Mecklenburg County Health Department

Pump Identification

January 2020

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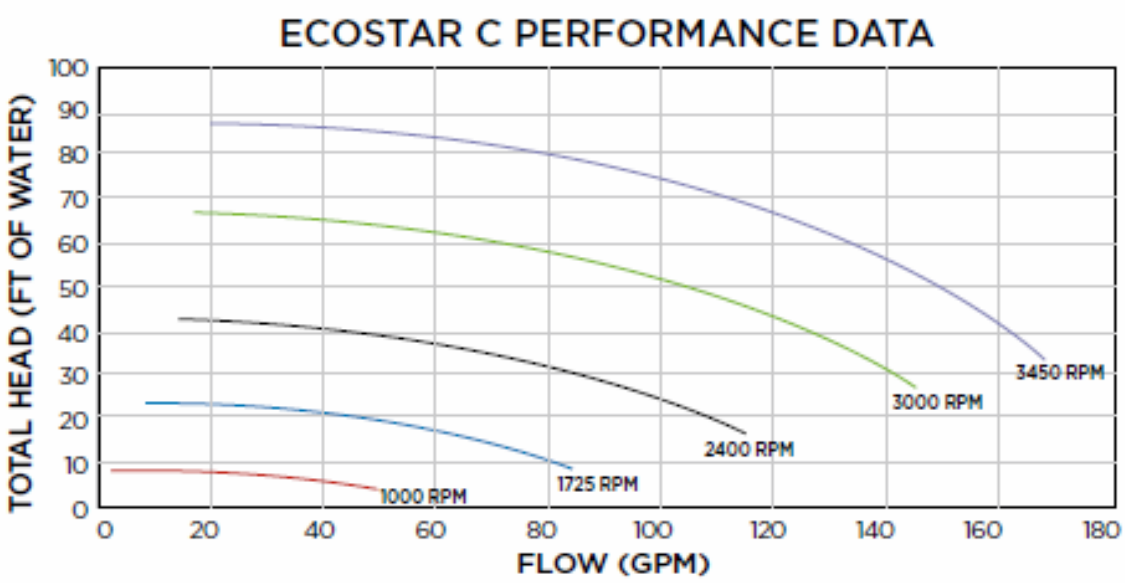
** This document does not take the place of manufacturer specifications from the manufacturer website. This document is a tool to assist in pump curve and maximum flow identification. **

Hayward EcoStar and EcoStar C

Hayward	EcoStar - or - Ecostar C EcoStar + SVRS - or - Ecostar C + SVRS	

Part Number	Description	Speed Range	Voltage
HCP3400VSP	EcoStar C	600-3450 RPM	230V Single Phase
HCP3400VSPVR	EcoStar C SVRS	1000-3450 RPM	230V Single Phase



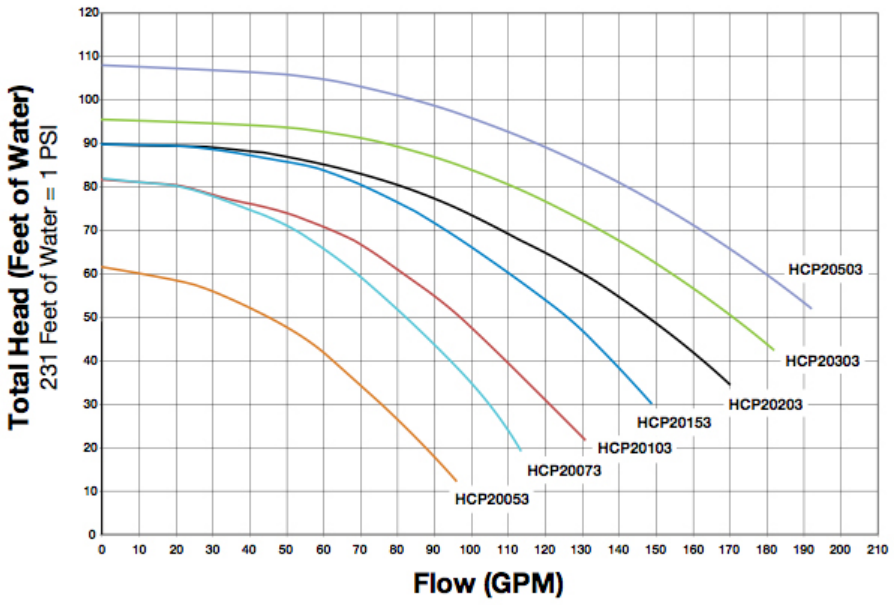
EcoStar C runs efficiently in all of these ranges.

Hayward HCP 2000 Series

Hayward	HCP Series 2000 (TriStar VSC)	

TECHNICAL SPECIFICATIONS

PART NUMBER	RATED H.P.	VOLTAGE	AMPS	HZ	UNION CONNECTIONS	CARTON WEIGHT (LBS.)	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW PER FT OF HEAD								
							20	30	40	50	60	70	80	90	100
HCP20053	0.5	208-230/460 3-Phase	3.8-3.6/1.8	50/60	2" x 2.5"	41.0	87	76	62	44	14	—	—	—	—
HCP20073	0.75	208-230/460 3-Phase	5-4.6/2.3	50/60	2" x 2.5"	49.0	104	95	85	71	53	23	—	—	—
HCP20103	1	208-230/460 3-Phase	6.4-5.8/2.9	50/60	2" x 2.5"	49.0	131	122	110	97	82	60	16	—	—
HCP20153	1.5	208-230/460 3-Phase	6.8-7/3.5	50/60	2" x 2.5"	49.0	150	148	140	126	112	94	70	—	—
HCP20203	2	208-230/460 3-Phase	8-8.4/4.2	50/60	2" x 2.5"	49.0	170	170	162	148	130	110	80	26	—
HCP20303	3	208-230/460 3-Phase	10.8-11.4/5.7	50/60	2" x 2.5"	49.0	190	190	186	174	155	138	114	72	—
HCP20503	5	208-230/460 3-Phase	13.4/6.7	60	2" x 2.5"	65.0	200	200	200	193	182	167	150	126	75



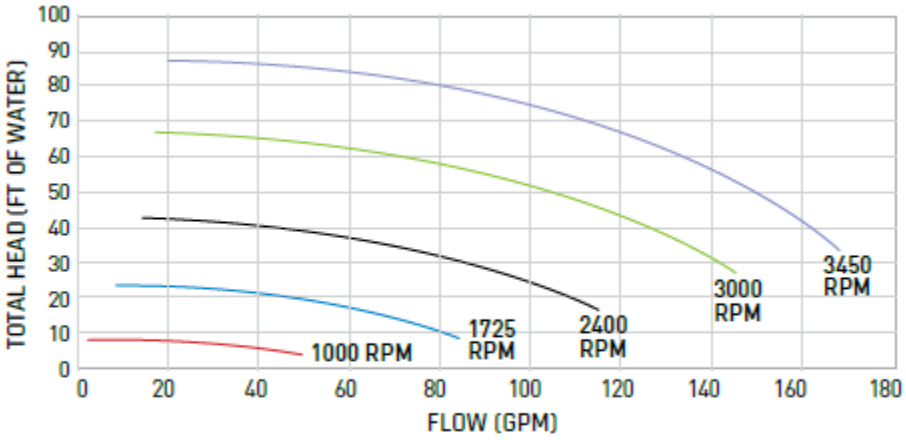
Hayward HCP 2500 Series

Hayward	HCP Series 2500 (TriStar VSC)	

TECHNICAL SPECIFICATIONS

PART NUMBER	DESCRIPTION	SPEED RANGE	VOLTAGE	CARTON QUANTITY
HCP2500VSP	TriStar® VS C	600-3450 RPM	230V Single Phase	1
HCP2500VSPVR	TriStar VS C SVRS	1000-3450 RPM	230V Single Phase	1

PERFORMANCE DATA



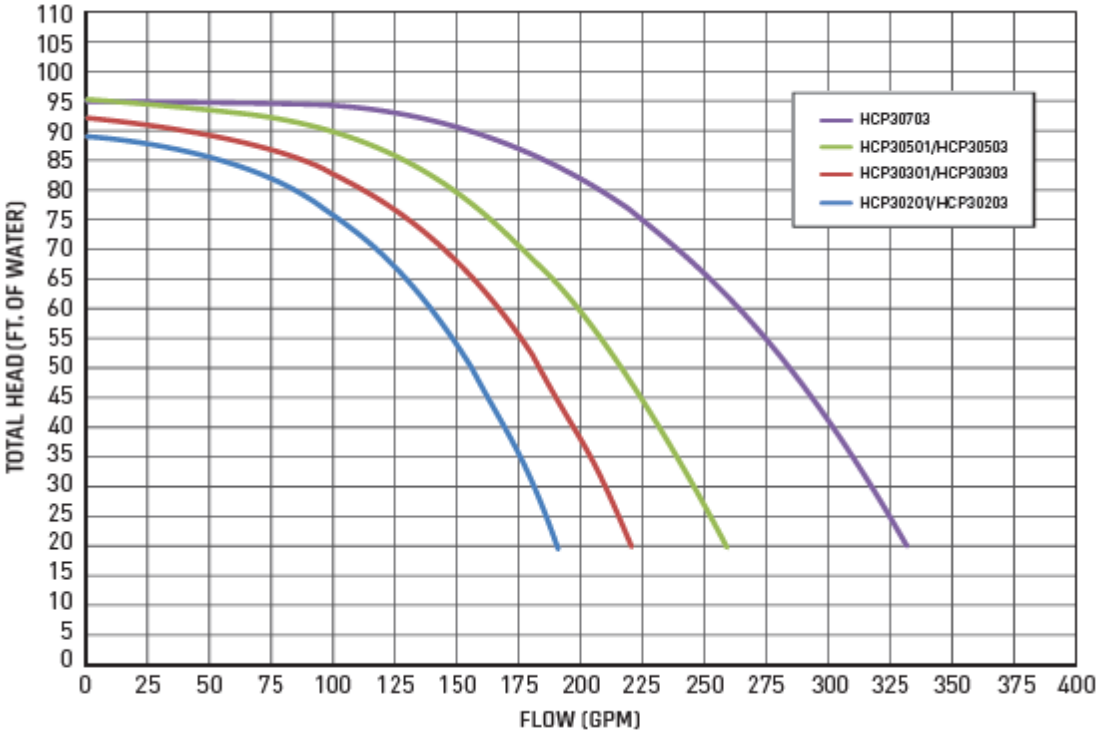
TriStar VS C runs efficiently in all of these ranges.

Hayward HCP 3000 Series

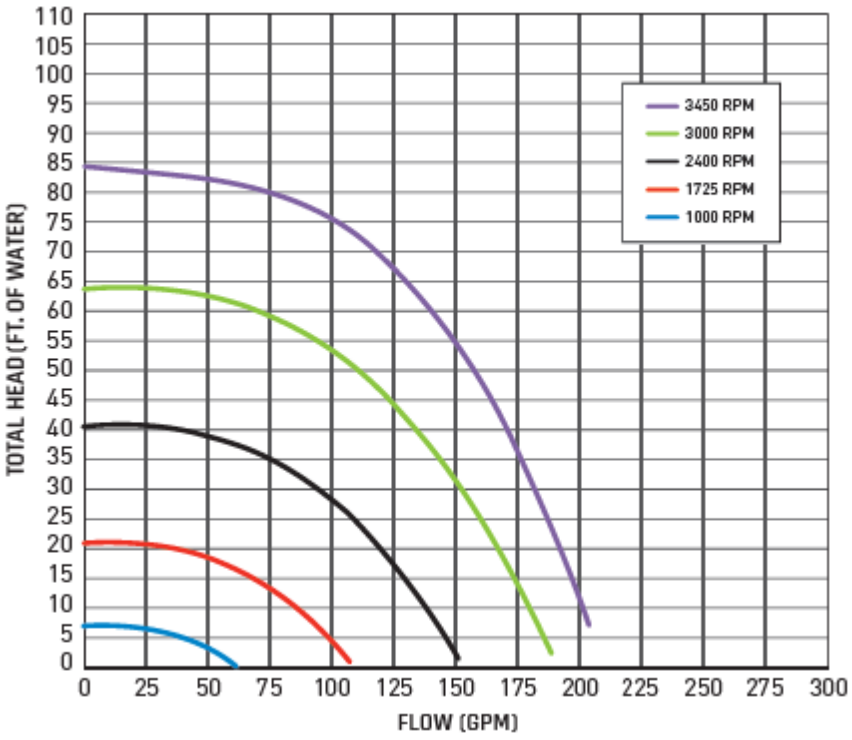
Hayward	HCP Series 3000	

Part Number	HP	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)					
		40	50	60	70	80	90
		Flow Rate (GPM)					
HCP30201 / HCP30203	2.0	165	150	135	115	80	—
HCP30301 / HCP30303	3.0	200	185	160	140	100	—
HCP30501 / HCP30503	5.0	230	215	195	165	140	11
HCP30703	7.0	335	310	280	260	225	18

HCP 3000 SERIES PERFORMANCE DATA 60HZ (SINGLE- AND 3-PHASE MODELS)



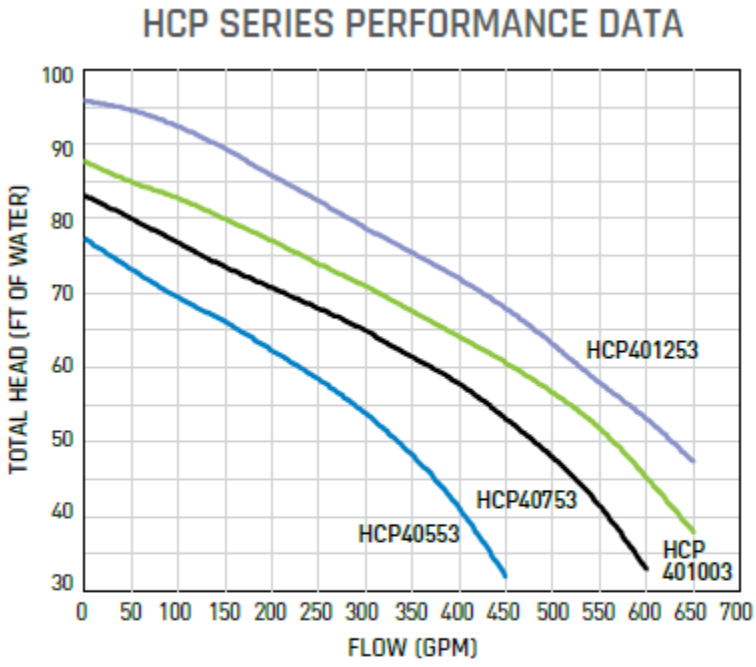
HCP3020VSP PERFORMANCE DATA



Hayward HCP 4000 Series

Hayward	HCP 4000 Series	

Pump Model	HP
HCP40553 (HCP55)	5.5
HCP40753 (HCP75)	7.5
HCP401003 (HCP100)	10
HCP401253 (HCP125)	12.5



All motors: Certified to UL 1004, IP 55 protection, insulation class F. 60 hz., 3.550 RPM

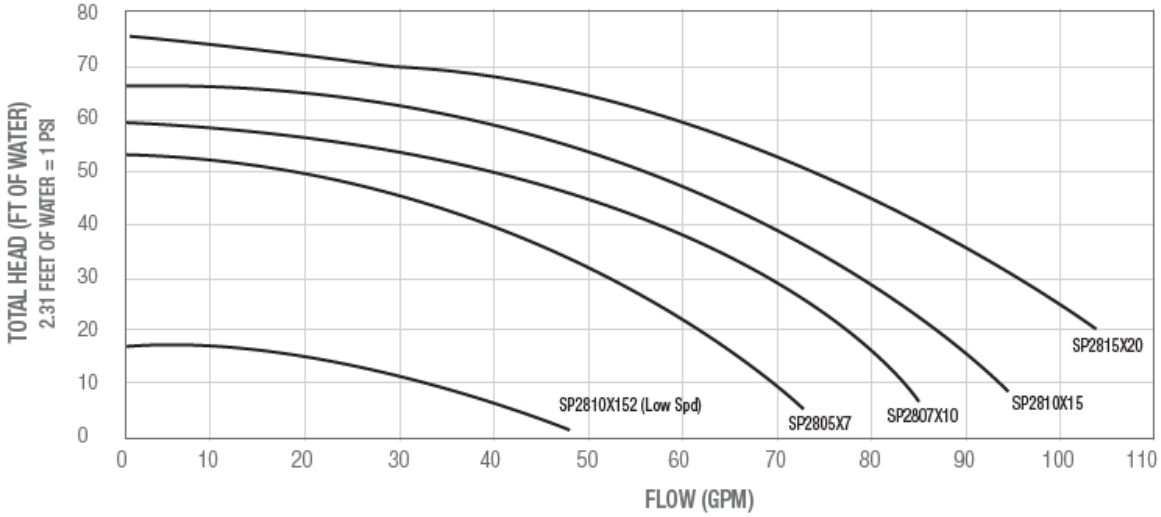
Hayward Max-Flo

Hayward	Max-Flo	

SPECIFICATIONS

MODEL NUMBER	TOTAL H.P.	RATED H.P.	SERVICE FACTOR	VOLTAGE	PIPE SIZE	DIM "A"	CTN. QTY	CTN. WEIGHT
Standard Efficiency Max Rated Single-Speed								
SP2805X7	0.75	¾	1.0	115/230	1-½"	14"	1	30 lbs.
SP2807X10	1.1	1	1.0	115/230	1-½"	14-⅜"	1	33 lbs.
SP2810X15	1.5	1-½"	1.0	115/230	1-½"	15-½"	1	38 lbs.
SP2815X20	2.0	2	1.0	115/230	1-½"	16"	1	44 lbs.
Standard Efficiency Max Rated Dual-Speed								
SP2810X152	1.5	1-½"	1.0	230	1-½"	13-⅜"	1	41 lbs.

