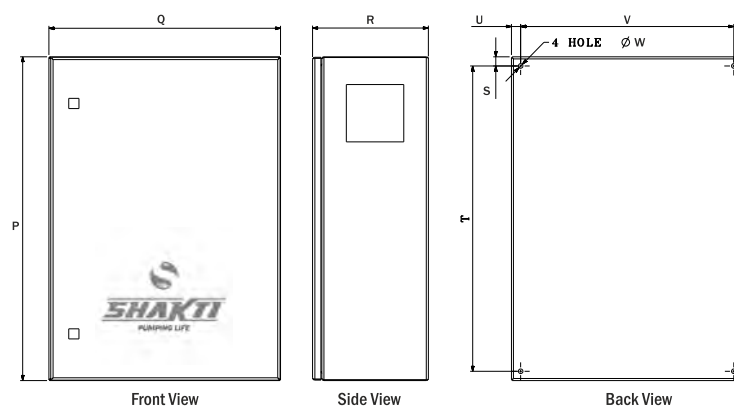
PUMPSET CODE 9500000148

DUTY HEAD 328 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	22500	18000	13500	6700	6050	4800	4000
HEAD (ft)	FLOW IN US GPM						
328	216	183	140	26	0		
279	231	200	160	53	40	0	
246	239	211	173	69	53	26	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

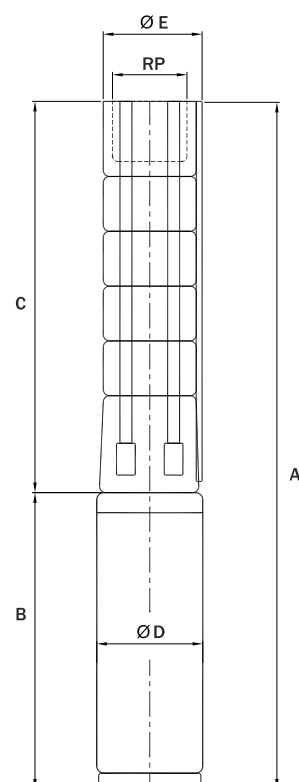
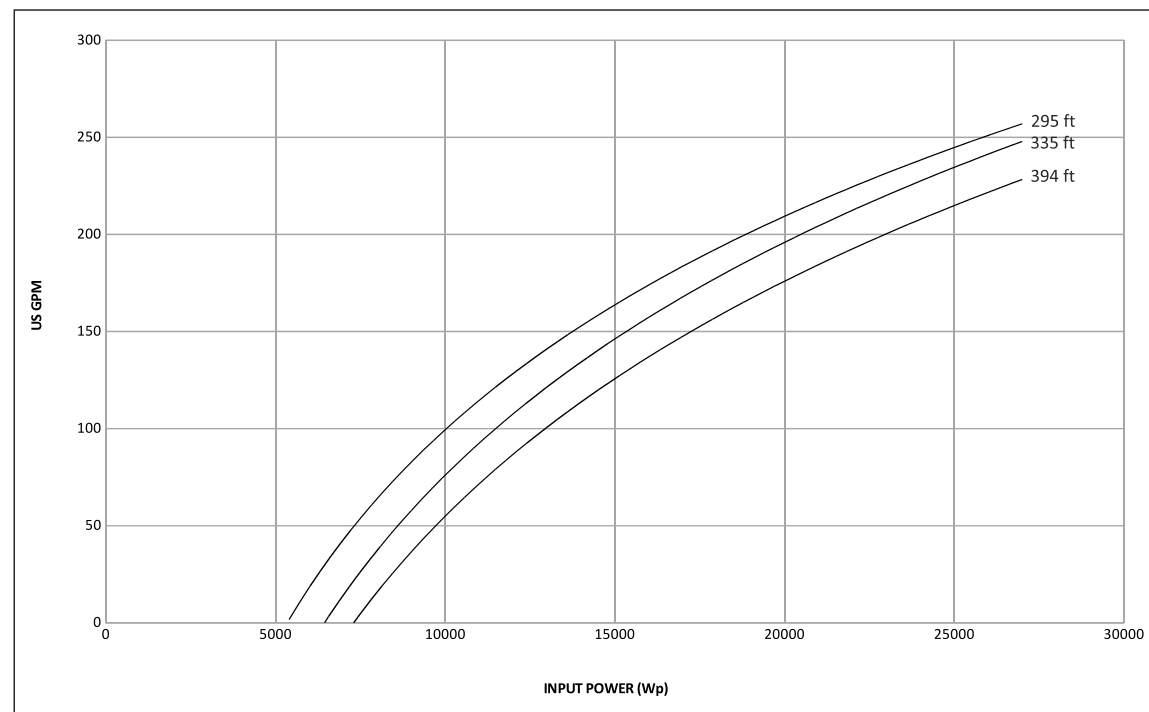
### SOLAR 224 DCSSP 27000

NPT 3" (6X6)

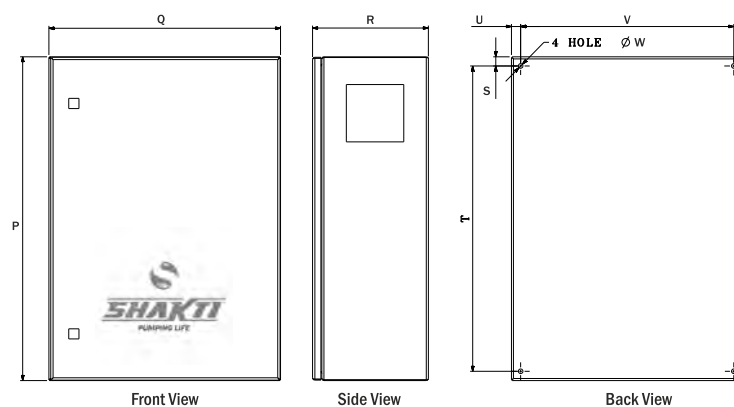
PUMPSET CODE 9500001802

DUTY HEAD 394 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	27000	21550	16200	10800	7600	6800	6000
HEAD (ft)	FLOW IN US GPM						
394	225	189	142	77	0		
335	241	208	165	103	26	0	
295	251	220	180	120	56	52	0



CONTROLLER CODE : 9000025381

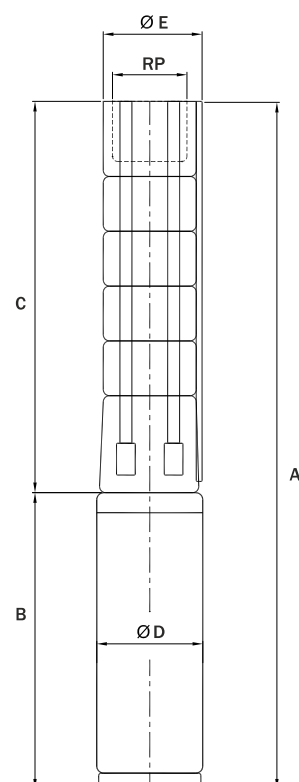
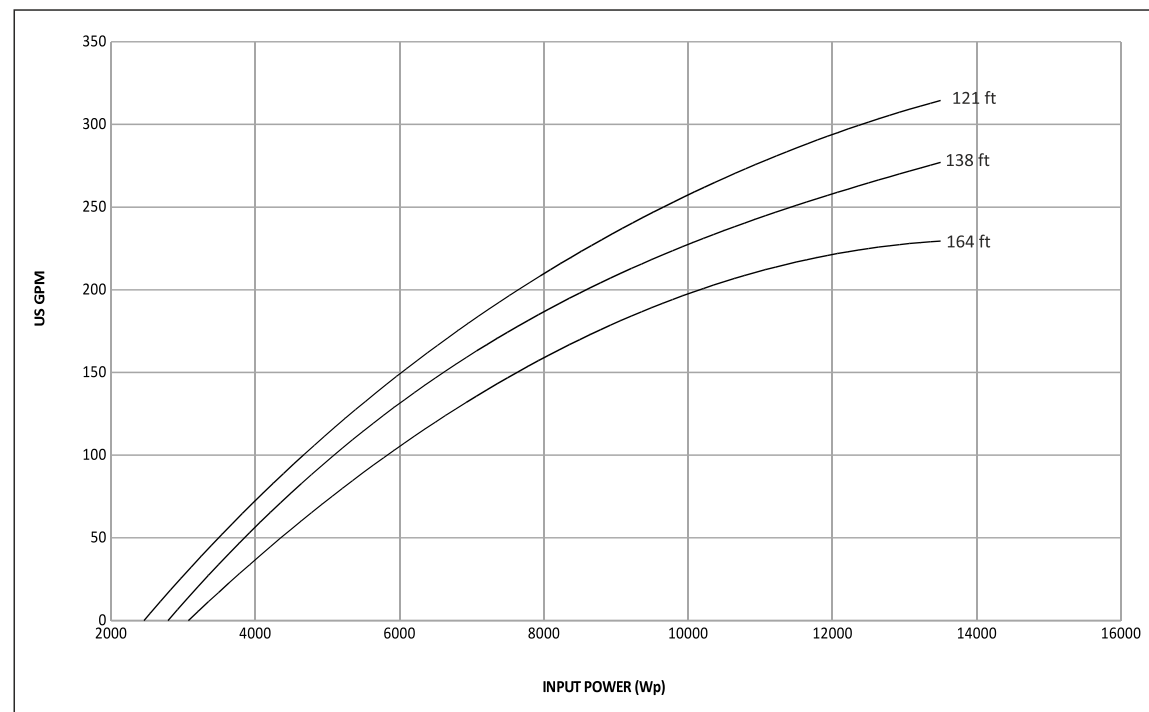
## SOLAR PUMPING SYSTEM

**SOLAR 232 DCSSP 13500**

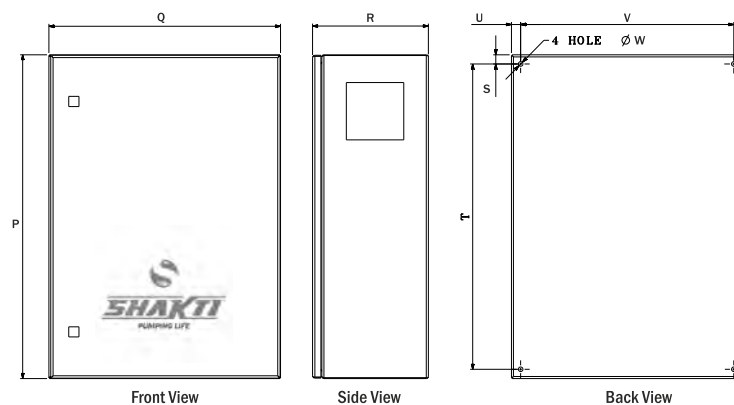
**NPT 3" (6X6)**

**PUMPSET CODE 9500000573**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	13500	10850	6600	4000	3300	2800	2600
HEAD (ft)	FLOW IN US GPM						
164	233	203	126	46	0		
138	277	241	150	55	26	0	
121	315	274	171	63	53	21	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

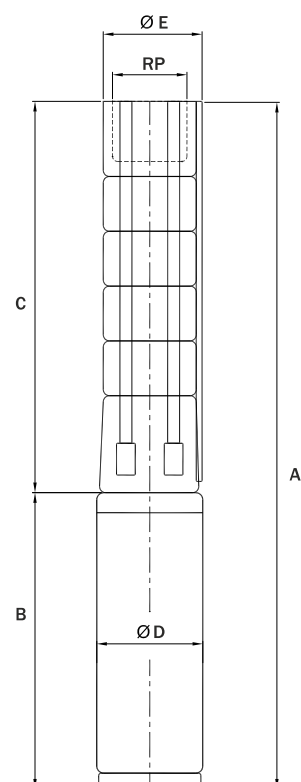
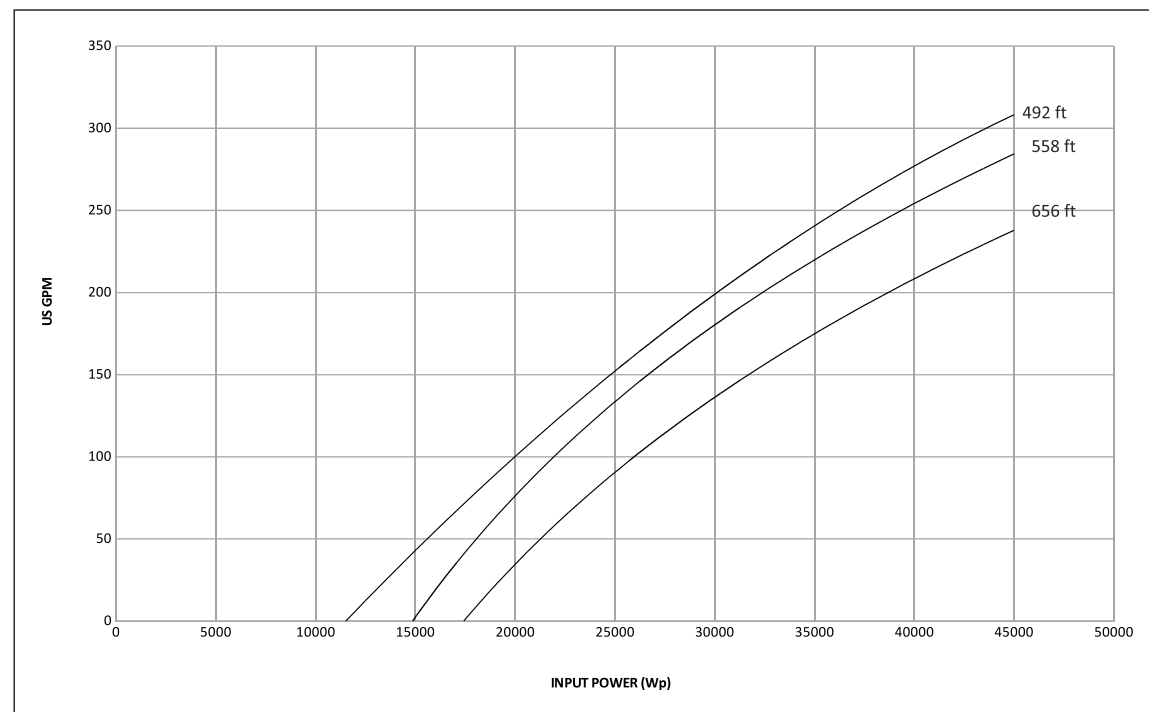
### SOLAR 234 DCSSP 45000

NPT 3" (8X6)

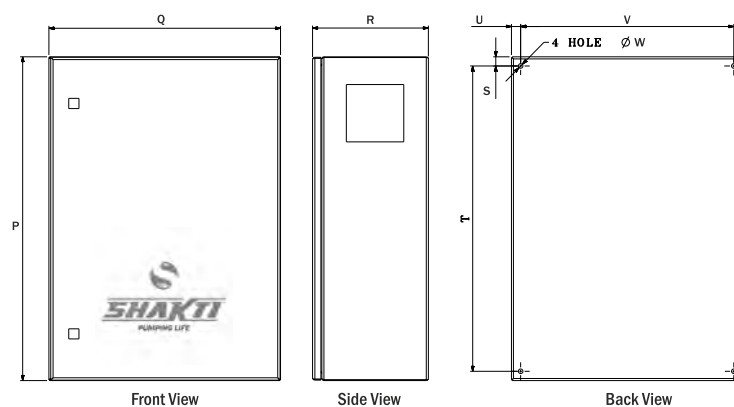
PUMPSET CODE 9500001820

DUTY HEAD 656 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	45000	35900	26950	22500	17900	14400	11850
HEAD (ft)	FLOW IN US GPM						
656	234	181	115	69	0		
558	283	235	144	107	40	0	
492	308	250	163	127	87	35	0



CONTROLLER CODE : 9000025382

## SOLAR PUMPING SYSTEM

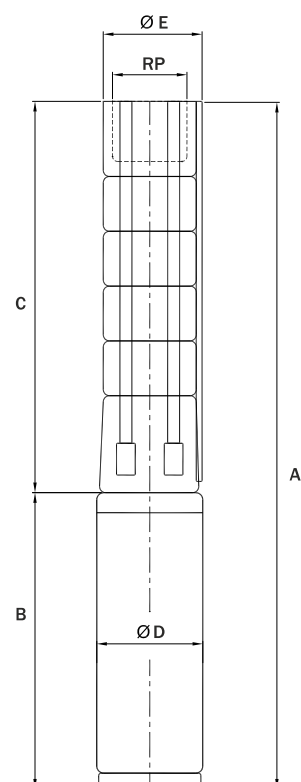
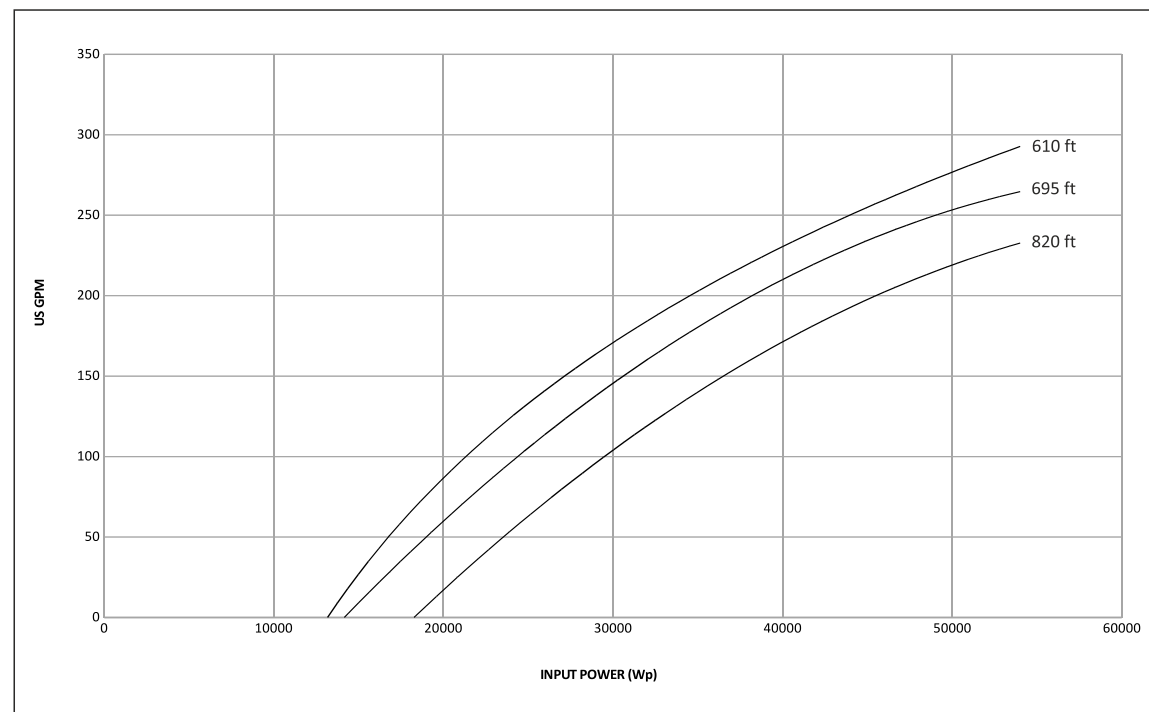
### SOLAR 235 DCSSP 54000

NPT 3" (8X6)

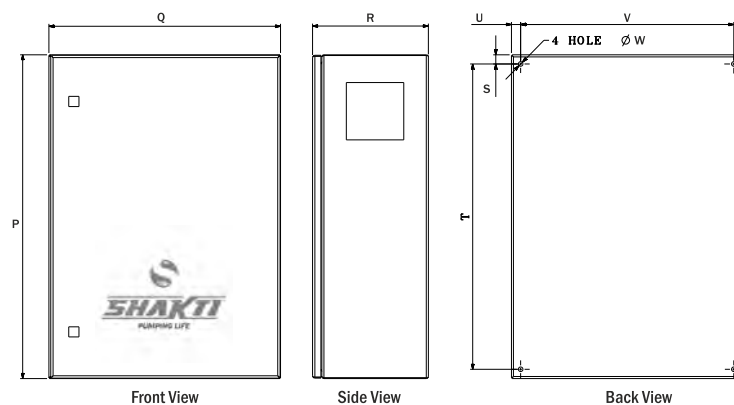
PUMPSET CODE 9500001826

DUTY HEAD 820 FEET

CHOKE CODE 9000025821



	INPUT POWER (Wp)						
	54000	43200	32400	21550	18850	15000	14000
HEAD (ft)	FLOW IN US GPM						
820	235	181	127	37	0		
695	267	222	159	85	53	0	
610	288	246	185	116	79	26	0



CONTROLLER CODE : 9000025382

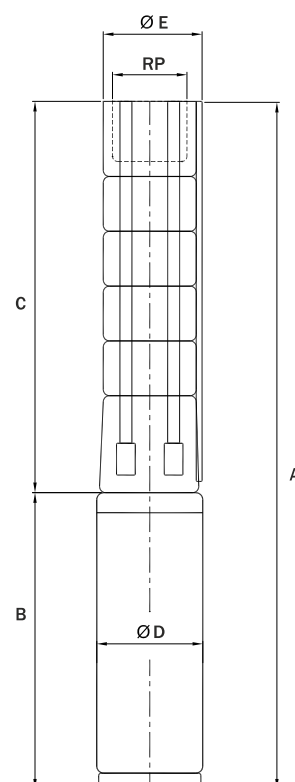
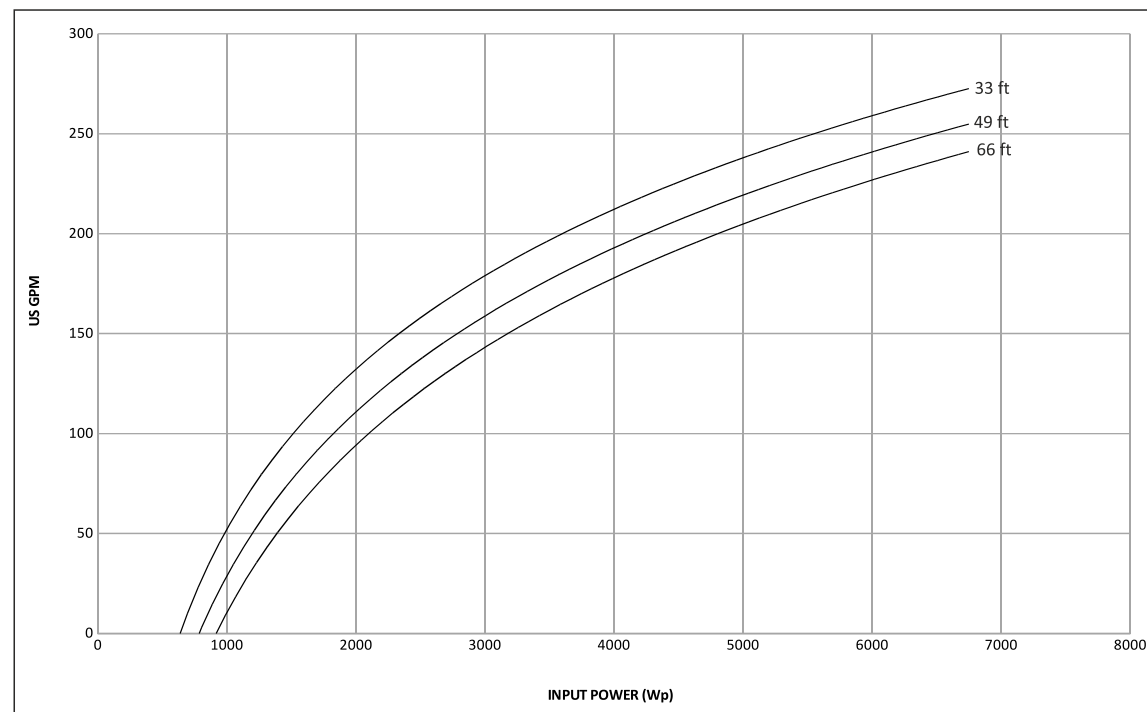
# SOLAR PUMPING SYSTEM

SOLAR 238 DCSSP 6750

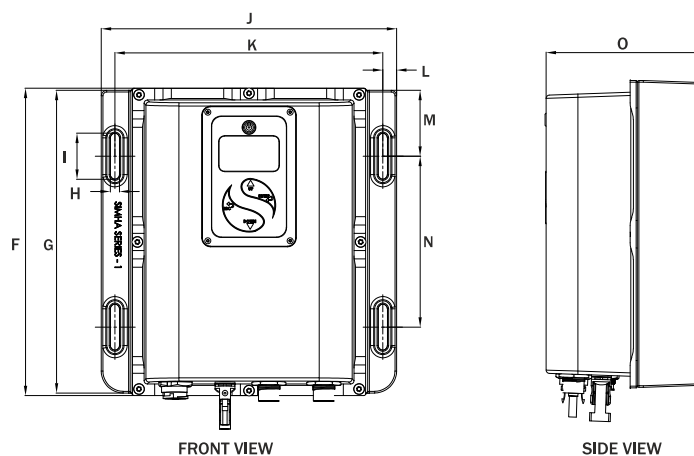
NPT 3" (4X6)

PUMPSET CODE 9500000159

DUTY HEAD 66 FEET



	INPUT POWER (Wp)						
	6750	4750	2700	1200	1000	800	600
HEAD (ft)	FLOW IN US GPM						
66	239	198	134	42	0		
49	253	212	152	53	26	0	
33	262	238	179	79	40	19	0



