

# BERKELEY® SSHM-2 Series

Multi-stage



The SSHM-2 multi-stage series of sprinkler pumps delivers high-performance without priming problems and delays.

The SSHM-2 multi-stage series is designed for minimal electrical consumption and quiet operation from the professional-grade motor. The SSHM-2 multi-stage series offers first-in-class priming capabilities of up to 15 foot lifts!

## APPLICATIONS

- Residential and commercial turf irrigation
- Residential water systems
- Shower and washing systems
- Water transfer
- Heating and air conditioning systems
- Water features and fountains

## SPECIFICATIONS

### Motor Bracket and Integral Pump Base:

Close-grained cast iron, 1-1/2" NPT inlet connection, stable heavy-duty design for rigid pipe and solid base mountings

**Discharge:** Close-grained cast iron, 1-1/4" NPT discharge connection, with easy-access drain port for end of season draining and winterization

**Impellers and Diffusers:** Noryl® precision-molded extra-smooth ports to maximize efficiency and performance

**Outer Shell:** Polished 304 stainless steel

**Shaft:** 303 stainless steel

**Priming Valve:** Special brass priming valve for trouble-free operation during the initial pump priming

**Mechanical Seal:** High-pressure seal, carbon-ceramic seal faces, Buna-N elastomers

**Heavy-Duty Motor:** 2 HP, single-phase, 3450 RPM, 230-volt, high-service factor, capacitor-start/capacitor-run, open drip-proof motor, rated for continuous-duty operation. 230/460 TEFC available

**Maximum Inlet Pressure:** 20 PSI

**Maximum Discharge Pressure:** 155 PSI

**Maximum Operating Temperature:** 120°F (49°C)

**Maximum Suction Lift:** 15 feet

**Number of Stages:** 3 or 4

## ORDERING INFORMATION

Catalog Number	Stages	HP	Pipe Tapping Sizes		Motor Voltage	Approx. Wt. Lbs.
			Suction	Discharge		
B86073	3	2	1-1/2" NPT	1-1/4" NPT	230 1ø	95
B86074	3	2	1-1/2" NPT	1-1/4" NPT	230/460 TEFC	95
B82456-01	4	2	1-1/2" NPT	1-1/4" NPT	230 1ø	95
B82639	4	2	1-1/2" NPT	1-1/4" NPT	230/460 TEFC	95

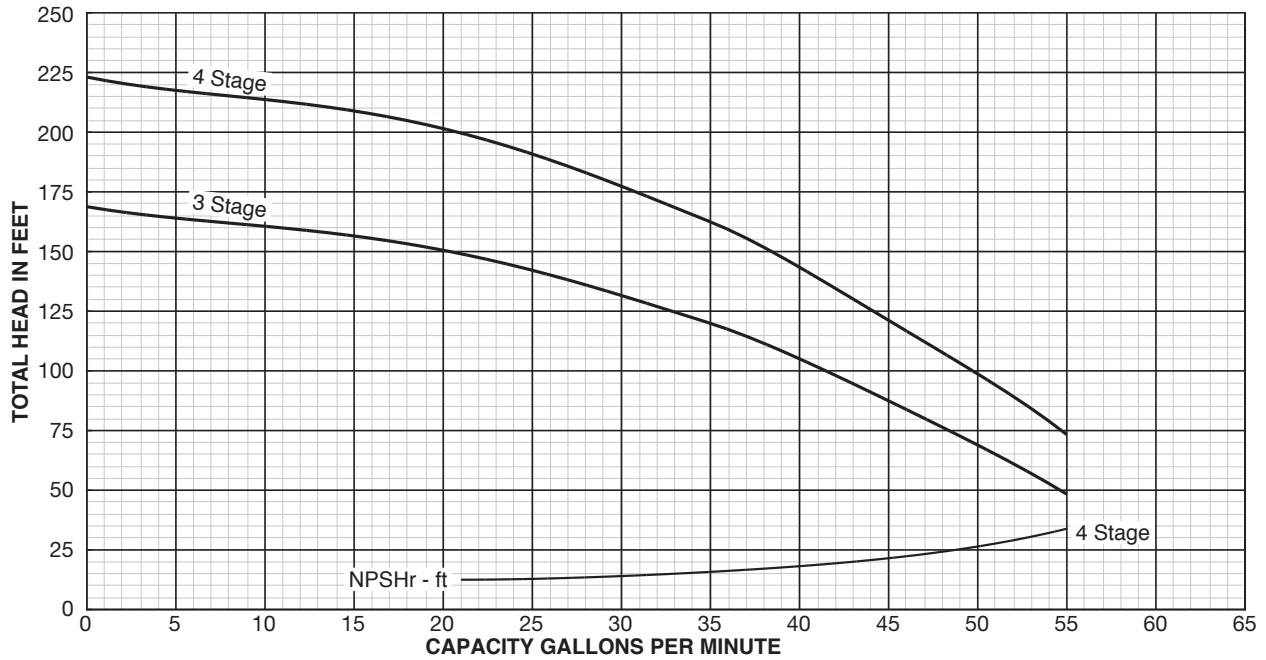
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# BERKELEY® SSHM-2 Series

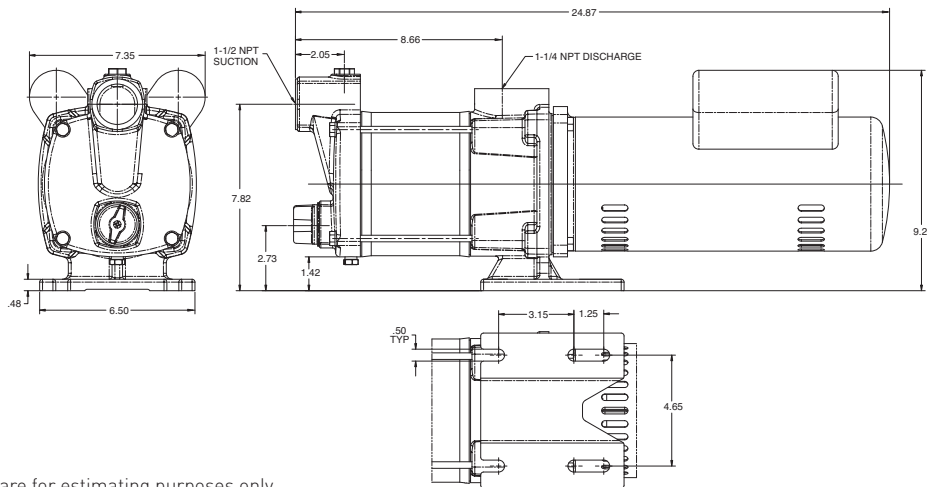
Multi-stage

## PUMP PERFORMANCE

NOMINAL RPM: 3450, BASED ON FRESH WATER @ 68°F, MAXIMUM WORKING PRESSURE: 175 PSI



## OUTLINE DIMENSIONS



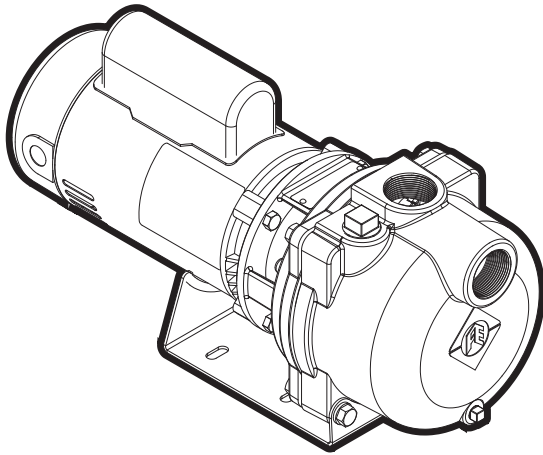
Dimensions (in inches) are for estimating purposes only.



US: 293 WRIGHT STREET, DELAVAN, WI 53115 WWW.BERKELEYPUMPS.COM PH: 888-782-7483 ORDERS FAX: 800-426-9446  
 CANADA: 490 PINEBUSH ROAD, UNIT 4, CAMBRIDGE, ONTARIO N1T 0A5 PH: 800-363-7867 ORDERS FAX: 888-606-5484  
 Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

## Self-Priming Turf Boss 1 - 2 hp

**BOOK:** SPC-005  
**DATE:** Jan. 1, 2012



### Specifications:

**Capacities:** to 70 gpm

**Heads:** to 130 feet

**Working Pressure:** 75 psi max

**Temperature:** 120 °F max

**Rotation:** clockwise viewed from motor end

**Pipe Connections:** NPT

HP	Discharge	Suction
1	1-1/2"	1-1/2"
1-1/2	1-1/2"	1-1/2"
2	1-1/2"	1-1/2"

### Features:

- Self-priming design, with the ability to lift water from a depth of 25'.
- Easily serviced through a back pull-out design, which leaves the plumbing and both the pump's base and case undisturbed in their original location.
- Rugged pump case constructed with heavy-duty cast iron ensures optimum durability, quiet operation, and long life.
- Hydraulic components molded with Noryl®\* thermoplastic, when coupled with the floating stainless steel impeller eyes seal, ensures dependable and efficient operation.
- Industry proven indoor and outdoor 56-J motors from A.O. Smith .
- 1 and 1.5 hp motors are dual voltage, set to run with either 115 or 230 V incoming power (2 hp is 230 V only).
- Mechanical shaft seal allows positive protection against leaking.
- Built-in drain plug for easy winterizing and servicing.
- Shut-off pressures up to 130 feet, and flow rates to 70 gpm.
- Handles water temperatures up to 120 °F.
- Integral 1" NPT priming plug.
- 1.5" NPT suction, 1.5" NPT discharge.