MAXFLO PERFORMANCE DATA

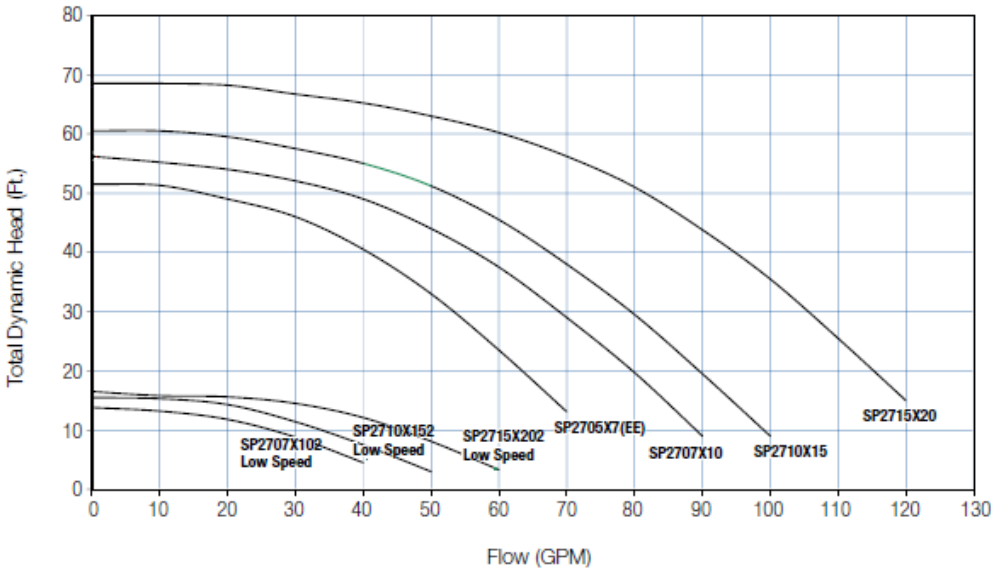


Hayward MaxFlo II

Hayward	Max-Flo II	

MODEL NUMBER	TOTAL H.P.	MAX-RATED H.P.	SERV ICE FACTOR	v OLTAGE	PIPE SIZ E	DIMENSION "A"	CTN. QTY	CTN WEIGHT
ENERGY EFFICIENCY MAX RATED SINGLE-SPEED								
SP2705X7EE	0.95	3/4	1.27	115/208-230	2 "	13-3 /4 "	1	34 lbs
STANDARD EFFICIENCY MAX RATED SINGLE-SPEED								
SP2705X7	0.95	3/4	1.27	115/208-230	2 "	13-3 /4 "	1	34 lbs
SP2707X10	1.25	1	1.25	115/208-230	2 "	14-1 /4 "	1	37 lbs
SP2710X15	1.65	1-1/2	1.1	115/208-230	2 "	15-1 /2 "	1	42 lbs
SP2715X20	2.10	2.0	1.05	115/208-230	2 "	15-1 /2 "	1	45 lbs
STANDARD EFFICIENCY MAX RATED DUAL-SPEED								
SP2707X102	1.25	1	1.25	230	2 "	15 "	1	41 lbs
SP2710X152	1.65	1-1/2	1.1	230	2 "	15-1 /2 "	1	43 lbs
SP2710X152	2.10	2.0	1.05	230	2 "	16 "	1	46 lbs

Performance Curves – Max-Flo II (Improved) Pump

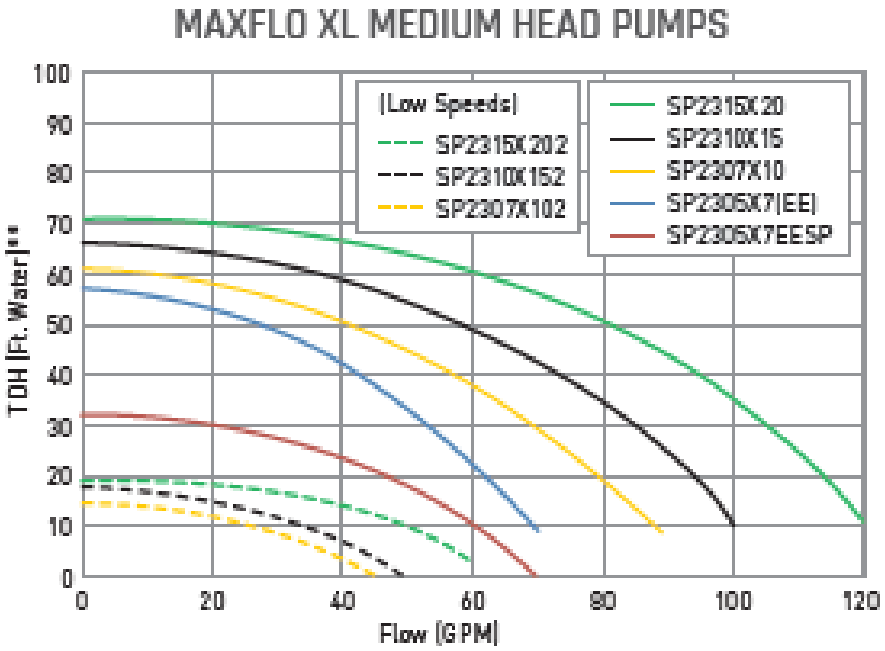


Hayward MaxFlo XL

Hayward	Max-Flo	

SPECIFICATIONS

MODEL NUMBER	TOTAL H.P.	RATED H.P.	SERVICE FACTOR	VOLTAGE	UNION CONNECTIONS	DIM. "A"	CTN. QTY.	CTN. WEIGHT
Energy Efficient Max Rated Single-Speed								
SP2305X7EESP*	0.95	¾	1.27	115/208-230	1½" x 2"	13⅜"	1	34 lbs.
SP2305X7EE	0.95	¾	1.27	115/208-230	1½" x 2"	13⅜"	1	34 lbs.
Standard Efficient Max Rated Single-Speed								
SP2305X7	0.95	¾	1.27	115/208-230	1½" x 2"	13⅜"	1	34 lbs.
SP2307X10	1.25	1	1.25	115/208-230	1½" x 2"	14¼"	1	37 lbs.
SP2310X15	1.65	1½	1.1	115/208-230	1½" x 2"	15½"	1	42 lbs.
SP2315X20	2.10	2	1.05	115/208-230	1½" x 2"	15½"	1	45 lbs.
Energy Efficient Max Rated Dual-Speed								
SP2307X102*	1.25	1	1.25	230	1½" x 2"	15"	1	41 lbs.
SP2310X152*	1.65	1½	1.1	230	1½" x 2"	15½"	1	43 lbs.
SP2315X202*	2.10	2	1.05	230	1½" x 2"	16"	1	46 lbs.

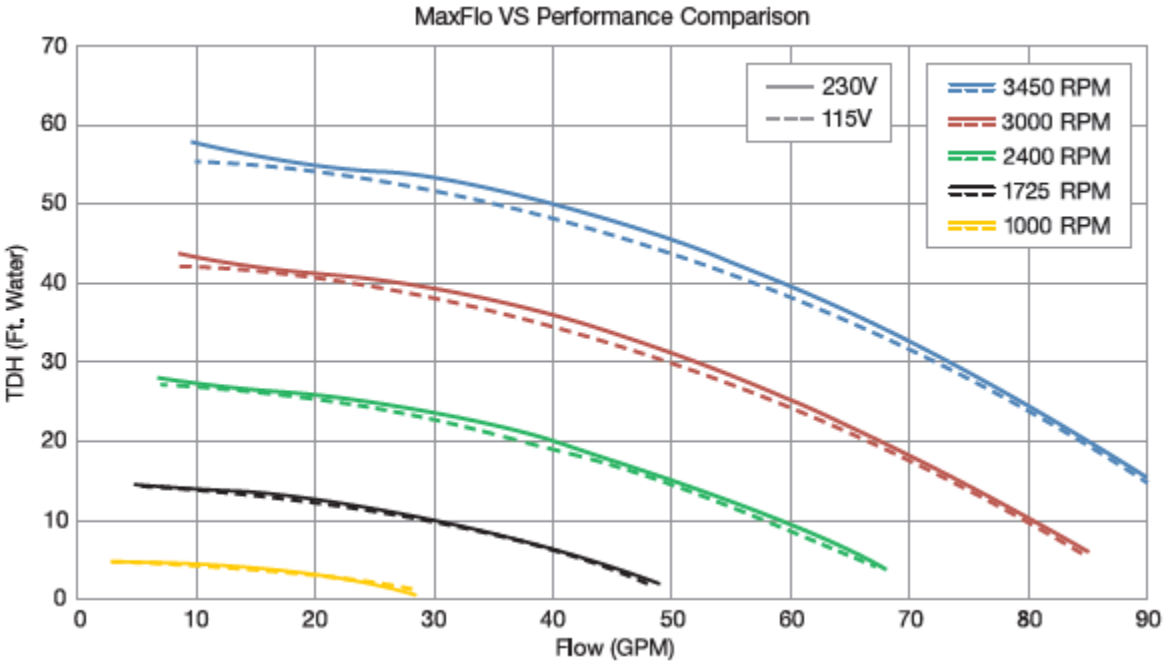


Hayward MaxFlo VS

Hayward	Max-Flo VS	

SPECIFICATIONS

MODEL NUMBER	STAND ALONE	RELAY CONTROL	HAYWARD® AUTOMATION	TOTAL HP	VOLTAGE
SP2303VSP	•	•	•	1.65	230V Single Phase
SP23115VSP*	•	•	•	0.85	115V Single Phase

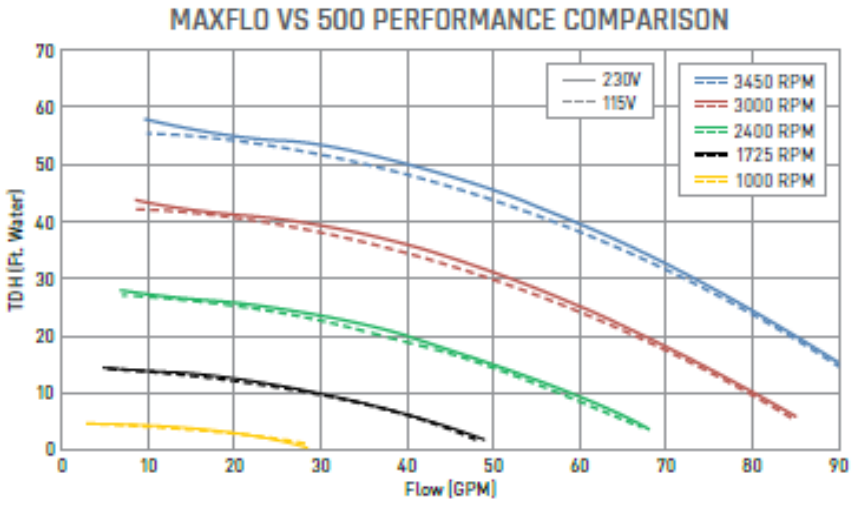


Hayward MaxFlo VS 500

Hayward	Max-Flo VS 500	

SPECIFICATIONS

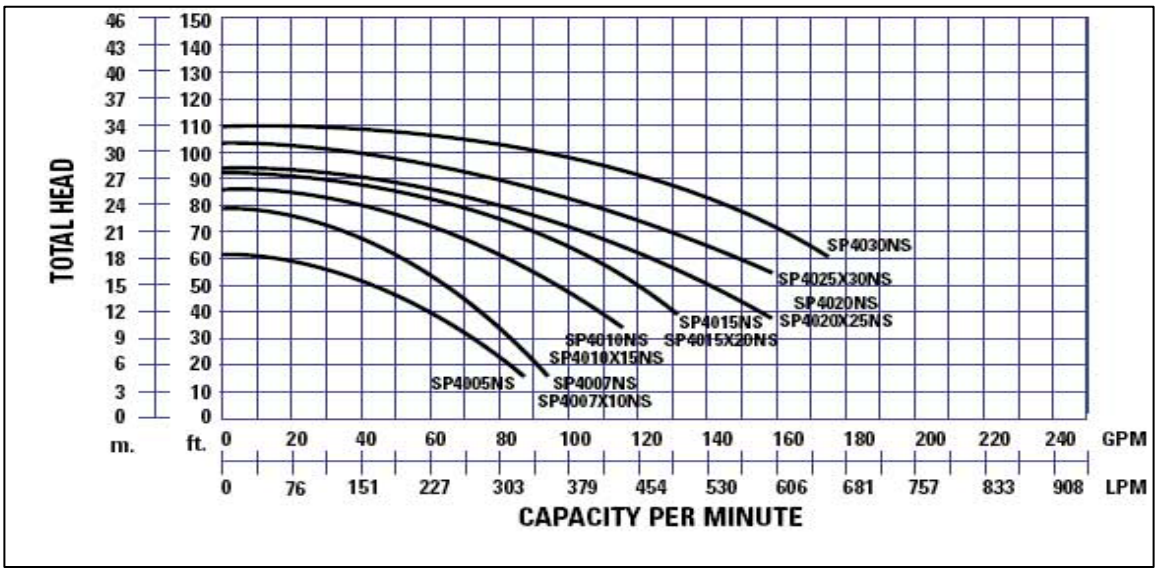
MODEL NUMBER	STAND ALONE	RELAY CONTROL	HAYWARD® AUTOMATION	TOTAL HP	VOLTAGE
SP23520VSP	•	•	•	1.65	230V Single Phase
SP23510VSP*	•	•		0.85	115V Single Phase