CONTROLLER CODE : 9600000023

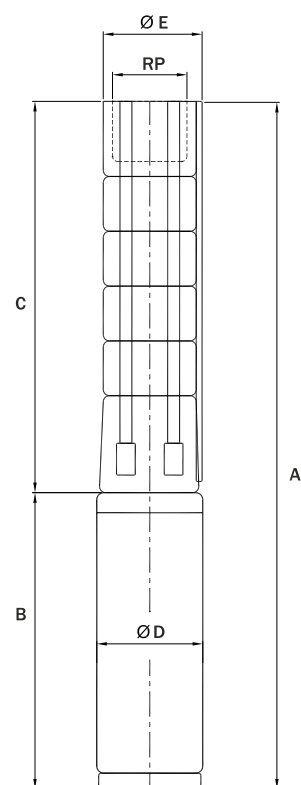
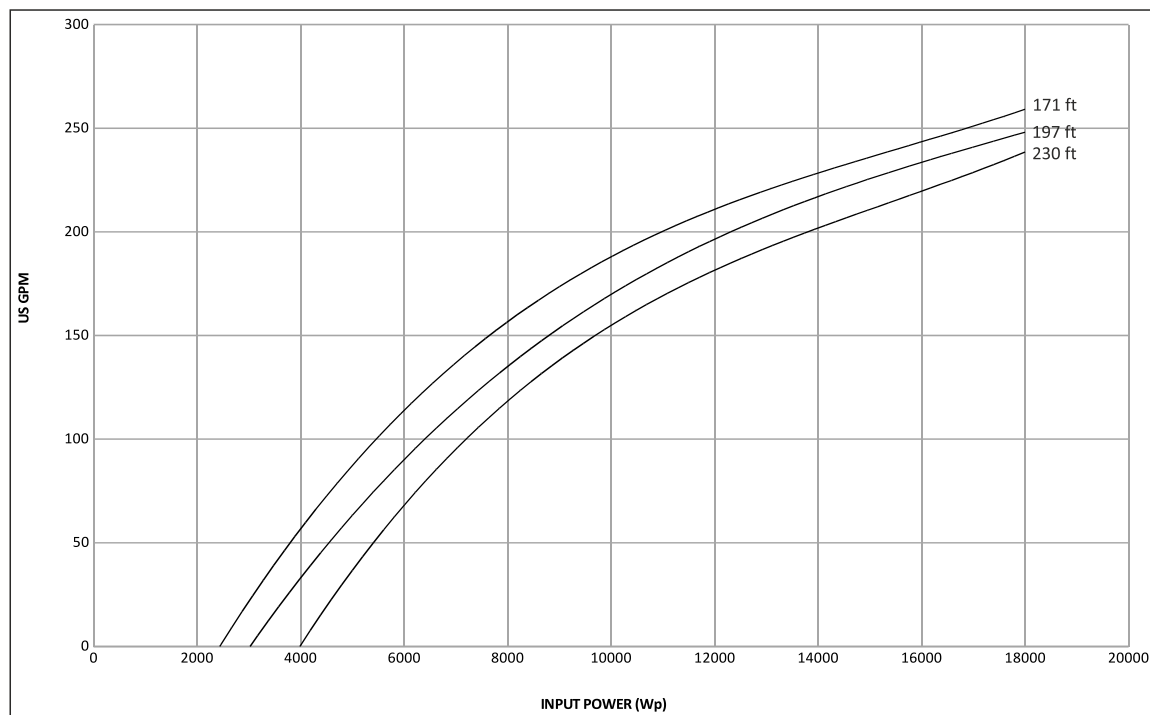
## SOLAR PUMPING SYSTEM

### SOLAR 238 DCSSP 18000

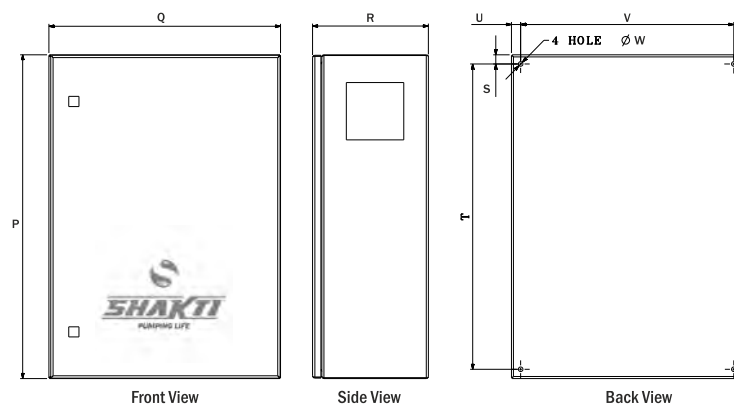
NPT 3" (6X6)

PUMPSET CODE 9500000583

DUTY HEAD 230 FEET



	INPUT POWER (Wp)						
	18000	14600	10900	7200	4000	3000	2400
HEAD (ft)	FLOW IN US GPM						
230	238	209	165	102	0		
197	248	222	183	119	32	0	
171	259	234	197	144	54	21	0



CONTROLLER CODE : 9000024747



## SOLAR PUMPING SYSTEM

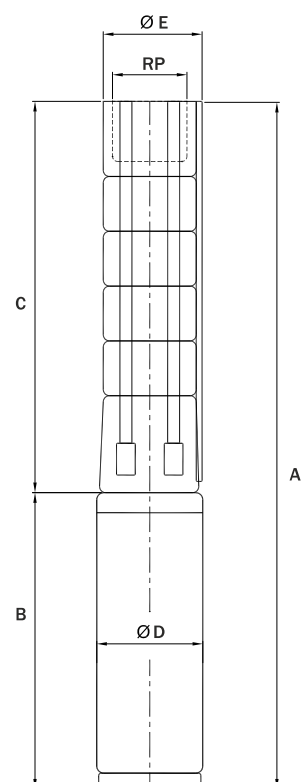
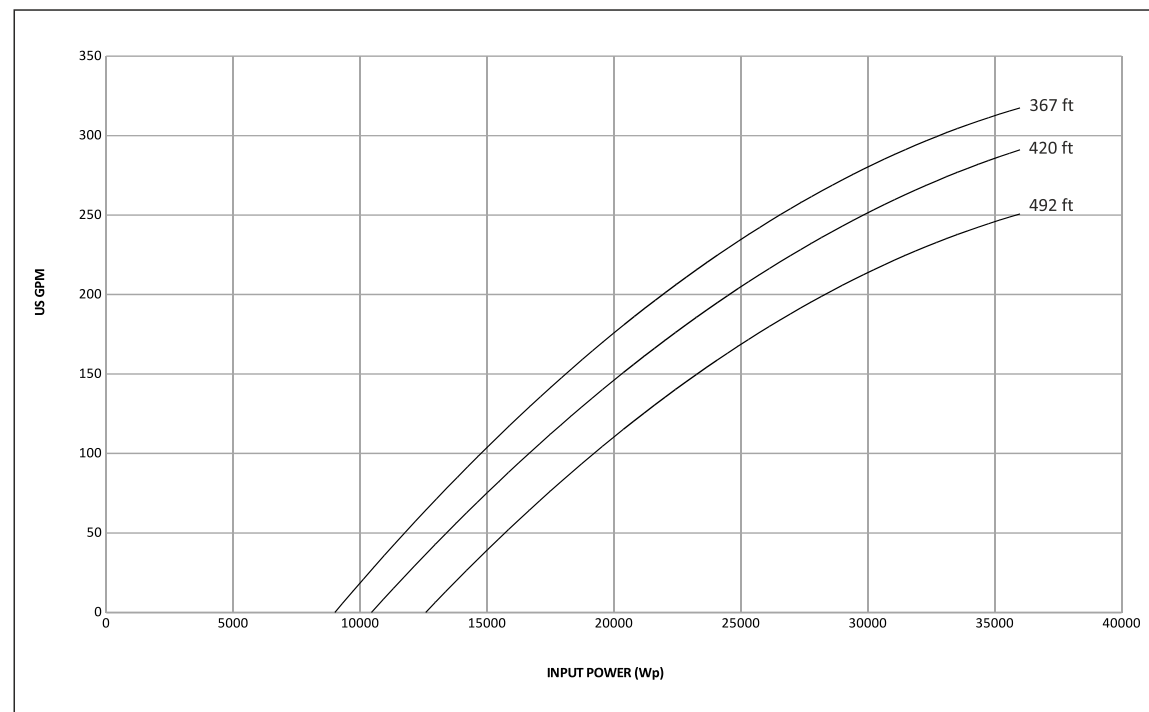
### SOLAR 252 DCSSP 36000

NPT 3" (8X6)

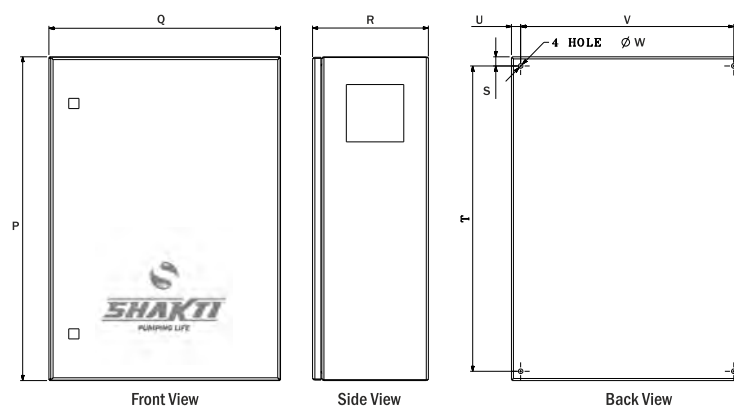
PUMPSET CODE 9500001811

DUTY HEAD 492 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	36000	27400	21350	17400	12800	10600	9000
HEAD (ft)	FLOW IN US GPM						
492	253	185	131	79	0		
420	292	226	159	119	40	0	
367	316	265	183	144	71	26	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

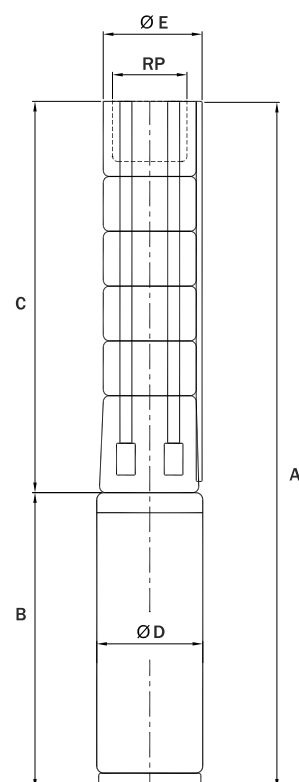
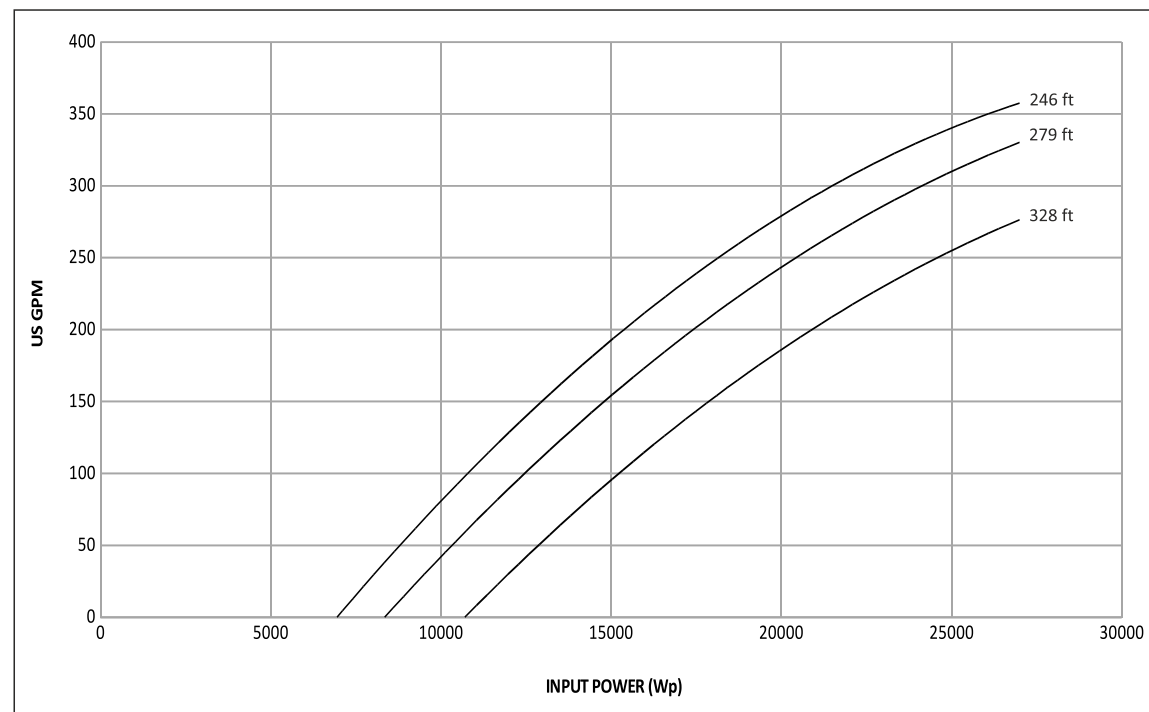
### SOLAR 277 DCSSP 27000

NPT 4" (6X6)

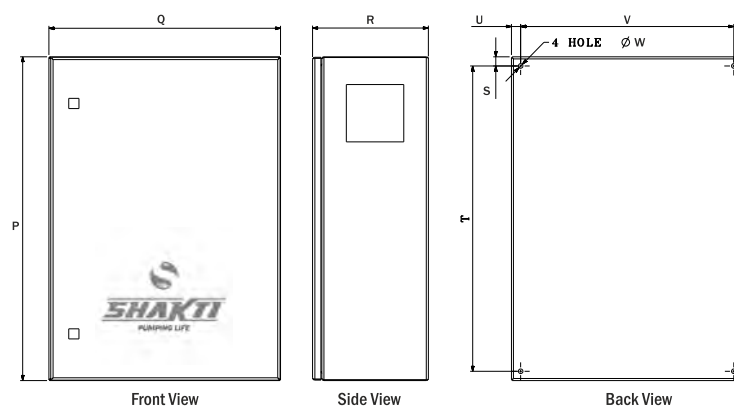
PUMPSET CODE 9500001801

DUTY HEAD 328 FEET

CHOKE CODE 9000023926



	INPUT POWER (Wp)						
	27000	21600	16200	13500	10800	8500	7000
HEAD (ft)	FLOW IN US GPM						
328	278	206	122	66	0		
279	331	267	172	127	66	0	
246	358	300	212	164	106	40	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

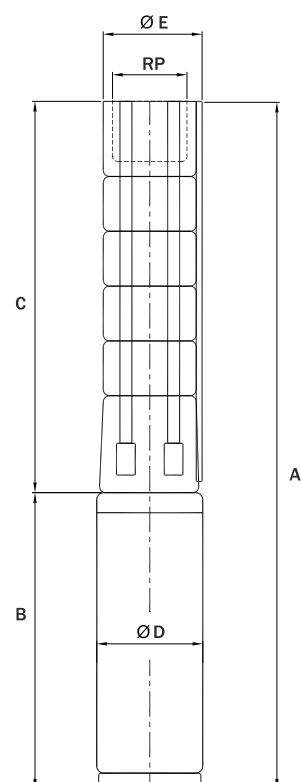
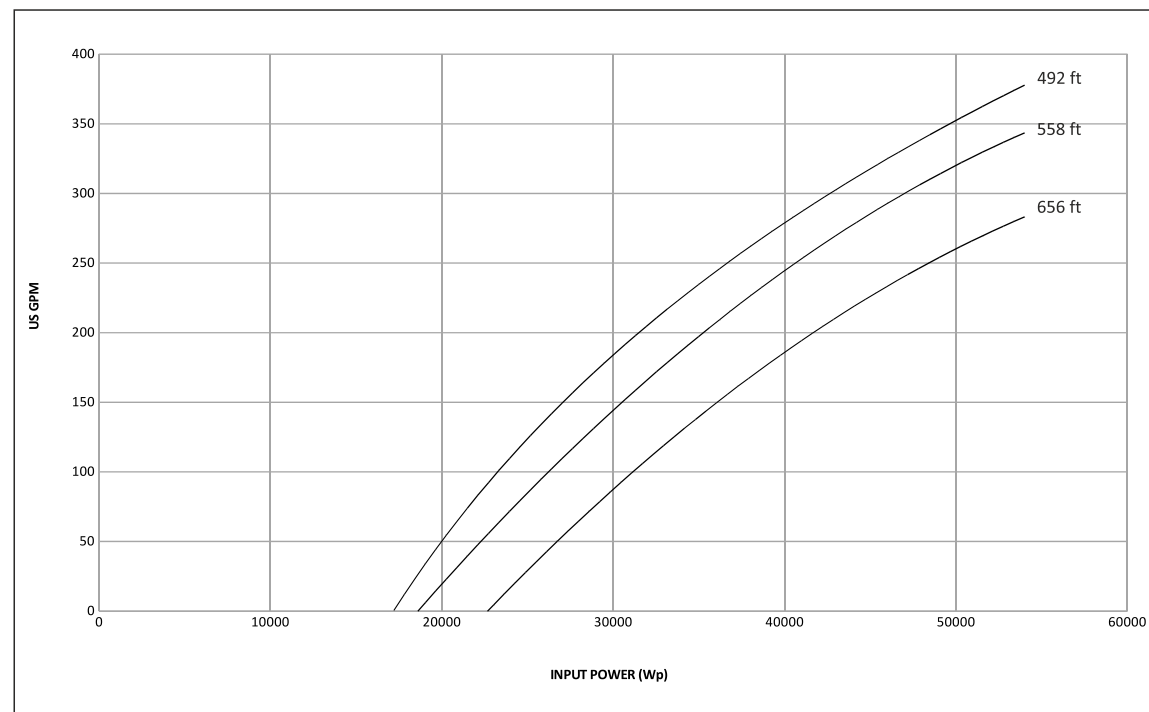
### SOLAR 285 DCSSP 54000

NPT 4" (8X6)

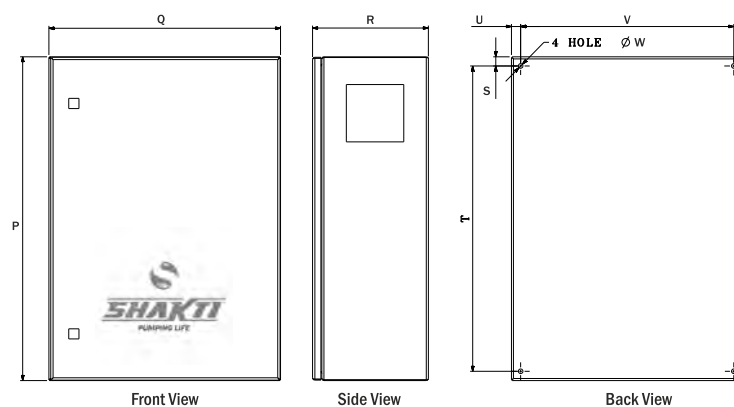
PUMPSET CODE 9500001825

DUTY HEAD 656 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	54000	43150	32350	27000	23200	19000	18000
HEAD (ft)	FLOW IN US GPM						
656	286	205	116	61	0		
558	344	270	176	93	79	0	
492	376	310	212	132	106	53	0



CONTROLLER CODE : 9000025382

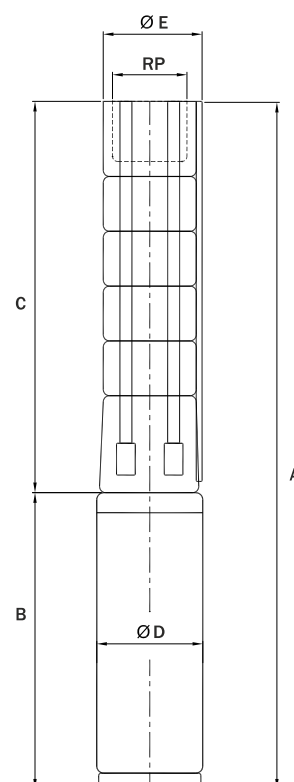
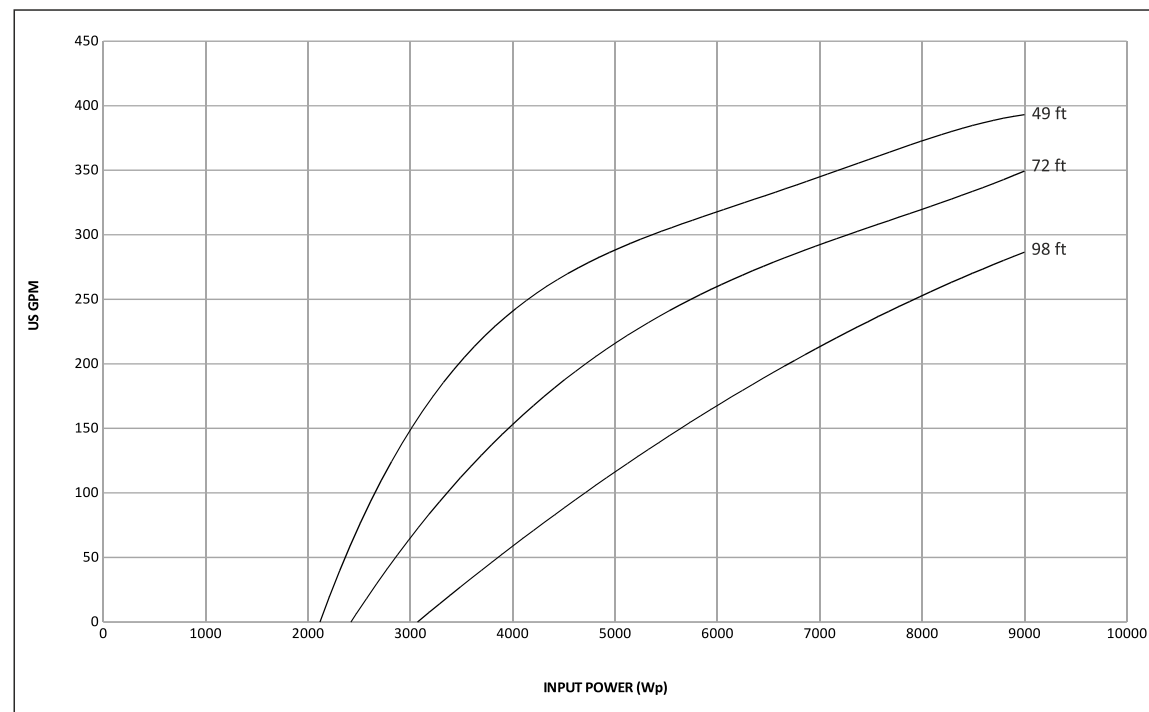
## SOLAR PUMPING SYSTEM

**SOLAR 288 DCSSP 9000**

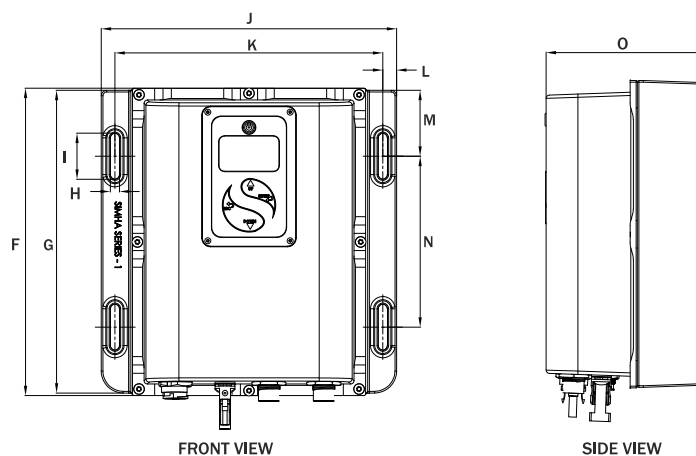
**NPT 4" (6X6)**

**PUMPSET CODE 9500000170**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	9000	7200	5400	3600	3150	2400	2100
HEAD (ft)	FLOW IN US GPM						
98	288	217	140	40	0		
72	349	299	233	132	69	0	
49	393	352	298	222	159	53	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

