





PUMP REFERENCE GUIDE




PUMP REFERENCE GUIDE

Variable Speed Pumps				GPM at Various Feet of Head													Pipe Capacity in Gallons		Recommended Pipe Size 1-25'	Recommended Pipe Size 26-50'	Recommended Pipe Size 51-100'	Cartridge Filters (smallest cartridge filter that can be used)	D.E. Filter	Sand Filter						
Full Rated				Gallons Per Minute													Turnover Rate													
Model	THP***	Amps 230V	RPM	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM
				FEET OF HEAD																										
ePump™ 	VSSH220	2.21	9.0	3450	78'	78'	75'	71'	63'	55'	45'						50'	43,200	57,600	3"	2.5"	3"	2.5"	3"	2.5"	460	N/A	60	N/A	N/A
				3000	58'	58'	55'	50'	42'	33'									Always Size Pump at High Speed											
				2400	37'	37'	32'	25'	18'										Always Size Pump at High Speed											
				1500	12'	11'	7'												Always Size Pump at High Speed											
				600	3'														Always Size Pump at High Speed											
VSSH270 + JEP 2.0SVRS†	2.70	10.5	10.5	3450	83'	83'	82'	77'	69'	58'	47'						50'	48,600	64,800	3"	2.5"	3"	3"	3"	3"	580	N/A	N/A	N/A	N/A
				3000	63'	63'	60'	55'	47'	37'								Always Size Pump at High Speed												
				2400	40'	40'	37'	30'	22'									Always Size Pump at High Speed												
				1500	16'	15'	10'											Always Size Pump at High Speed												
				600	3'													Always Size Pump at High Speed												

- Powerful, efficient operation
- Smooth, quiet functioning with Jandy's proprietary quiet technology
- Largest trap basket on the market for reduced maintenance
- Packed with user-friendly features including ergonomic handles and easy to read indicators

VS PlusHP Pump				Gallons Per Minute													Turnover Rate													
Model	THP***	Amps 230V	RPM	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM
				FEET OF HEAD																										
	VSPHP270	2.70	10.5	3450	83'	84'	81'	77'	67'	56'	44'	8'					60'	40,320	53,760	3"	2.5"	3"	3"	3"	3"	460	150	60	N/A	N/A
				3000	64'	63'	60'	54'	45'	35'	26'							Always Size Pump at High Speed												
				2400	41'	40'	36'	29'	20'	10'								Always Size Pump at High Speed												
				1500	17'	14'	9'	3'										Always Size Pump at High Speed												
				600	2'													Always Size Pump at High Speed												

- Up to 90% energy savings for lower electric bill†
- Up to 70% quieter than single-speed pumps.†
- Permanent magnet, totally enclosed fan cooled (TEFC) motor for an extremely efficient motor and extended service life

VS FloPro™ Pump				Gallons Per Minute													Turnover Rate													
Model	THP***	Amps 230V	RPM	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM
				FEET OF HEAD																										
	VSFHP165	1.65	10.0	3450	68'	64'	58'	49'	37'	22'							50'	28,080	37,440	2.5"	2.0"	2.5"	2.5"	2.5"	2.5"	340	150	48	N/A	100
				2500	43'	39'	32'	23'	10'								Always Size Pump at High Speed													
				1500	15'	11'	5'										Always Size Pump at High Speed													
				600	6'												Always Size Pump at High Speed													
VSFHP270	2.70	10.5	10.5	3450	85'	82'	77'	70'	60'	47'	35'						50'	41,400	55,200	3"	2.5"	3"	3"	3"	3"	340	150	60	N/A	N/A
				2500	42'	39'	33'	27'	17'							Always Size Pump at High Speed														
				1500	12'	11'	5'										Always Size Pump at High Speed													
				600	3'												Always Size Pump at High Speed													


- Easy to install and service energy-efficient variable-speed pump.
- Adjustable base options allow for easy direct replacement of Hayward® Super Pump®, or Pentair® WhisperFlo® and SuperFlo® pumps.
- Optional pump base allows for direct replacement of Sta-Rite® Max-E-Pro®, Sta-Rite Dura-Glas®, Sta-Rite Dura-Glas II, and Sta-Rite Max-E-Glas® pumps.
- Digital controller included.


Recommended velocity for sch 40 pvc rigid pipe:
 -- 6 ft./sec. suction -- 8 ft./sec. discharge

* Minimum 1,050 RPM
 ** With Bypass
 *** THP = Total Horsepower
 †Actual savings dependant on pump horsepower, usage, and energy costs.