Hayward Northstar

Hayward	Northstar SP4025X30NS – 3 hp SP4030NS – 3 hp	

Pump Model	HP
SP4005NS	½
SP4007NS	¾
SP4007x10NS	1
SP4010NS	1
SP4010x15NS	1 ½
SP4015NS	1 ½
SP4015x20NS	2
SP4020NS	2
SP4020x25NS	2 ½
SP4025x30NS	3
SP4030NS	3



Hayward RS Series

Hayward	RS Series	

Pump Model	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)								
	5 ft (low sp)	10 ft (low sp)	15 ft (low sp)	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft
RS750	-	-	-	78	67	56	38	-	-
RS1000 / RS1502	47	45	32	96	87	73	60	36	-
RS1500 / RS2002	65	57	42	118	107	94	79	60	18
RS2000 / RS2502	71	61	48	138	125	112	96	75	43
RS2500	-	-	-	161	150	137	123	106	84
RS3000	-	-	-	161	150	137	123	106	84

Hayward Super Pump

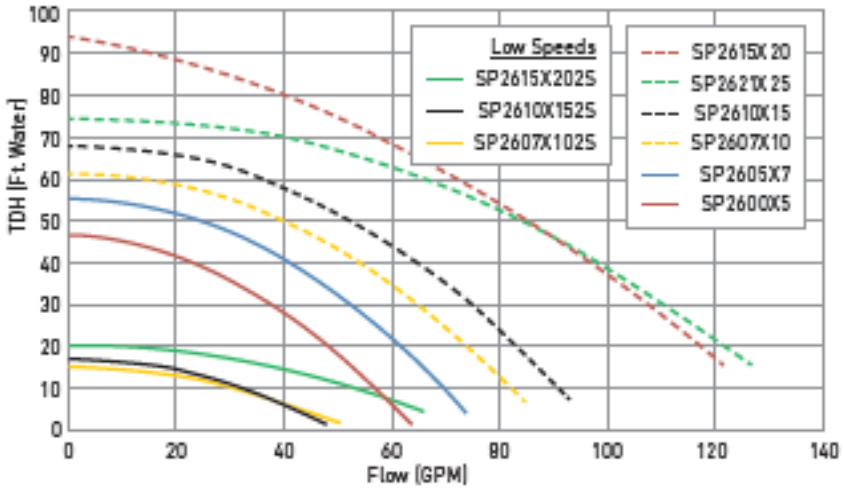
Hayward	Super Pump	

SPECIFICATIONS

MODEL NUMBER	HORSEPOWER TOTAL HP	HP	SERVICE FACTOR	PIPE SIZE	DIMENSION "A"
Standard Efficient Max-Rated Single Speed					
SP2600X5	0.60	½	1.20	1½ in	13¼ in / 337 mm
SP2605X7	0.75	¾	1.00	1½ in	13⅞ in / 352 mm
SP2607X10	1.10	1	1.10	1½ in	14¼ in / 362 mm
SP2610X15	1.50	1½	1.00	1½ in	15⅜ in / 391 mm
SP2615X20	2.00	2	1.00	2 in	15⅞ in / 403 mm
SP2621X25	2.50	2½	1.00	2 in	16⅜ in / 416 mm

Standard Efficient Max-Rated Dual Speed					
SP2607X102S	1.00	1	1.00	2 in	13 in / 330 mm
SP2610X152S	1.50	1½	1.00	2 in	13¾ in / 349 mm
SP2615X202S	2.00	2	1.00	2 in	14¼ in / 362 mm

SUPER PUMP FLOW VS. TOTAL HEAD

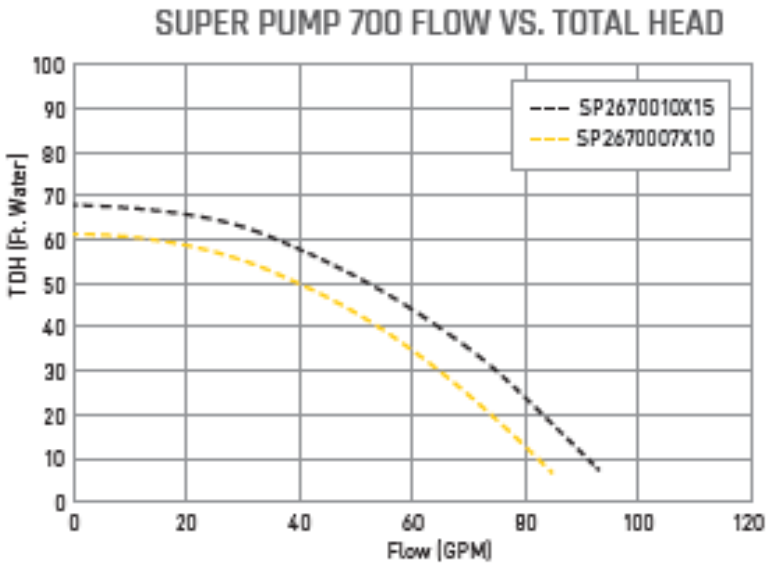


Hayward Super Pump 700

Hayward	Super Pump 700	

SPECIFICATIONS

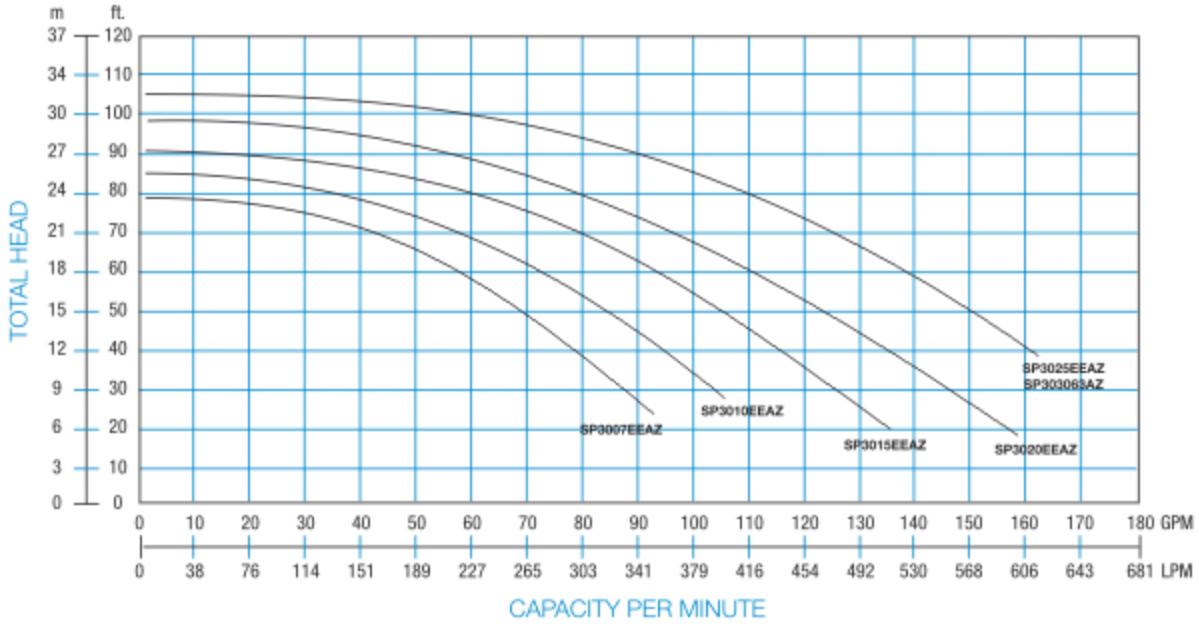
MODEL NUMBER	HORSEPOWER			PORT SIZE	DIMENSION "A"	WARRANTY
	TOTAL HP	RATED HP	SERVICE FACTOR			
Standard Efficient Max-Rated Single Speed						
SP2670007X10	1.10	1	1.10	1½ In	14¼ In	2 years
SP2670010X15	1.50	1½	1.00	1½ In	15⅜ In	2 years



Hayward Super Pump II – Full Rated

Hayward	Super Pump II – Full Rated	

MODEL	Total HP	Full Rate HP	Service Factor	Voltage	Pipe Size	DIM "A"
SP3007EECA	1.13	¾	1.50	115/230	2"	15¼"
SP3010EEAZ	1.50	1	1.50	115/230	2"	15¼"
SP3015EEAZ	2.00	1½	1.33	115/230	2"	16⅛"
SP3020EEAZ	2.50	2	1.25	230	2"	16⅜"
SP3025EEAZ	3.45	3	1.15	230	2"	17¾"
SP303063AZ*	3.45	3	1.15	230/460	2"	14½"

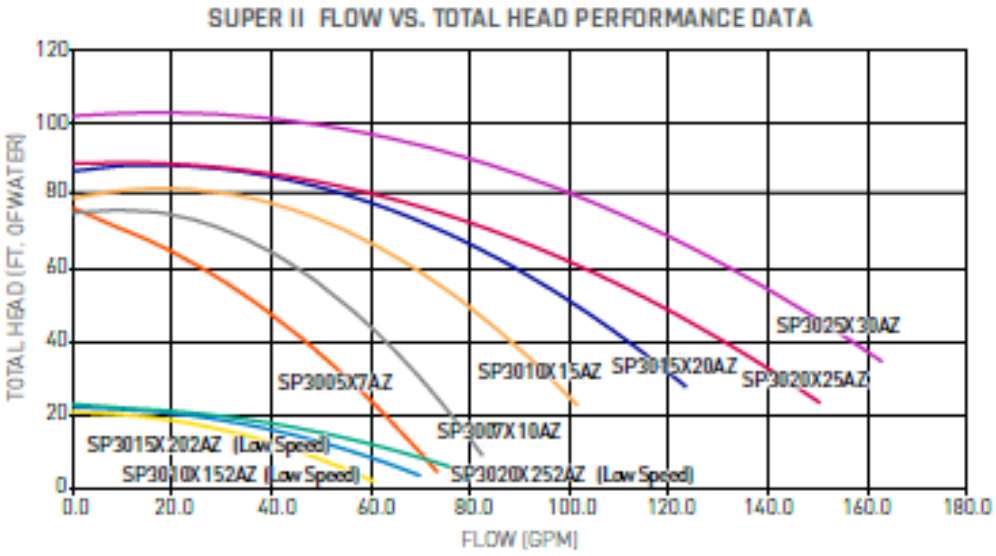


Hayward Super Pump II – Max Rated

Hayward	Super Pump II – Max Rated	

SPECIFICATIONS

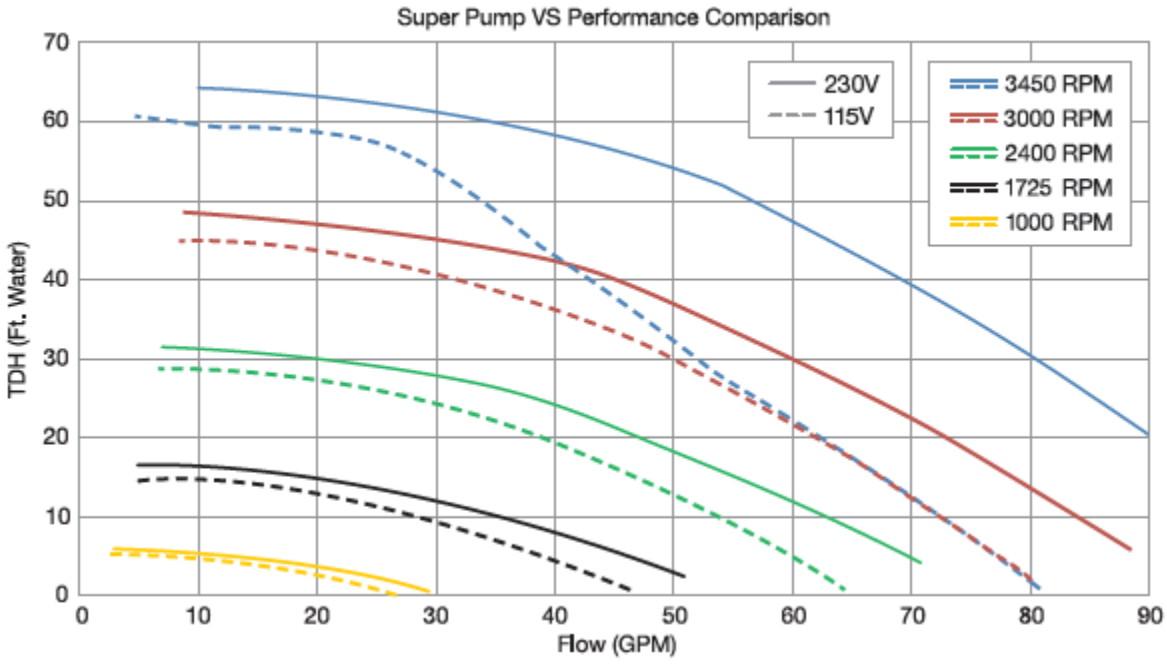
MODEL	MOTOR POWER					PORT SIZE	DIMENSION "A"	
	Total HP	Rated HP	Service Factor	KW	Voltage	Inches	Inches	mm
MAX RATED SINGLE-SPEED								
SP3005X7AZ	0.75	¾	1.00	0.56	115/230	1 ½	14 ½	359
SP3007X10AZ	1.10	1	1.10	0.82	115/230	1 ½	14 ½	368
SP3007X10AZ2	1.10	1	1.10	0.82	115/230	2	14 ½	368
SP3010X15AZ	1.50	1 ½	1.00	1.12	115/230	2	15 ⅜	397
SP3015X20AZ	2.00	2	1.00	1.49	115/230	2	16 ⅜	422
SP3020X25AZ	2.50	2 ½	1.00	1.87	230	2	16 ⅜	422
SP3025X30AZ	3.45	3	1.15	2.57	230	2	17 ¾	451
MAX RATED DUAL-SPEED								
SP3010X152AZ	1.50	1 ½	1.00	1.12	230	2	14	356
SP3015X202AZ	2.00	2	1.00	1.49	230	2	14 ½	368
SP3020X252AZ	2.50	2 ½	1.00	1.87	230	2	17 ½	445



Hayward Super Pump VS

Hayward	Super Pump VS	

Pump Model	HP
SP2603VSP	1.65 (230V Single Phase)
SP26115VSP	0.85 (115V Single Phase)