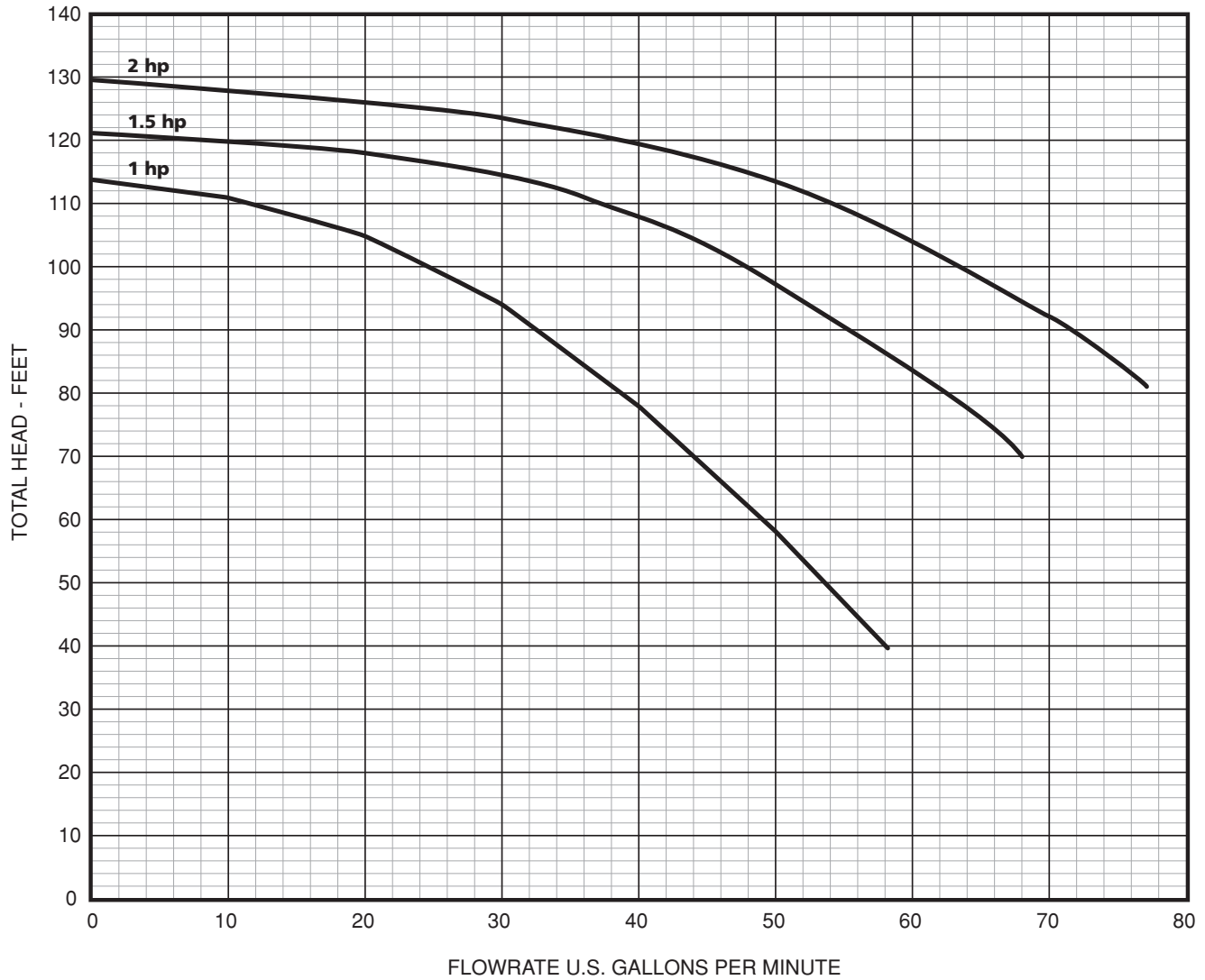
### Applications:

- Irrigation
- Construction
- Commercial
- Municipal
- Light Industrial
- Residential
- Water Transfer

# Self-Priming Turf Boss 1 - 2 hp

Performance Curve:

**3600 rpm**  
Nominal



## FHOTON™ SURFACE SOLARPAK (1/2–1.5 HP, 0.37–1.1 KW)

Photon™ Surface SolarPAK systems are designed to meet pressure boosting and water transfer needs while running on the power of the sun. Utilizing industry-proven cast iron and stainless steel pumps, systems are available in a range of horsepower sizes that offer high performance solar pumping for a wide variety of applications. Whether boosting water pressure from a cistern tank, solar fountain, or other surface source, Franklin's quality solar products will fit your renewable energy needs.

### APPLICATIONS

- Turf Irrigation
- Water Transfer
- Pressure Boosting
- Water Circulation
- Fountains
- Wash Down Applications
- Animal Hydration
- Commercial Water Features
- Rain Water Harvesting
- General Purpose Pumping

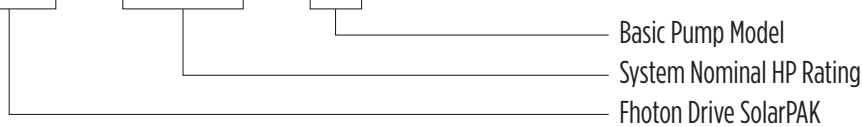


### SURFACE SOLARPAK CONTENTS

- Photon™ solar controller
- Franklin Electric pump and motor
- Low flow cut-off switch

### SURFACE SOLARPAK NOMENCLATURE

**FDSP - X.XHP - XX**



## SURFACE SOLARPAK - ORDERING INFORMATION

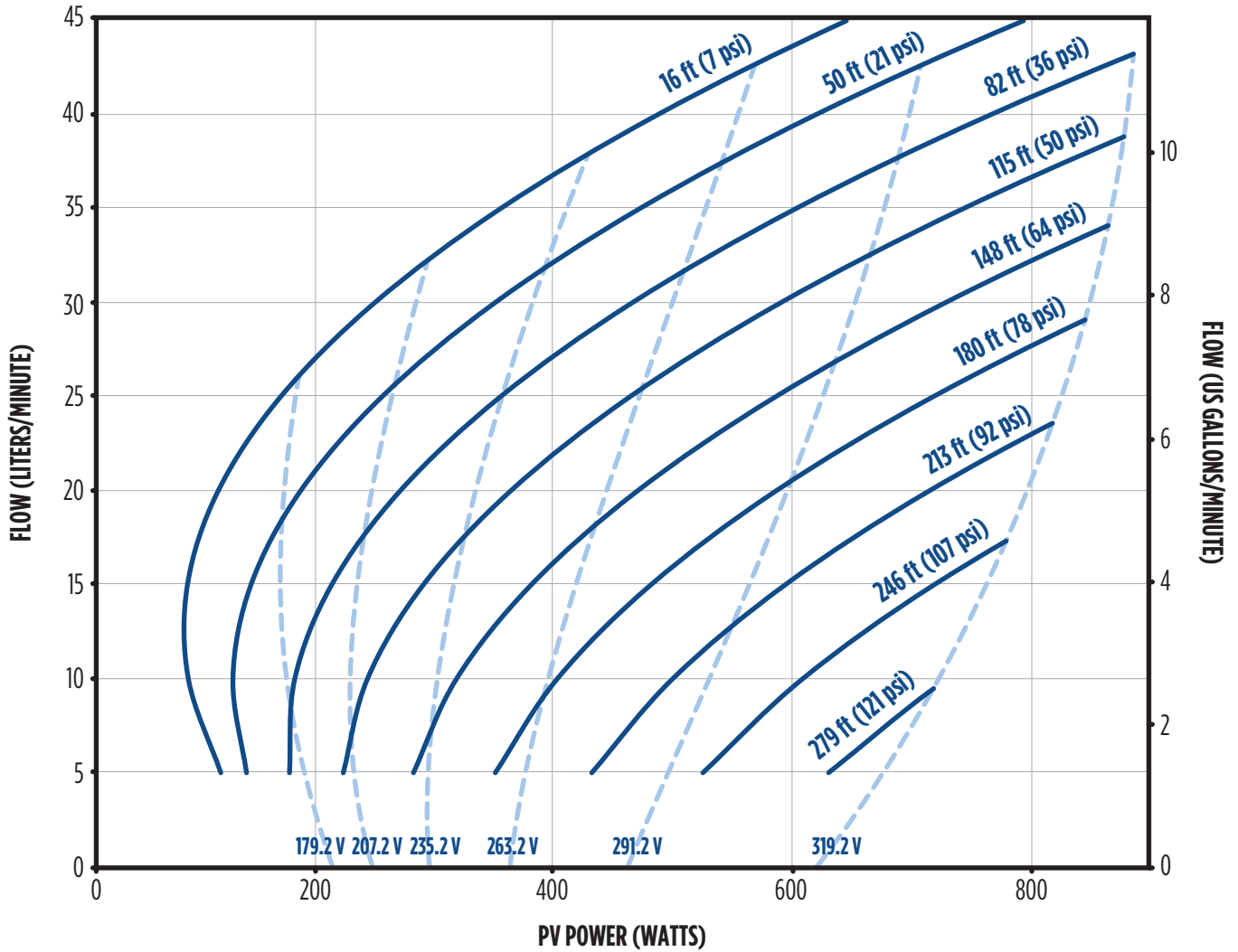
### SURFACE SOLARPAK MODEL NUMBERS (NPT)