PUMP REFERENCE GUIDE

Single & 2-Speed Pumps	Full Rated		Up Rated		Max Load Amps			GPM at Various Feet of Head										Pipe Capacity in Gallons		Recommended Pipe Size 1-25'	Recommended Pipe Size 26-50'	Recommended Pipe Size 51-100'	Cartridge Filters (smallest cartridge filter that can be used)	D.E. Filter	Sand Filter																		
	Model	THP***	Model	THP***	Amps 115V	Amps 230V	Amps 460V	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM									
Stealth™ Pump																																											
																																											
<ul style="list-style-type: none"> Highest performance and efficiency levels Incorporates "Quiet Technology" Largest capacity basket in the industry Energy efficient motor saves up to 20% on energy costs.† Ergonomic Cam-Lock Lid with easy to read aligning indicators Comes complete with 2" x 2 1/2" (2 1/2" x 3" on 3 & 5 HP model) quick-connect unions 																																											
							Gallons Per Minute										Turnover Rate																										
							FEET OF HEAD																																				
SHPF .5		.95	SHPM .75		.95	8.8	4.5	60'	56'	48'	37'											55'	15,000	20,000	1.5"	1.5"	1.5"	1.5"	2"	2"	340	100	48	22"/25"	30"								
SHPF .75		1.25	SHPM 1.0		1.25	11.2	5.6	67'	62'	55'	43'	20'											60'	18,000	24,000	2"	2"	2"	2"	2"	2"	340	100	48	22"/25"	30"							
SHPF 1.0		1.65	SHPM 1.5		1.65	14.8	7.4	76'	73'	68'	60'	48'	31'											60'	28,800	38,400	2"	2"	2"	2"	2.5"	2.5"	340	100	48	25"	30"						
SHPF 1.5		2.21	SHPM 2.0		2.21		8.8	80'	79'	77'	71'	64'	54'	42'	28'											60'	39,600	52,800	2"	2"	2.5"	2.5"	3"	3"	340	150	60	N/A	N/A				
SHPF 2.0		2.60	SHPM 2.5		2.60		10.0	87'	87'	83'	78'	71'	62'	52'	38'											60'	45,000	60,000	2.5"	2.5"	2.5"	2.5"	3"	3"	460	150	60	N/A	N/A				
SHPF 3.0		3.45			3.45		13.6	102'	100'	96'	90'	83'	75'	64'	52'	37'											60'	52,000	70,000	3"	3"	3"	3"	4"	4"	580**	N/A	N/A	N/A	N/A			
SHPF 5.0		5.00			5.00		19.0	100'	100'	98'	97'	95'	91'	88'	82'	77'	70'	62'	53'											60'	81,000	108,000	4"	4"	4"	4"	4"	4"	580**	N/A	N/A	N/A	N/A
2-Speed Pumps—High Speed																																											
SHPF 1.0-2		1.65	SHPM 1.5-2		1.65		7.2	76'	73'	68'	60'	48'	31'											60'	28,800	38,400	2"	2"	2"	2"	2.5"	2.5"	340	100	48	25"	30"						
SHPF 1.5-2		2.21	SHPM 2.0-2		2.21		10.0	80'	79'	77'	71'	64'	54'	42'	28'											60'	39,600	52,800	2"	2"	2.5"	2.5"	3"	3"	340	150	60	N/A	N/A				
SHPF 2.0-2		2.60	SHPM 2.5-2		2.60		11.0	87'	87'	83'	78'	71'	62'	52'	38'											60'	45,000	60,000	2.5"	2.5"	2.5"	2.5"	3"	3"	460	150	60	N/A	N/A				
2-Speed Pumps—Low Speed																																											
SHPF 1.0-2		1.65	SHPM 1.5-2		1.65		3.0	18'	13'	9'	3'											Always Size Pump at High Speed																					
SHPF 1.5-2		2.21	SHPM 2.0-2		2.21		3.5	19'	17'	13'	7'																																
SHPF 2.0-2		2.60	SHPM 2.5-2		2.60		4.0	21'	19'	14'	8'																																
3 Phase Pumps																																											
SHPF 1.0-3		1.65				4.6	2.3	76'	73'	68'	60'	48'	31'											60'	28,800	38,400	2"	2"	2"	2"	2.5"	2.5"	340	100	48	25"	30"						
SHPF 1.5-3		2.21				5.8	2.9	80'	79'	77'	71'	64'	54'	42'	28'											60'	39,600	52,800	2"	2"	2.5"	2.5"	3"	3"	340	150	60	N/A	N/A				
SHPF 2.0-3		2.60				6.8	3.4	87'	87'	83'	78'	71'	62'	52'	38'											60'	45,000	60,000	2.5"	2.5"	2.5"	2.5"	3"	3"	460	150	60	N/A	N/A				
SHPF 3.0-3		3.45				8.6	4.3	102'	100'	96'	90'	83'	75'	64'	52'	37'											60'	52,000	70,000	3"	3"	3"	3"	4"	4"	580**	N/A	N/A	N/A	N/A			