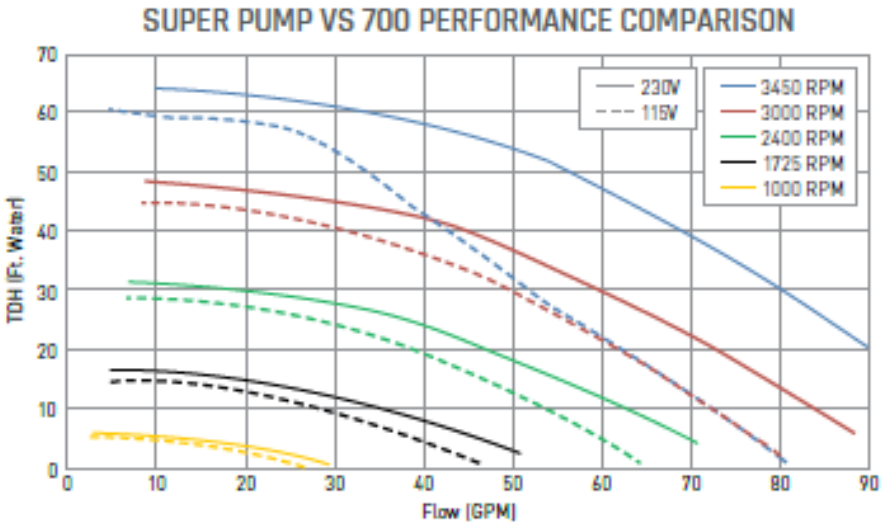


Hayward Super Pump VS 700

Hayward	Super Pump VS 700	

SPECIFICATIONS

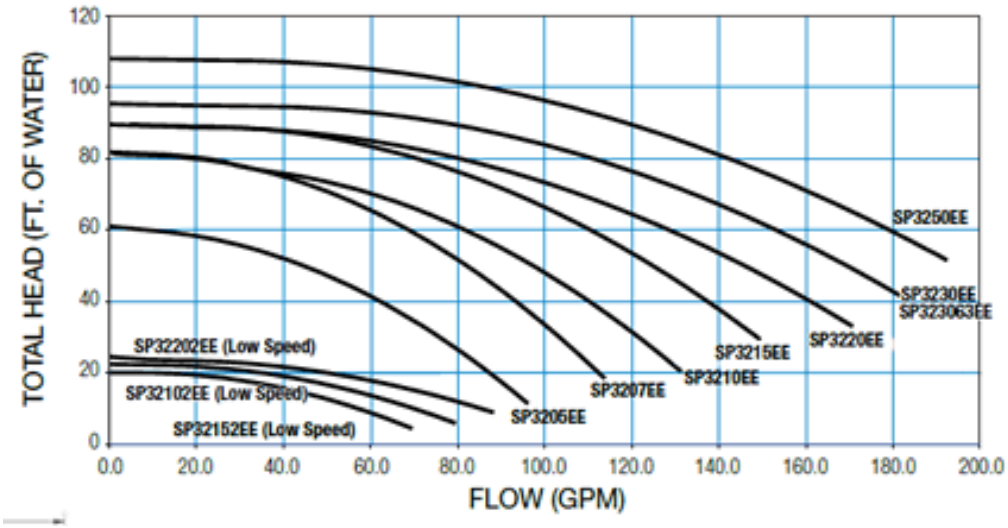
MODEL NUMBER	STAND ALONE	RELAY CONTROL	HAYWARD® AUTOMATION	TOTAL HP	VOLTAGE	WARRANTY
SP2670020VSP	•	•	•	1.65	230V Single Phase	3 years
SP2670010VSP	•	•		0.85	115V Single Phase	3 years



Hayward Tristar Full Rate

Hayward	Tristar Full Rate	

SINGLE SPEED MODELS	TOTAL HP	FULL RATE HP	SERVICE FACTOR	VOLTS	PORT SIZE	DIMENSION "A"
SP3205EE	0.99	½	1.98	115/208-230	2" / 2½"	13 9/16"
SP3207EE	1.39	¾	1.85	115/208-230	2" / 2½"	13 9/16"
SP3210EE	1.85	1	1.85	115/208-230	2" / 2½"	14 3/16"
SP3215EE	2.40	1½	1.60	115/208-230	2" / 2½"	14 9/16"
SP3220EE	2.70	2	1.35	208-230	2" / 2½"	14 9/16"
SP3230EE	3.60	3	1.20	208-230	2" / 2½"	17 1/16"
SP3250EE	5.0	5	1.00	208-230	2" / 2½"	17 1/16"
2 – SPEED MODELS	**TOTAL HP**	**FULL RATE HP**	**SERVICE FACTOR**	**VOLTS**	**PORT SIZE**	**DIMENSION "A"**
SP32102EE	1.85	1	1.85	208-230	2" / 2½"	14 3/16"
SP32152EE	2.40	1½	1.60	208-230	2" / 2½"	14 9/16"
SP32202EE	2.70	2	1.35	208-230	2" / 2½"	14 1/16"

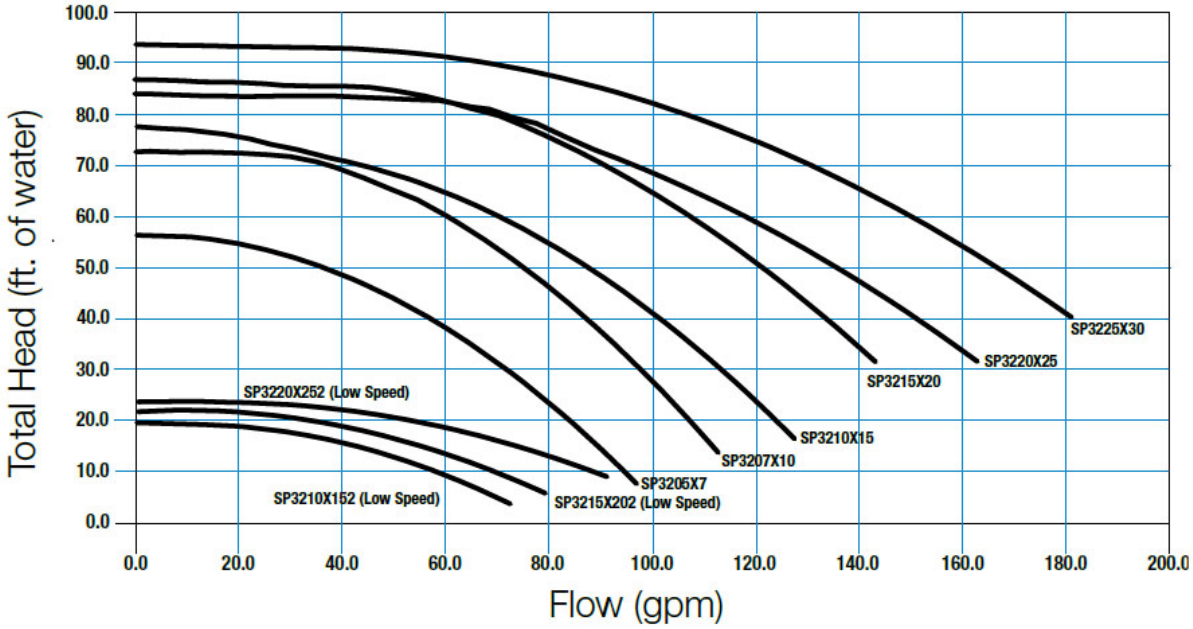


Hayward Tristar Max Rate

Hayward	Tristar Max Rate	

MAX RATE MODELS	TOTAL HP	MAX RATE HP	SERVICE FACTOR	VOLTAGE	PIPE SIZE	DIMENSION "A"
SP3205X7	0.94	0.75	1.25	115/230	2 x 2½"	13" ⅜"
SP3207X10	1.25	1	1.25	115/230	2 x 2½"	13 ⅞"
SP3210X15	1.65	1.5	1.10	115/230	2 x 2½"	13 ⅞"
SP3215X20	2.20	2	1.10	115/230	2 x 2½"	15 ⅛"
SP3220X25	2.60	2.5	1.04	230	2 x 2½"	14 ⅞"
SP3225X30	3.45	3	1.15	230	2 x 2½"	15 ⅝"
DUAL-SPEED MAX RATE MODELS	**TOTAL HP**	**MAX RATE HP**	**SERVICE FACTOR**	**VOLTAGE**	**PIPE SIZE**	**DIMENSION "A"**
SP3210X152	1.85	1.5	1.73	230	2 x 2½"	14 ⅜"
SP3215X202	2.40	2	1.20	230	2 x 2½"	14 ⅞"
SP3220X252	2.70	2.5	1.08	230	2 x 2½"	14 ⅞"

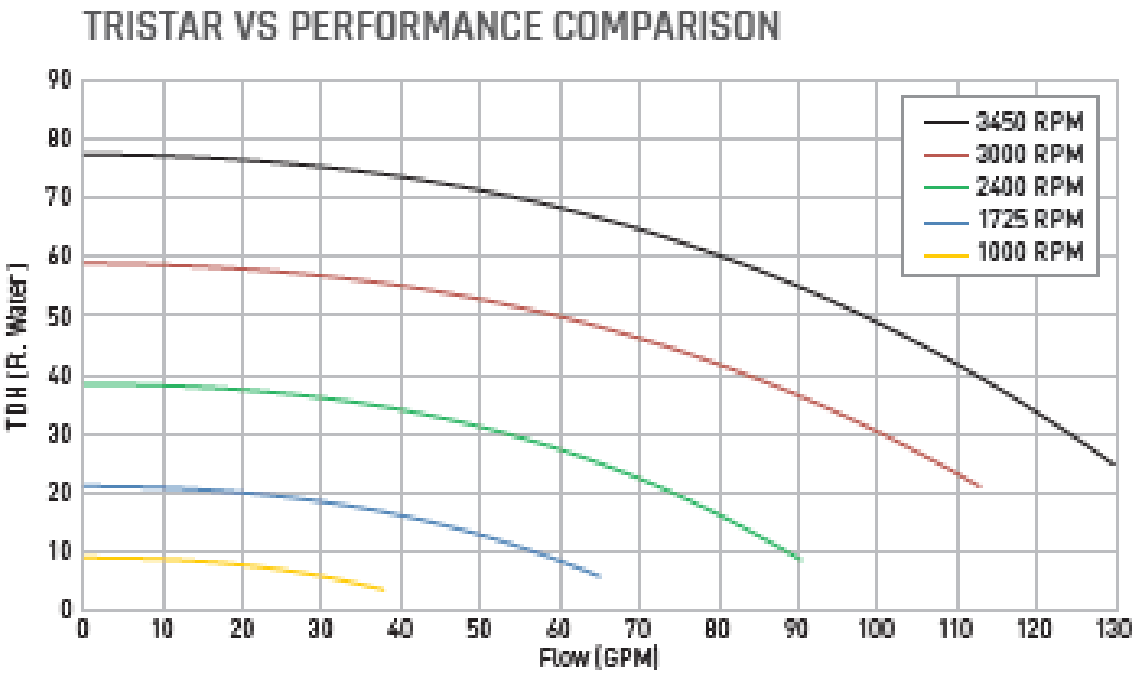
TriStar Standard Efficient Flow vs. Total Head



Hayward TriStar VS 900

Hayward	Tristar VS 900	

Pump Model	HP
SP3202VSP	1.85
SP3202VSPND	1.85

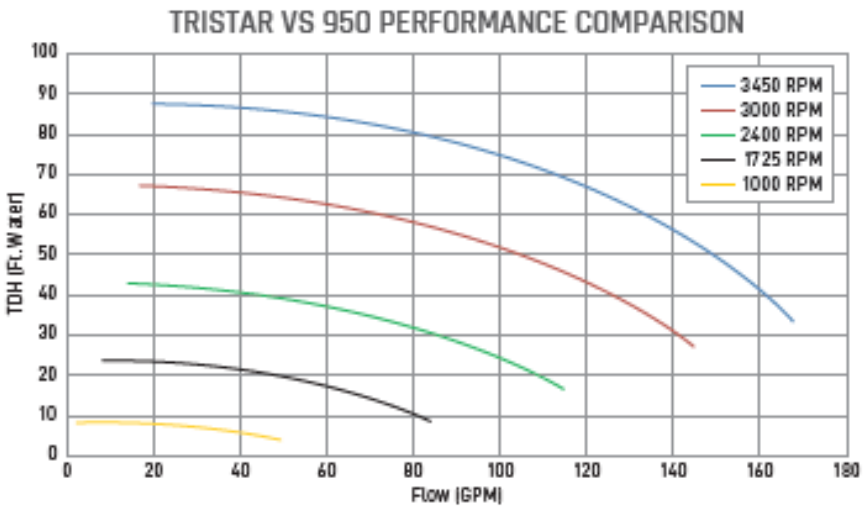


Hayward TriStar VS 950

Hayward	Tristar VS 950	

SPECIFICATIONS

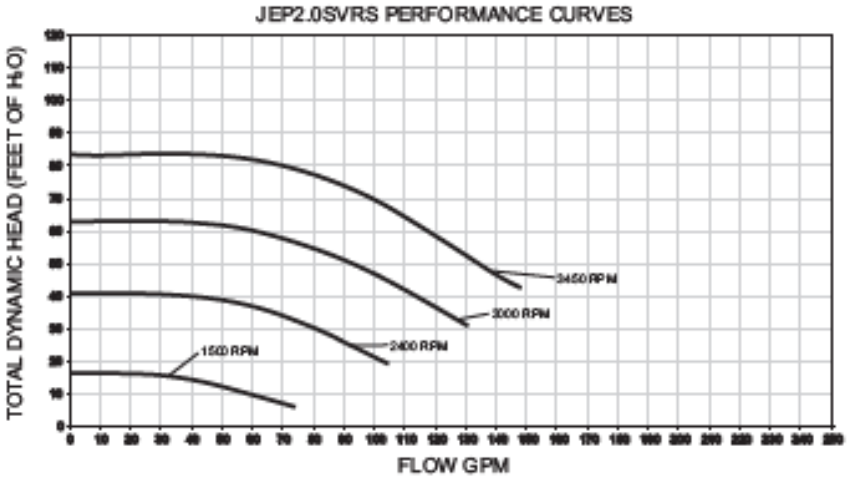
MODEL NUMBER	STAND ALONE	RELAY CONTROL	HAYWARD® AUTOMATION	TOTAL HP	VOLTS	SPEED RANGE	UNION CONNECTIONS	WARRANTY
SP32950VSP	•	•	•	2.70	230V	600-3450 RPM	2" x 2.5"	4 years



Jandy ePump + SVRS

Jandy	ePump +SVRS	

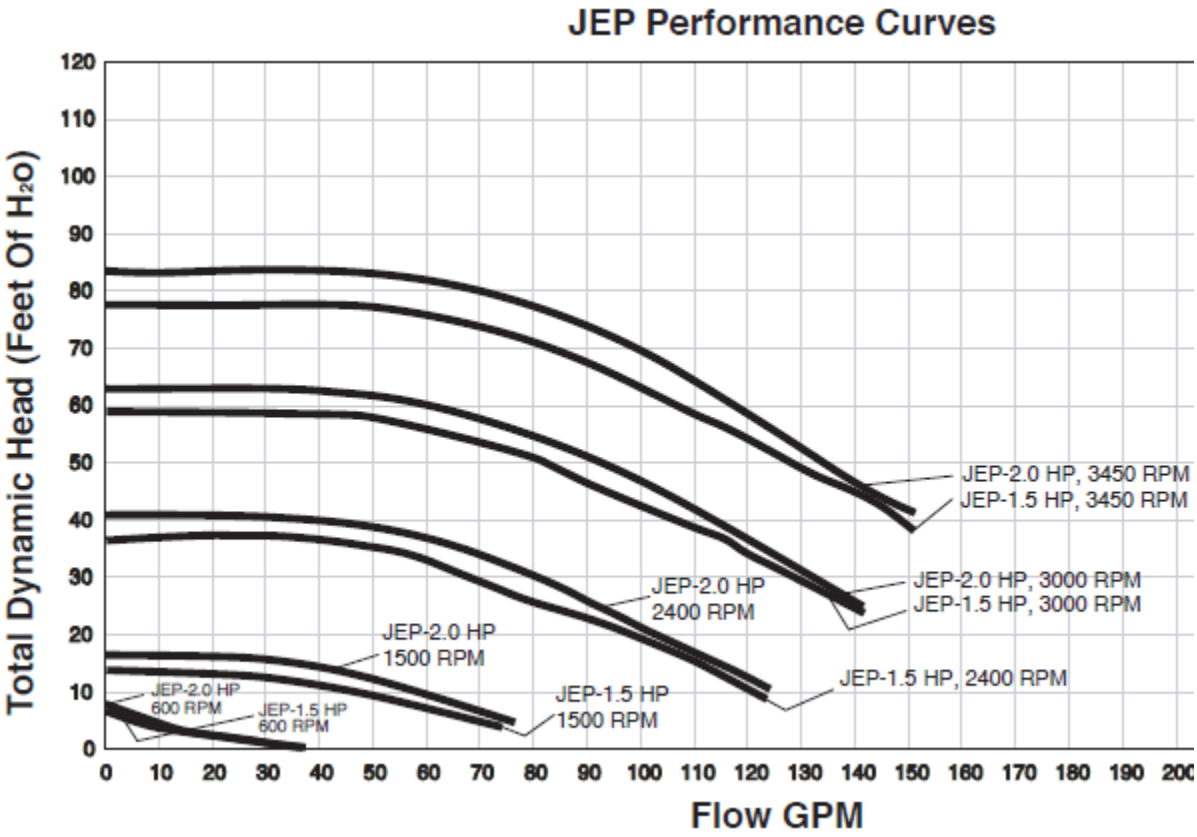
Model No.	Horse Power	Voltage	Watts	Recommended Pipe Size	Carton weight	Overall Length 'A'
JEP2.0SVRS	0.25-2.7	208-230VAC	2,300W	2½–3"	71.5 lbs	33½"