SolarPak		Photon™ Solar Controller		Surface Pump/Motor (NPT)			Flow Switch (NPT)	
SolarPak Model	Order No.	Drive Model	Part No.	Type	Model	Part No.	Model	Flow Switch
FDSP-0.5HP-7BT4	91040725	FD Solar 1.1 kW N4	581014200864-14IB000	Booster	7FBT05S4-T	95830755	C25	226014102
FDSP-1.5HP-30MH	91143025	FD Solar 1.1 kW N4	581014200864-14IB001	Booster	30FMH2S5-T	96063013	F21	226019102
FDSP-1HP-FCE	91240025	FD Solar 1.1 kW N4	581014200864-14IC000	End Suction	FCE1CI-T	90203010	F21	226019102
FDSP-1.5HP-TB	91340025	FD Solar 1.1 kW N4	581014200864-14IA000	Self-Priming	FTB15CI-SSI-T	92983015	F21	226019102

## PHOTON™ SURFACE SOLARPAK - 0.5–1.5 HP PERFORMANCE

### FDSP-0.5HP-7BT4

Photon™ Solar 1.5 hp Controller, 0.5 hp 7 US gpm BT4 Pump and Motor (208-230 V, 3-PH, 60 Hz)

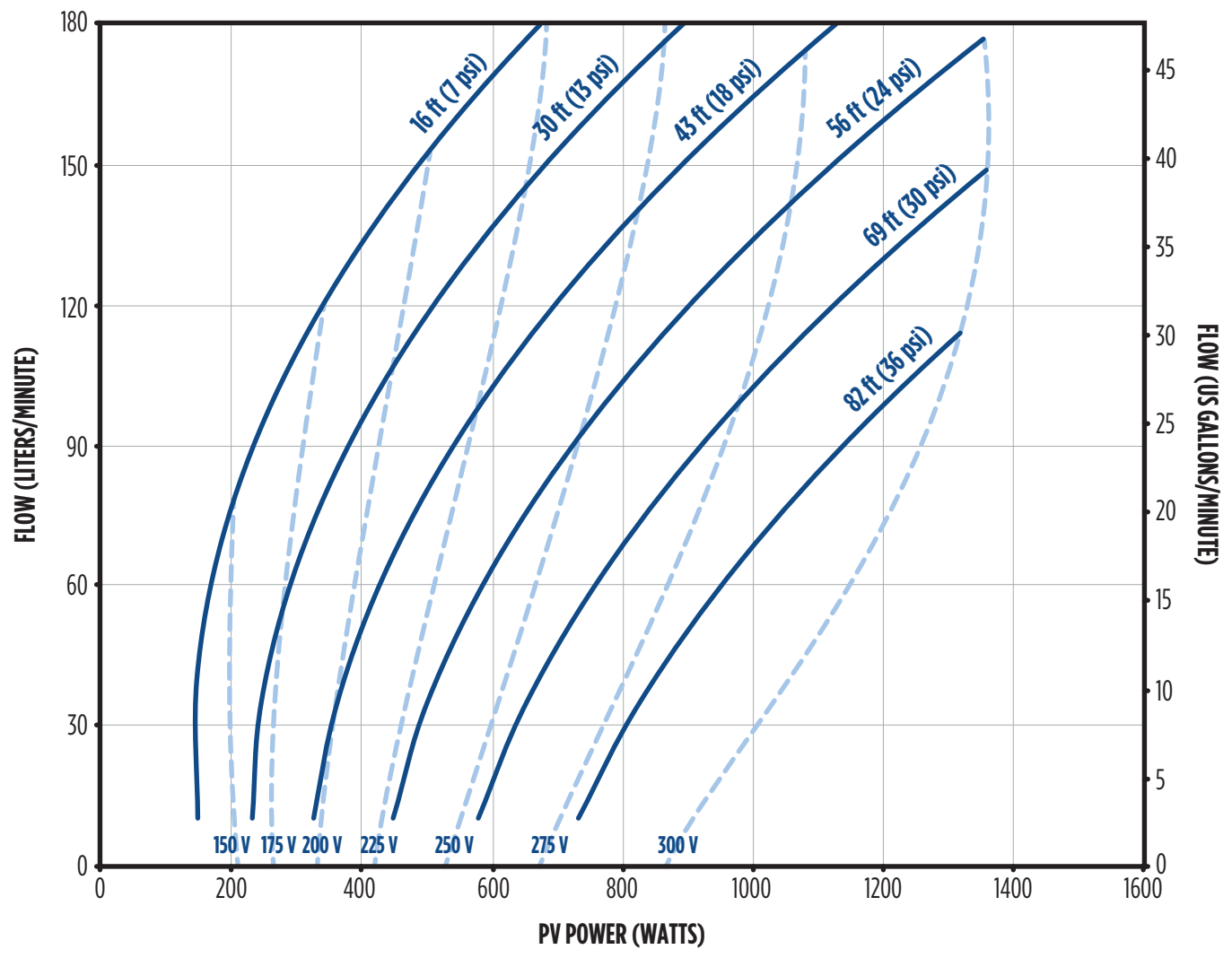




# PHOTON™ SURFACE SOLARPAK - 0.5-1.5 HP PERFORMANCE

## FDSP-1HP-FCE

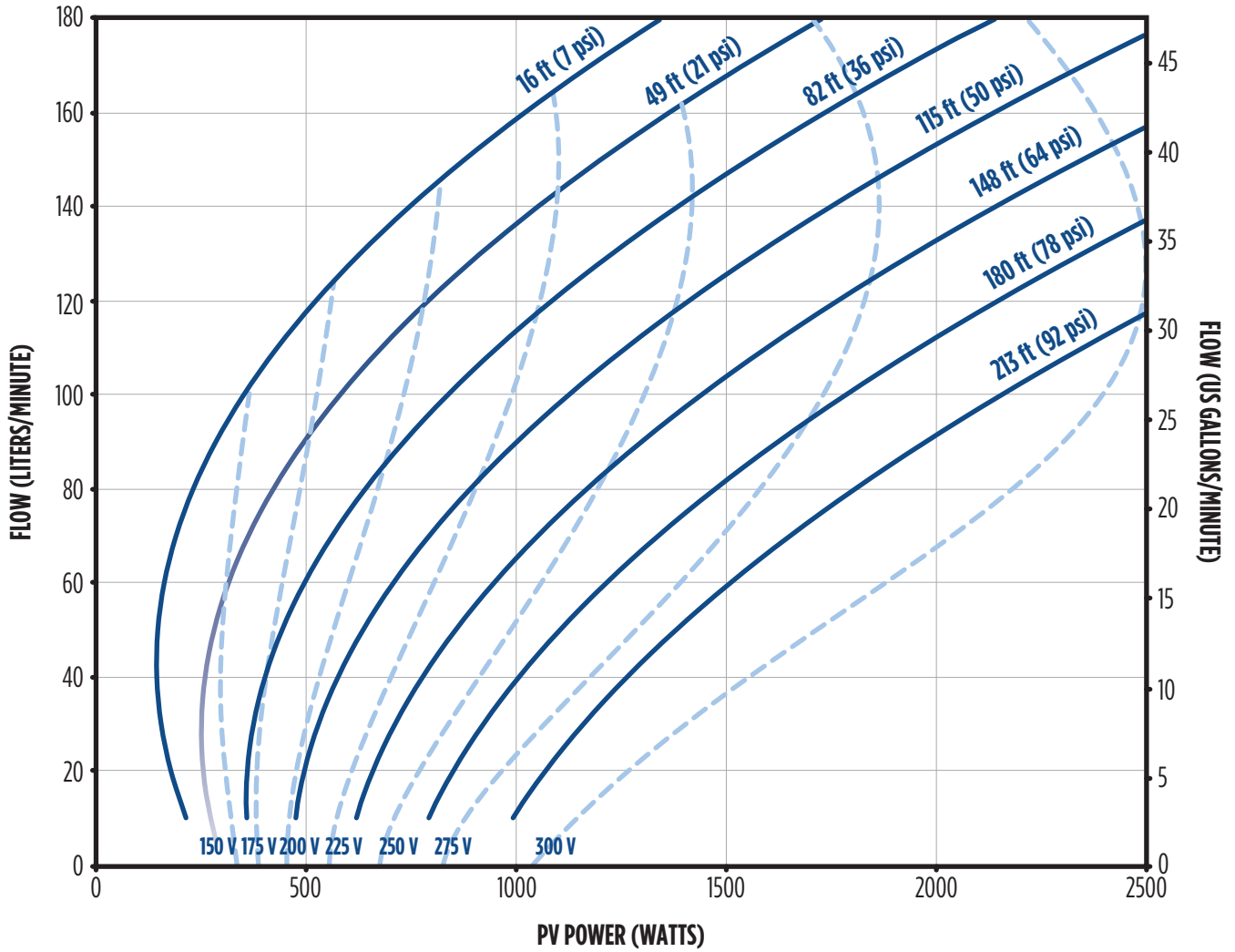
Photon™ Solar 1.5 hp Controller, 1 hp FCE Pump and Motor (208-230 V, 3-PH, 60 Hz)