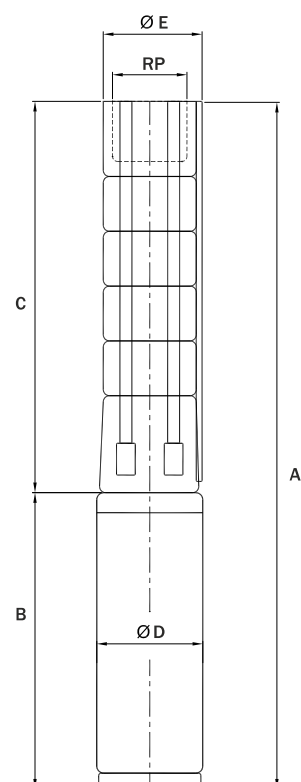
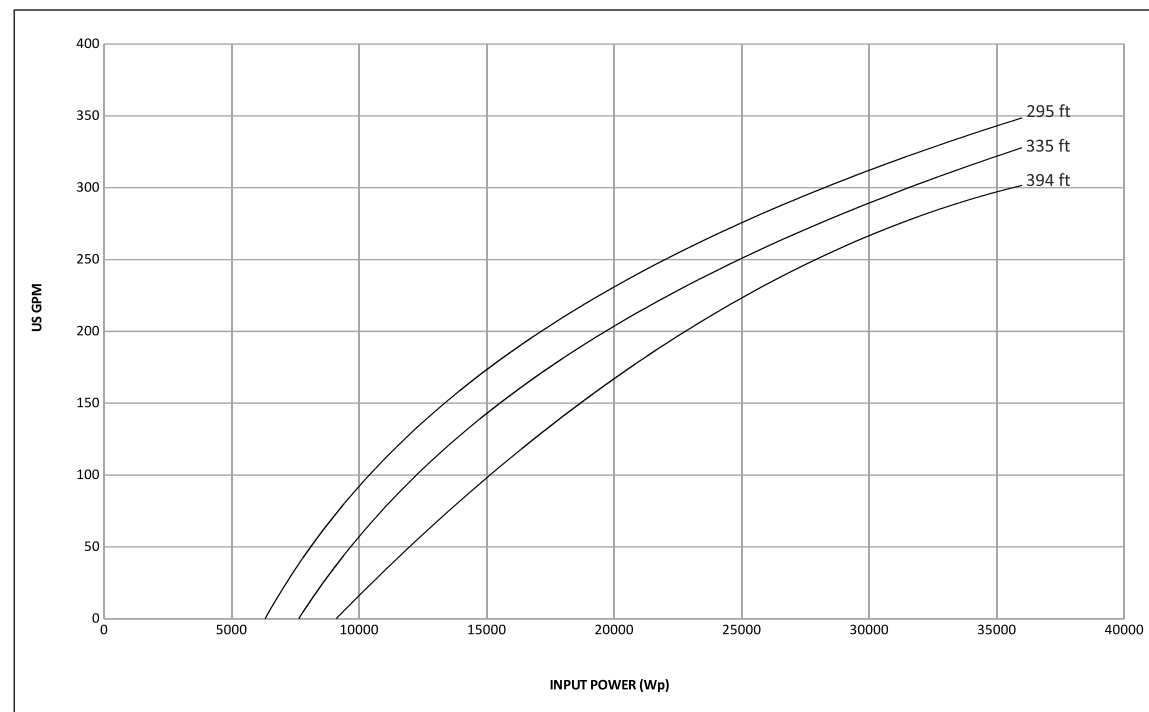
### SOLAR 304 DCSSP 36000

NPT 3" (8X6)

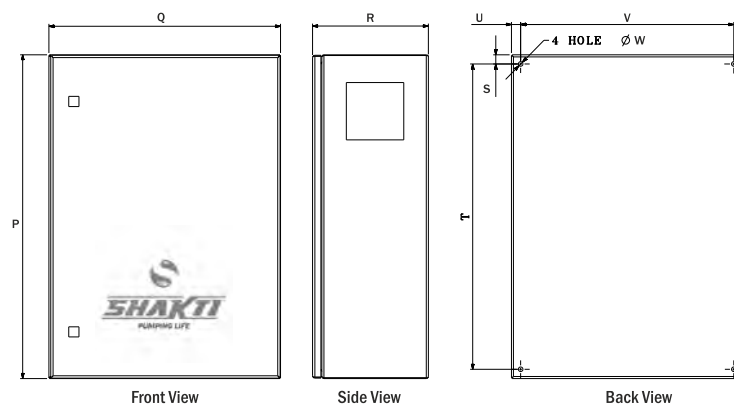
PUMPSET CODE 9500001810

DUTY HEAD 394 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	36000	29550	23400	14250	9500	7500	6500
HEAD (ft)	FLOW IN US GPM						
394	304	261	201	99	0		
335	327	279	249	131	40	0	
295	344	304	271	167	85	34	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

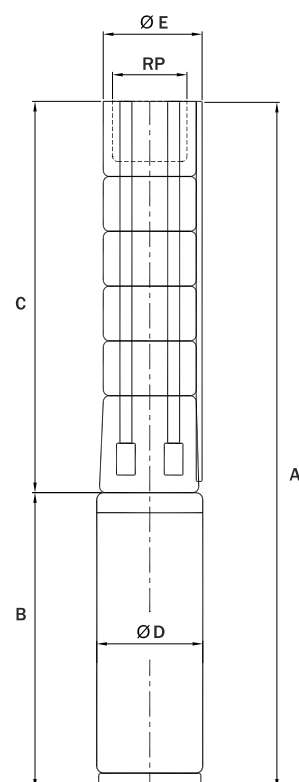
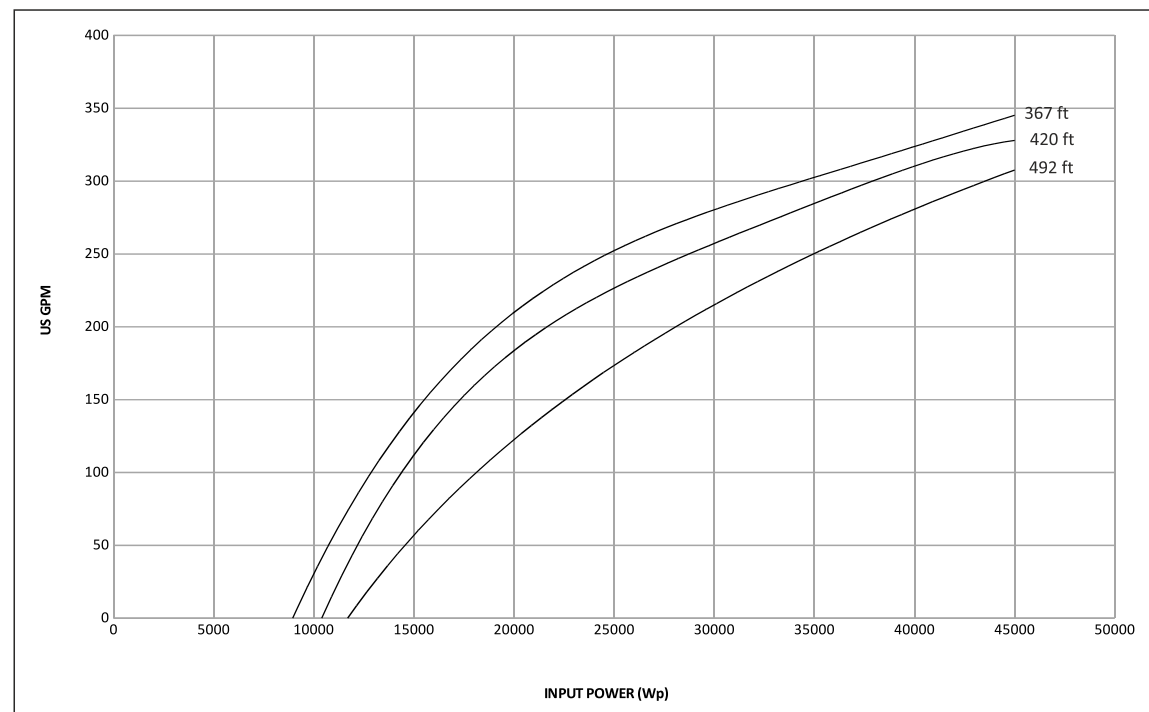
### SOLAR 308 DCSSP 45000

NPT 3" (8X6)

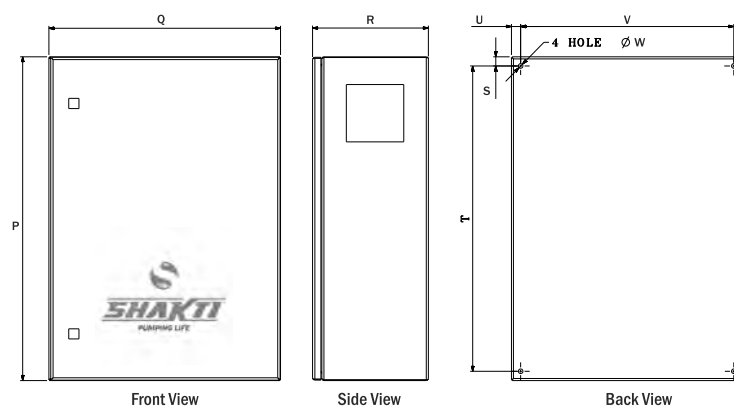
PUMPSET CODE 9500001819

DUTY HEAD 492 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	45000	35000	24250	16650	11850	10500	9000
HEAD (ft)	FLOW IN US GPM						
492	308	250	163	87	0		
420	328	284	222	138	46	0	
367	345	302	249	164	81	44	0



CONTROLLER CODE : 9000025382

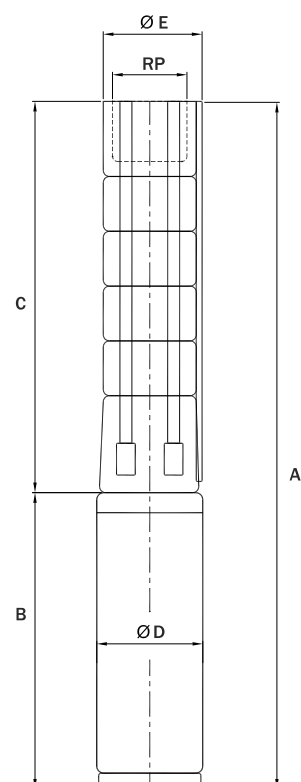
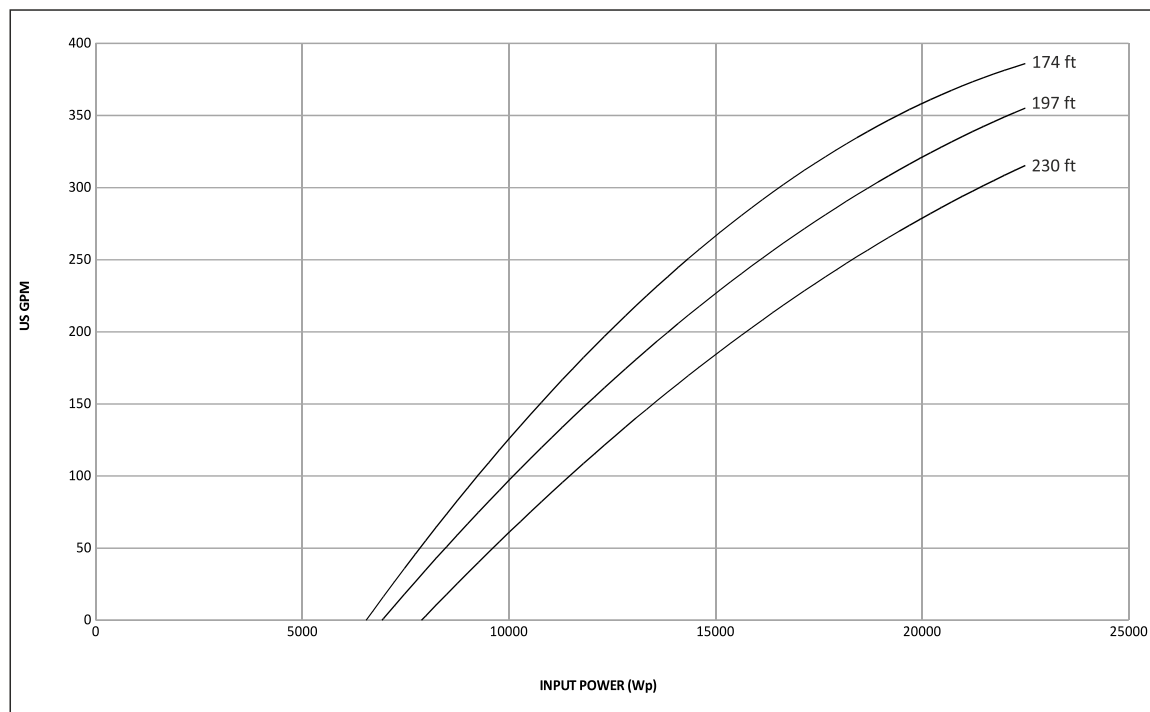
## SOLAR PUMPING SYSTEM

**SOLAR 317 DCSSP 22500**

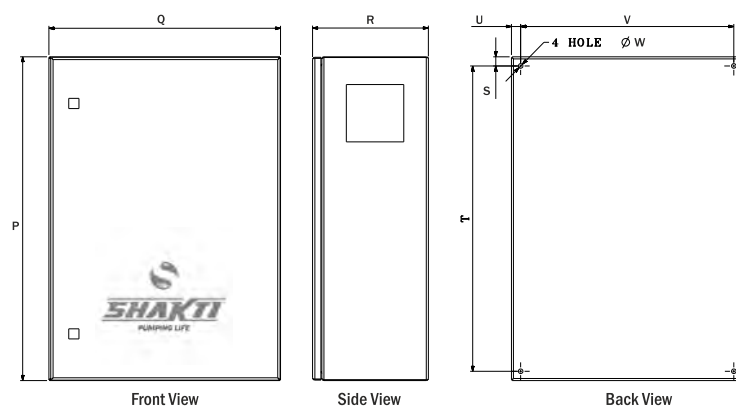
**NPT 4" (6X6)**

**PUMPSET CODE 9500000147**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	22500	18000	11200	9000	8100	6750	6300
HEAD (ft)	FLOW IN US GPM						
230	317	239	98	37	0		
197	352	295	126	66	34	0	
174	378	344	159	79	53	13	0



CONTROLLER CODE : 9000024747

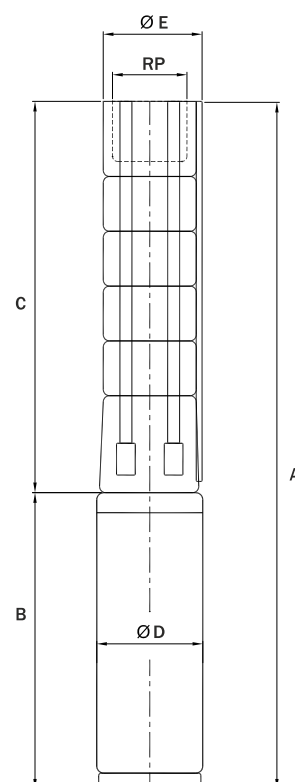
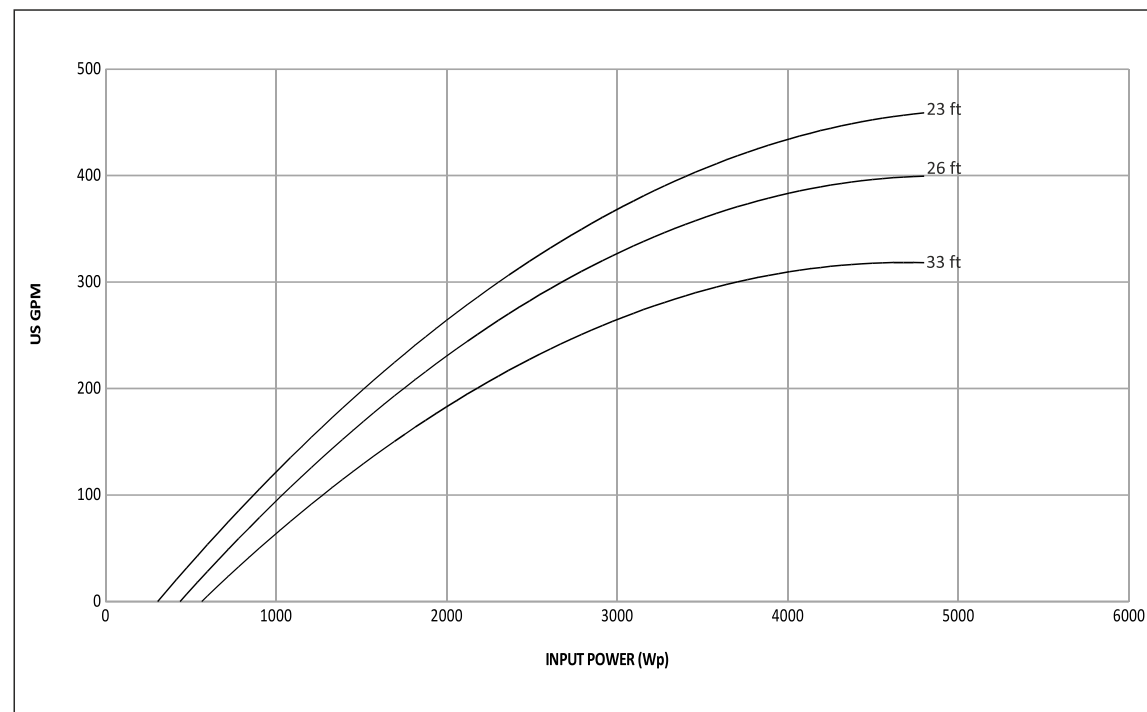
# SOLAR PUMPING SYSTEM

SOLAR 324 DCSSP 4800

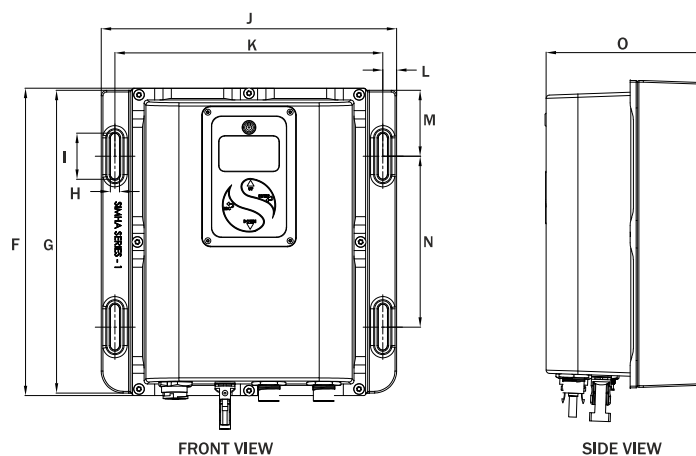
NPT 4" (4X6)

PUMPSET CODE 9500000135

DUTY HEAD 33 FEET



	INPUT POWER (Wp)						
	4800	3400	2150	1300	650	500	300
HEAD (ft)	FLOW IN US GPM						
33	324	271	202	122	0		
26	405	339	253	152	40	0	
23	463	388	289	174	66	26	0



CONTROLLER CODE : 9600000005



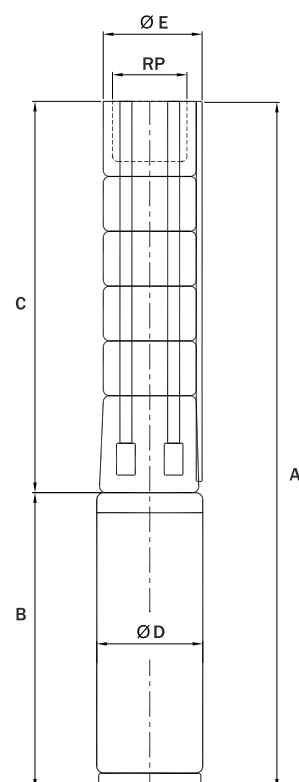
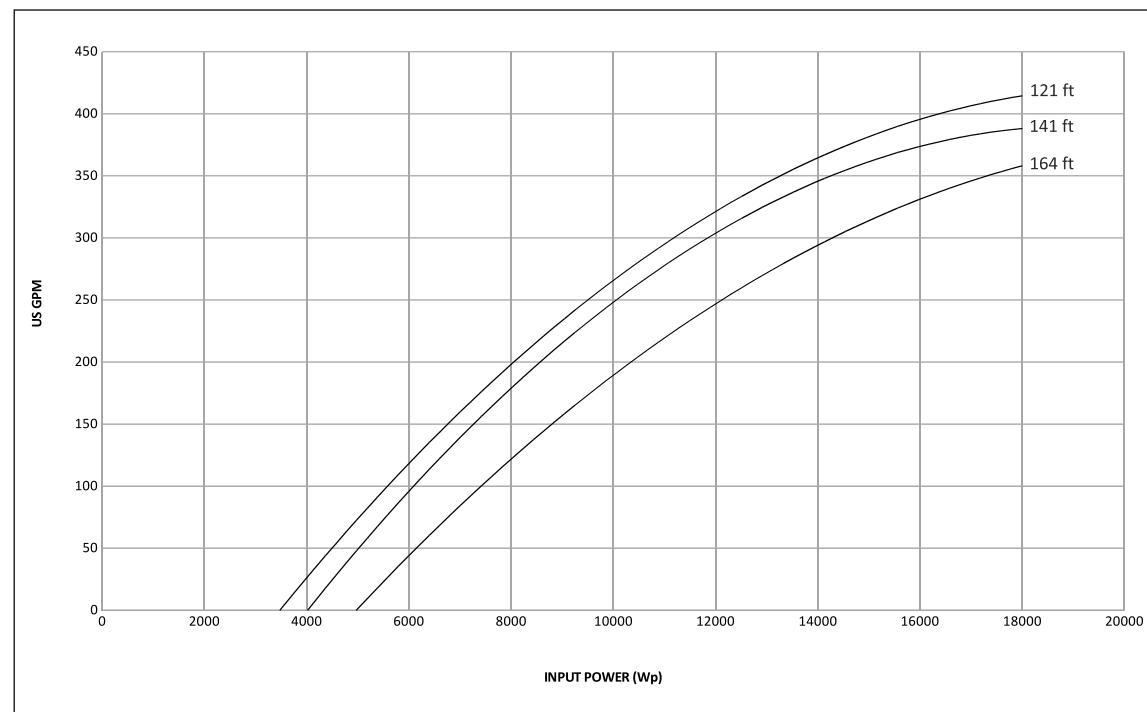
## SOLAR PUMPING SYSTEM

**SOLAR 359 DCSSP 18000**

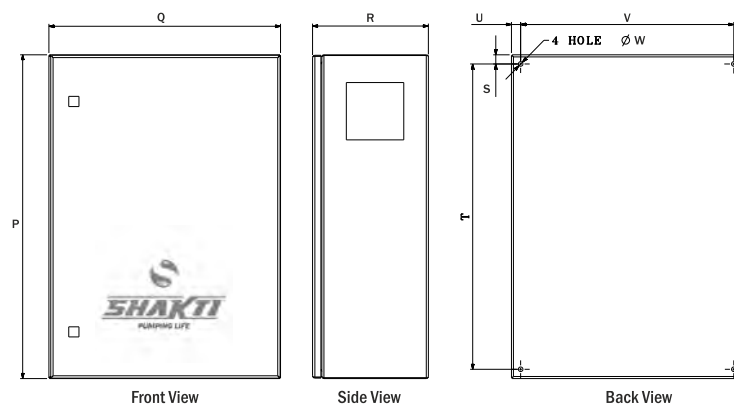
**NPT 4" (6X6)**

**PUMPSET CODE 9500000582**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	18000	15450	11550	7200	5050	4100	3400
HEAD (ft)	FLOW IN US GPM						
164	360	320	233	98	0		
141	392	362	291	153	53	0	
121	418	384	307	176	79	20	0



CONTROLLER CODE : 9000024747

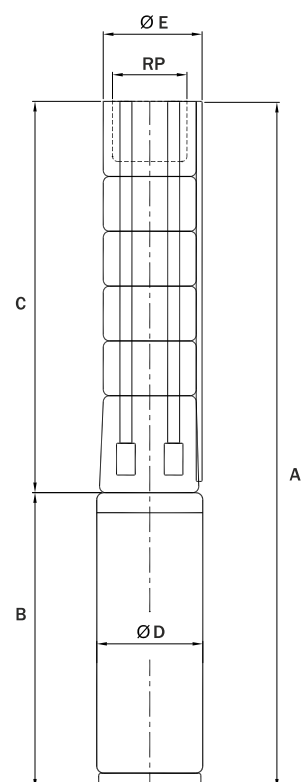
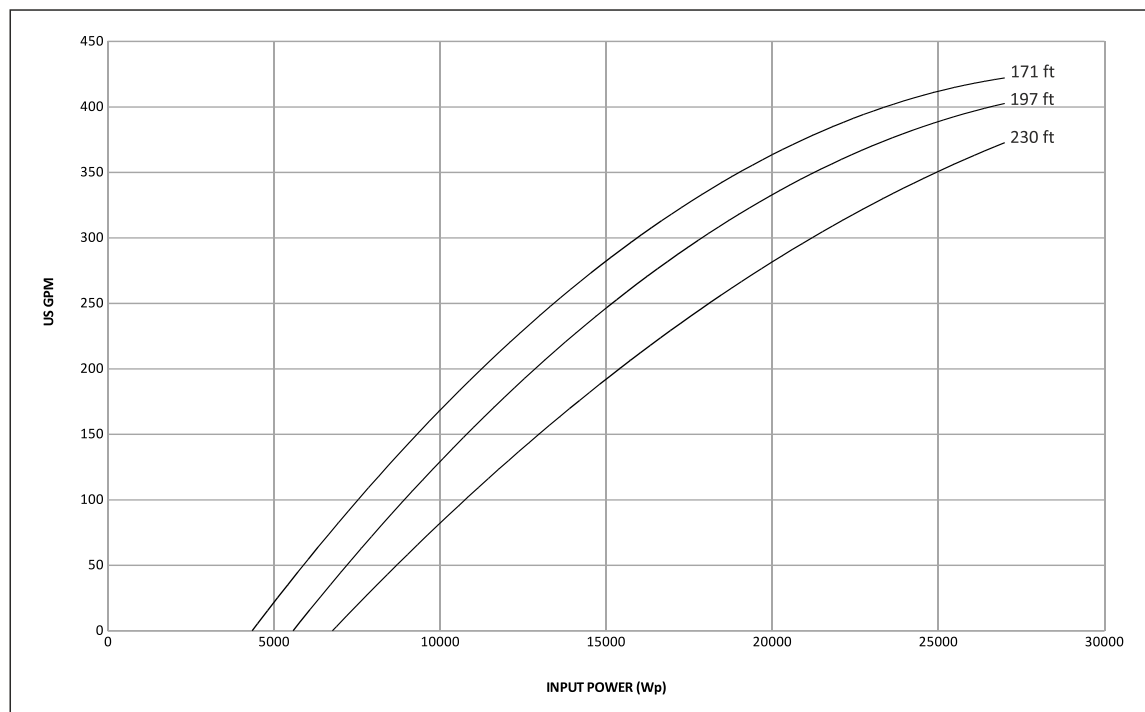
## SOLAR PUMPING SYSTEM