Jandy E Pump Variable-Speed

Jandy	E Pump VS	

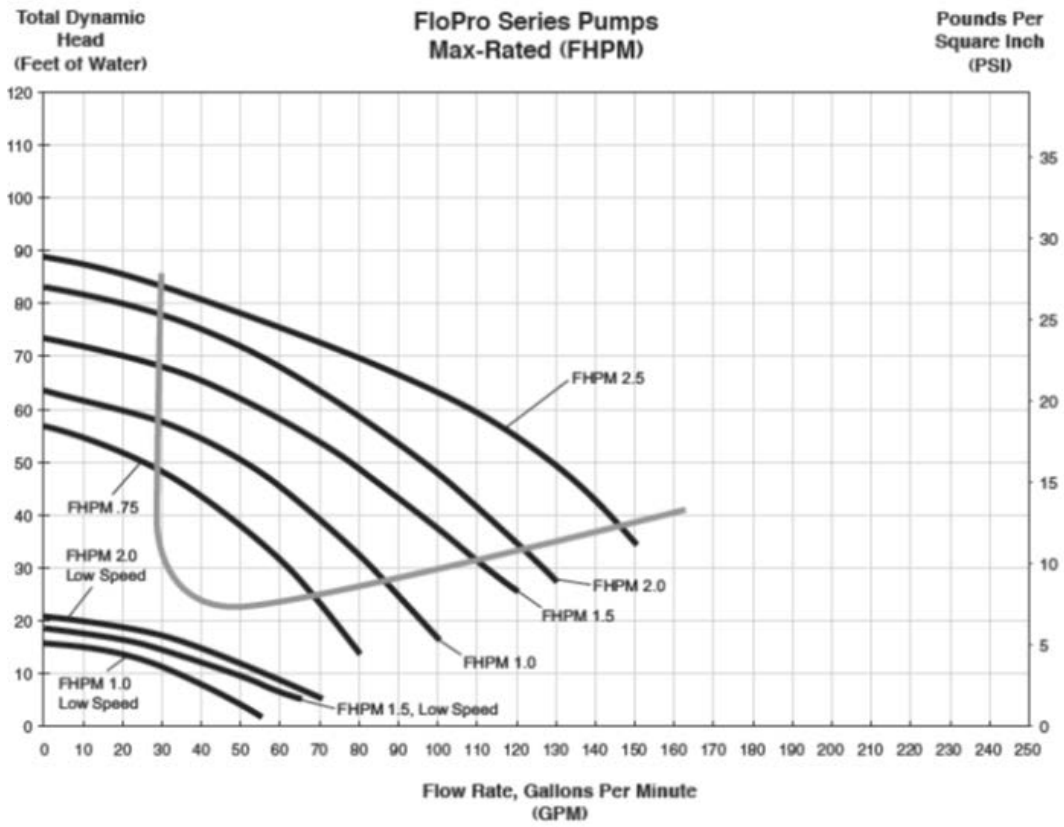
Model No.	Horse-power	Voltage	Watts	Recommended Pipe Size	Carton Weight	Overall Length 'A'
VSSHP220AUT	0.25-2.2	208-230VAC	2,100W	2½–3"	71.5 lbs	33½"
VSSHP270AUT	0.25-2.7	208-230VAC	2,300W	2½–3"	71.5 lbs	33½"
JEP2.0SVRS	0.25-2.7	208-230VAC	2,300W	2½–3"	71.5 lbs	33½"



Jandy FloPro

Jandy	FloPro	

Pump Model	HP
FHPM .75	¾
FHPM 1.0	1
FHPM 1.5	1 ½
FHPM 2.0	2
FHPM 2.5	2 ½

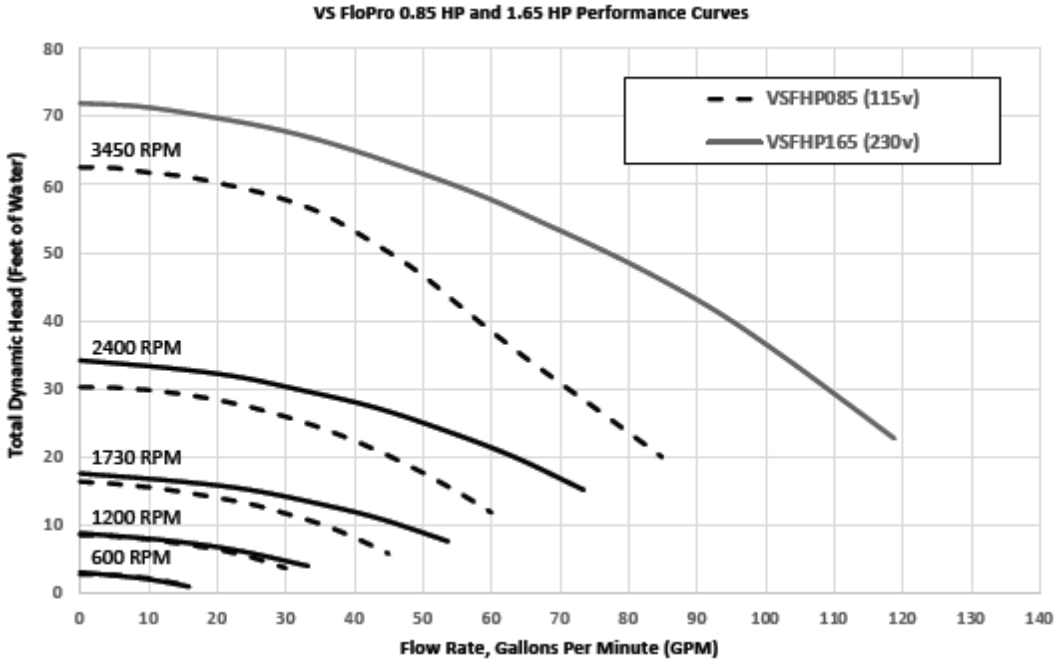


Jandy FloPro VS 1.65 HP

Jandy	FloPro VS	

Model No.	Total Horse-power	Voltage	Max Watts	Recommended Pipe Size""	Carton Weight	Overall Length
VSFHP165JEP	1.65	230VAC	1,600 W	1½–2½"	46 lbs.	25¼"
VSFHP165AUT[1]	1.65	230VAC	1,600 W	1½–2½"	46 lbs.	25¼"

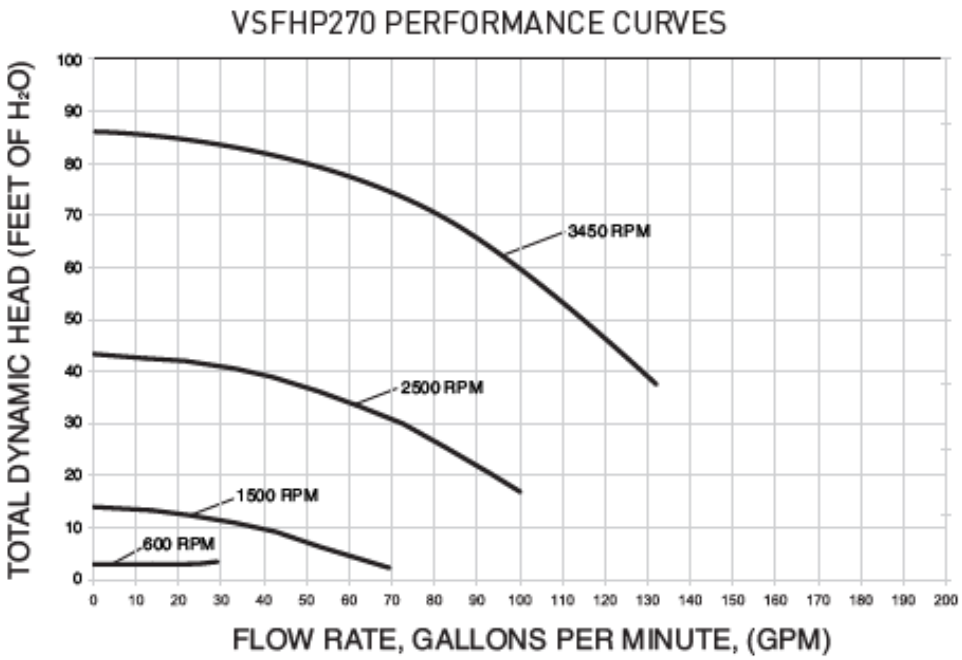
VSFHP165AUT



Jandy FloPro VS 2.7 HP

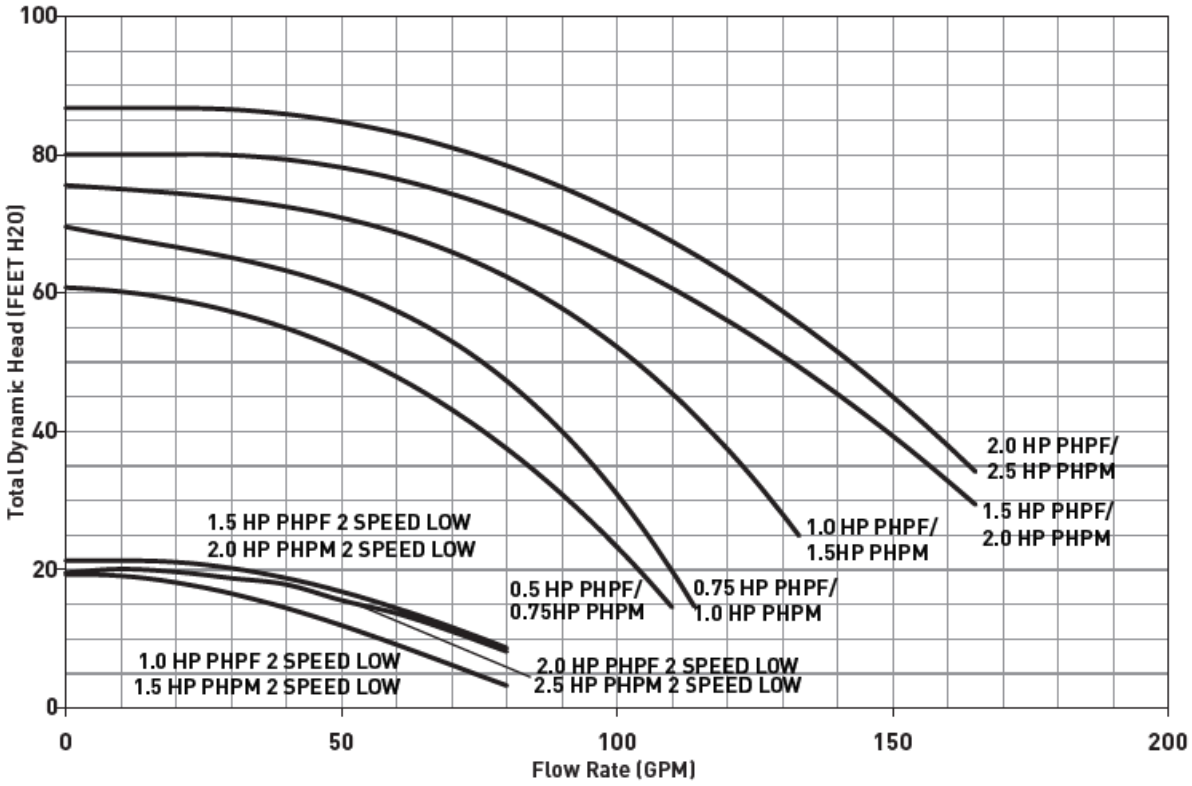
Jandy	FloPro VS 2.7	

Model No.	Total Horse-power	Voltage	Max Watts	Recommended Pipe Size†	Carton Weight	Overall Length
VSFHP270JEP	2.7	208-230 VAC	2,400 W	2½–3"	56.0 lbs	27¾"
VSFHP270AUT*	2.70	208-230 VAC	2,400 W	2½–3"	56.0 lbs	27¾"