## PHOTON™ SURFACE SOLARPAK - 0.5–1.5 HP PERFORMANCE

### FDSP-1.5HP-30MH

Photon™ Solar 1.5 hp Controller, 2 hp 30 US gpm MH Pump and Motor (208-230 V, 3-PH, 60 Hz)

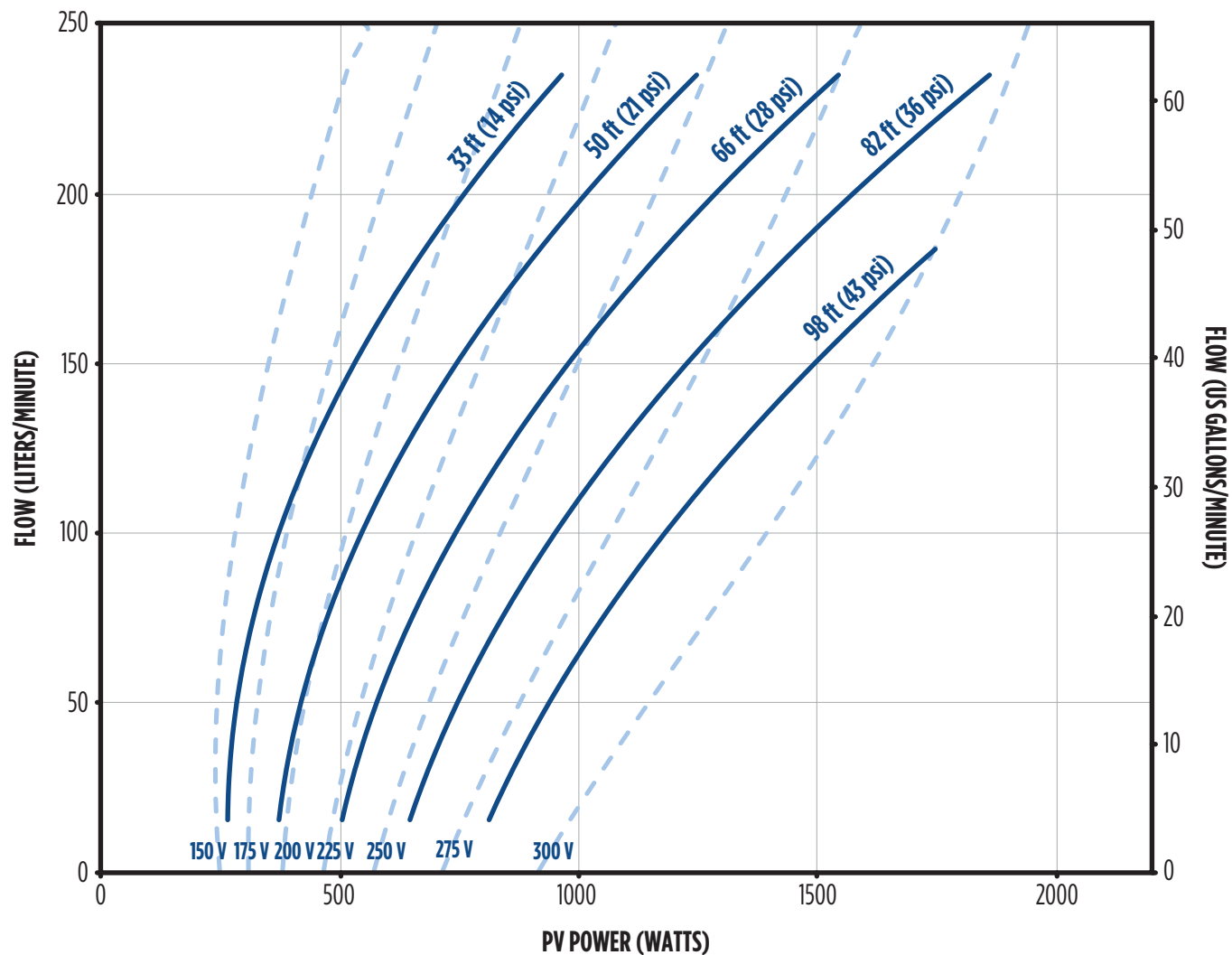




# PHOTON™ SURFACE SOLARPAK - 0.5-1.5 HP PERFORMANCE

## FDSP-1.5HP-TB

Photon™ Solar 1.5 hp Controller, 1.5 hp Turf Boss Pump and Motor (208-230 V, 3-PH, 60 Hz)

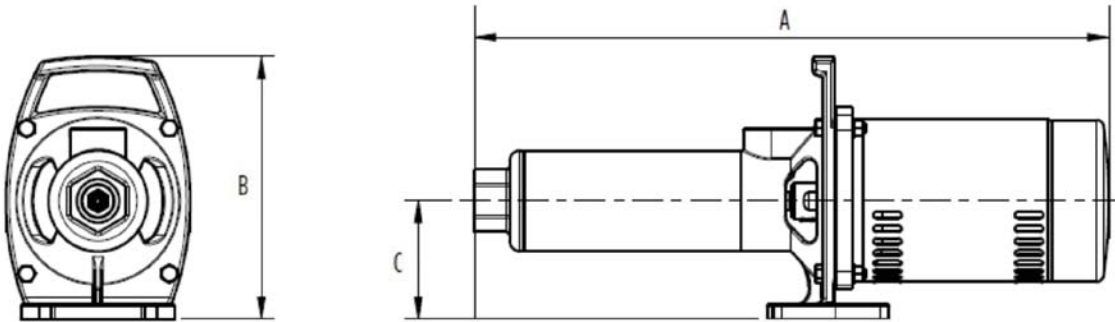


## PHOTON™ SURFACE SOLARPAK - DIMENSIONS

### SURFACE SOLAR DIMENSIONS

Model	HP	kW	PH	Dimensions										PMA Weight	
				A*		B*		C*		Discharge		Suction		lbs	kg
				in	mm	in	mm	in	mm	in	mm	in	mm		
7FBT05S4-T	0.5	0.37	3	24.69	627	9.09	231	4.09	104	1	25	1	25	37	16.8
30FMH2S5-T	2	1.5	3	21.61	549	8.00	203	4.00	102	1	25	1 1/4	32	43	19.5
FCE1CI-T	1	0.75	3	15.57	395	8.90	226	4.00	102	1	25	1 1/4	32	34	15.5
FTB15CI-SSI-T	1.5	1.1	3	25.00	635	8.87	225	7.27	185	1 1/2	38	1 1/2	38	55	25.0

\* Pump image is not representative of all products and is for general reference only; A = Length, B = Height, C = Vertical distance to center of suction line



### SURFACE SOLAR CONTROLLER DIMENSIONS

Photon™ Solar Controller	Applicable Pump	Motor Rating	Drive Input Voltage	Controller Size (in/mm)		
				L	W	D
581013000864-141B000	BT4 7 gpm 1/2 hp	1/2 hp, 208-230 V 3Ph 60 Hz, 1.9 SF	115-420 VDC	6.28/159.5	6.28/159.5	7.32/185.93
581013000864-141B001	MH 30 gpm 2 hp	2 hp, 208-230 V 3Ph 60 Hz, 1.3 SF	115-420 VDC	6.28/159.5	6.28/159.5	7.32/185.93
581013000864-141C000	FCE 1 hp	1 hp, 208-230 V 3Ph 60 Hz, 1.65 SF	115-420 VDC	6.28/159.5	6.28/159.5	7.32/185.93
581013000864-141A000	MH 30 gpm 2 hp	1.5 hp, 208-230 V 3Ph 60 Hz, 1.3 SF	115-420 VDC	6.28/159.5	6.28/159.5	7.32/185.93