PlusHP Pump	Full Rated		Up Rated		Max Load Amps			GPM at Various Feet of Head										Pipe Capacity in Gallons		Recommended Pipe Size 1-25'	Recommended Pipe Size 26-50'	Recommended Pipe Size 51-100'	Cartridge Filters (smallest cartridge filter that can be used)	D.E. Filter	Sand Filter														
	Model	THP***	Model	THP***	115V	230V	460V	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM					
PlusHP Pump																																							
																																							
<ul style="list-style-type: none"> Powerful, efficient, compact high head pump Enlarged trap basket for increased debris holding capacity Ergonomic Cam-Lock Lid with easy to read aligning indicators Comes complete with 2" x 2 1/2" quick-connect unions Ideal for in-floor cleaning, spa-jet boosters and solar systems 																																							
							Gallons Per Minute										Turnover Rate																						
							FEET OF HEAD																																
PHPF .50		.98	PHPM .75		.98	10.8	5.4	59'	54'	48'	37'	23'											55'	15,000	20,000	1.5"	1.5"	1.5"	1.5"	2"	2"	340	100	48	22"/25"	30"			
PHPF .75		1.24	PHPM 1.0		1.24	14.2	7.1	67'	63'	58'	47'	30'											60'	18,000	24,000	2"	2"	2"	2"	2"	2"	340	100	48	22"/25"	30"			
PHPF 1.0		1.65	PHPM 1.5		1.65	16.0	8.0	75'	72'	68'	62'	52'	38'											60'	28,800	38,400	2"	2"	2"	2"	2.5"	2.5"	340	100	48	25"	30"		
PHPF 1.5		2.25	PHPM 2.0		2.25	22.4	11.2	80'	79'	77'	72'	65'	56'	45'	32'											60'	39,600	52,800	2"	2"	2.5"	2.5"	3"	3"	340	150	60	N/A	N/A
PHPF 2.0		2.60	PHPM 2.5		2.60		11.5	87'	87'	83'	78'	71'	62'	52'	37'											60'	45,000	60,000	2.5"	2.5"	2.5"	2.5"	3"	3"	460	150	60	N/A	N/A
2-Speed Pumps—High Speed																																							
PHPF 1.0-2		1.65	PHPM 1.5-2		1.65		7.2	75'	72'	68'	62'	52'	38'											60'	28,800	38,400	2"	2"	2"	2"	2.5"	2.5"	340	100	48	25"	30"		
PHPF 1.5-2		2.21	PHPM 2.0-2		2.21		10.0	80'	79'	77'	72'	65'	56'	45'	32'											60'	39,600	52,800	2"	2"	2.5"	2.5"	3"	3"	340	150	60	N/A	N/A
PHPF 2.0-2		2.60	PHPM 2.5-2		2.60		11.0	87'	87'	83'	78'	71'	62'	52'	37'											60'	45,000	60,000	2.5"	2.5"	2.5"	2.5"	3"	3"	460	150	60	N/A	N/A
2-Speed Pumps—Low Speed																																							
PHPF 1.0-2		1.65	PHPM 1.5-2		1.65		3.0	18'	13'	9'	3'											Always size pump at High Speed																	
PHPF 1.5-2		2.21	PHPM 2.0-2		2.21		3.5	20'	18'	13'	9'																												
PHPF 2.0-2		2.60	PHPM 2.5-2		2.60		4.0	22'	19'	14'	9'																												

Recommended velocity for sch 40 pvc rigid pipe:
 -- 6 ft./sec. suction -- 8 ft./sec. discharge

* Minimum 1,050 RPM


** With Bypass

*** THP = Total Horsepower

†Actual savings dependant on pump horsepower, usage, and energy costs.