Jandy Plus HP

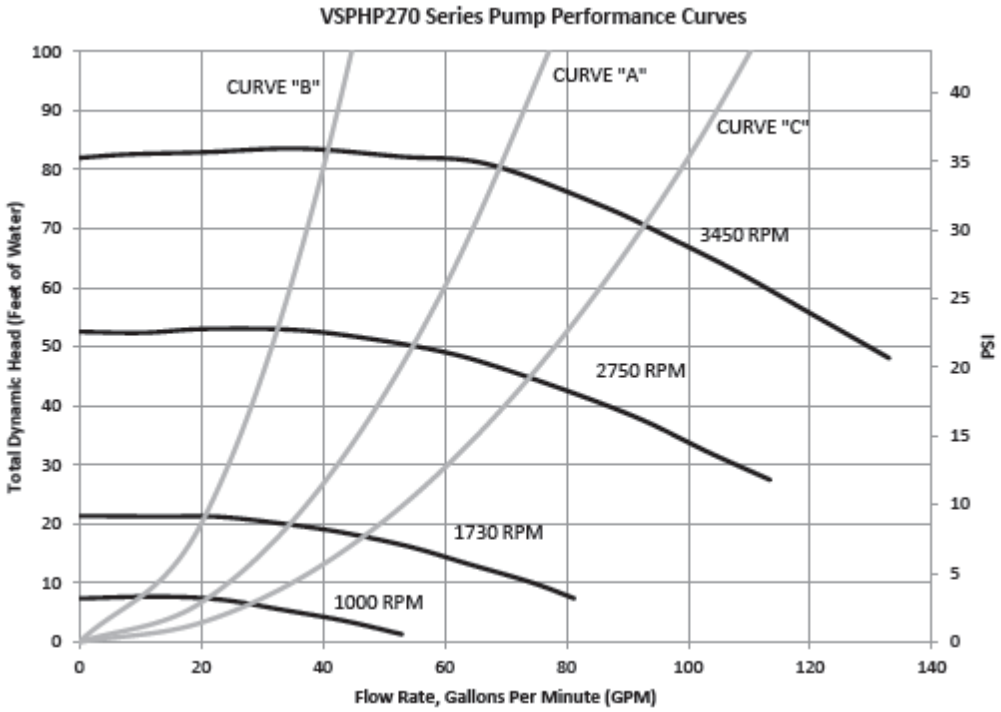
Jandy	Plus HP PHPF or PHPM – hp varies	



Jandy Pro Series VS Plus HP

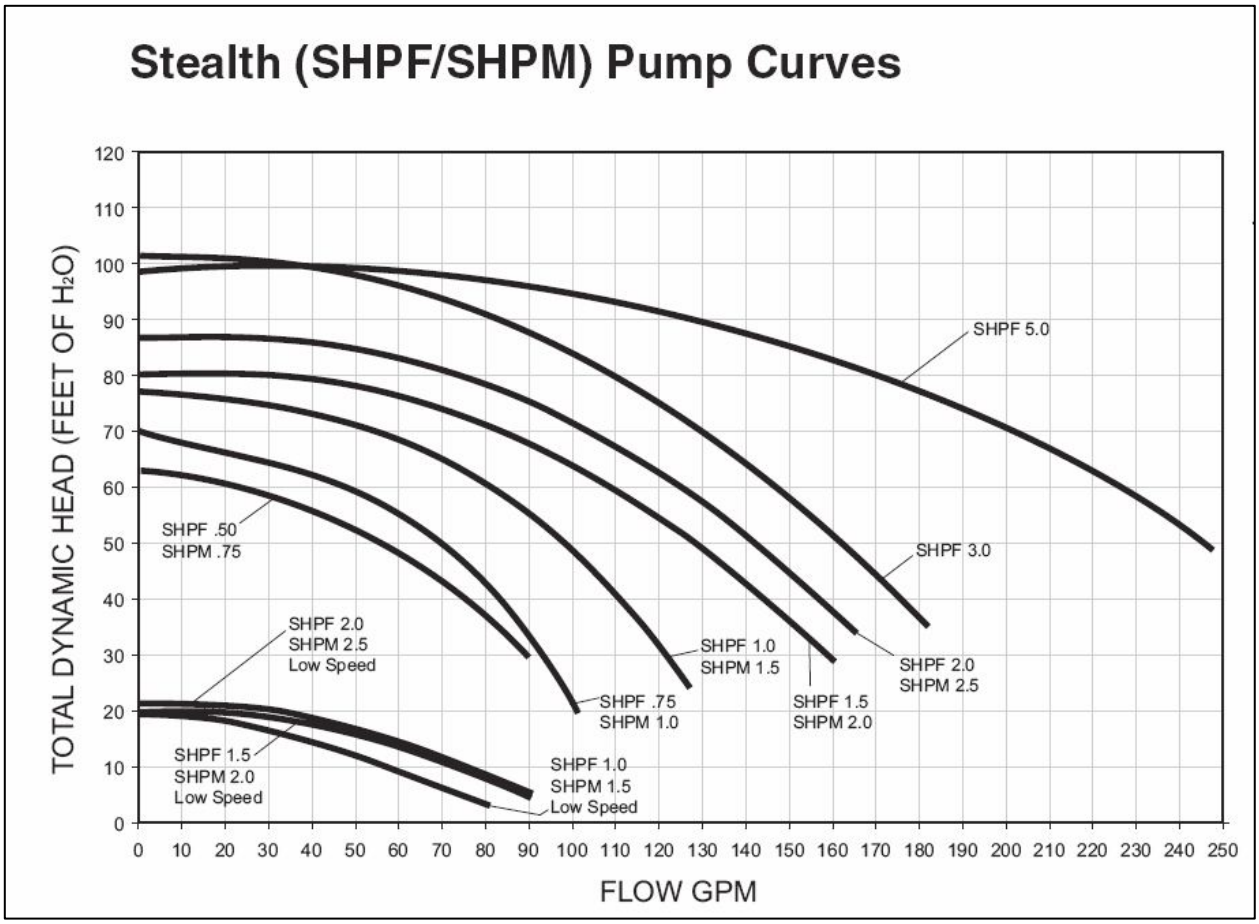
Jandy	Pro Series VS Plus HP	

Model No.	HP	Voltage	Max Watts	Pipe Size	Carton Weight	Overall Length 'A'
VSPHP270	0.25 - 2.7	230 VAC	2,250W	2½ - 3"	50 lbs.	30 3/8"



Jandy Stealth

Jandy	Stealth SHPF or SHPM – hp varies	



Pentair Aurora

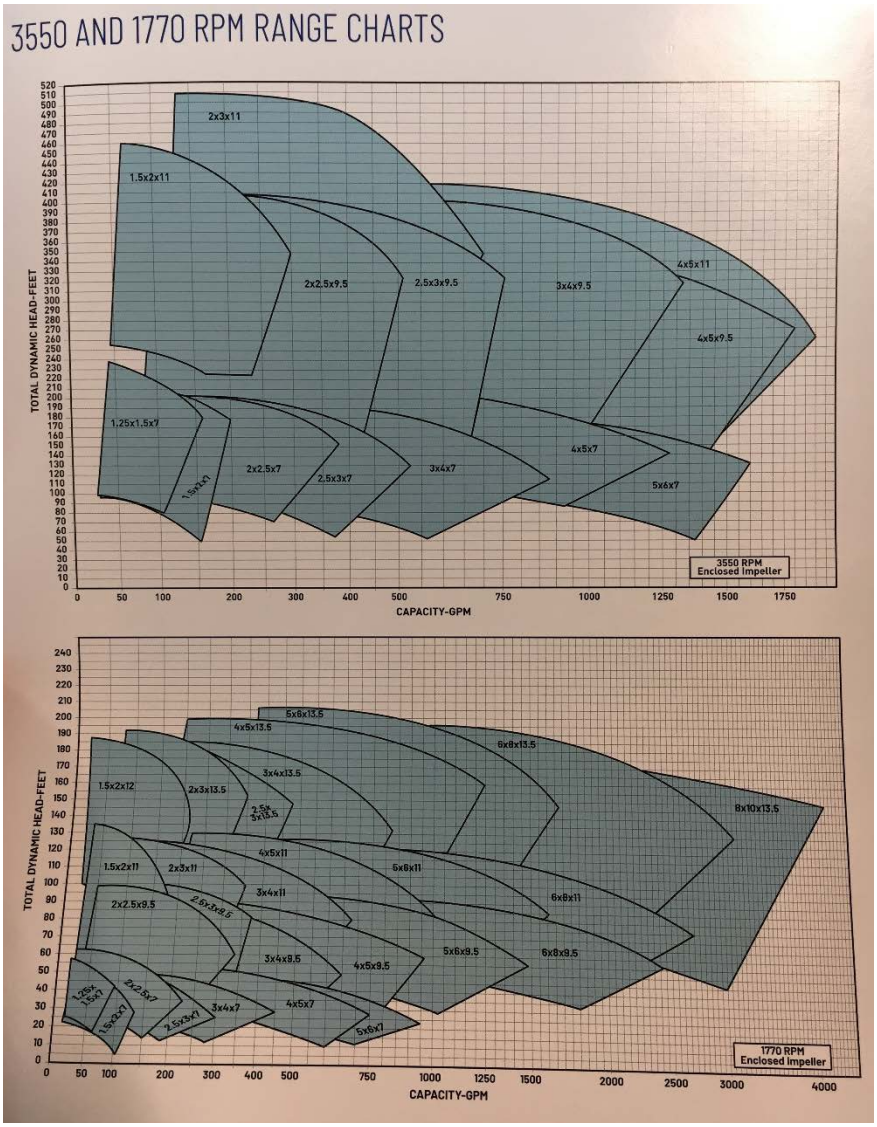
Flow varies with impeller size

Pentair	Aurora 340 Series and 410 Series 341A, 342A, 344A	

Pentair Aurora 3800 Series

Flow varies with impeller size

Pentair	Aurora 3800 *Single Stage End Suction Centrifugal Pump*	



Pentair Berkeley B-Series

Flow varies with impeller size

Pentair	Berkeley B-Series *Centrifugal Commercial Pump*	

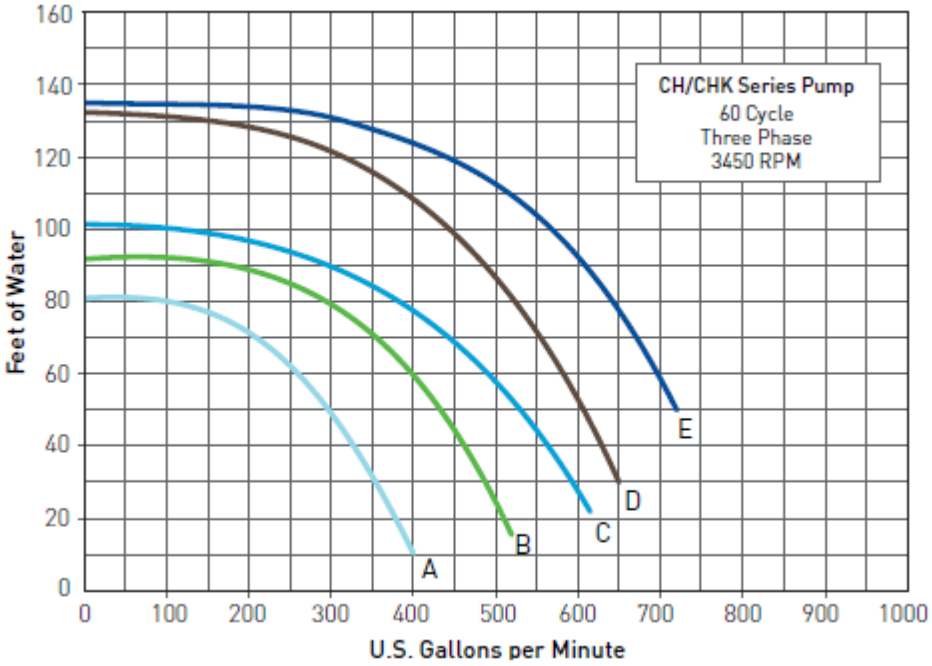
Pump Model	HP	Best Operating Flow GPM
B3ZPMS	5	350
B3ZPMS	7 ½	400
B3ZPMS	10	500
B3ZPMS	15	600
B5EPHS	20	950
B5EPHS	25	1050
B4GPBHS	30	1100
B6JPBMS	40	1500
B8GPBMS	50	2700

Pentair C Series Commercial Bronze

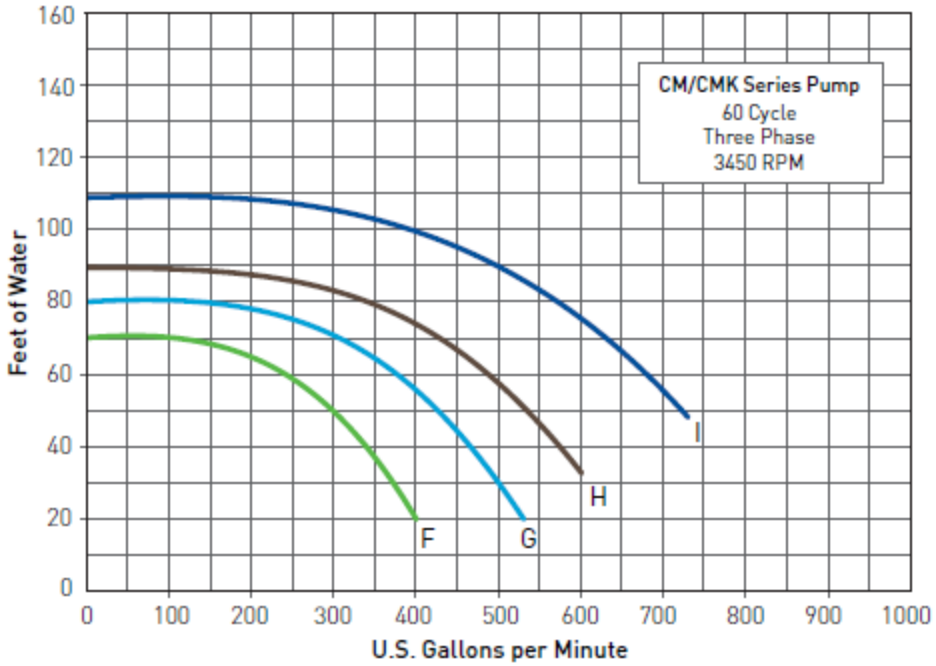
Pentair	C Series	

Pump	HP	Curve Key
CM-50 CMK-50	5	F
CH-50 CHK-50	5	A
CM-75 CMK-75	7.5	G
CH-75 CHK-75	7.5	B
CM-100 CMK-100	10	H
CH-100 CHK-100	10	C
CMK-150	15	I
CHK-150	15	D
CHK-200	20	E

CH/CHK SERIES PUMP - 60HZ



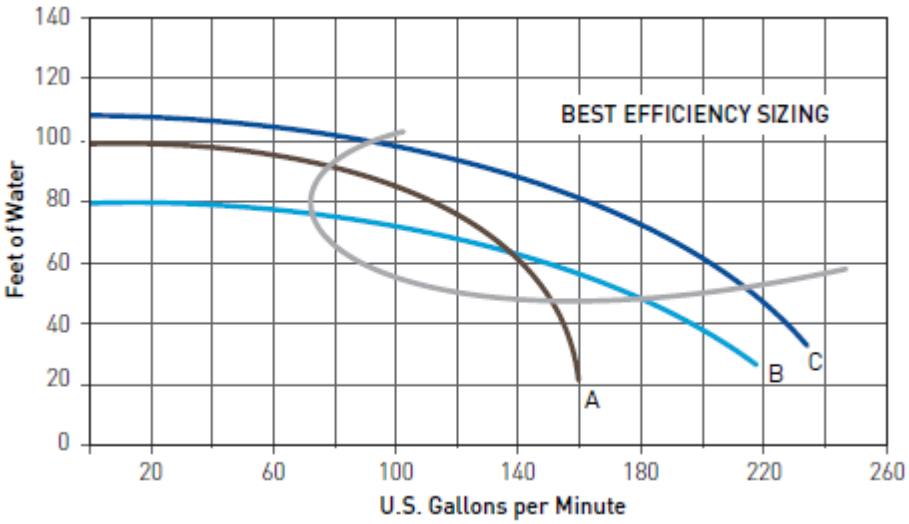
CM/CMK SERIES PUMP - 60HZ



Pentair C/CC Series

Pentair	C/CC Series *Bronze or Cast Iron* *Commercial Pool Pump*	

	Pump	HP	Curve Key
Bronze	CHH-137 CHH3-137	3	A
	CMH-136 CMH3-136	3	B
	CHJ-138 CHJ3-138	5	C
Cast Iron	CCHH-137S CCHH3-137S	3	A
	CCMH-136S CCHH2-137S	3	B
	CCHJ-138 CCHJ3-138S	5	C