**SOLAR 373 DCSSP 27000**

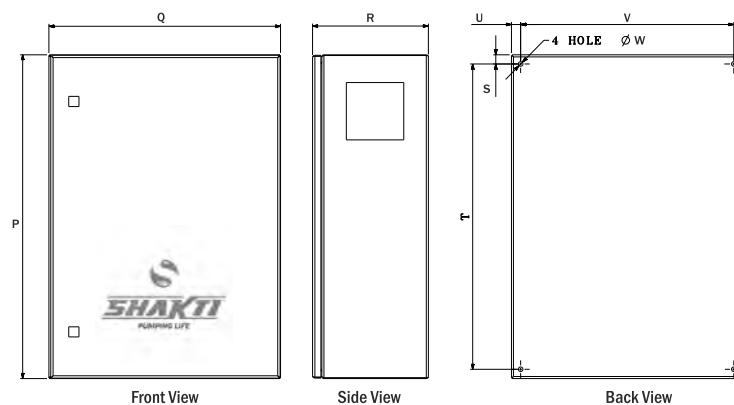
**NPT 4" (6X6)**

**PUMPSET CODE 9500001800**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	27000	21550	16200	8050	6700	5800	4800
HEAD (ft)	FLOW IN US GPM						
230	373	304	217	32	0		
197	405	349	271	79	40	0	
171	427	373	304	124	82	52	0



CONTROLLER CODE : 9000025381

## SOLAR PUMPING SYSTEM

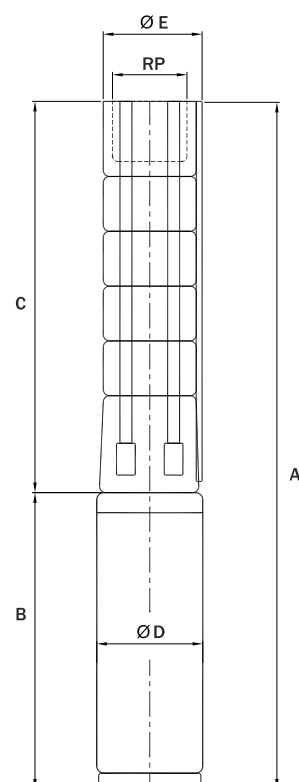
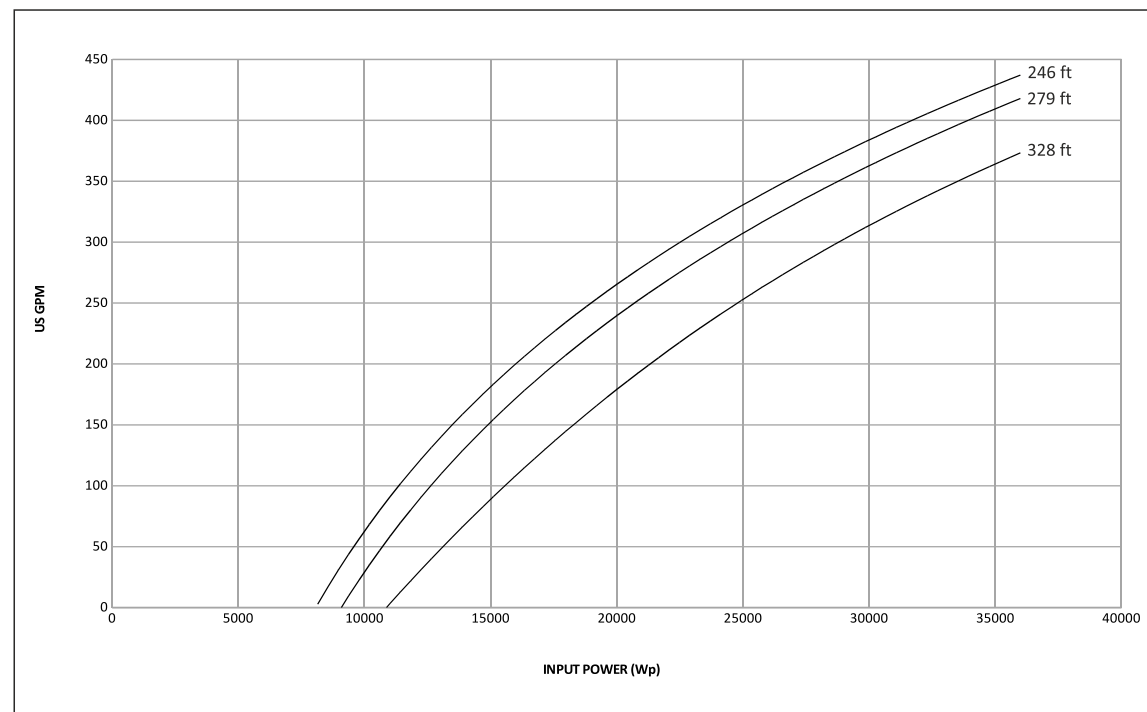
### SOLAR 373 DCSSP 36000

NPT 4" (6X6)

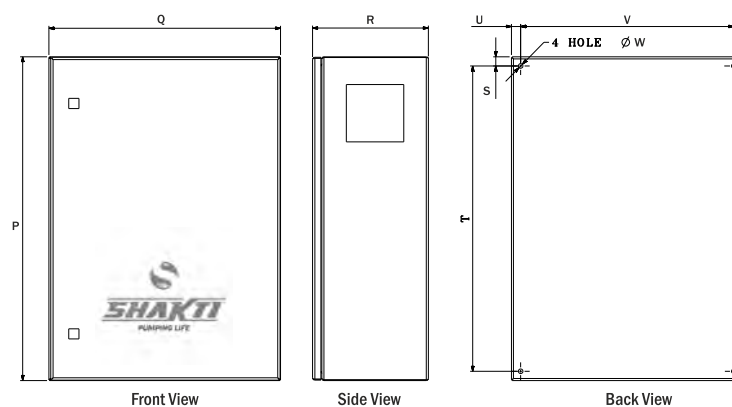
PUMPSET CODE 9500001809

DUTY HEAD 328 FEET

CHOKE CODE 9000025819



	INPUT POWER (Wp)						
	36000	28600	20600	17050	10900	9200	8500
HEAD (ft)	FLOW IN US GPM						
328	373	299	185	131	0		
279	407	347	265	198	48	0	
246	426	365	292	225	93	40	0



CONTROLLER CODE : 9000025381

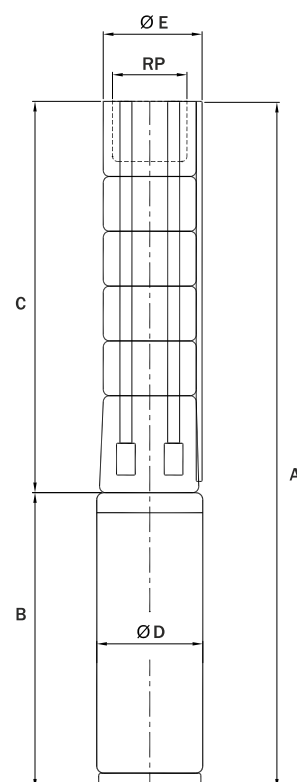
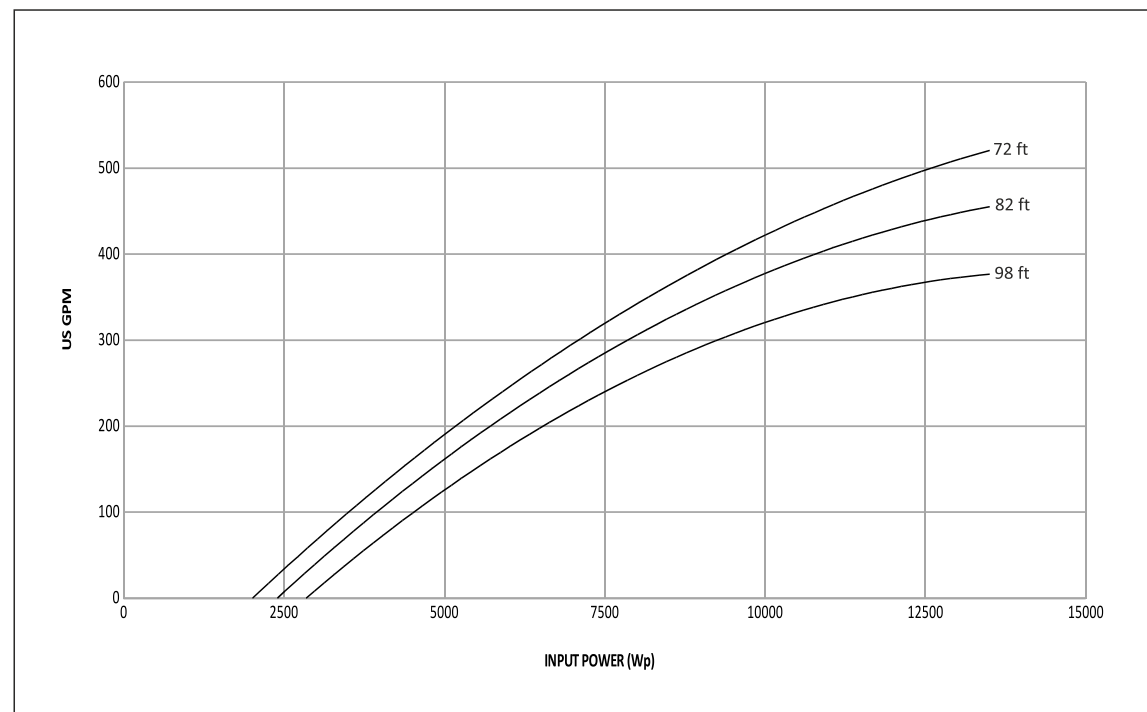
## SOLAR PUMPING SYSTEM

**SOLAR 379 DCSSP 13500**

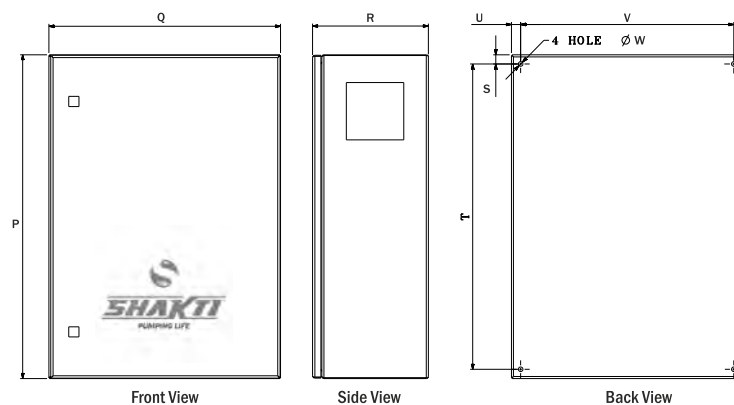
**NPT 4" (6X6)**

**PUMPSET CODE 9500000572**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	13500	10350	6850	4400	2950	2500	2000
HEAD (ft)	FLOW IN US GPM						
98	380	322	215	102	0		
82	456	386	258	122	48	0	
72	518	439	294	139	66	40	0



CONTROLLER CODE : 9000024747

## SOLAR PUMPING SYSTEM

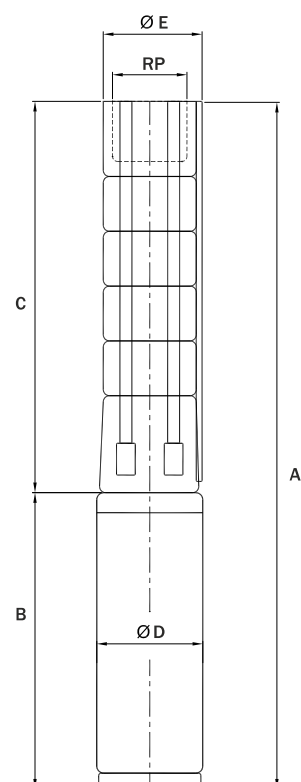
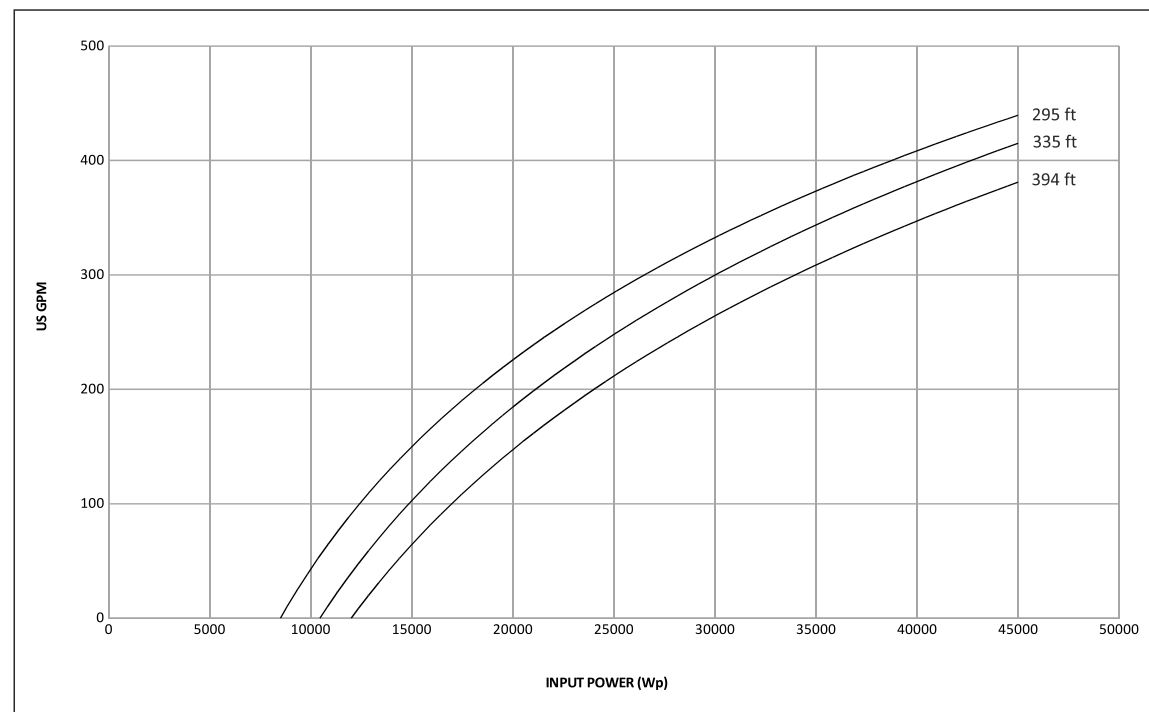
### SOLAR 384 DCSSP 45000

NPT 4" (8X6)

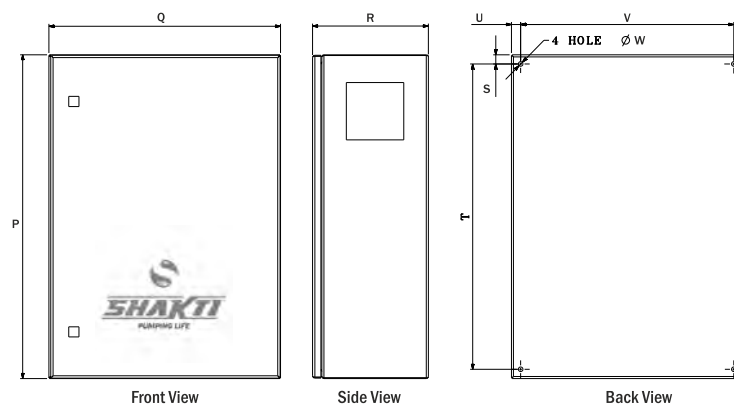
PUMPSET CODE 9500001818

DUTY HEAD 394 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	45000	35950	22450	18000	11700	10000	7800
HEAD (ft)	FLOW IN US GPM						
394	384	319	175	110	0		
335	418	369	198	132	40	0	
295	435	388	272	185	66	32	0



CONTROLLER CODE : 9000025382

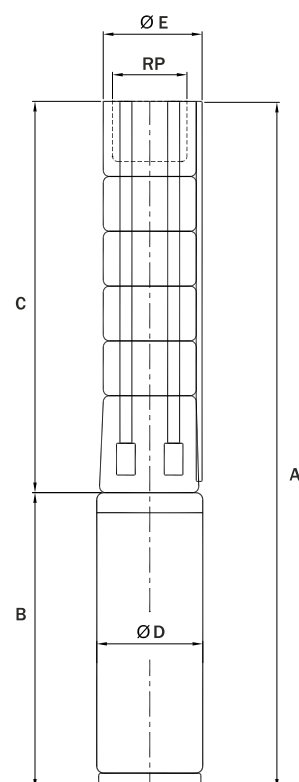
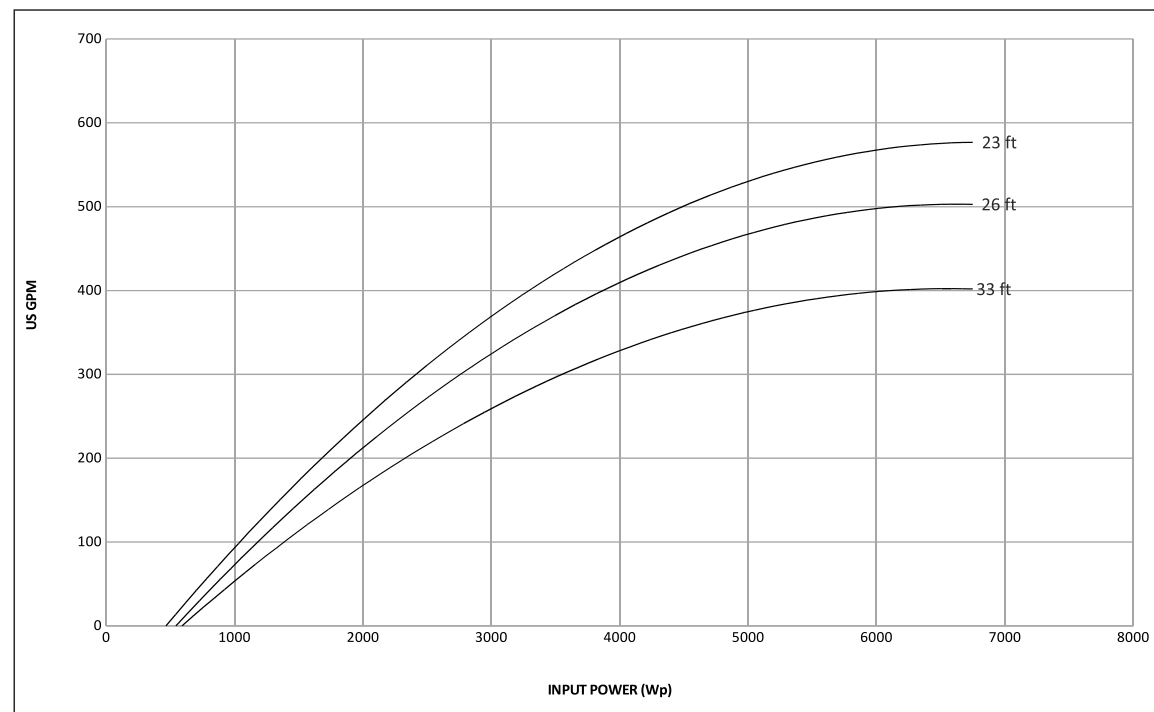
# SOLAR PUMPING SYSTEM

SOLAR 410 DCSSP 6750

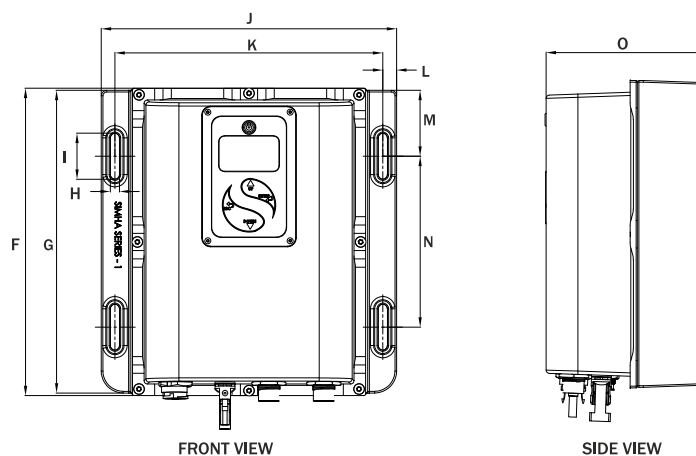
NPT 4" (4X6)

PUMPSET CODE 9500000158

DUTY HEAD 33 FEET



	INPUT POWER (Wp)						
	6750	5050	3000	1100	750	600	400
HEAD (ft)	FLOW IN US GPM						
33	410	357	271	86	0	0	0
26	513	446	339	107	22	0	0
23	586	510	387	123	34	11	0



CONTROLLER CODE : 9600000023

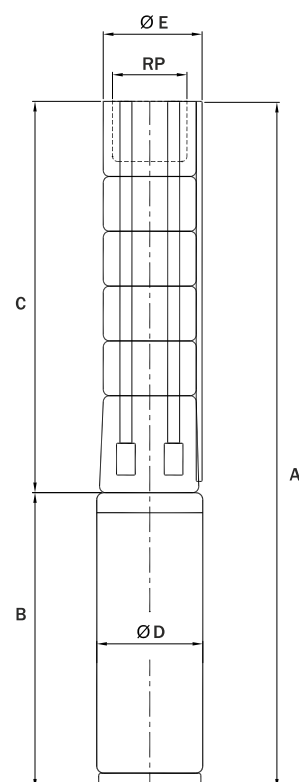
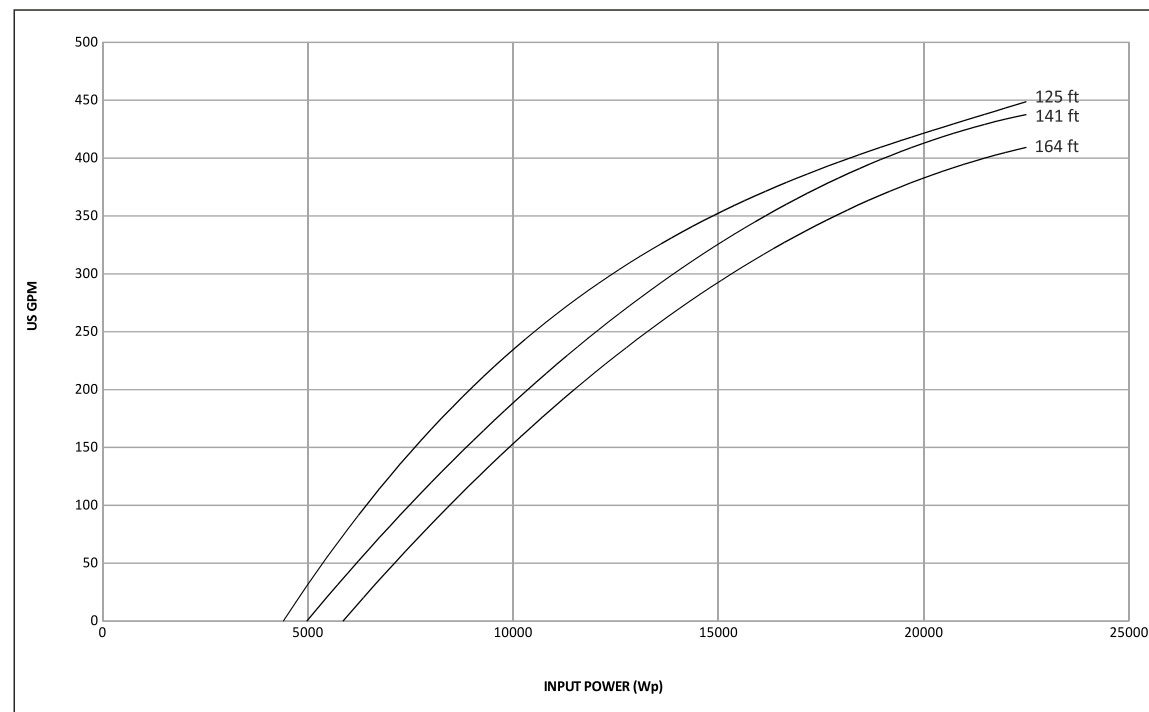
## SOLAR PUMPING SYSTEM

### SOLAR 411 DCSSP 22500

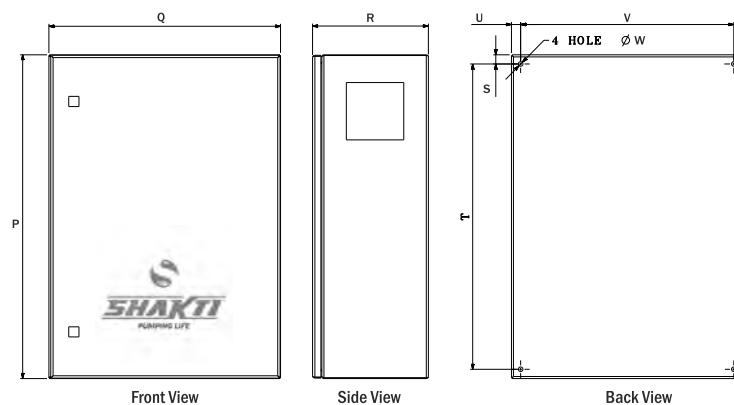
NPT 4" (6X6)