## ACCESSORIES

### AC/DC POWER CONVERTER

- Option for use with all Photon drive models up to 1.5 hp
- Accepts either AC (single-phase) or DC power source\*
  - 115 V AC for use with 3-phase, 100 V Franklin Electric submersible motor
  - 230 V AC for use with 3-phase, 200 V Franklin Electric submersible motor
- Converter box output power becomes the input source supplying the Photon solar drive
- Output short circuit protection
- Type 4 indoor/outdoor rated enclosure for durability
- UL & CE rated
- Optional communication module

\*Source power from a single-phase generator, grid-tie AC source, or DC source; can pair with manual- or auto-crossover switch



Model	Description
581114204	AC/DC Power Converter, Solar Drive

### DC DISCONNECT & OTHER ACCESSORIES

Item	Order No.	Description	Shipping Information	
			Size (LxWxH)	Wt. (lbs)
DC Disconnect	305709035	Safety Switch IP66, 600Vdc 25A 2-Pole	4.5" x 4.0" x 7.25"	1.25
Mounting bracket	226944901	Mounting bracket for Photon VFD or AC/DC unit	10.5" x 7.13" x 7"	1.5
Comm. Card	581COMM-APP	Wi-Fi Module for Photon VFDs	13.5" x 3.5" x 3.5"	0.5

\*Solar Panel Mounting System requires one, 4.0" SCH40, steel pipe as a horizontal cross support beam; this is to be cut to length based on number and type of solar panel

\*\*Electrical specification data is solar industry STC



## ACCESSORIES

### PV PANELS w/RACKS & ACCESSORIES

No. of Panels	Order No.	Description	Pole size required* (Qty.)	PV Panel type (Included in kit)	PV Panel (ea.)				
					Watts**	Vmpp**	Voc**	LxWxH	Wt. (lbs)
2	305709015	2-SolarPV-60cell-KIT	4" SCH40 (1)	60-cell (Mono-PERC)	300W+	32V	40V	65" x 39" x 1.6"	40.1 lbs
3	305709000	3-SolarPV-60cell-KIT	4" SCH40 (1)						
4	305709001	4-SolarPV-60cell-KIT	4" SCH40 (1 or 2)						
5	305709002	5-SolarPV-60cell-KIT	4" SCH40 (2)						
6	305709003	6-SolarPV-60cell-KIT	4" SCH40 (2)						
7	305709004	7-SolarPV-60cell-KIT	4" SCH40 (3)						
8	305709005	8-SolarPV-60cell-KIT	4" SCH40 (3)						
9	305709006	9-SolarPV-60cell-KIT	4" SCH40 (3)						
10	305709007	10-SolarPV-60cell-KIT	4" SCH40 (4)						
11	305709008	11-SolarPV-60cell-KIT	4" SCH40 (4)						
12	305709009	12-SolarPV-60cell-KIT	4" SCH40 (4)						



\*Includes Solar (PV) panels, Pole-mount racks for PV panels, 600V DC-rated disconnect, connection wire for use between the panels and disconnect & between disconnect and solar VFD, ground wire and bonding equipment, galvanized ground rod and clamps

### SOLAR (PHOTOVOLTAIC) PANELS

No. of Panels	Order No.	Description	Panel type	PV Panel (ea.)				
				Watts**	Vmpp**	Voc**	LxWxH	Wt. (lbs)
1	305709030	1-SolarPV-72cell	72-cell	320W+	37V	46V	77" x 39" x 1.6"	49.6 lbs
25	305709052	25-SolarPV-72cell	(Polycrystalline)					



### MOUNTING RACKS

No. of PV panels	Order No.	Description	Pole size required* (Qty.)	Shipping Information	
				Size (LxWxH)	Wt. (lbs)
2	305709045	2-SolarPV-Rack	4" SCH40 (1)	36" x 10" x 10"	21
3	305709046	3-SolarPV-Rack	4" SCH40 (1)		23
4	305709047	4-SolarPV-Rack	4" SCH40 (1 or 2)		30
5	305709048	5-SolarPV-Rack	4" SCH40 (2)		33
6	305709049	6-SolarPV-Rack	4" SCH40 (2)		39

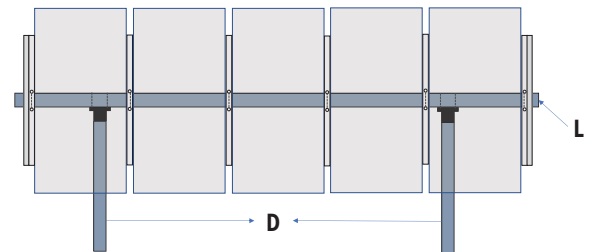
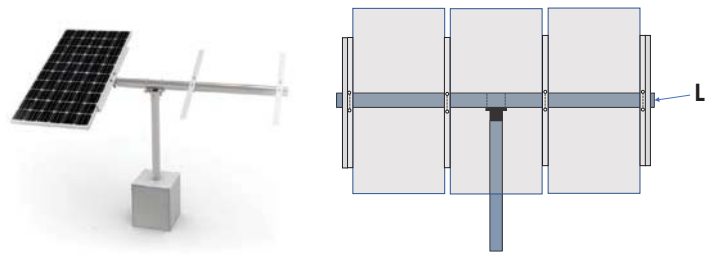


# INSTALLATION QUICK REFERENCE

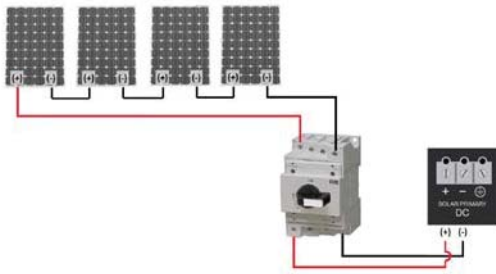
## DIMENSIONAL GUIDE FOR MOUNTING RACKS

Using (1) 4" SCH40 vertical pole	
No. panels	Cross pipe length (L):
2	7.5 ft
3	11 ft
4	15 ft

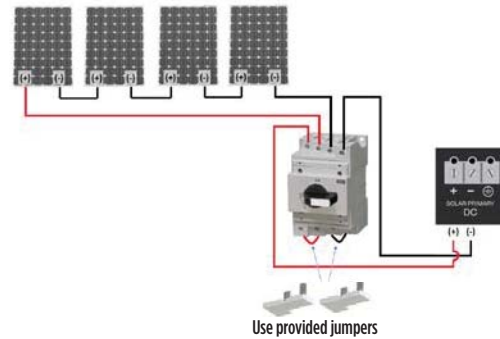
Using (2) 4" SCH40 vertical pole		
No. panels	Cross pipe length (L):	Dist. between poles (D):
4	15 ft	10 ft
5	18.5 ft	12 ft
6	22 ft	10 ft



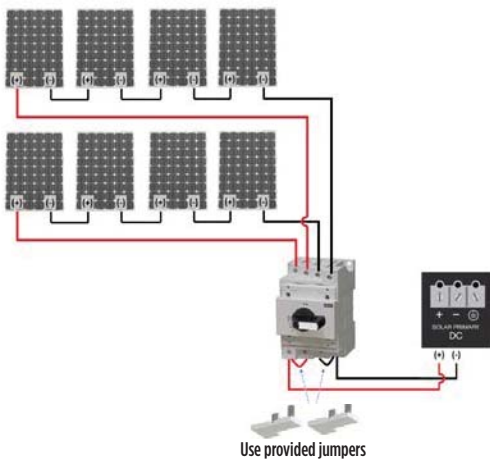
Example DC Disconnect with 1 string (typ. up to 600V)



Example DC Disconnect with 1 string (typ. up to 800V)



Example DC Disconnect with 2 strings (typ. up to 600V)