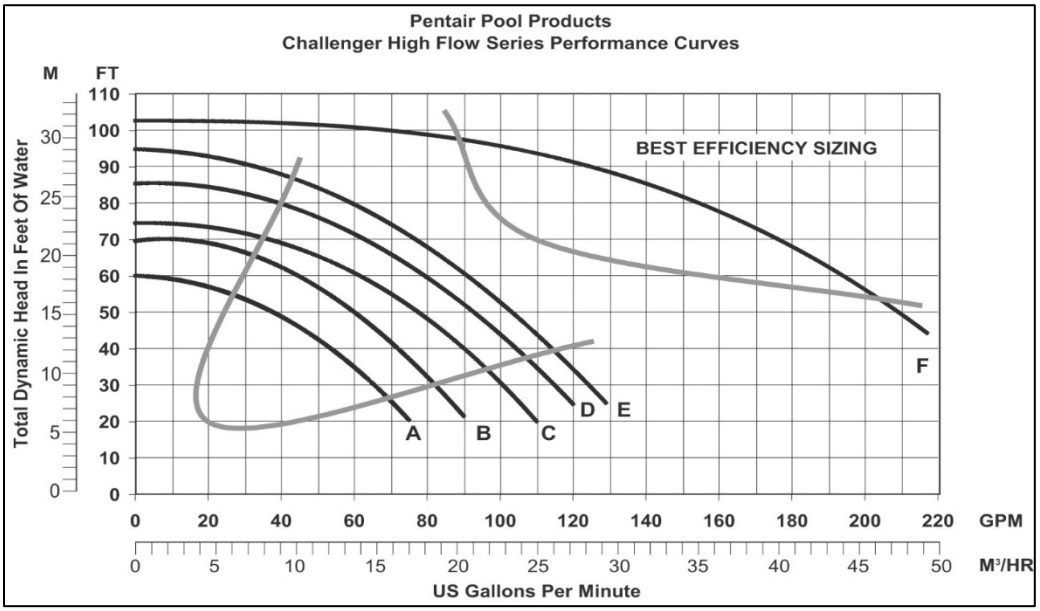


Pentair Challenger High Flow

Pentair	Challenger High Flow	

Pentair Challenger High Flow

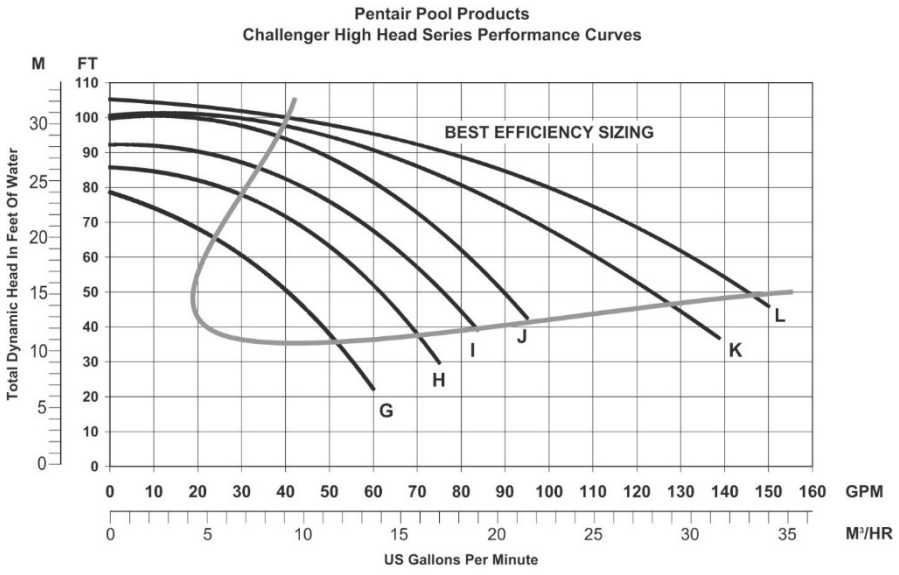
Pump	Product	HP	Curve Key
CFII-NI-1FE	342235	1	C
CFII-NI-1F	342234	1	
CFII-NI-1 ½A	343234	1 ½	
CFII-NI-1 ½FE	342236	1 ½	D
CFII-NI-1 ½F	342231	1 ½	
CFII-NI-2A	343240	2	
CFII-NI-2FE	342238	2	E
CFII-NI-2F	342248	2	
CFII-NI-2 ½A	343229	2 ½	
CFII-NI-½F	342232	½	A
CFII-NI-¾A	343232	¾	
CFII-NI-¾F	342233	¾	B
CFII-NI-1A	343233	1	
CFII-NI-5FE		5	F



Pentair Challenger High Pressure

Pentair	Challenger High Flow	

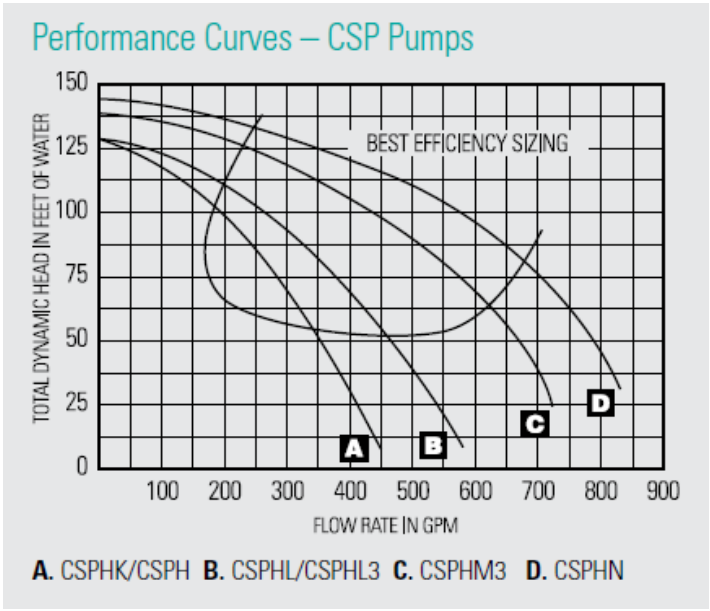
Pump	Product	HP	Curve Key
CHII-NI-1/2FE	345212	½	G
CHII-NI-1/2F	345202	½	
CHII-NI-¾A	346203	¾	
CHII-NI-¾FE	345213	¾	H
CHII-NI-¾F	345203	¾	
CHII-NI-1A	346204	1	
CHII-NI-1FE	345205	1	I
CHII-NI-1F	345204	1	
CHII-NI-1 ½A	346206	1 ½	
CHII-NI-1 ½FE	345206	1 ½	J
CHII-NI-1 ½F	345201	1 ½	
CHII-NI-2A	346201	2	
CHII-NI-2FE	345208	2	K
CHII-NI-1 ½AE	346206	2 ½	
CHII-NI-2F	345218	2	
CHII-NI-2 ½A	346249	2 ½	
CHII-NI- 2 ½AE	346209		
CHII-NI-3FE	345209	3	L
CHII-NI-3F	345219	3	

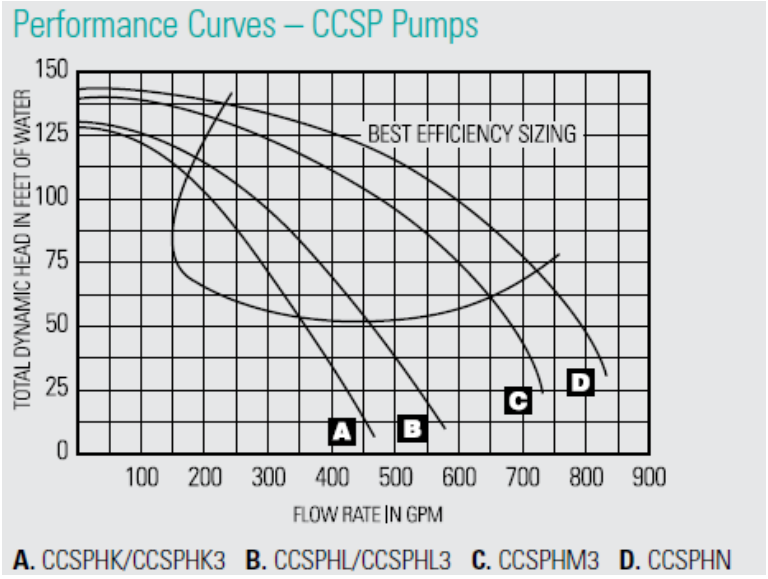


Pentair CSP/CCSP Series

Pentair	C/CC Series *Commercial Self-Priming Pump*	

Pump Model	HP
CSPHK/CCSPHK CSPHK3/CCSPHK3 CSPH2K3/CCSPH2K3	7 ½
CSPHL/CCSPHL CSPHL3/CCSPHL3 CSPH2L3/CCSPH2L3	10
CSPHM3/CCSPHM3 CSPH2M3/CCSPH2M3	15
CSPHN3/CCSPHN3 CSPH2N3/CCSPH2N3	20

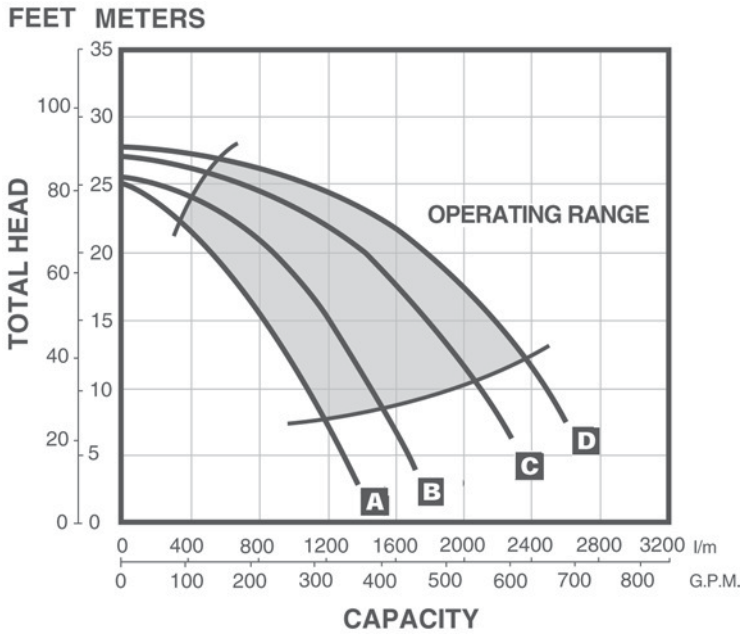




Pentair 5CSP/5CCSP Series

Pentair	C/CC Series *50 Hertz Commercial Self-Priming Pump*	

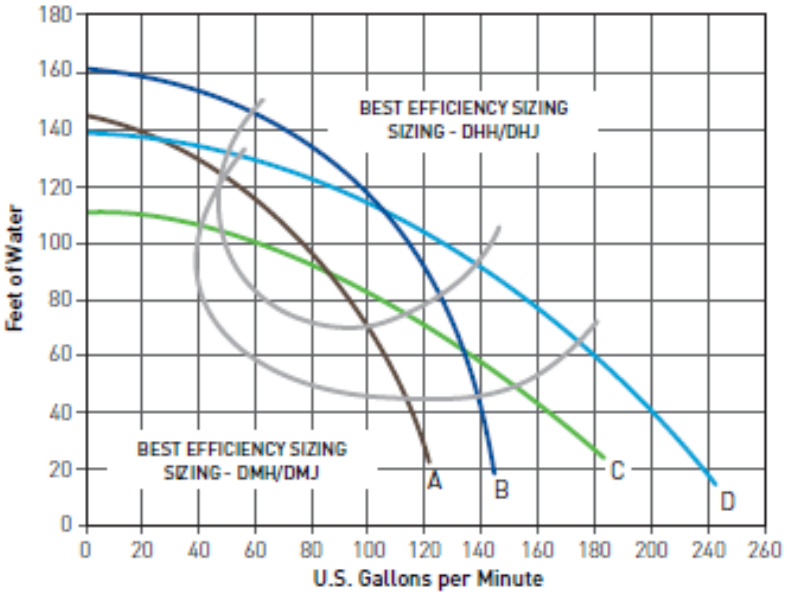
Pump	HP	Curve Key
5CSPHJ/5CSPHJ3/5CCSPHJ3	5	A
5CSPHK/5CSPHK3/5CCSPHK3	7.5	B
5CSPHL3/5CCSPHL3	10	C
5CSPHM3/5CCSPHM3	15	D



Pentair D Series

Pentair	D Series *Cast Iron Self-Priming Centrifugal Commercial Pump*	

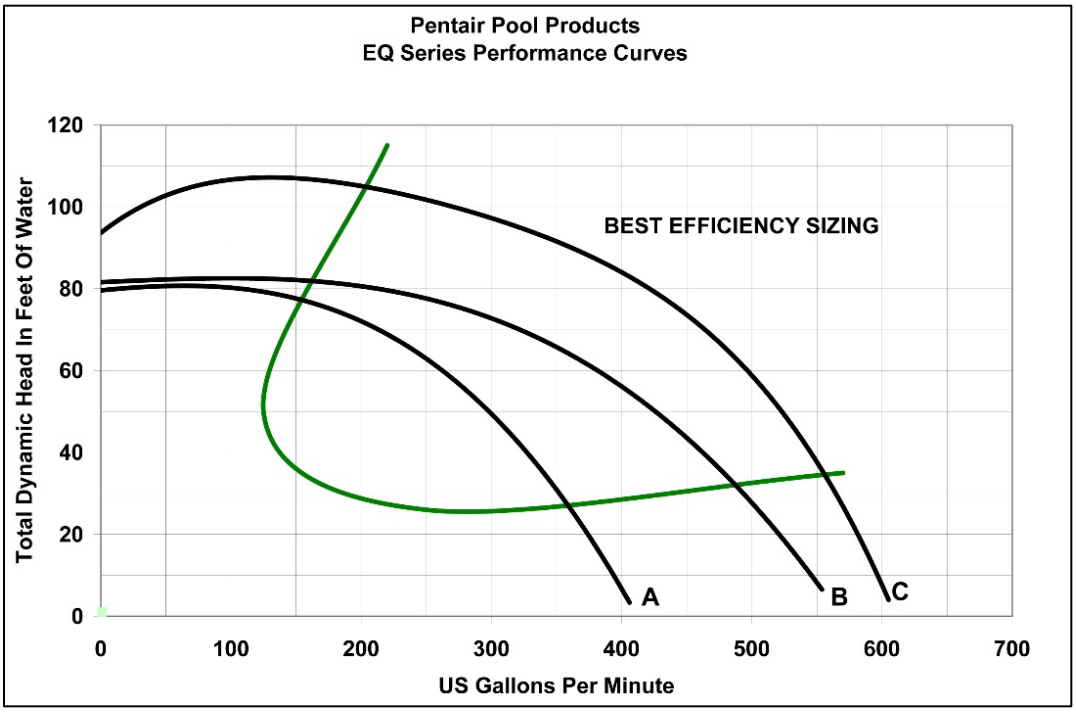
Pump Model	HP
DHH/DHH3	3
DHJ/DHJ3	5
DMH/DMH3	3
DMJ/DMJ3	5

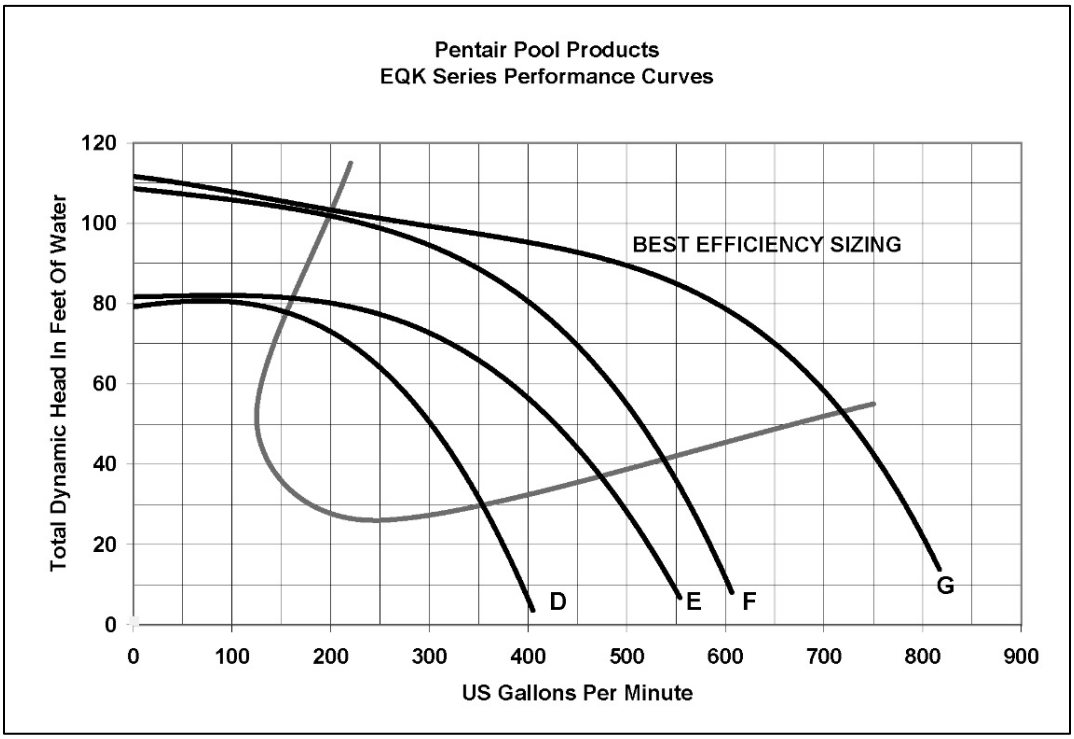


Pentair EQ Series

Pentair	EQ Series (Single Phase, Three Phase)	