PUMPSET CODE 9500000146

DUTY HEAD 164 FEET



	INPUT POWER (Wp)						
	22500	16600	10700	7900	6050	5000	4250
HEAD (ft)	FLOW IN US GPM						
164	411	321	177	90	0		
141	437	362	212	106	53	0	
125	450	374	265	159	77	26	0



CONTROLLER CODE : 9000024747

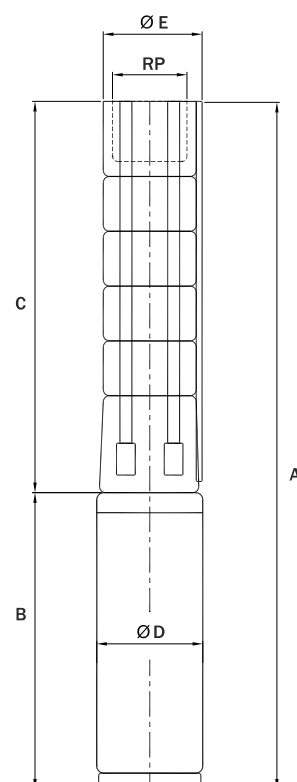
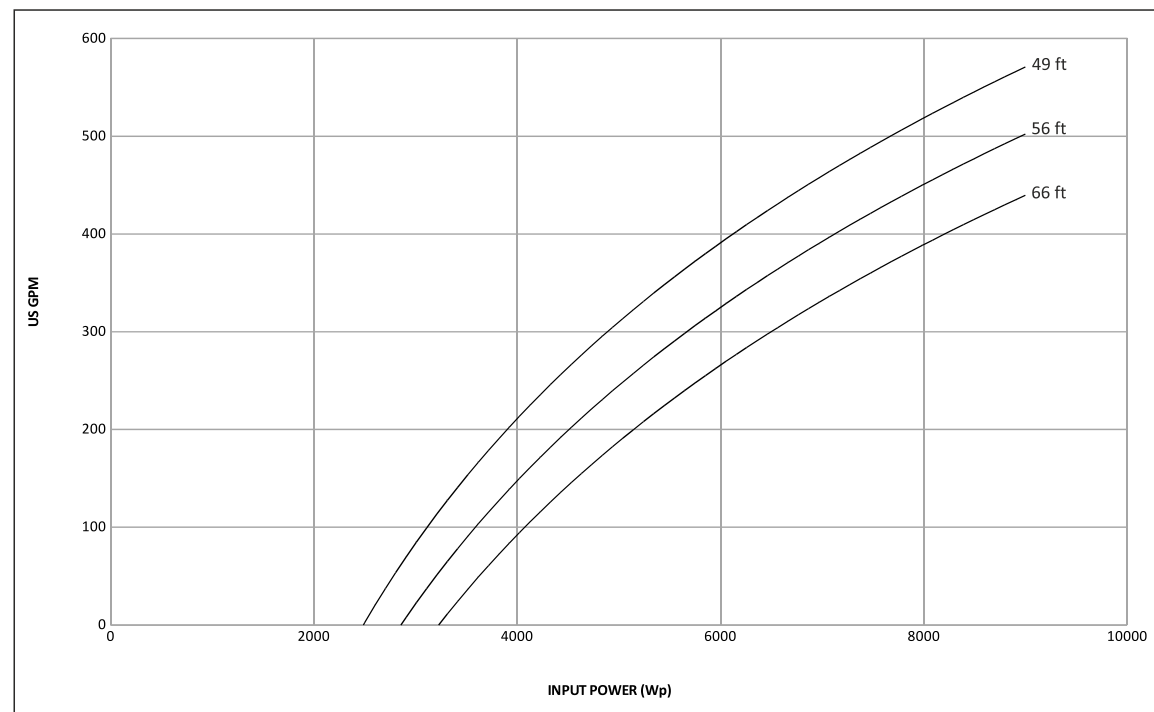
## SOLAR PUMPING SYSTEM

**SOLAR 420 DCSSP 9000**

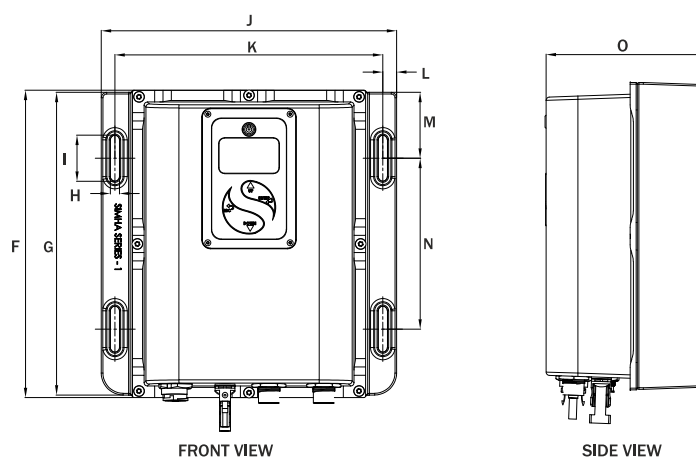
**NPT 4" (6X8)**

**PUMPSET CODE 9500000169**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	9000	8100	6300	4500	3150	2650	2500
HEAD (ft)	FLOW IN US GPM						
66	448	401	269	135	0		
56	528	472	316	159	40	0	
49	545	528	434	288	79	32	0



CONTROLLER CODE : 9600000023



## SOLAR PUMPING SYSTEM

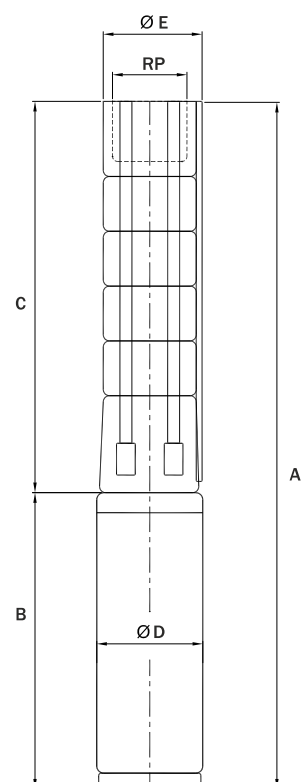
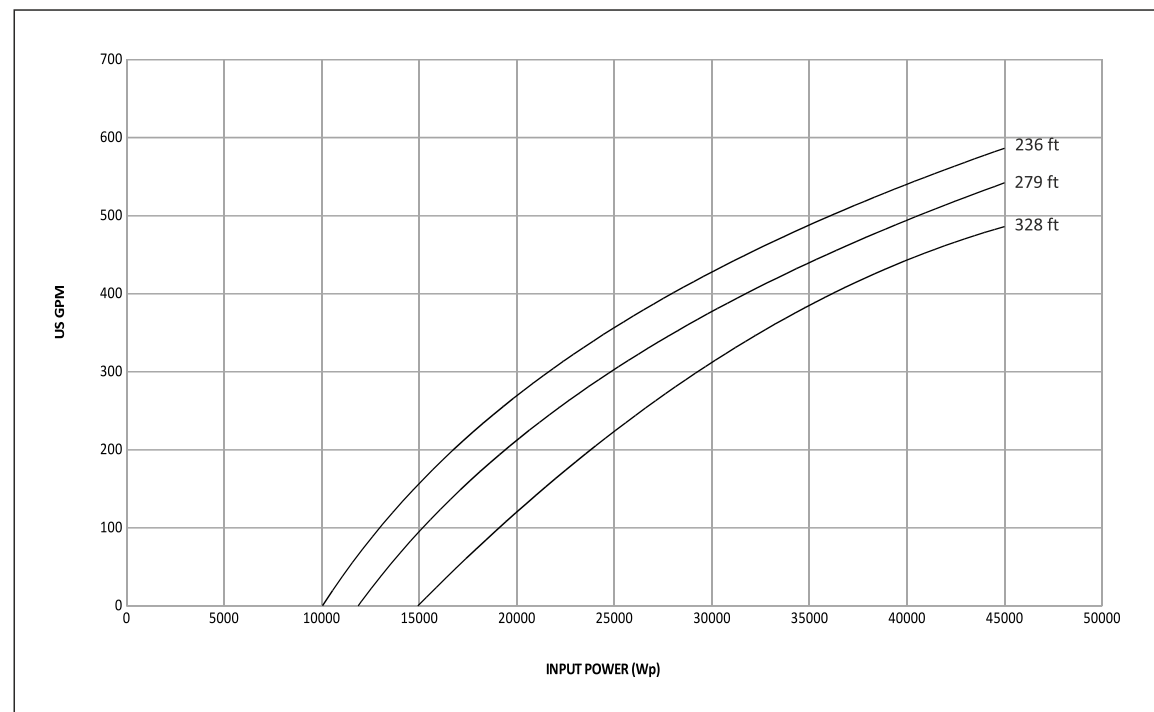
### SOLAR 488 DCSSP 45000

NPT 4" (8X8)

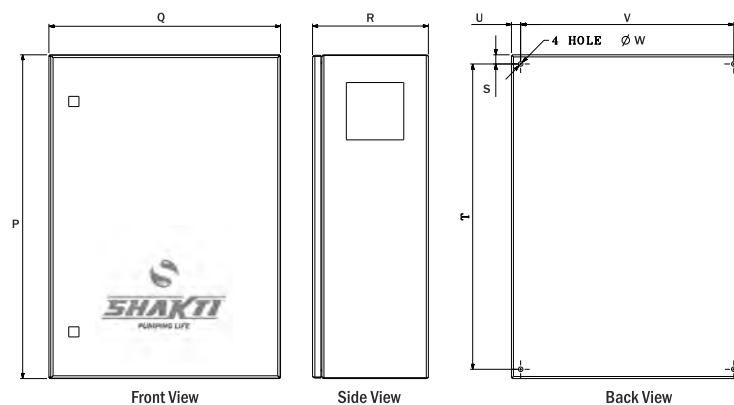
PUMPSET CODE 9500001817

DUTY HEAD 328 FEET

CHOKE CODE 9000025819



	INPUT POWER (Wp)						
	45000	36300	22000	16600	15000	12500	10600
HEAD (ft)	FLOW IN US GPM						
328	488	397	169	40	0		
279	534	463	238	159	106	0	
236	577	503	317	198	167	93	0



CONTROLLER CODE : 9000025382

## SOLAR PUMPING SYSTEM

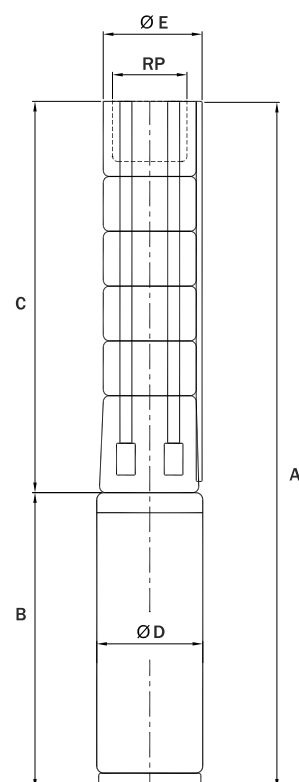
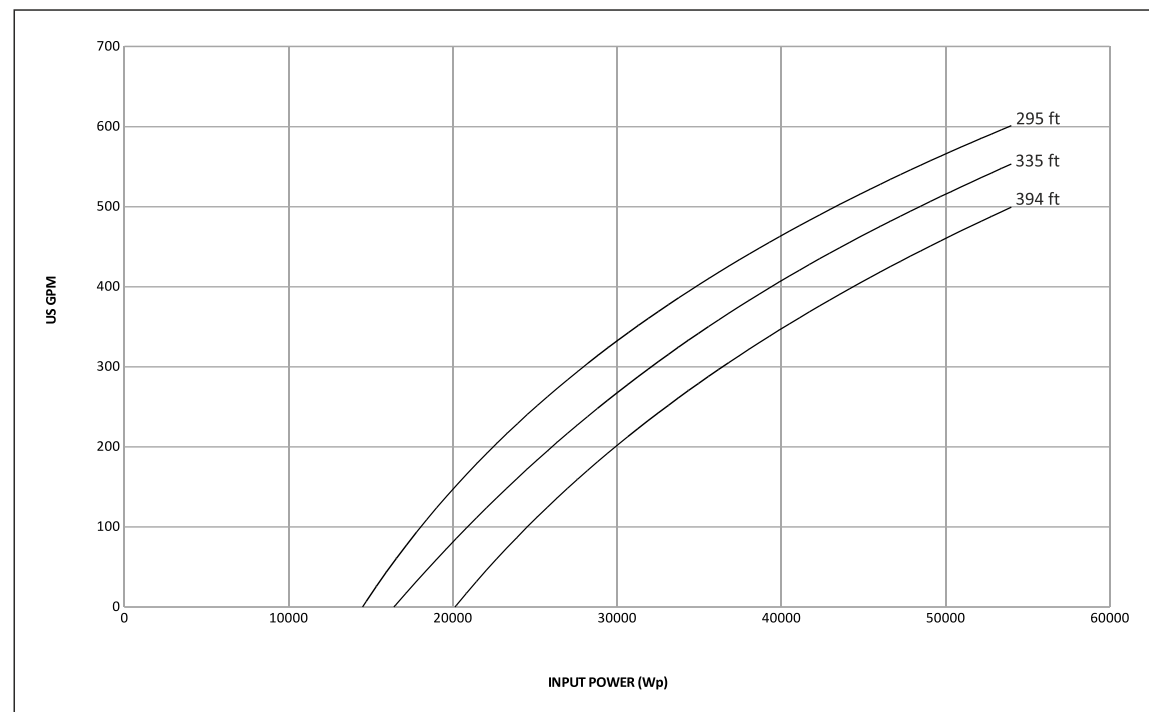
### SOLAR 500 DCSSP 54000

NPT 4" (8X8)

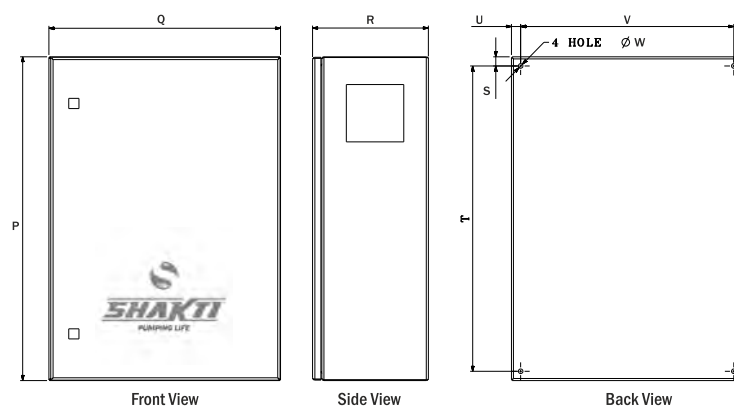
PUMPSET CODE 9500001824

DUTY HEAD 394 FEET

CHOKE CODE 9000025820



	INPUT POWER (Wp)						
	54000	43200	32400	27000	20500	16100	14000
HEAD (ft)	FLOW IN US GPM						
394	500	380	242	163	0		
335	556	435	323	212	79	0	
295	593	509	390	265	146	40	0



CONTROLLER CODE : 9000025382

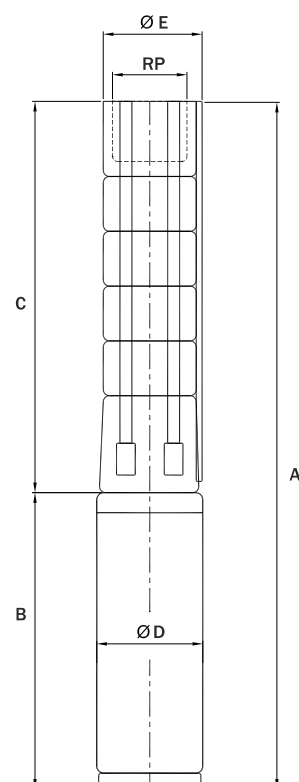
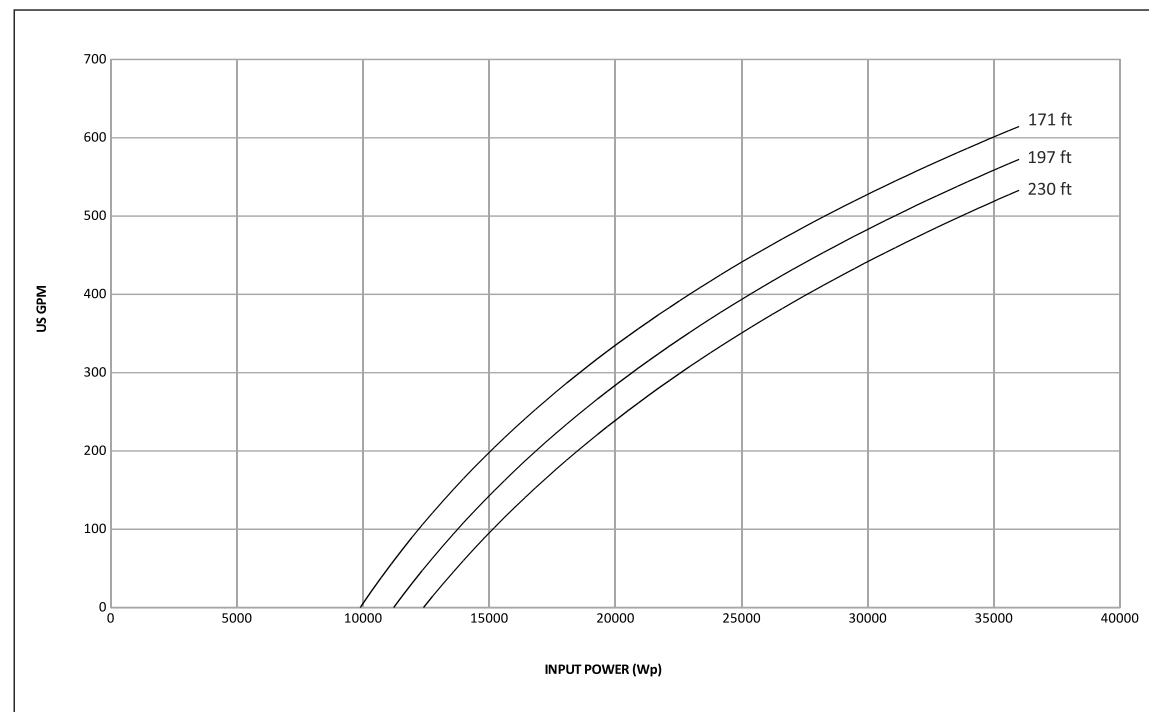
## SOLAR PUMPING SYSTEM

**SOLAR 526 DCSSP 36000**

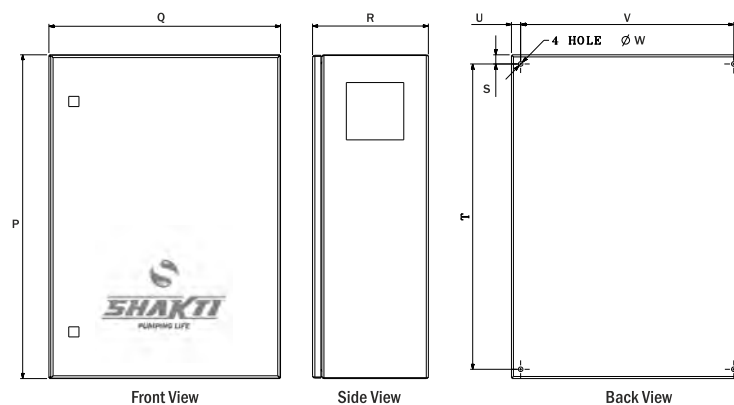
**NPT 4" (8X8)**

**PUMPSET CODE 9500001808**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	36000	33100	24050	17400	12650	11000	10000
HEAD (ft)	FLOW IN US GPM						
230	526	495	328	185	0		
197	579	516	384	225	40	0	
171	611	556	450	265	151	21	0



CONTROLLER CODE : 9000025381

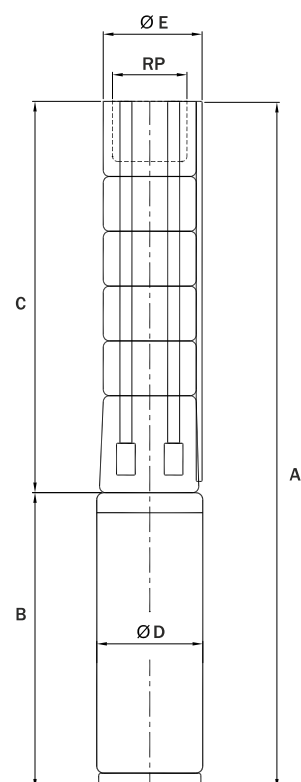
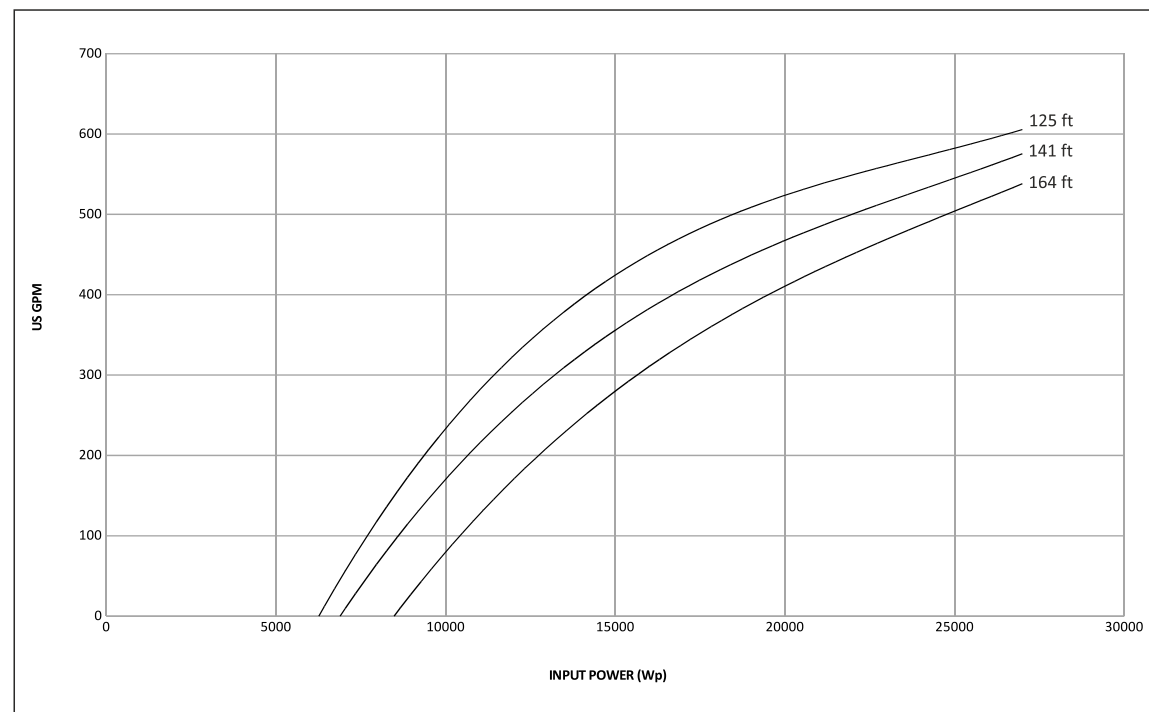
## SOLAR PUMPING SYSTEM

**SOLAR 537 DCSSP 27000**

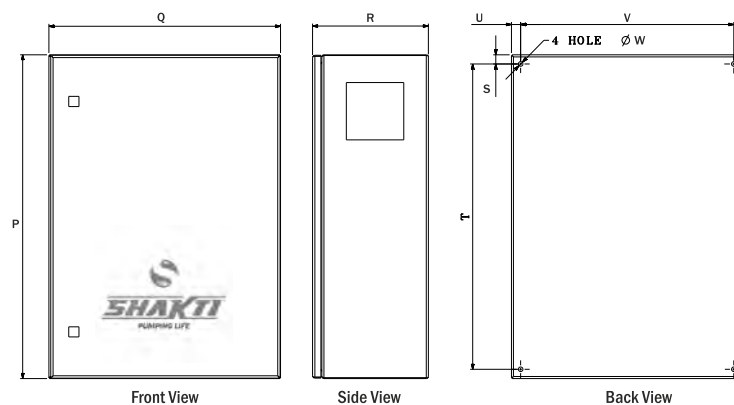
**NPT 4" (6X8)**

**PUMPSET CODE 9500001799**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	27000	22140	14210	10440	8620	6850	6170
HEAD (ft)	FLOW IN US GPM						
164	537	456	245	115	0		
141	575	503	331	197	93	0	
125	606	550	402	254	161	32	0