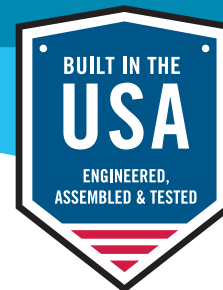




# High Head GS Series

10GPM – STAINLESS STEEL SUBMERSIBLE

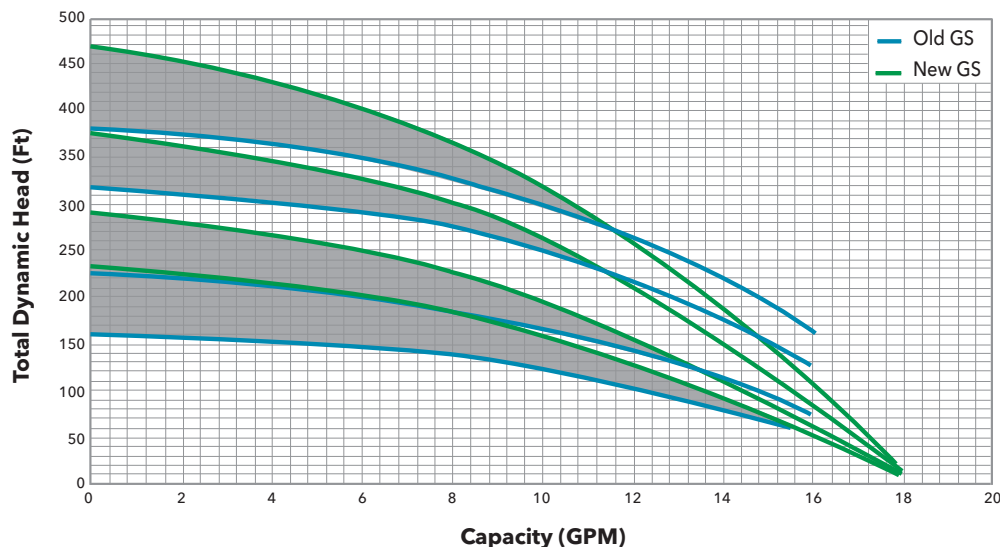
60 HZ - 1/2, 3/4, 1 HP



## FEATURES

- Redesigned impeller for improved hydraulic efficiency and overload prevention
- Additional staging allows for higher pressure and increased flow
- Premium Stainless Steel casing, motor adapter, discharge head
- Built-in Stainless Steel check valve
- Convenient Serviceability
- Superior Sand Handling
- VFD Compatible

## New GS vs. Previous GS Design Comparison

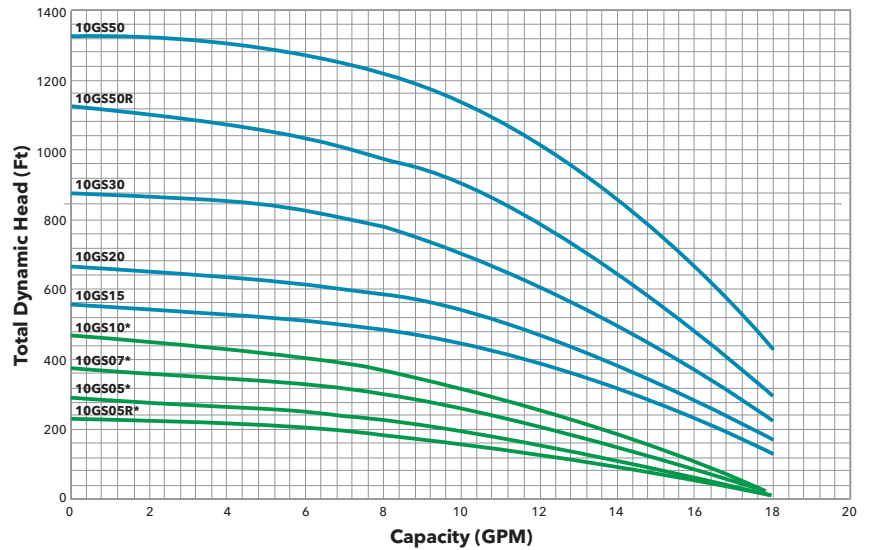


## WATER END DATA

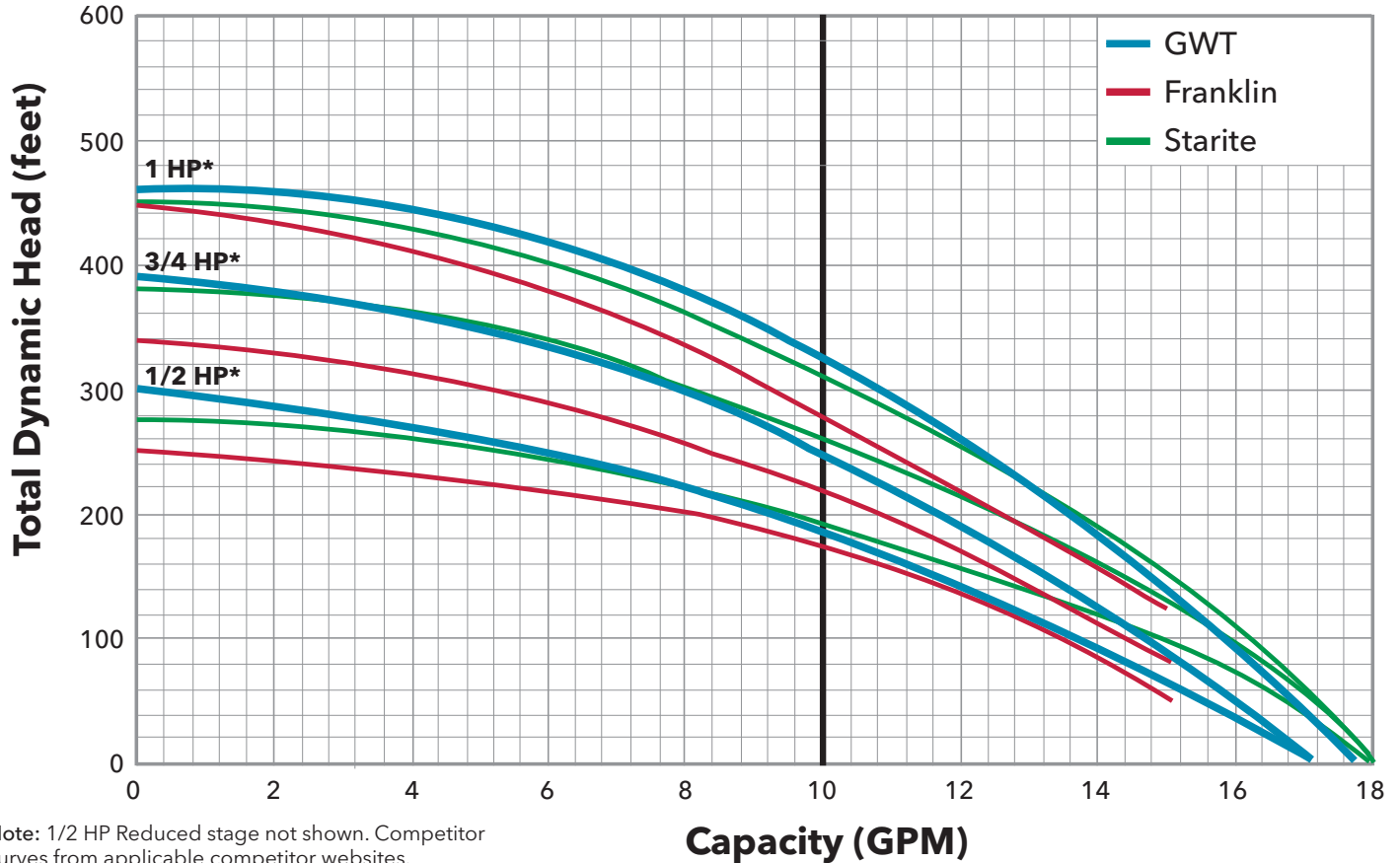
Series	Model	HP	# Stage	Length (in)	Weight (lbs)
10GS	10GS05R*	0.5	8	12.2	7
	10GS05*	0.5	10	13.6	8
	10GS07*	0.75	14	16.4	9
	10GS10*	1	16	17.7	11
	10GS15	1.5	17	18.4	12
	10GS20	2	20	21.7	13
	10GS30	3	27	27.5	18
	10GS50R	5	35	33	21
	10GS50	5	42	40.2	24

\* New High Head Hydraulic Design

## GS 10GPM SERIES



## GS HIGH HEAD VS. HIGH HEAD COMPETITOR



Note: 1/2 HP Reduced stage not shown. Competitor curves from applicable competitor websites.

\* HH versions



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# MYERS® The Rustler 4" Submersible Pump

The Rustler 4" submersible pump is one of the most popular models in the Myers® line. They have an exceptional history of durability and trouble-free operation. Stainless steel design and self-lubricating impellers offer the best service for extreme conditions. The Rustler also includes the Pentek® XE Series, high-thrust motor for efficient performance and years of extended service.