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Single & 2-Speed Pumps	Full Rated		Up Rated		Max Load Amps			GPM at Various Feet of Head										Pipe Capacity in Gallons	Recommended Pipe Size 1-25'	Recommended Pipe Size 26-50'	Recommended Pipe Size 51-100'	Cartridge Filters (smallest cartridge filter that can be used)	D.E. Filter	Sand Filter											
FloPro™ Series Pump	Model		THP***		115V	230V	460V	Gallons Per Minute										Turnover Rate																	
 <ul style="list-style-type: none"> • Medium-head, high-flow pump in an ultra compact body. Excellent choice for small equipment areas. • Adjustable base options allow for easy direct replacement of Hayward® Super Pump® or Pentair® WhisperFlo® and SuperFlo® pump. • Optional pump base allows for direct replacement of Sta-Rite® Max-E-Pro®, Sta-Rite Dura-Glas®, Sta-Rite Dura-Glas II, and Sta-Rite Max-E-Glas® pumps. • Ergonomic Cam-Lock lid with easy alignment indicators. • Equipped with 2" unions. 	Model		THP***		115V	230V	460V	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM	
	Up Rated							FEET OF HEAD																											
	FHPM.75	.98		.98		10.8	5.4		52'	43'	31'	14'										40'	16,200	21,600	1.5"	1.5"	1.5"	1.5"	2"	2"	340	100	N/A	22"/25"	30"
	FHPM1.0	1.24		1.24		14.2	7.1		59'	54'	45'	33'	17'									40'	18,000	24,000	2"	2"	2"	2"	2.5"	2.5"	340	100	48	22"/25"	30"
	FHPM1.5	1.65		1.65		16	8		70'	66'	58'	49'	38'	25'								40'	27,360	36,480	2"	2"	2.5"	2.5"	2.5"	2.5"	340	100	48	22"/25"	30"
	FHPM2.0	2.26		2.26		22.4	11.2		80'	75'	68'	58'	48'	35'								40'	34,560	46,080	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	340	100	48	N/A	30"
	FHPM2.5	2.5		2.5		11.5			86'	81'	75'	69'	63'	55'	43'							40'	46,080	61,440	3"	3"	3"	3"	4"	4"	340	150	60	N/A	N/A
	2-Speed Pumps—High Speed																																		
	FHPM1.0-2	1.25		1.25			7.2		59'	54'	45'	33'	17'									50'	28,800	38,400	2"	2"	2"	2"	2.5"	2.5"	340	100	48	22"/25"	30"
	FHPM1.5-2	1.65		1.65			10		70'	66'	58'	49'	38'	25'								50'	39,600	52,800	2"	2"	2.5"	2.5"	3"	3"	340	150	60	25"	30"
FHPM2.0-2	2.22		2.22			11		80'	75'	68'	58'	48'	35'								50'	45,000	60,000	2.5"	2.5"	2.5"	2.5"	3"	3"	460	150	60	N/A	30"	
2-Speed Pumps—Low Speed																																			
FHPM1.0-2	1.25		1.25			2.3		14'	8'													Always size pump at High Speed													
FHPM1.5-2	1.65		1.65			3		17'	12'	7'																									
FHPM2.0-2	2.21		2.21			3.5		18'	15'	9'																									

Water Feature Pump	Model	THP***	GPM	115V	230V	460V	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM	
							FEET OF HEAD																											
	WFTR80	1.25	80	10.8	5.4		58'	56'	50'	40'	27'	15'									40'			2"	2"	2"	2"	2.5"	2.5"	340	100	48	25"	30"
	WFTR120	1.65	120	16	8		73'	71'	58'	62'	54'	43'	33'	18'							40'			3"	2.5"	3"	2.5"	3"	3"	400	150	60	N/A	N/A
	WFTR160	2.60	160		11.5		83'	82'	80'	77'	70'	62'	53'	42'							40'			3"	3"	3"	3"	4"	3"	N/A	N/A	N/A	N/A	N/A

- High-flow, medium-head pump.
- Designed to conserve energy and lower operating costs.
- Ergonomic cam-lock lid with easy to read alignment indicators.
- Equipped with 2" x 2 1/2" quick-connect unions

WaterFall Pump	Model	THP***	GPM	115V	230V	460V	20	40	60	80	100	120	140	160	180	200	220	240	260	TDH	6 hr	8 hr	Suc.	Disc.	Suc.	Disc.	Suc.	Disc.	CV/CL	CS	DEV	SFTM	JS-SM	
							FEET OF HEAD																											
	SWF125	0.65	125	9.6	4.8	.65	24'	23'	22'	20'	17'	12'	6'								15'			2.5"	2.5"	2.5"	2.5"	3"	2.5"	N/A	N/A	N/A	N/A	N/A
	SWF185	1.25	185	12	6	1.25	27'	26'	25'	24'	23'	21'	18'	16'							15'			3"	3"	3"	3"	4"	3"	N/A	N/A	N/A	N/A	N/A

- Designed for high-flow, low pressure applications and other special water features.
- 60% quieter and uses less energy than standard pool pumps.
- Ergonomic cam-lock lid with alignment indicators.
- Equipped with 2 1/2" x 3" unions

*** THP = Total Horsepower

Recommended velocity for sch 40 pvc rigid pipe:
 -- 6 ft./sec. suction
 -- 8 ft./sec. discharge



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