CONTROLLER CODE : 9000025381

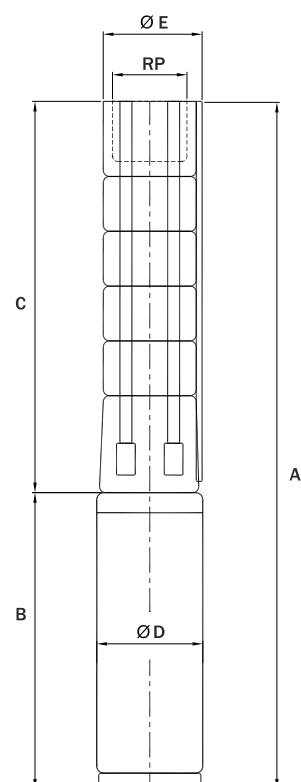
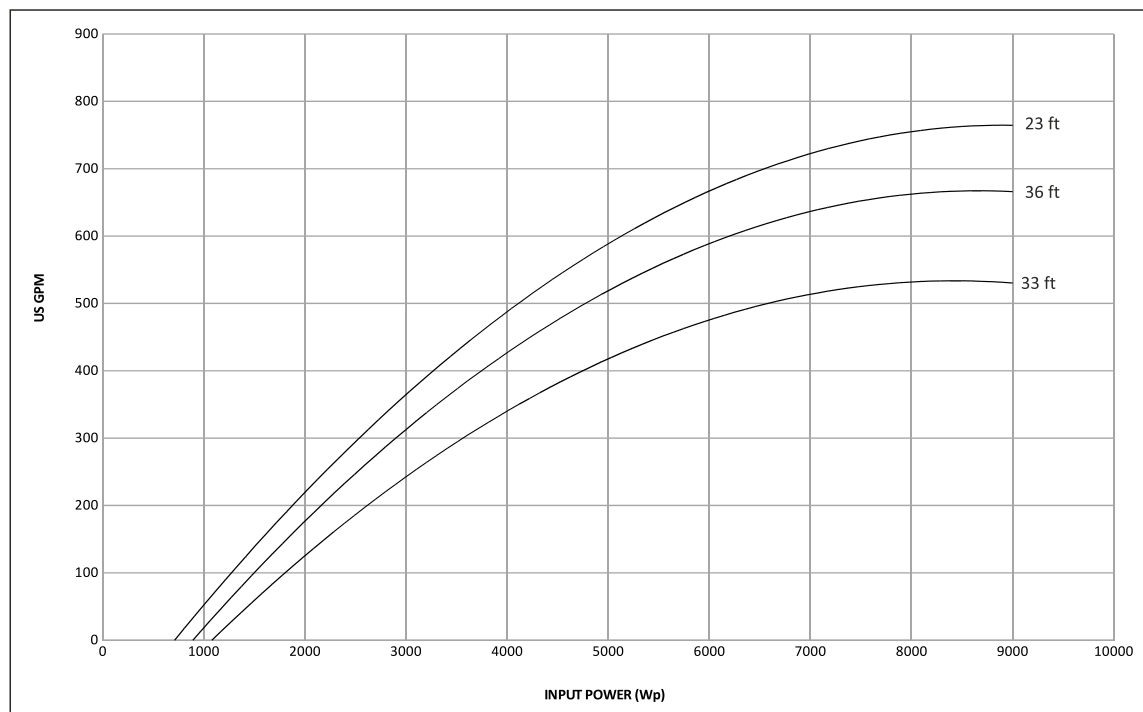
## SOLAR PUMPING SYSTEM

**SOLAR 539 DCSSP 9000**

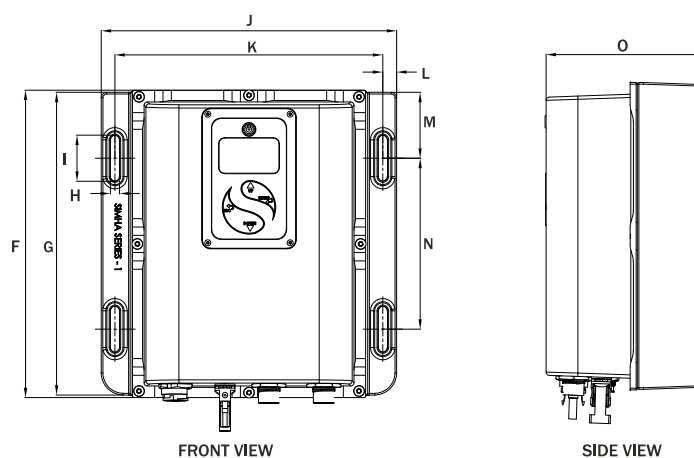
**NPT 4" (6X8)**

**PUMPSET CODE 9500000168**

**DUTY HEAD 33 FEET**



	INPUT POWER (Wp)						
	9000	7150	4450	1350	1200	800	600
HEAD (ft)	FLOW IN US GPM						
33	540	497	392	53	0		
26	675	622	489	79	26	0	
23	771	711	559	106	53	26	0



CONTROLLER CODE : 9600000023

## SOLAR PUMPING SYSTEM

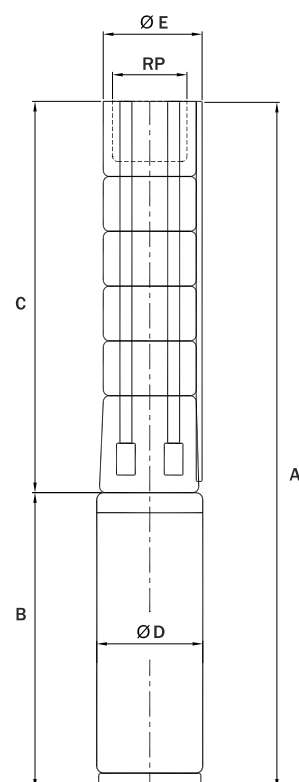
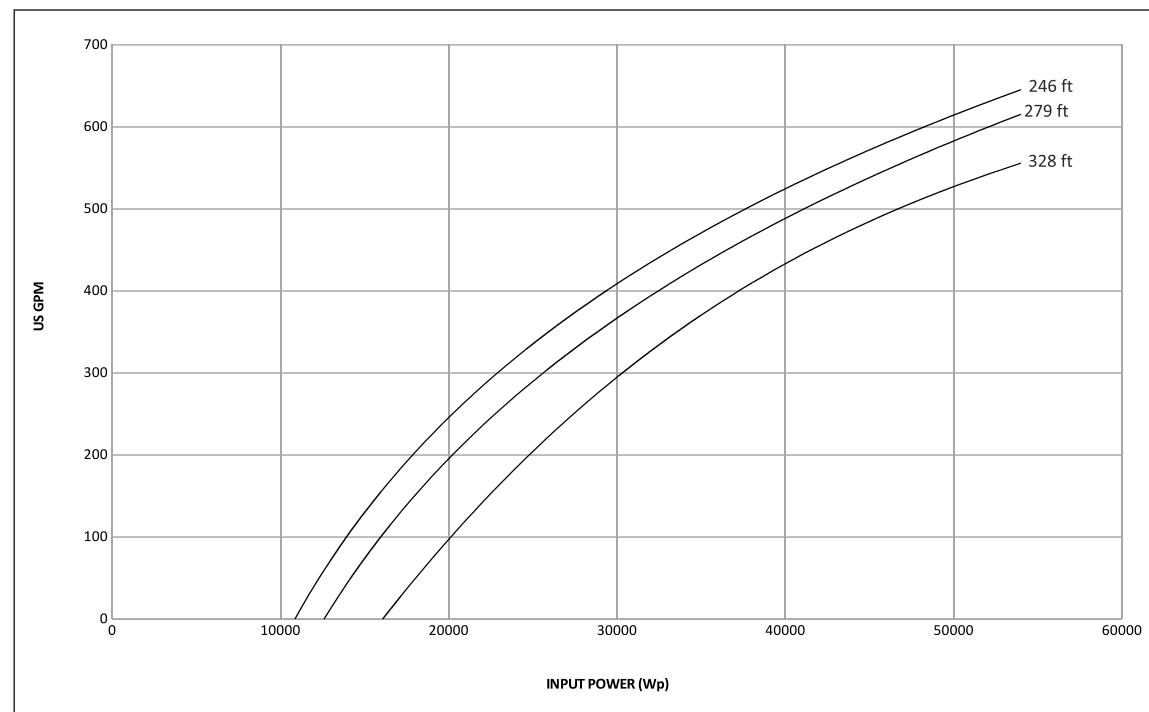
### SOLAR 555 DCSSP 54000

NPT 4" (8X8)

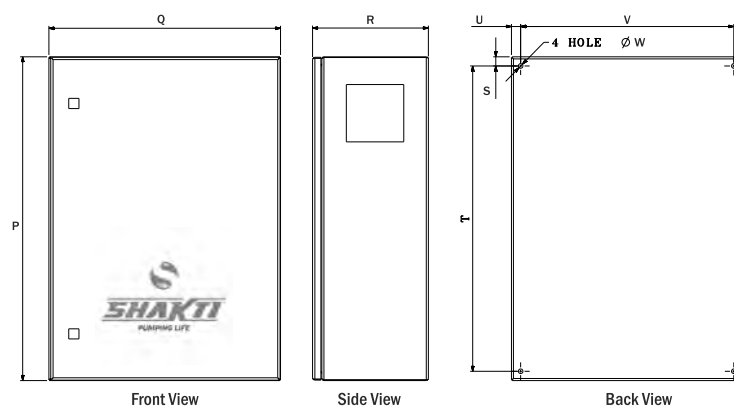
PUMPSET CODE 9500001823

DUTY HEAD 328 FEET

CHOKE CODE 9000025819



	INPUT POWER (Wp)						
	54000	43200	32350	21600	16100	12000	11000
HEAD (ft)	FLOW IN US GPM						
328	556	468	331	135	0		
279	606	524	418	233	66	0	
246	635	556	454	291	132	53	0



CONTROLLER CODE : 9000025382

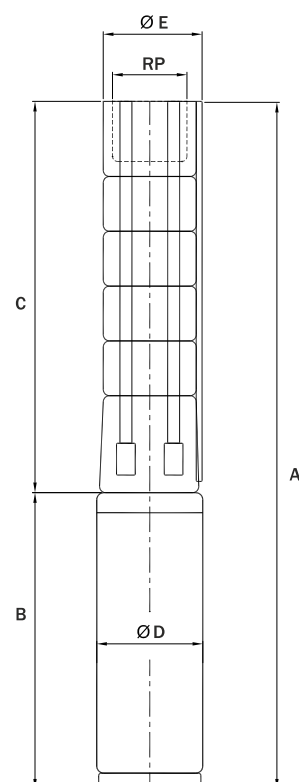
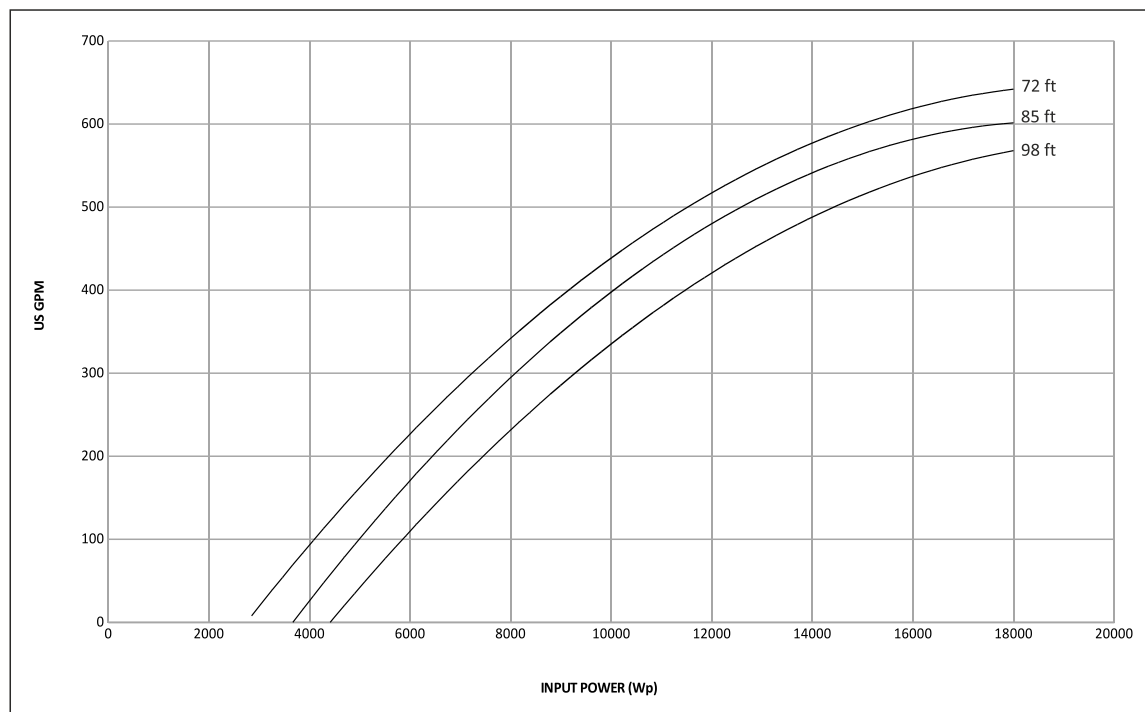
## SOLAR PUMPING SYSTEM

**SOLAR 571 DCSSP 18000**

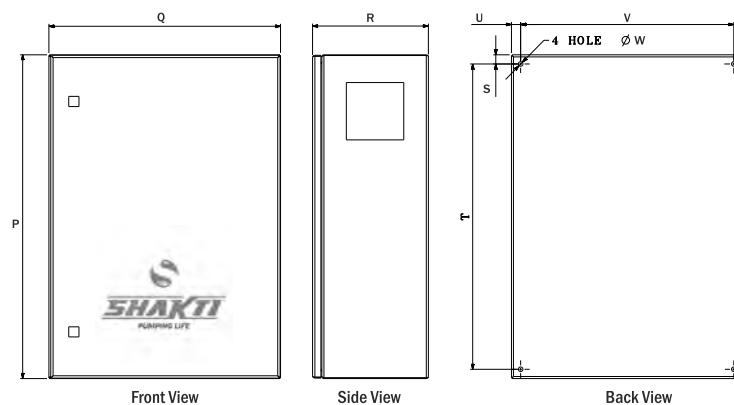
**NPT 4" (6X8)**

**PUMPSET CODE 9500000581**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	18000	15650	11000	6750	4500	3650	2900
HEAD (ft)	FLOW IN US GPM						
98	571	525	377	168	0		
85	614	556	447	231	53	0	
72	648	601	492	251	156	66	0



CONTROLLER CODE : 9000024747

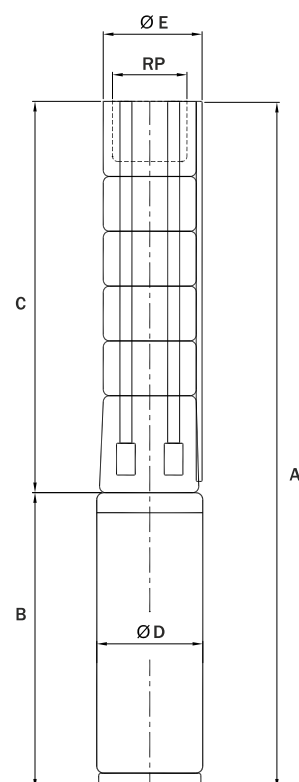
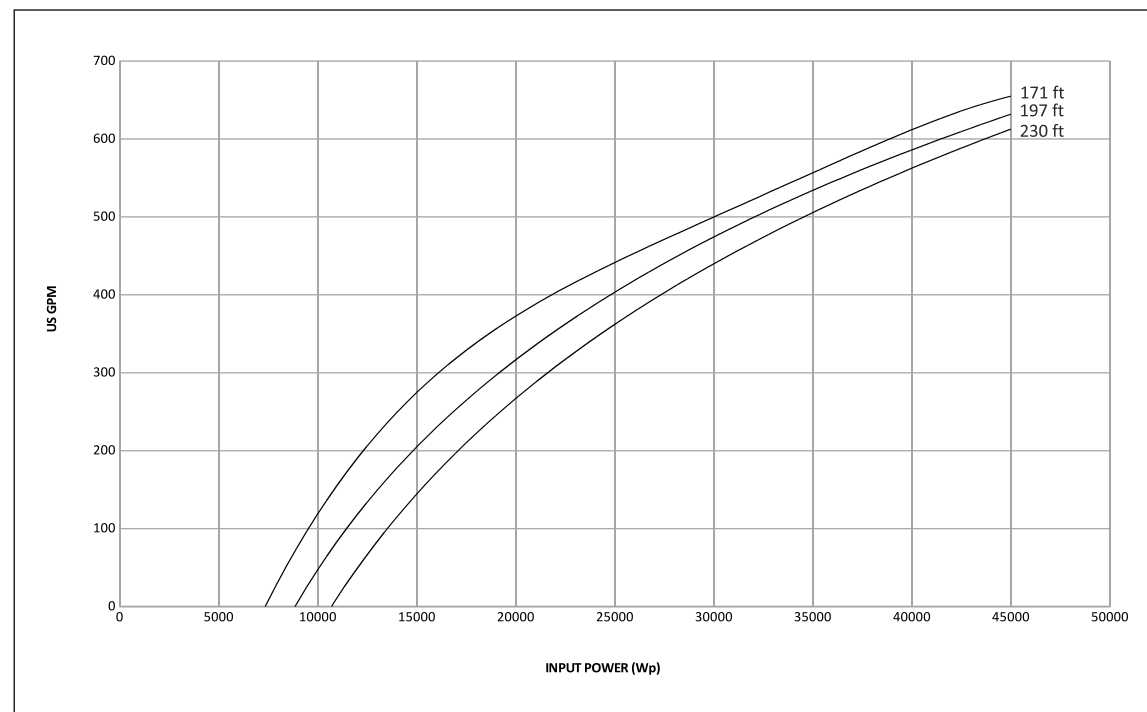
## SOLAR PUMPING SYSTEM

**SOLAR 597 DCSSP 45000**

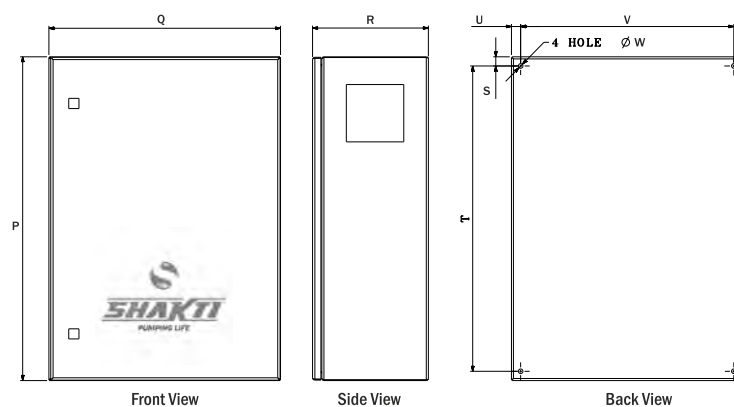
**NPT 4" (8X8)**

**PUMPSET CODE 9500001816**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	45000	35950	27000	13500	11250	9200	7250
HEAD (ft)	FLOW IN US GPM						
230	598	519	413	116	0		
197	627	542	437	183	93	0	
171	655	569	463	245	159	79	0



CONTROLLER CODE : 9000025382



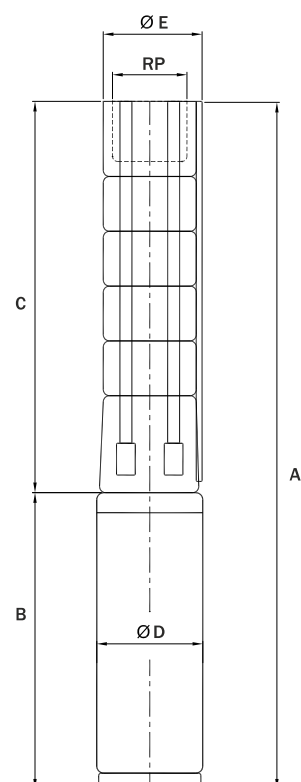
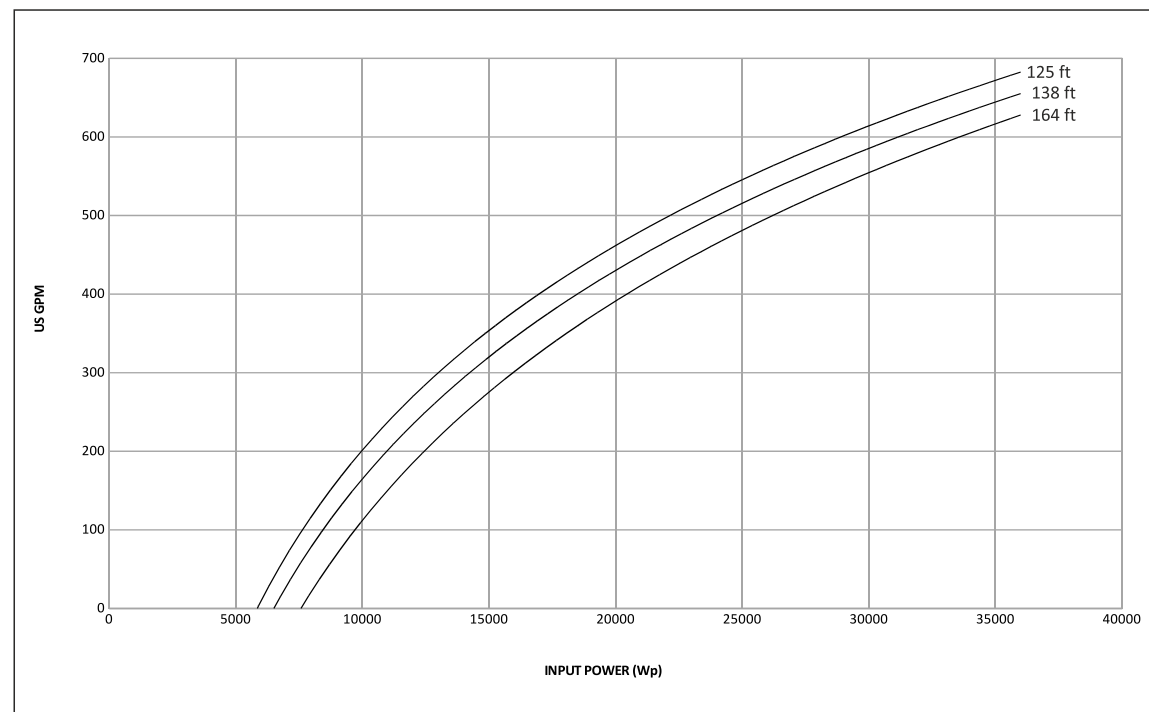
## SOLAR PUMPING SYSTEM

**SOLAR 613 DCSSP 36000**

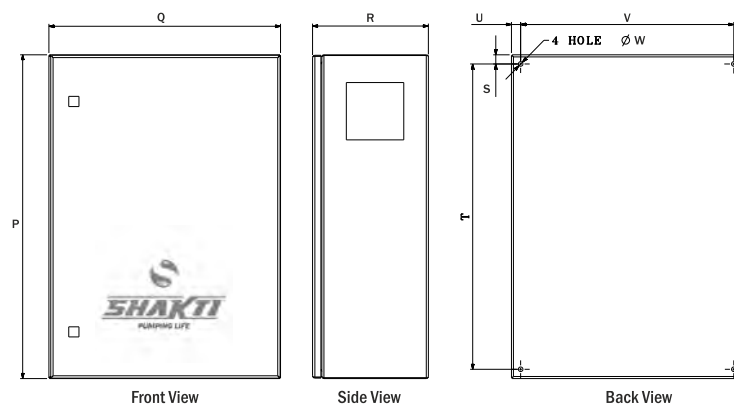
**NPT 2" (6X6)**

**PUMPSET CODE 9500001807**

**DUTY HEAD 164 FEET**



HEAD (ft)	INPUT POWER (Wp)						
	36000	28000	17350	11550	7900	6600	6000
164	614	532	347	183	0		
138	649	556	384	234	66	0	
125	664	593	423	270	119	32	0