## APPLICATIONS

■ **Water systems...** residential, industrial, commercial, multiple housing and farm clean water use

## SPECIFICATIONS

**Shell** – 300 Series Stainless Steel

**Discharge** – High-density composite resin

**Discharge Bearing** – Nylatron®

**Impellers** – Engineered composite

**Diffusers** – Engineered composite

**Suction Caps** – Engineered composite

**Shaft and Coupling** – 300 Series Stainless Steel

**Intake Screen** – High-density composite resin

**Cable Guard** – PVC

**Check Valve** – Acetal

**Fasteners** – 300 Series Stainless Steel

## FEATURES

**Leading Performer** – Premium 4" submersible pump series field proven and preferred by industry pros.

**True Grit** – Self-lubricating impellers resist abrasion from grit and sand – outlasts the competition.

**Awesome Power** – Features the high-thrust Pentek XE motor for the ultimate in power, efficient performance and longer life. Thermal overload and lightning protected.

**Built-in Safety** – Built-in eyelet for safety line connection.

POWERED BY  
**PENTEK®**

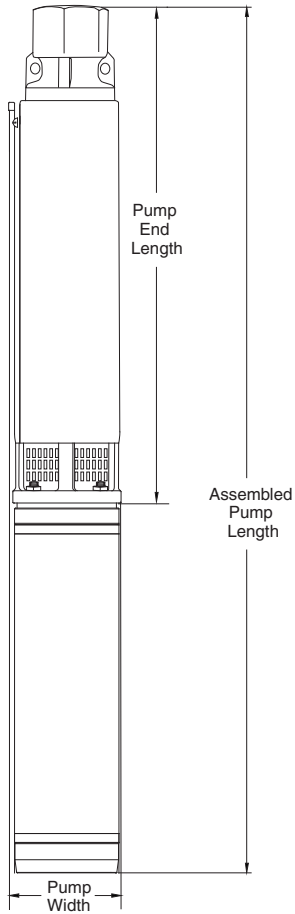


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# MYERS® The Rustler 4" Submersible Pump

## OUTLINE DIMENSIONS



## CABLE SELECTION

### THREE WIRE CABLE, 60 Hz (Service Entrance to Motor – Maximum Length in Feet)

Motor Rating		AWG Copper Wire Size										
Volts	HP	14	12	10	8	6	4	3	2	1	0	00
115	1/2	87	138	221	349	544	867	1090	1376	1734	2188	2761
230	1/2	348	553	883	1398	2175	3467	4359	5505	6935	8753	11044
	3/4	264	420	670	1061	1651	2632	3309	4178	5264	6644	8383
	1	226	359	573	908	1413	2252	2831	3575	4504	5685	7173
	1-1/2	197	314	501	793	1234	1968	2474	3124	3936	4968	6268

### TWO WIRE CABLE, 60 Hz (Service Entrance to Motor – Maximum Length in Feet)

Motor Rating		AWG Copper Wire Size										
Volts	HP	14	12	10	8	6	4	3	2	1	0	00
115	1/2	115	183	293	463	721	1150	1445	1825	2299	2902	3662
230	1/2	466	742	1183	1874	2915	4648	5843	7379	9295	11733	14803
	3/4	342	545	869	1376	2141	3413	4291	5419	6826	8617	10871
	1	241	383	611	968	1506	2400	3018	3811	4801	6060	7646
	1-1/2	199	317	505	801	1246	1986	2496	3153	3972	5013	6325

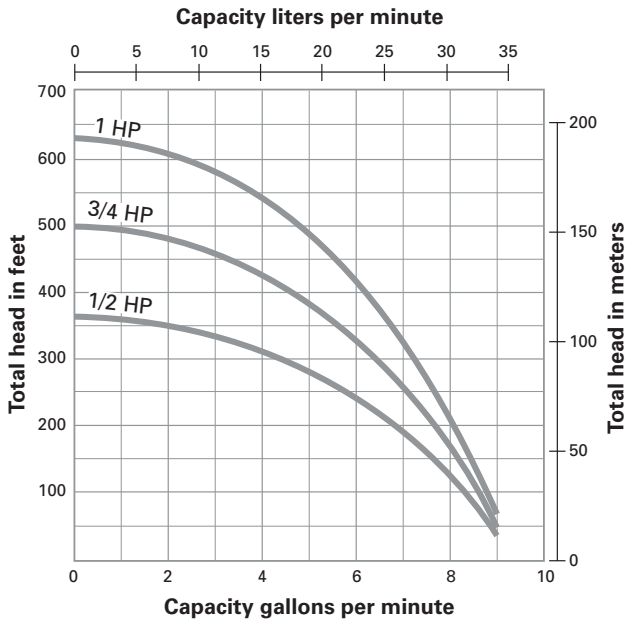
# MYERS® The Rustler 4" Submersible Pump

ORDERING INFORMATION												
GPM	Motor Type	HP	Stg.	PH	Volt	Assembled Pump			Pump End		Pentek® Motor	Control Box
						Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Length Inches*	Catalog Number	Catalog Number
5	2-Wire	1/2	11	1	115	2NFL51-5-P4	24-3/4	33	N55R	15-1/4	P42B0005A1	
		1/2	11	1	230	2NFL52-5-P4	24-3/4	33	N55R	15-1/4	P42B0005A2	
		3/4	15	1		2NFL72-5-P4	28-3/4	35	N75R	18	P42B0007A2	
		1	19	1		2NFL102-5-P4	32-1/2	42	N105R	20-3/4	P42B0010A2	
	3-Wire	1/2	11	1	115	3NFL51-5-P4	24-3/4	30	N55R	15-1/4	P43B0005A1	SMC-IR0511
		1/2	11	1	230	3NFL52-5-P4	24-3/4	30	N55R	15-1/4	P43B0005A2	SMC-CR0521
		3/4	15	1		3NFL72-5-P4	28-3/4	34	N75R	18	P43B0007A2	SMC-CR0721
		1	19	1		3NFL102-5-P4	32-1/2	39	N105R	20-3/4	P43B0010A2	SMC-CR1021
8	2-Wire	1/2	9	1	115	2NFL51-8-P4	24-1/2	31	N58R	15	P42B0005A1	
		1/2	9	1	230	2NFL52-8-P4	24-1/2	31	N58R	15	P42B0005A2	
		3/4	12	1		2NFL72-8-P4	27-3/4	35	N78R	17	P42B0007A2	
		1	15	1		2NFL102-8-P4	31-1/2	40	N108R	19-3/4	P42B0010A2	
		1-1/2	20	1	2NFL152-8-P4	38-3/4	49	N158R	23-1/2	P42B0015A2		
	3-Wire	1/2	9	1	115	3NFL51-8-P4	24-1/2	29	N158R	15	P43B0005A1	SMC-IR0511
		1/2	9	1	230	3NFL52-8-P4	24-1/2	29	N58R	15	P43B0005A2	SMC-CR0521
		3/4	12	1		3NFL72-8-P4	27-3/4	33	N78R	17	P43B0007A2	SMC-CR0721
		1	15	1		3NFL102-8-P4	31-1/2	37	N108R	19-3/4	P43B0010A2	SMC-CR1021
		1-1/2	20	1	3NFL152-8-P4	37	39	N158R	23-1/2	P43B0015A2	SMC-CR1521	
12	2-Wire	1/2	7	1	115	2NFL51-12-P4	23-1/4	29	N512R	13-3/4	P42B0005A1	
		1/2	7	1	230	2NFL52-12-P4	23-1/4	29	N512R	13-3/4	P42B0005A2	
		3/4	9	1		2NFL72-12-P4	26-1/4	34	N712R	15-1/2	P42B0007A2	
		1	11	1		2NFL102-12-P4	29	38	N1012R	17-1/4	P42B0010A2	
		1-1/2	16	1	2NFL152-12-P4	36-3/4	45	N1512R	21-1/2	P42B0015A2		
	3-Wire	1/2	7	1	115	3NFL51-12-P4	23-1/4	28	N512R	13-3/4	P43B0005A1	SMC-IR0511
		1/2	7	1	230	3NFL52-13-P4	23-1/4	28	N512R	13-3/4	P43B0005A2	SMC-CR0521
		3/4	9	1		3NFL72-12-P4	26-1/4	33	N712R	15-1/2	P43B0007A2	SMC-CR0721
		1	11	1		3NFL102-12-P4	29	36	N1012R	17-1/2	P43B0010A2	SMC-CR1021
		1-1/2	16	1	3NFL152-12-P4	35	43	N1512R	21-1/2	P43B0015A2	SMC-CR1521	
20	2-Wire	3/4	6	1	230	2NFL72-20-P4	25-1/2	31	N720R	13-3/4	P42B0007A2	
		1	8	1		2NFL102-20-P4	27-1/2	36	N1020R	15-3/4	P42B0010A2	
		1-1/2	11	1		2NFL152-20-P4	34-1/4	43	N1520R	19	P42B0015A2	
	3-Wire	3/4	6	1	230	3NFL72-20-P4	25-1/2	31	N720R	13-3/4	P43B0007A2	SMC-CR0721
		1	8	1	3NFL102-20-P4	27-1/2	35	N1020R	15-3/4	P43B0010A2	SMC-CR1021	
		1-1/2	11	1	3NFL152-20-P4	32-1/2	41	N1520R	19	P43B0015A2	SMC-CR1521	

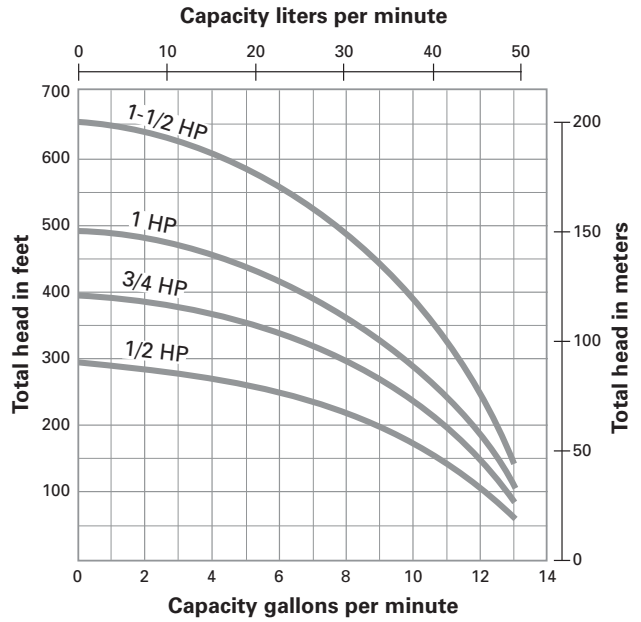
\*Length and weight are approximate.

# MYERS® The Rustler 4" Submersible Pump

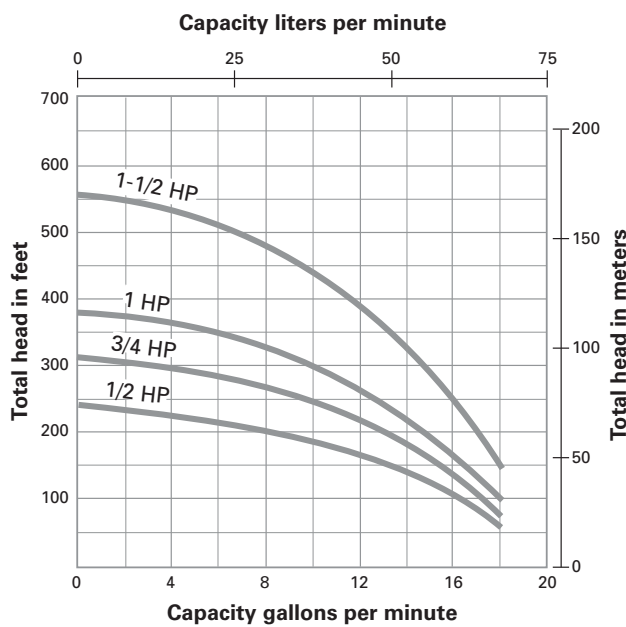
**PUMP PERFORMANCE - 5 GPM**



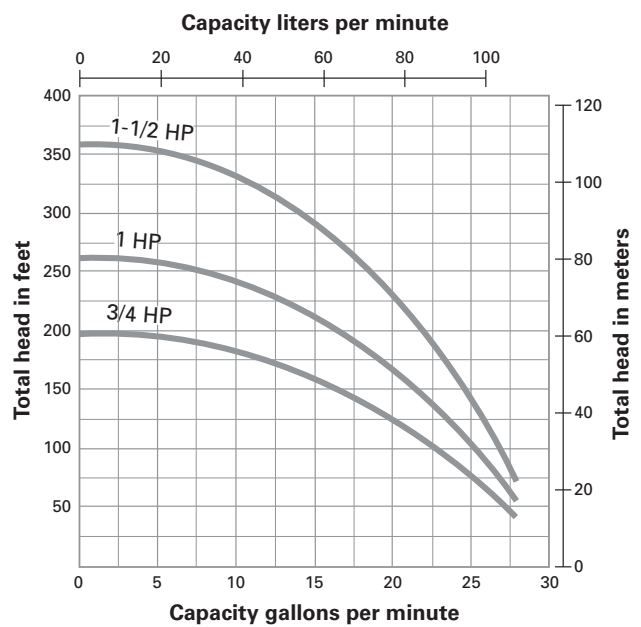
**PUMP PERFORMANCE - 8 GPM**



**PUMP PERFORMANCE - 12 GPM**



**PUMP PERFORMANCE - 20 GPM**



# MYERS® The Rustler 4" Submersible Pump

PUMP PERFORMANCE																			
HP	2-Wire Cat. No.	3-Wire Cat. No.	Tank Pres.	Pumping Depth in Feet															
				20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500
<b>5 GALLONS PER MINUTE</b>																			
1/2	2NFL51-5-P4* 2NFL52-5-P4	3NFL51-5-P4* 3NFL52-5-P4	20/40 30/50 40/60					6.5	6.5 6.3	6.6 6.2 5.6	6.2 5.7 5.2	5.8 5.2 4.6	5.3 4.6 3.9	3.7					
3/4	2NFL72-5-P4	3NFL72-5-P4	20/40 30/50 40/60								6.7	6.5	6.6 6.2	6.1 5.7 5.3	5.3 4.8 4.3	4.2 3.5			
1	2NFL102-5-P4	3NFL102-5-P4	20/40 30/50 40/60											6.6	6.5 6.3 6.0	5.9 5.6 5.3	5.3 4.9 4.6	4.4 3.9 3.4	3.3 2.5
<b>8 GALLONS PER MINUTE</b>																			
1/2	2NFL51-8-P4* 2NFL52-8-P4	3NFL51-8-P4* 3NFL52-8-P4	20/40 30/50 40/60		10.8	10.8 10.1	11.0 10.1 9.3	10.3 9.3 8.3	9.5 8.3 7.1	8.5 7.2 5.7	7.5 5.8	6.0							
3/4	2NFL72-8-P4	3NFL72-8-P4	20/40 30/50 40/60				11.1	11.1 10.6	11.2 10.6 10.0	10.7 10.0 9.5	10.2 9.5 8.8	9.6 8.8 8.0	9.0 8.0 7.1	6.8 5.5					
1	2NFL102-8-P4	3NFL102-8-P4	20/40 30/50 40/60							10.9	10.9 10.5	11.0 10.5 10.0	10.6 10.0 9.5	9.3 8.7 8.1	7.9 7.0 6.2	5.8 4.7			
1-1/2	2NFL152-8-P4	3NFL152-8-P4	20/40 30/50 40/60											11.1 10.7 10.5	10.4 10.0 9.6	9.5 9.0 8.5	8.4 7.7 7.3	7.2 6.3 5.7	5.5 4.6
<b>12 GALLONS PER MINUTE</b>																			
1/2	2NFL51-12-P4* 2NFL52-12-P4	3NFL51-12-P4* 3NFL52-12-P4	20/40 30/50 40/60	14.5	14.5 13.0	15.0 13.0 11.5	13.5 11.5 9.8	12.0 9.8	10.3 7.2	8.0									
3/4	2NFL72-12-P4	3NFL72-12-P4	20/40 30/50 40/60		15.5	15.5 14.5	15.7 14.5 13.4	14.7 13.4 12.2	13.7 12.2 10.9	12.6 10.9 9.4	11.2 9.4 7.5	9.8 7.5	8.0						
1	2NFL102-12-P4	3NFL102-12-P4	20/40 30/50 40/60				15.3	15.3 14.5	15.5 14.5 13.5	14.7 13.5 12.6	13.7 12.6 11.6	12.7 11.6 10.5	11.9 10.5 9.2	8.7					
1-1/2	2NFL152-12-P4	3NFL152-12-P4	20/40 30/50 40/60								15.4	15.4 14.9	15.6 14.9 14.3	14.2 13.4 12.8	12.6 11.7 11.0	10.8 9.7 8.8	8.5		
<b>20 GALLONS PER MINUTE</b>																			
3/4	2NFL72-20-P4	3NFL72-20-P4	20/40 30/50 40/60	23.5 21.5 19.5	22.0 19.5 16.0	20.0 16.0	17.0												
1	2NFL102-20-P4	3NFL102-20-P4	20/40 30/50 40/60	24.0 23.0	24.5 23.0 21.5	23.0 21.5 20.0	22.0 20.0 17.5	20.5 17.5 14.5	18.0 14.5	15.5									
1-1/2	2NFL152-20-P4	3NFL152-20-P4	20/40 30/50 40/60		24.5 23.5	24.5 23.5 22.5	24.5 23.5 22.5	23.5 22.5 21.5	22.5 21.5 20.0	21.5 20.0 18.5	20.5 18.5 16.5	19.0 16.5 14.5	17.0 14.5 12.5						

All pumps wired for 230 volt operation.

Values based on 1" minimum diameter pipe.

\*These 1/2 HP pumps are available with 115 Volt motors.