CONTROLLER CODE : 9000025381

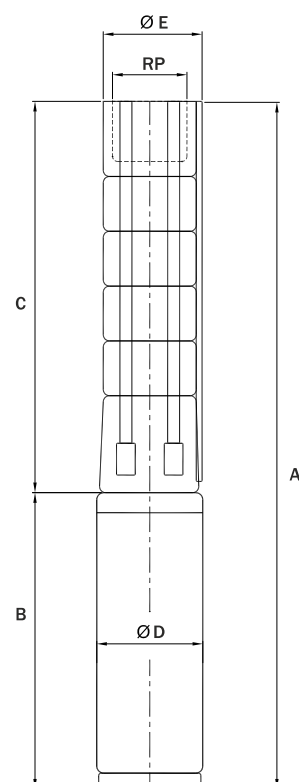
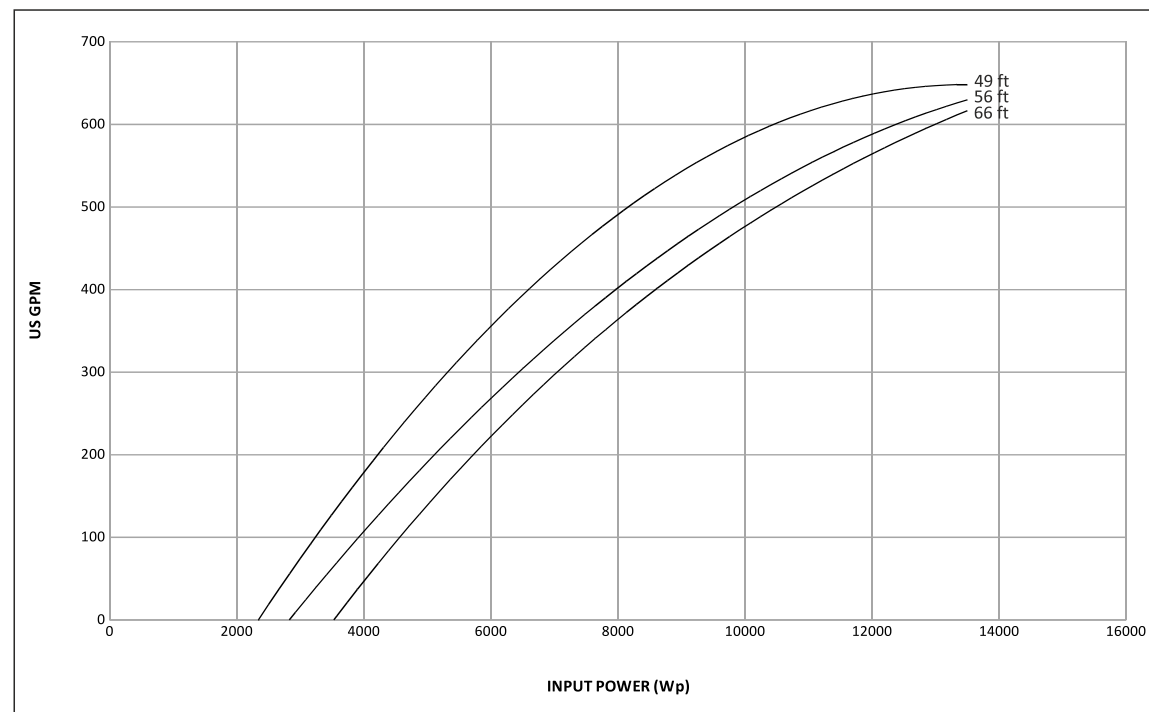
## SOLAR PUMPING SYSTEM

**SOLAR 616 DCSSP 13500**

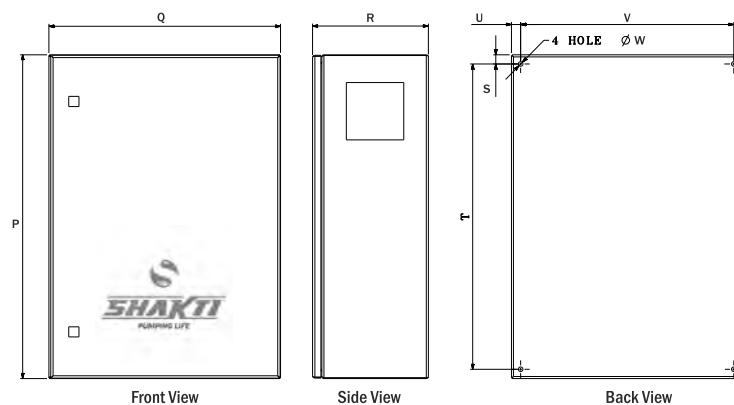
**NPT 4" (6X8)**

**PUMPSET CODE 9500000571**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	13500	9450	6750	4050	3600	3000	2200
HEAD (ft)	FLOW IN US GPM						
66	616	450	275	61	0		
56	632	476	317	140	66	0	
49	648	557	431	159	146	61	0



CONTROLLER CODE : 9000024747

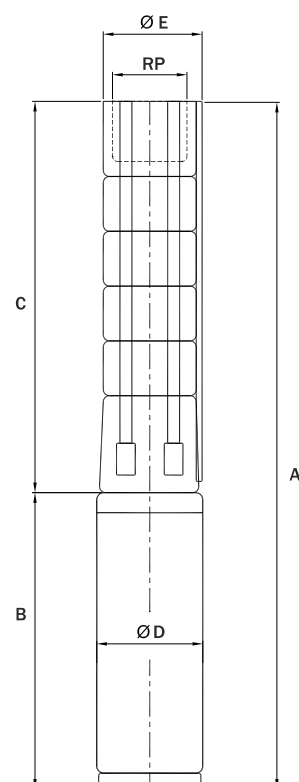
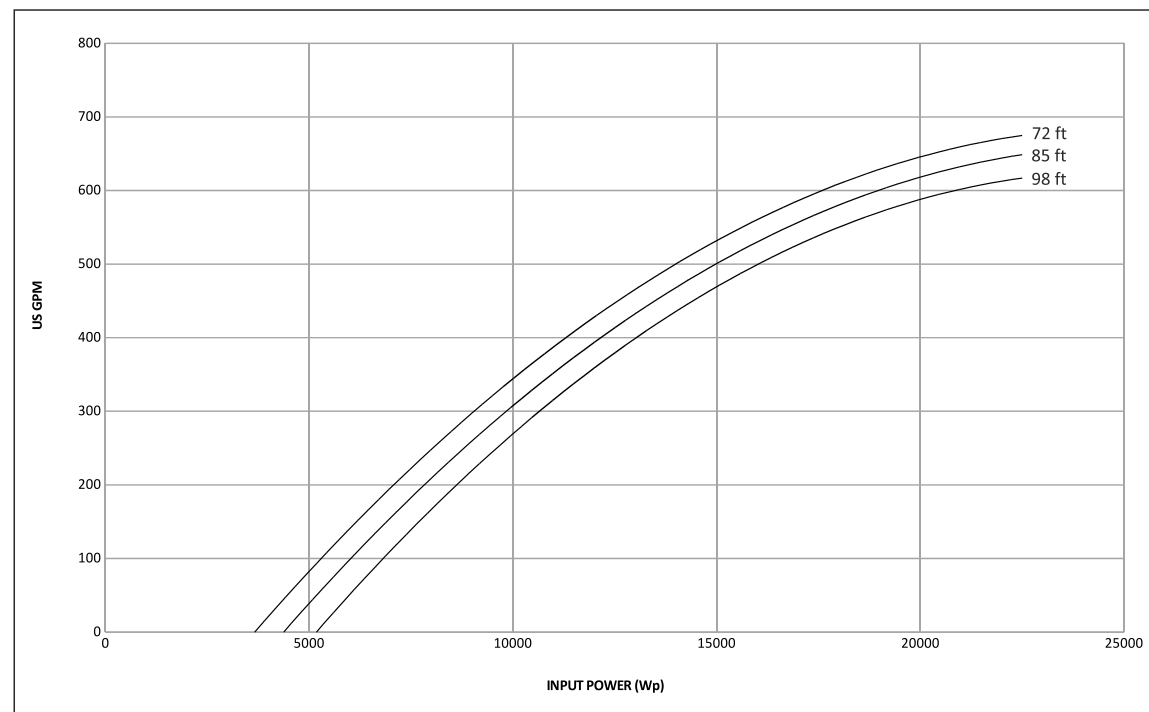
## SOLAR PUMPING SYSTEM

**SOLAR 621 DCSSP 22500**

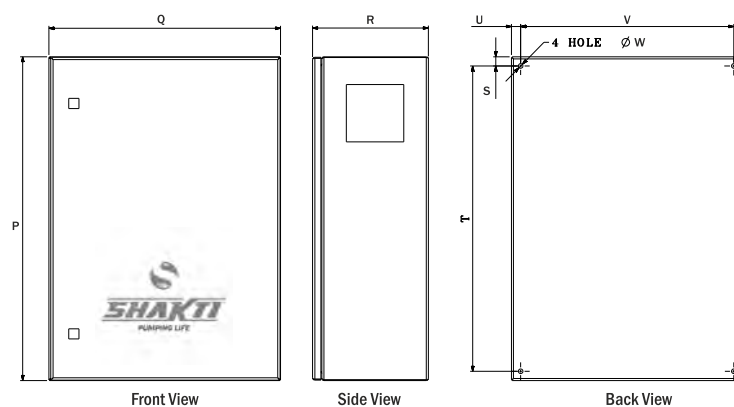
**NPT 5" (6X8)**

**PUMPSET CODE 9500000145**

**DUTY HEAD 98 FEET**



	INPUT POWER (Wp)						
	22500	18100	13600	6950	5400	4700	3800
HEAD (ft)	FLOW IN US GPM						
98	622	542	423	124	0		
85	655	573	450	177	66	0	
72	679	608	476	217	106	58	0



CONTROLLER CODE : 9000024747

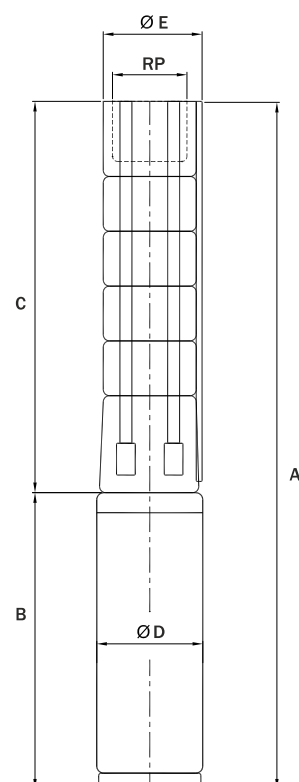
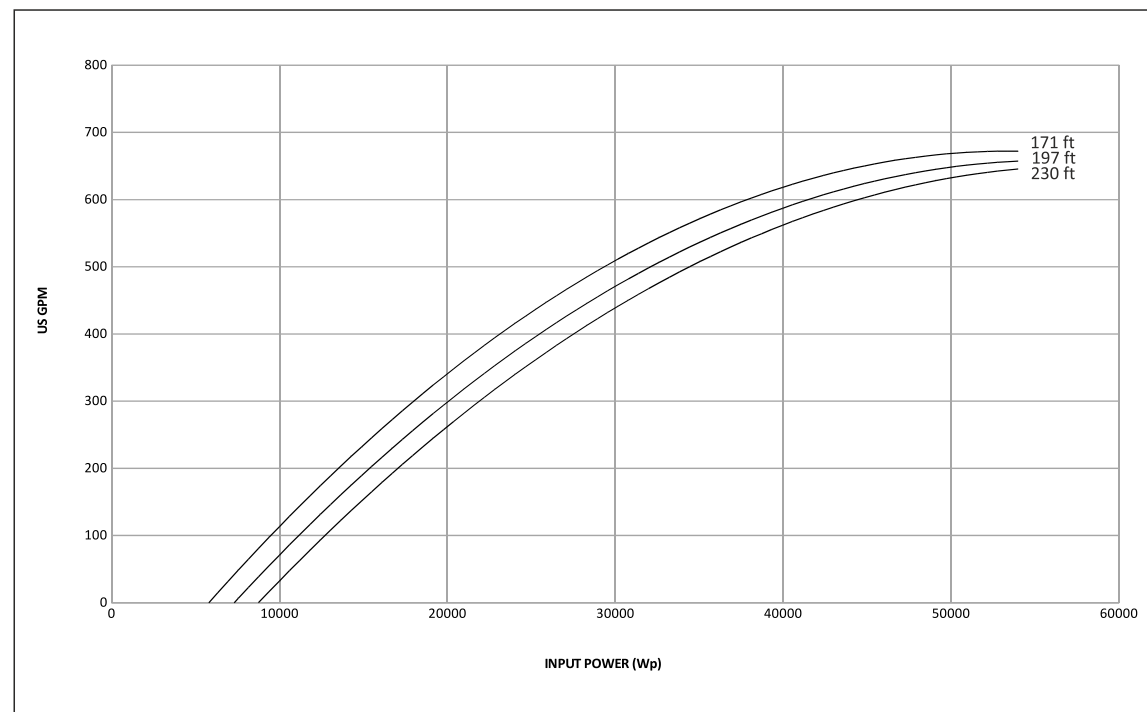
## SOLAR PUMPING SYSTEM

**SOLAR 652 DCSSP 54000**

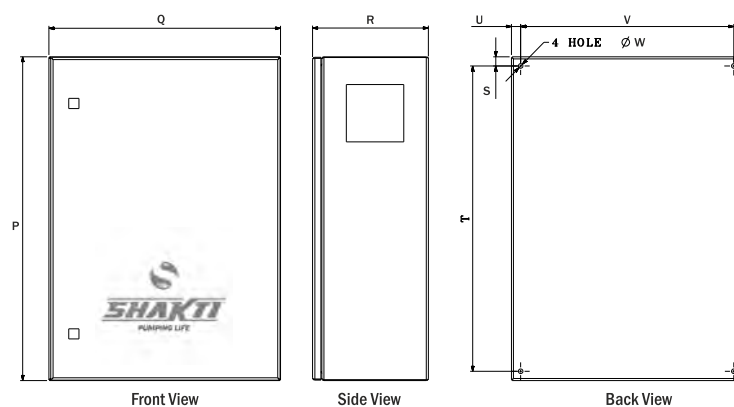
**NPT 3" (8X6)**

**PUMPSET CODE 9500001822**

**DUTY HEAD 230 FEET**



	INPUT POWER (Wp)						
	54000	42100	32050	12150	9700	8000	6000
HEAD (ft)	FLOW IN US GPM						
230	652	566	475	114	0		
197	667	582	511	143	66	0	
171	677	624	537	185	106	53	0



CONTROLLER CODE : 9000025382

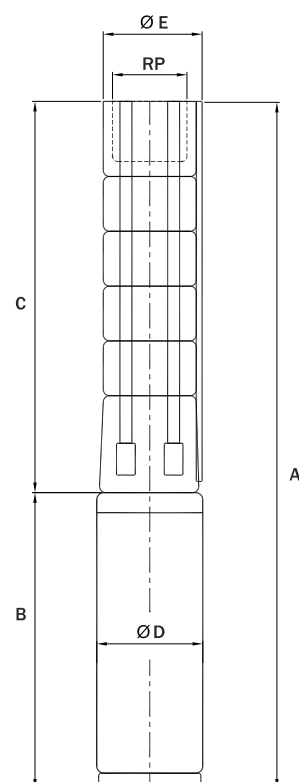
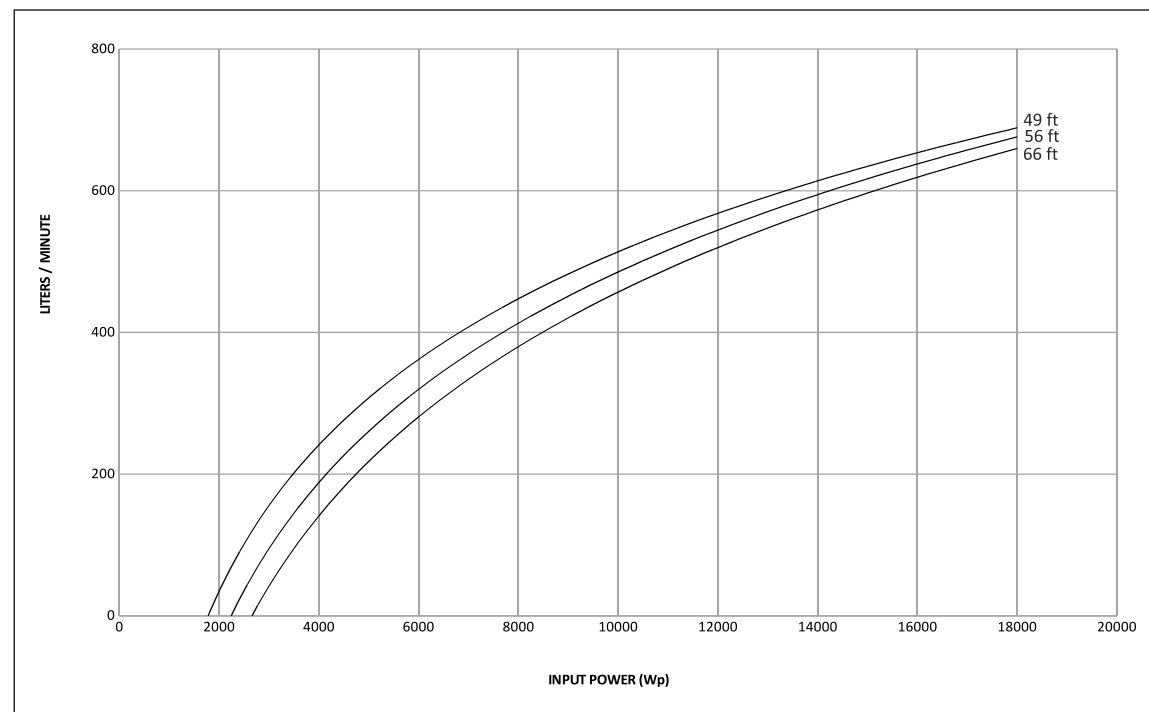
## SOLAR PUMPING SYSTEM

**SOLAR 654 DCSSP 18000**

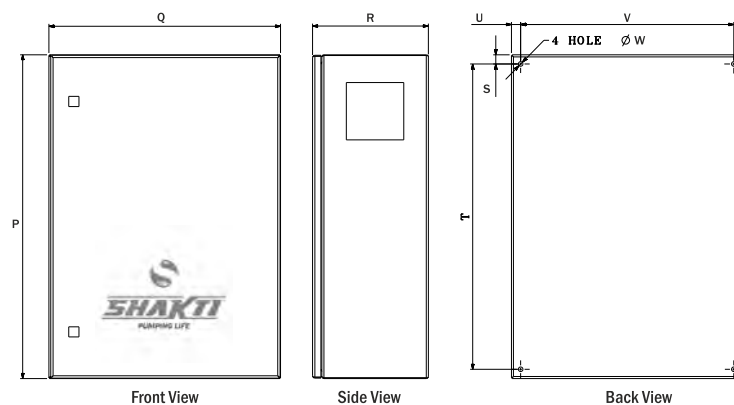
**NPT 4" (6X8)**

**PUMPSET CODE 9500000580**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	18000	11800	6350	3750	2750	2250	1900
HEAD (ft)	FLOW IN US GPM						
66	655	513	310	127	0		
56	664	556	344	146	79	0	
49	675	577	370	238	146	66	0



CONTROLLER CODE : 9000024747

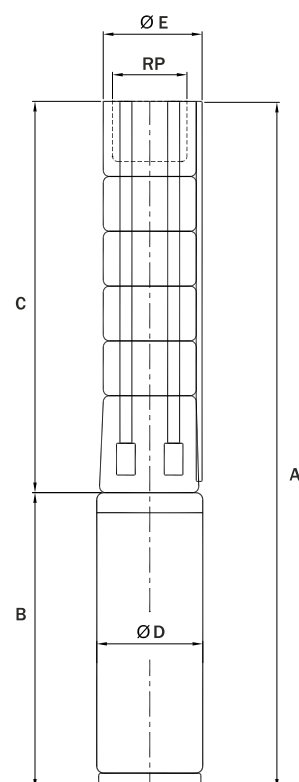
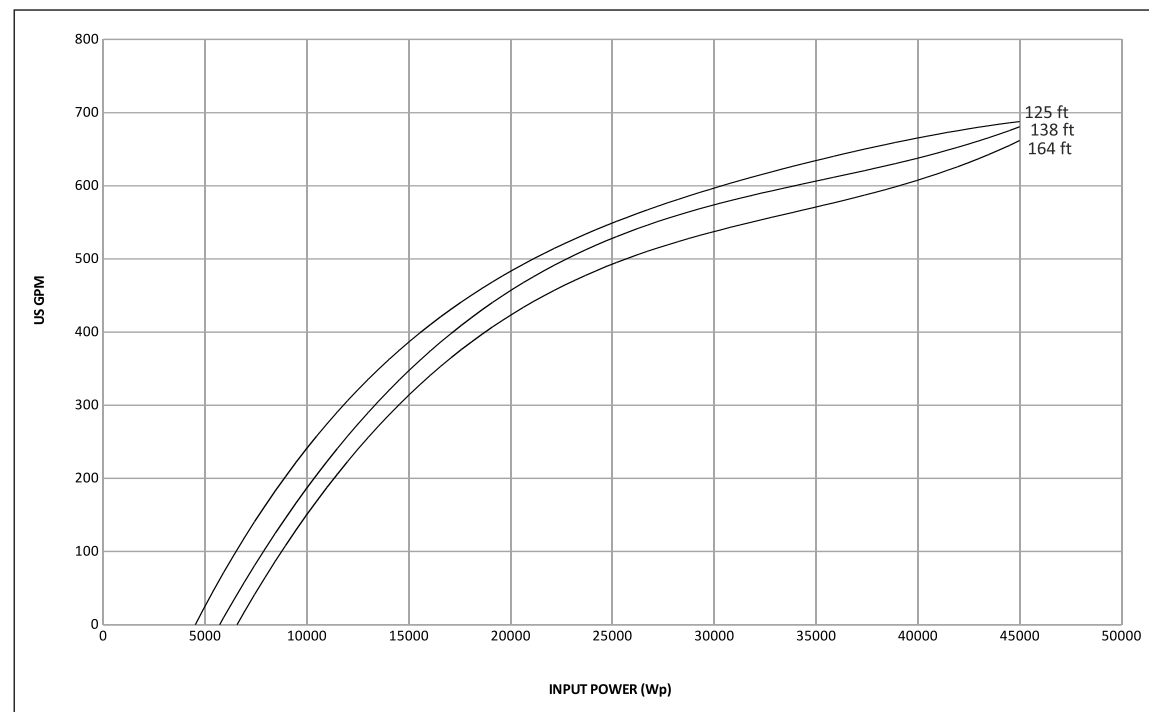
## SOLAR PUMPING SYSTEM

**SOLAR 661 DCSSP 45000**

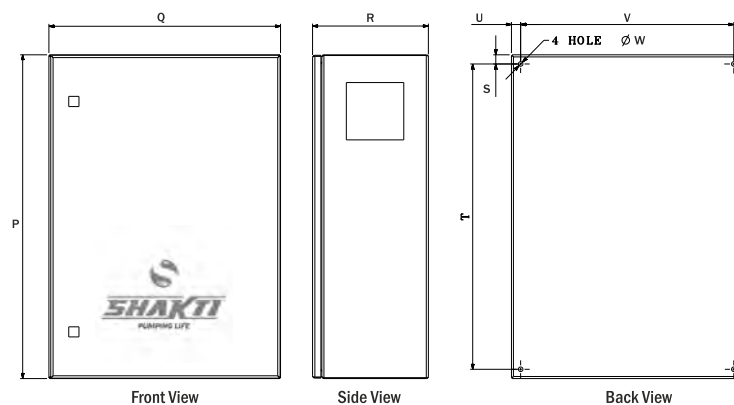
**NPT 4" (8X8)**

**PUMPSET CODE 9500001815**

**DUTY HEAD 164 FEET**



	INPUT POWER (Wp)						
	45000	31450	18000	10350	6700	5450	4740
HEAD (ft)	FLOW IN US GPM						
164	661	550	377	176	0		
138	681	582	423	198	32	0	
125	688	608	450	251	103	66	0



CONTROLLER CODE : 9000025382

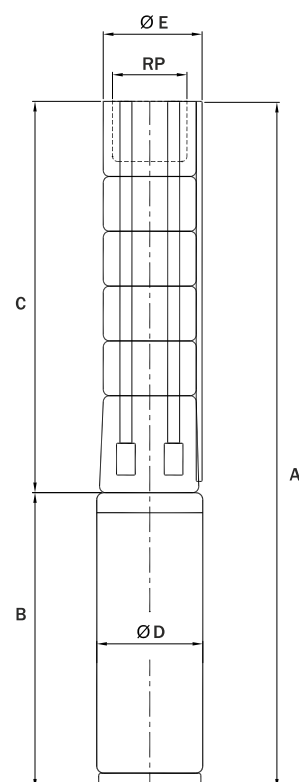
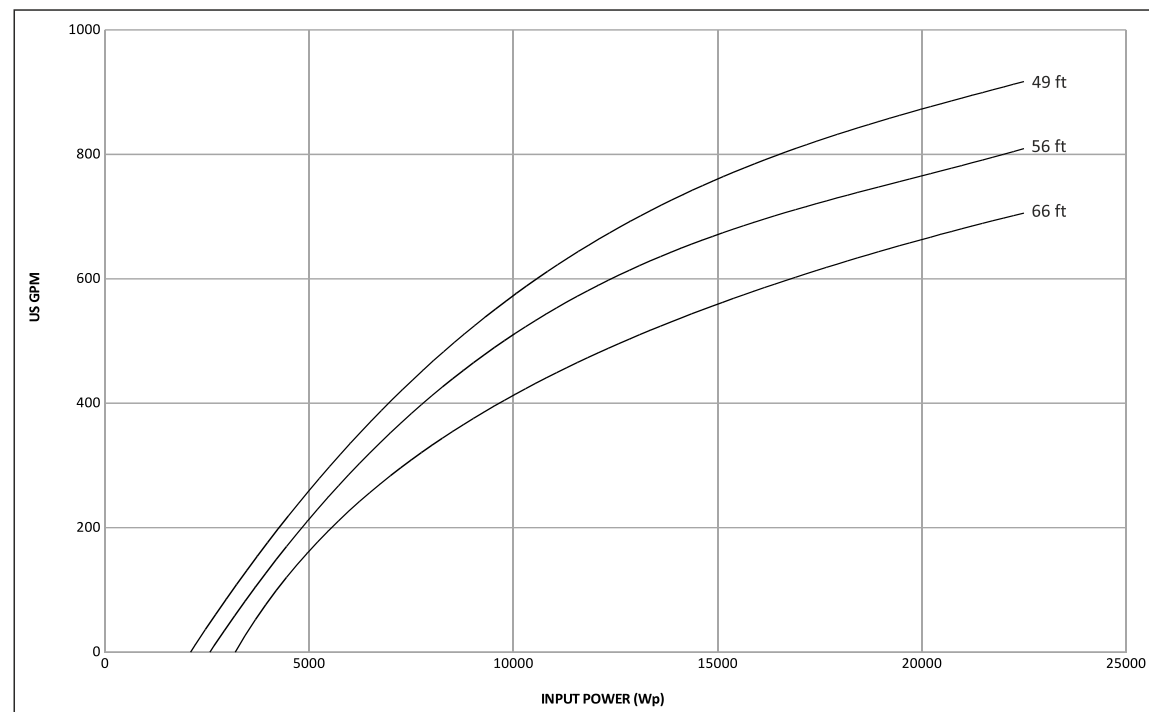
## SOLAR PUMPING SYSTEM

**SOLAR 687 DCSSP 22500**

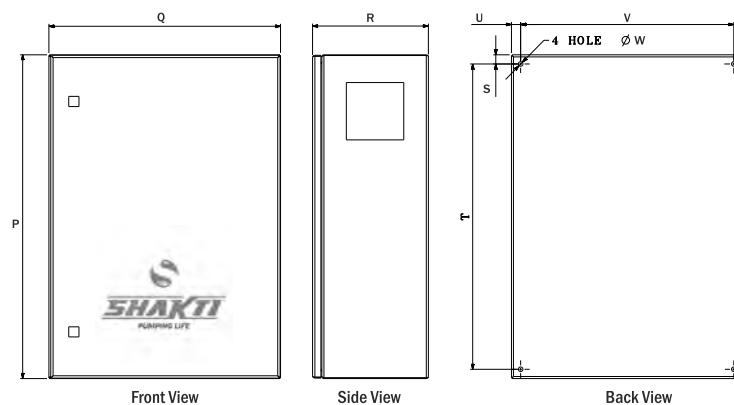
**NPT 4" (6X8)**

**PUMPSET CODE 9500000118**

**DUTY HEAD 66 FEET**



	INPUT POWER (Wp)						
	22500	15750	9000	4500	3350	2600	2200
HEAD (ft)	FLOW IN US GPM						
66	688	585	394	132	0		
56	809	688	464	172	79	0	
49	917	780	526	212	119	66	0



CONTROLLER CODE : 9000024747

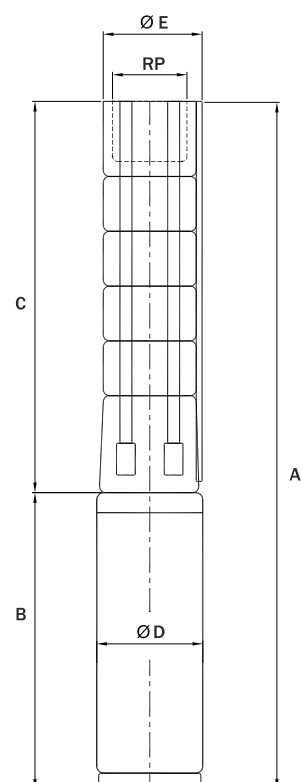
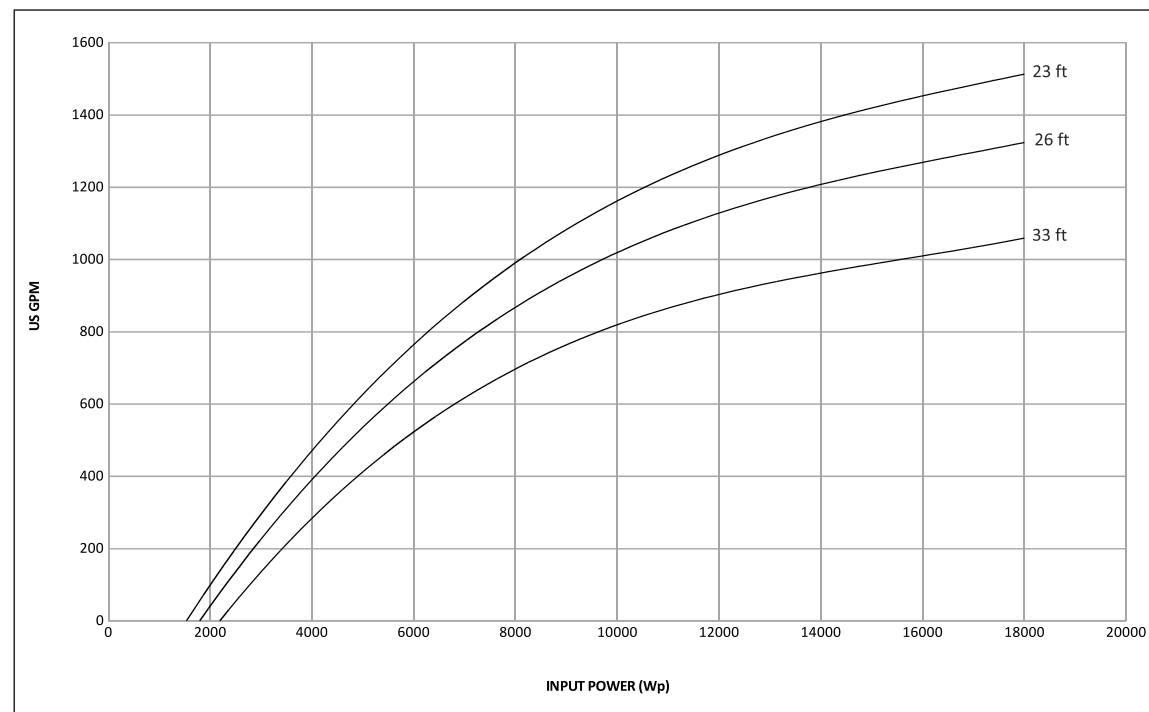
## SOLAR PUMPING SYSTEM

**SOLAR 1058 DCSSP 18000**

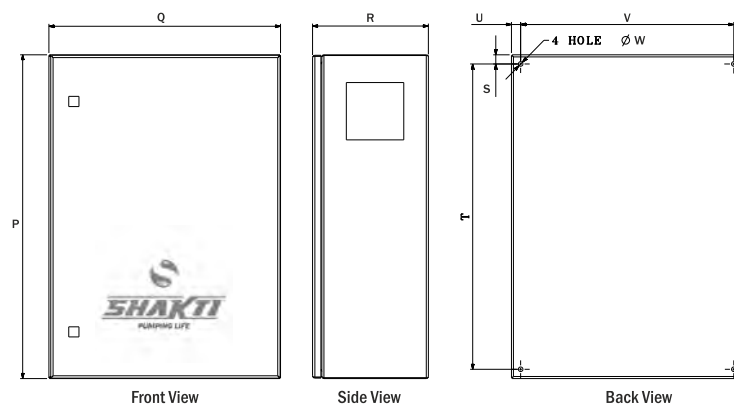
**NPT 6" (6X12)**

**PUMPSET CODE 9500000579**

**DUTY HEAD 33 FEET**



	INPUT POWER (Wp)						
	18000	13150	9400	6550	2200	1800	1600
HEAD (ft)	FLOW IN US GPM						
33	1058	947	772	587	0		
26	1323	1184	966	734	79	0	
23	1512	1353	1104	839	146	66	0



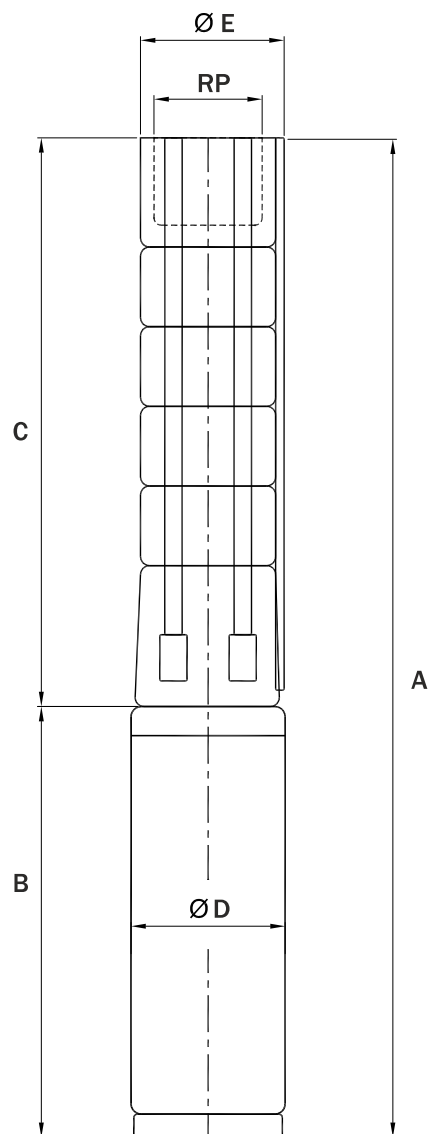
CONTROLLER CODE : 9000024747



## SOLAR PUMPING SYSTEM

### SOLAR DC SUBMERSIBLE GA DRAWING (IN INCH)

SET CODE	SET DESCRIPTION	A	B	C	D	E	Rp (NPT)
9500000119	SOLAR 74 DCSSP 900	27.5	12.2	15.2	3.7	5.0	2.0
9500000120	SOLAR 91 DCSSP 1200	27.5	12.2	15.3	3.7	5.0	2.0
9500000121	SOLAR 43 DCSSP 1200	39.2	12.2	27.0	3.7	3.8	2.0
9500000122	SOLAR 34 DCSSP 1200	39.2	12.2	27.0	3.7	3.8	2.0
9500000134	SOLAR 153 DCSSP 1800	27.9	13.4	14.4	3.7	5.2	3.0
9500000124	SOLAR 55 DCSSP 1800	32.5	13.4	19.1	3.7	3.8	2.0
9500000123	SOLAR 49 DCSSP 1800	34.5	13.4	21.1	3.7	3.8	2.0
9500000127	SOLAR 23 DCSSP 1800	31.0	13.4	17.6	3.7	3.8	1.5
9500000129	SOLAR 8 DCSSP 1800	43.4	13.4	30.0	3.7	3.8	1.3
9500000130	SOLAR 212 DCSSP 3000	27.9	13.4	14.4	3.7	5.2	3.0
9500000144	SOLAR 113 DCSSP 3000	31.1	13.4	17.6	3.7	5.0	2.5
9500000131	SOLAR 93 DCSSP 3000	31.1	13.4	17.6	3.7	5.0	2.5
9500000133	SOLAR 52 DCSSP 3000	40.4	13.4	27.0	3.7	3.8	2.0
9500000138	SOLAR 40 DCSSP 3000	46.3	13.4	32.9	3.7	3.8	2.0
9500000140	SOLAR 23 DCSSP 3000	37.6	13.4	24.2	3.7	3.8	1.5
9500000135	SOLAR 324 DCSSP 4800	40.0	16.2	23.8	3.7	5.4	4.0
9500000149	SOLAR 202 DCSSP 4800	30.7	16.2	14.4	3.7	5.2	3.0
9500000150	SOLAR 114 DCSSP 4800	38.4	16.2	22.2	3.7	5.0	3.0
9500000152	SOLAR 92 DCSSP 4800	38.6	16.2	22.4	3.7	5.0	2.5
9500000153	SOLAR 56 DCSSP 4800	55.0	16.2	38.8	3.7	3.8	2.0
9500000154	SOLAR 44 DCSSP 4800	55.0	16.2	38.8	3.7	3.8	2.0
9500000155	SOLAR 29 DCSSP 4800	46.2	16.2	30.0	3.7	3.8	1.5
9500000156	SOLAR 25 DCSSP 4800	46.2	16.2	30.0	3.7	3.8	1.5
9500000157	SOLAR 22 DCSSP 4800	50.4	16.2	34.1	3.7	3.8	1.5
9500000158	SOLAR 410 DCSSP 6750	35.6	16.2	19.3	3.7	5.4	4.0
9500000159	SOLAR 238 DCSSP 6750	37.5	16.2	21.3	3.7	5.6	3.0
9500000161	SOLAR 207 DCSSP 6750	37.4	16.2	21.1	3.7	5.2	3.0
9500000162	SOLAR 104 DCSSP 6750	43.1	16.2	26.9	3.7	5.0	2.5
9500000163	SOLAR 84 DCSSP 6750	43.4	16.2	27.2	3.7	5.0	2.5
9500000164	SOLAR 55 DCSSP 6750	65.0	16.2	48.7	3.7	3.8	2.0
9500000165	SOLAR 50 DCSSP 6750	64.8	16.2	48.6	3.7	3.8	2.0
9500000166	SOLAR 42 DCSSP 6750	74.7	16.2	58.5	3.7	3.8	2.0
9500000168	SOLAR 539 DCSSP 9000	48.6	24.2	24.4	5.4	6.6	4.0
9500000169	SOLAR 420 DCSSP 9000	48.7	24.2	24.5	5.4	5.9	4.0
9500000170	SOLAR 288 DCSSP 9000	48.4	24.2	24.2	5.4	5.5	4.0
9500000172	SOLAR 180 DCSSP 9000	49.2	24.2	25.0	5.4	5.4	3.0
9500000173	SOLAR 109 DCSSP 9000	58.9	24.2	34.7	5.4	5.4	2.5
9500000174	SOLAR 86 DCSSP 9000	59.1	24.2	34.9	5.4	5.4	2.5
9500000171	SOLAR 72 DCSSP 9000	63.9	24.2	39.6	5.4	5.4	2.0
9500000568	SOLAR 52 DCSSP 9000	84.7	24.2	60.5	5.4	5.4	2.0
9500000569	SOLAR 43 DCSSP 9000	94.6	24.2	70.4	5.4	5.4	2.0
9500000142	SOLAR 107 DCSSP 11250	59.1	24.2	34.9	5.4	5.4	2.5
9500000167	SOLAR 52 DCSSP 11250	94.6	24.2	70.4	5.4	5.4	2.0
9500000571	SOLAR 616 DCSSP 13500	49.3	26.4	22.9	5.4	5.9	4.0
9500000572	SOLAR 379 DCSSP 13500	55.2	26.4	28.9	5.4	5.5	4.0
9500000573	SOLAR 232 DCSSP 13500	54.7	26.4	28.3	5.4	5.4	3.0
9500000575	SOLAR 190 DCSSP 13500	58.1	26.4	31.7	5.4	5.4	3.0
9500000576	SOLAR 134 DCSSP 13500	64.8	26.4	38.4	5.4	5.4	3.0
9500000577	SOLAR 85 DCSSP 13500	73.2	26.4	46.8	5.4	5.4	2.0

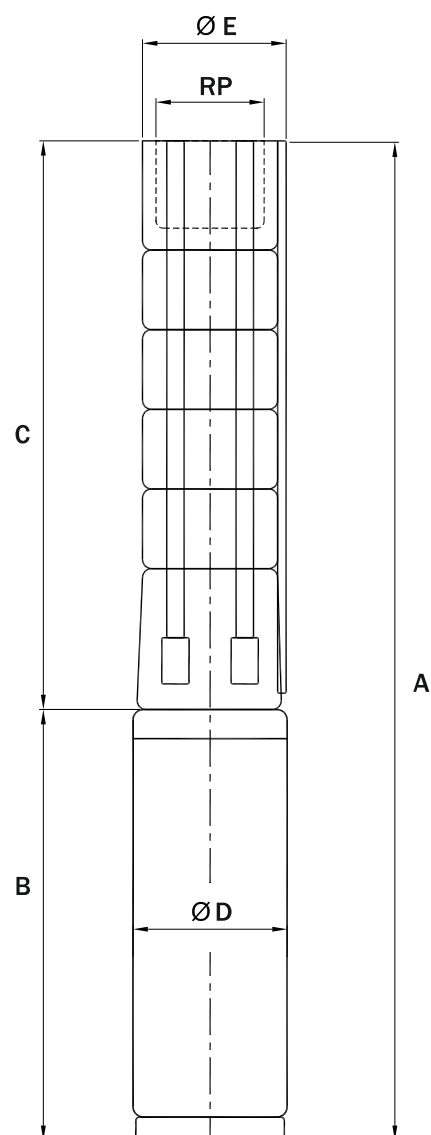


# SOLAR PUMPING SYSTEM



## SOLAR DC SUBMERSIBLE GA DRAWING (IN INCH)

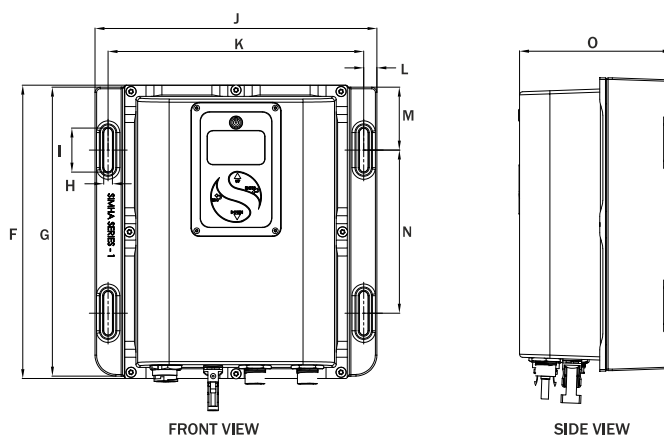
SET CODE	SET DESCRIPTION	A	B	C	D	E	Rp (NPT)
9500000578	SOLAR 65 DCSSP 13500	85.1	26.4	58.7	5.4	5.4	2.0
9500000570	SOLAR 51 DCSSP 13500	106.6	26.4	80.2	5.4	5.4	2.0
9500000579	SOLAR 1058 DCSSP 18000	58.8	30.5	28.3	5.4	8.9	6.0
9500000580	SOLAR 654 DCSSP 18000	60.0	30.5	29.4	5.4	6.6	4.0
9500000581	SOLAR 571 DCSSP 18000	60.0	30.5	29.4	5.4	6.6	4.0
9500000582	SOLAR 359 DCSSP 18000	63.8	30.5	33.3	5.4	5.5	4.0
9500000583	SOLAR 238 DCSSP 18000	62.2	30.5	31.7	5.4	5.6	3.0
9500000584	SOLAR 190 DCSSP 18000	68.9	30.5	38.4	5.4	5.6	3.0
9500000585	SOLAR 162 DCSSP 18000	68.9	30.5	38.4	5.4	5.4	3.0
9500000586	SOLAR 88 DCSSP 18000	89.2	30.5	58.7	5.4	5.4	2.0
9500000587	SOLAR 72 DCSSP 18000	101.1	30.5	70.6	5.4	5.4	2.0
9500000588	SOLAR 60 DCSSP 18000	113.7	30.5	83.2	5.4	5.4	2.0
9500000118	SOLAR 687 DCSSP 22500	61.9	32.5	29.4	5.4	6.6	4.0
9500000145	SOLAR 621 DCSSP 22500	61.9	32.5	29.4	5.4	6.6	5.0
9500000146	SOLAR 411 DCSSP 22500	65.8	32.5	33.3	5.4	5.5	4.0
9500000147	SOLAR 317 DCSSP 22500	70.2	32.5	37.8	5.4	5.5	4.0
9500000148	SOLAR 215 DCSSP 22500	77.7	32.5	45.2	5.4	5.4	3.0
9500000589	SOLAR 194 DCSSP 22500	74.3	32.5	41.8	5.4	5.4	3.0
9500000590	SOLAR 117 DCSSP 22500	91.2	32.5	58.7	5.4	5.4	2.0
9500001796	SOLAR 103 DCSSP 22500	91.2	32.5	58.7	5.4	5.4	2.0
9500001797	SOLAR 84 DCSSP 22500	103.1	32.5	70.6	5.4	5.4	2.0
9500001798	SOLAR 72 DCSSP 22500	115.7	32.5	83.2	5.4	5.4	2.0
9500001799	SOLAR 537 DCSSP 27000	73.8	39.3	34.5	5.4	6.6	4.0
9500001800	SOLAR 373 DCSSP 27000	81.3	39.3	42.0	5.4	5.5	4.0
9500001801	SOLAR 277 DCSSP 27000	90.2	39.3	50.9	5.4	5.5	4.0
9500001802	SOLAR 224 DCSSP 27000	84.5	39.3	45.2	5.4	5.4	3.0
9500001803	SOLAR 193 DCSSP 27000	84.5	39.3	45.2	5.4	5.4	3.0
9500001804	SOLAR 117 DCSSP 27000	98.0	39.3	58.7	5.4	5.4	2.0
9500001805	SOLAR 101 DCSSP 27000	110.0	39.3	70.6	5.4	5.4	2.0
9500001806	SOLAR 90 DCSSP 27000	122.6	39.3	83.2	5.4	5.4	2.0
9500001807	SOLAR 613 DCSSP 36000	87.7	47.6	40.0	7.6	7.6	4.0
9500001808	SOLAR 526 DCSSP 36000	87.7	47.6	40.0	7.6	7.6	4.0
9500001809	SOLAR 373 DCSSP 36000	98.5	47.6	50.9	7.6	7.6	4.0
9500001810	SOLAR 304 DCSSP 36000	113.0	47.6	65.3	7.6	7.6	3.0
9500001811	SOLAR 252 DCSSP 36000	113.0	47.6	65.3	7.6	7.6	3.0
9500001812	SOLAR 196 DCSSP 36000	114.1	47.6	66.4	5.4	7.1	3.0
9500001813	SOLAR 119 DCSSP 36000	132.0	47.6	84.4	7.6	7.6	2.0
9500001814	SOLAR 110 DCSSP 36000	132.0	47.6	84.4	7.6	7.6	2.0
9500001815	SOLAR 661 DCSSP 45000	92.7	47.6	45.1	7.6	7.6	4.0
9500001816	SOLAR 597 DCSSP 45000	92.7	47.6	45.1	7.6	7.6	4.0
9500001817	SOLAR 488 DCSSP 45000	97.8	47.6	50.1	7.6	7.6	4.0
9500001818	SOLAR 384 DCSSP 45000	113.0	47.6	65.3	7.6	7.6	4.0
9500001819	SOLAR 308 DCSSP 45000	126.3	47.6	78.7	5.4	7.3	3.0
9500001820	SOLAR 234 DCSSP 45000	126.3	47.6	78.7	7.6	7.6	3.0
9500001821	SOLAR 189 DCSSP 45000	127.4	47.6	79.8	5.4	7.1	3.0
9500001822	SOLAR 652 DCSSP 54000	100.9	50.8	50.1	7.6	7.6	4.0
9500001823	SOLAR 555 DCSSP 54000	100.9	50.8	50.1	7.6	7.6	4.0
9500001824	SOLAR 500 DCSSP 54000	100.9	50.8	50.1	7.6	7.6	4.0
9500001825	SOLAR 285 DCSSP 54000	129.4	50.8	78.7	7.6	7.6	4.0
9500001826	SOLAR 235 DCSSP 54000	174.2	50.8	123.4	7.6	7.6	3.0
9500001827	SOLAR 197 DCSSP 54000	144.4	50.8	93.6	7.6	7.6	3.0



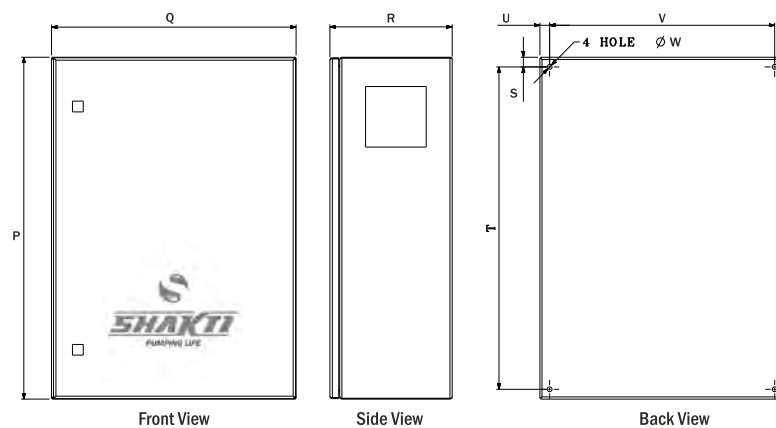
## SOLAR PUMPING SYSTEM

### SOLAR DC CONTROLLER GA DRAWING (IN INCH)

SET CODE	DESCRIPTION	F	G	H	I	J	K	L	M	N	O
9600000065	SHAKTI SUD 1P,12A,300VDC/245VAC,0.75/1HP	11	10.8	0.3	1.7	10.6	9.6	0.5	2.4	6.1	5.7
9600000020	SHAKTI SUD 1P,12A,360VDC/245VAC,1/2HP	11	10.8	0.3	1.7	10.6	9.6	0.5	2.4	6.1	5.7
9600000005	SHAKTI SUD 3P,12A,720VDC/460VAC,3/5HP	11	10.8	0.3	1.7	10.6	9.6	0.5	2.4	6.1	5.7
9600000023	SHAKTI SUD 3P,20A,700VDC/460VAC,7.5/10HP	11	10.8	0.3	1.7	10.6	9.6	0.5	2.4	6.1	5.7



SET CODE	DESCRIPTION	P	Q	R	S	T	U	V	W
9000024747	SOLAR CONT.DC-SHAKTI-03P 38A (12.5-25HP)WG	27.6	19.7	9.8	0.8	26	0.8	18.1	Ø 0.4
9000025381	SOLAR CONT.DC-SHAKTI-03P-60A (30-40HP)WG	29.9	23.6	14.2	0.8	28.3	2	22	Ø 0.4
9000025382	SOLAR CONT.DC-SHAKTI-03P-90A (50-60HP)WG	29.9	23.6	14.2	0.8	28.3	2	22	Ø 0.4



### Note



## OUR PRESENCE



\* on selected models

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Mar./2020-21/L2/000 VC - 0000	Mar. 2021/R1	SAP No. 2900000273
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