Pump	HP	Curve Key
EQ-500	5	A
EQ-750	7.5	B
EQ-1000	10	C
EQK-500 EQKT-500 EQT-500	5	D
EQK-750 EQKT-750 EQT-750	7.5	E
EQK-1000 EQKT-1000 EQT-1000	10	F
EQK-1500 EQKT-1500 EQT-1500	15	G

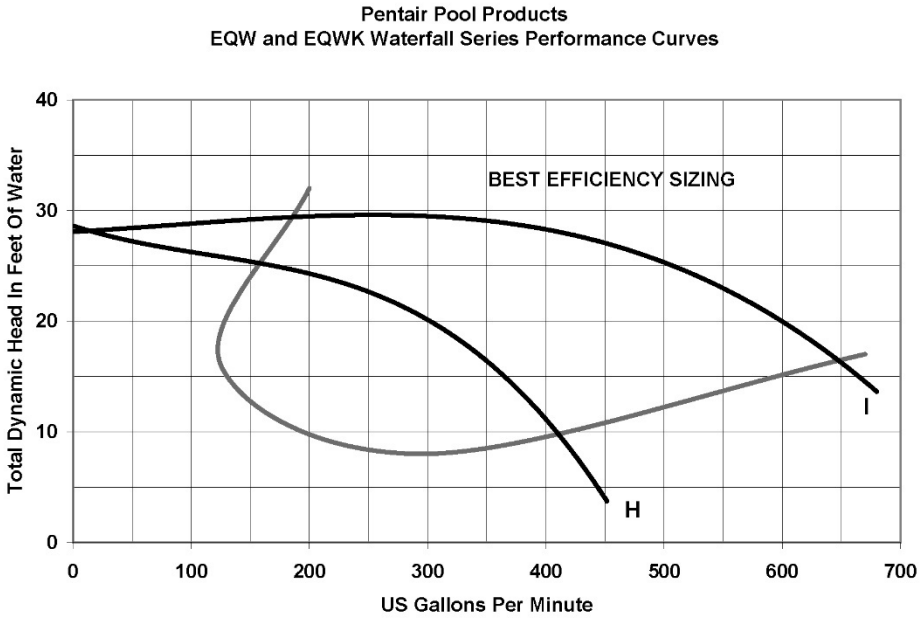

Pentair Pool Products
EQ Series Performance Curves
Total Dynamic Head In Feet Of Water
120
100
80
60
40
20
0
BEST EFFICIENCY SIZING
A
B
C
0
100
200
300
400
500
600
700
US Gallons Per Minute


Pentair Pool Products
EQK Series Performance Curves
Total Dynamic Head In Feet Of Water
120
100
80
60
40
20
0
BEST EFFICIENCY SIZING
D
E
F
G
0
100
200
300
400
500
600
700
800
900
US Gallons Per Minute

Pentair EQW Series

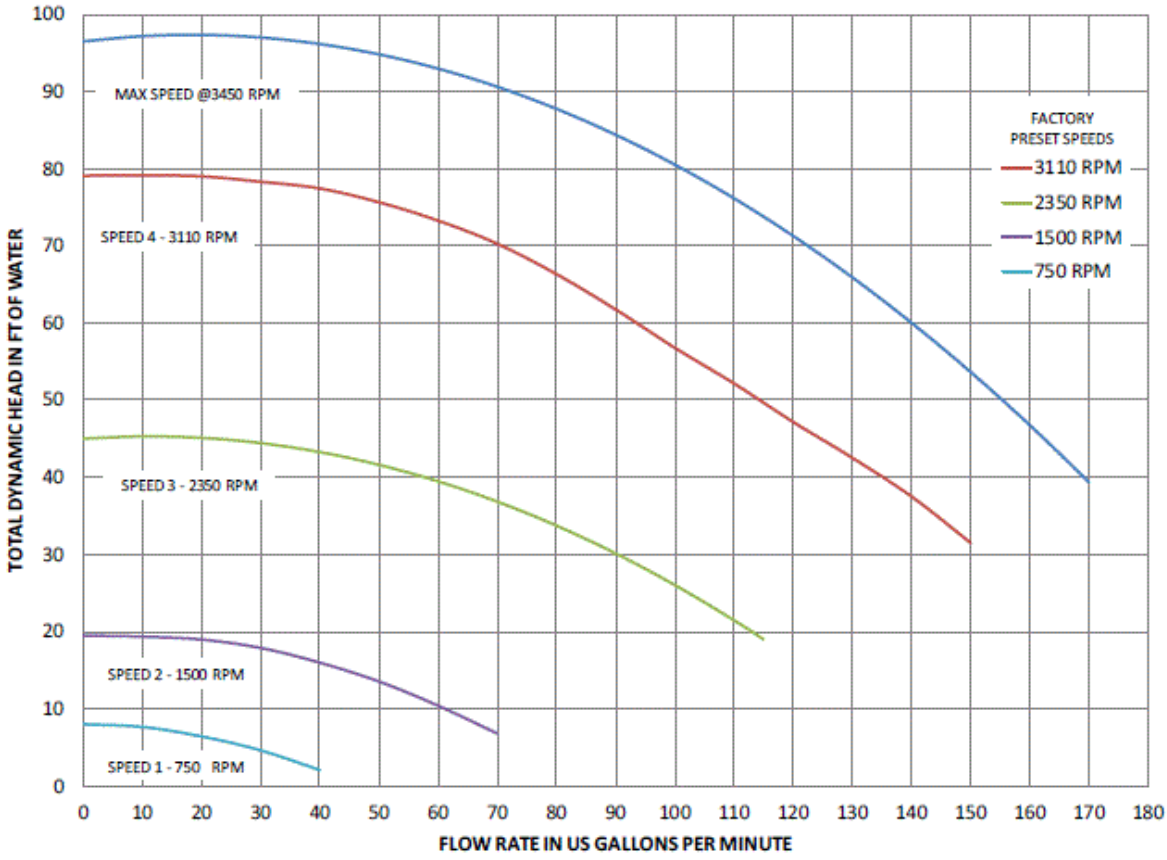
Pentair	EQW Series Waterfall	

Pump	HP	Curve Key
EQW-300/EQWK-300	3	H
EQW-500/EQWK-500	5	I



IntelliFlo 2 VST

Pentair	IntelliFlo 2 VST 011055	

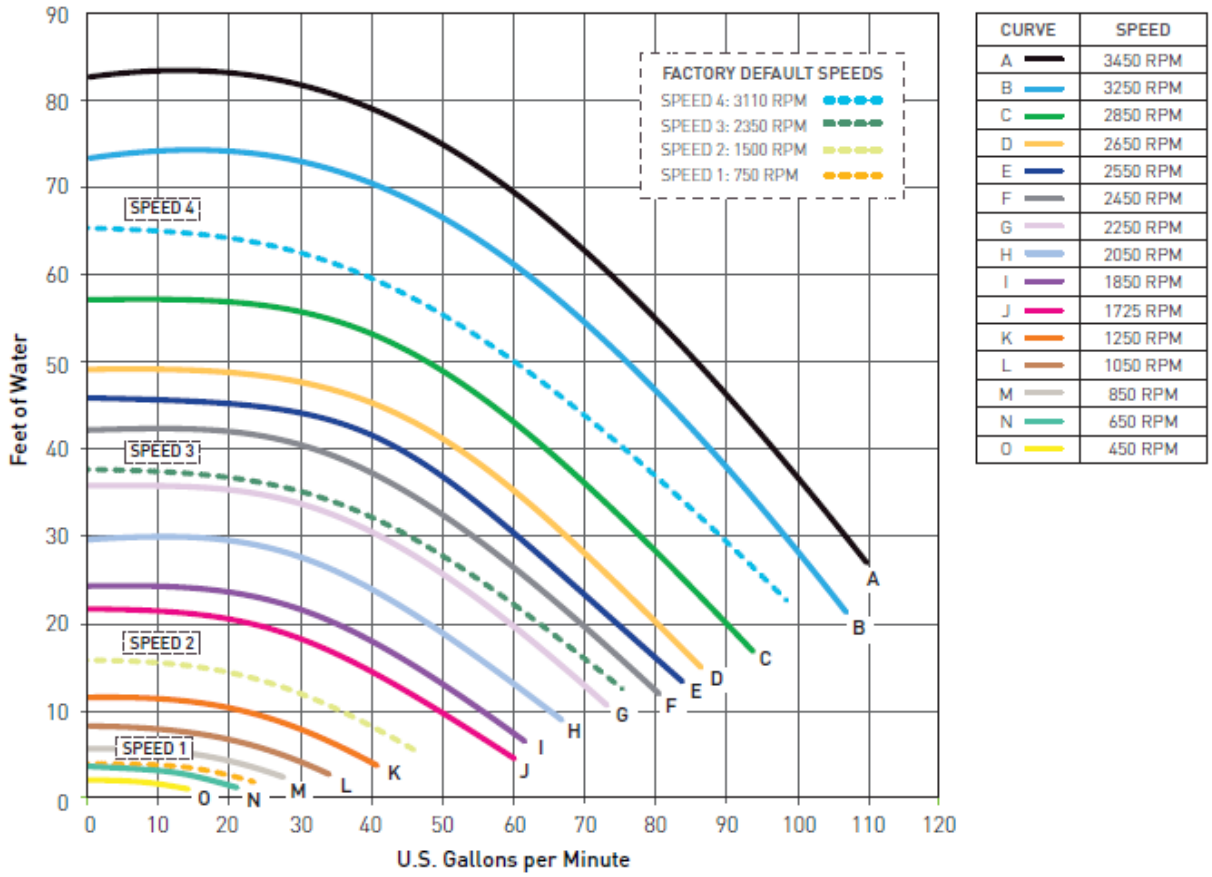


Note: IntelliFlo VS+SVRS minimum speed is 1100 RPM

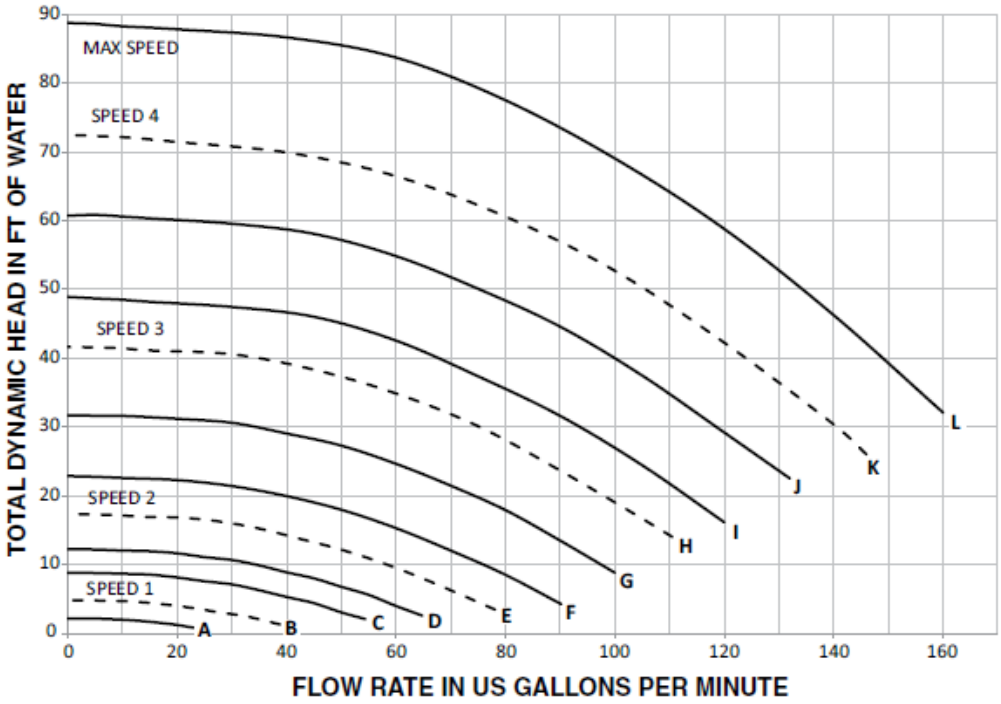
IntelliFlo i1 and i2 Variable Speed Pump

Pentair	IntelliFlo i1 – 011059 IntelliFlo i2 – 011060	

IntelliFlo i1



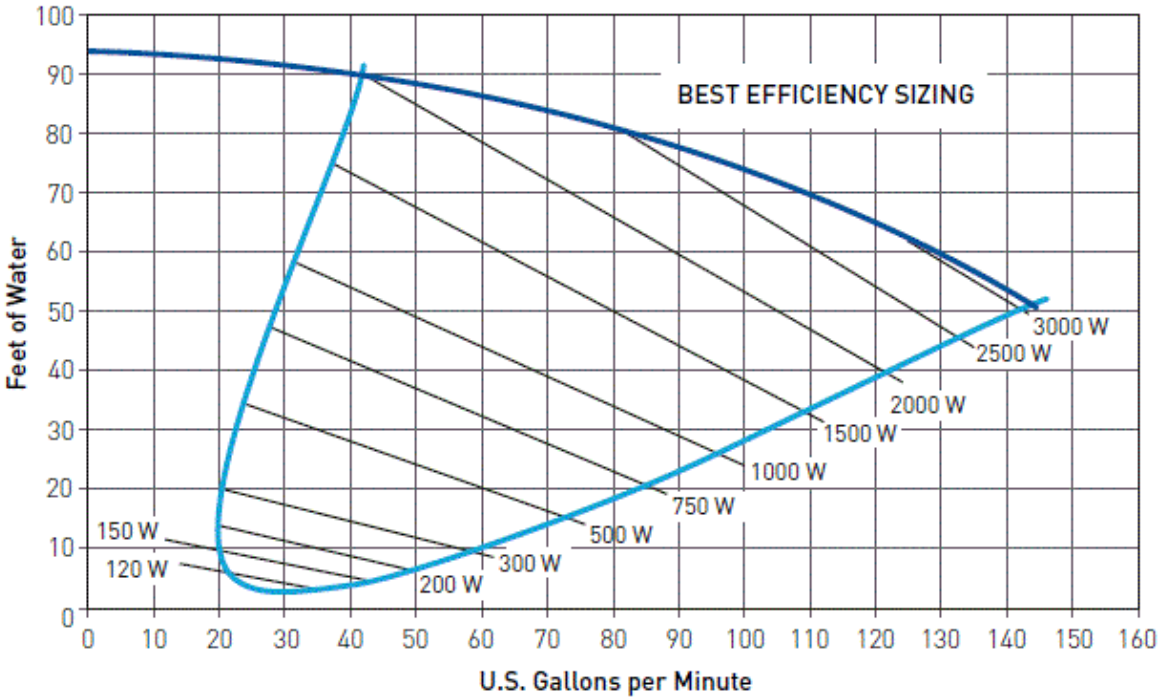
CURVE	SPEED
A	3450 RPM
B	3250 RPM
C	2850 RPM
D	2650 RPM
E	2550 RPM
F	2450 RPM
G	2250 RPM
H	2050 RPM
I	1850 RPM
J	1725 RPM
K	1250 RPM
L	1050 RPM
M	850 RPM
N	650 RPM
O	450 RPM



CURVE	SPEED
A	450 RPM
B	750 RPM
C	1050 RPM
D	1250 RPM
E	1500 RPM
F	1725 RPM
G	2050 RPM
H	2350 RPM
I	2550 RPM
J	2850 RPM
K	3110 RPM
L	3450 RPM

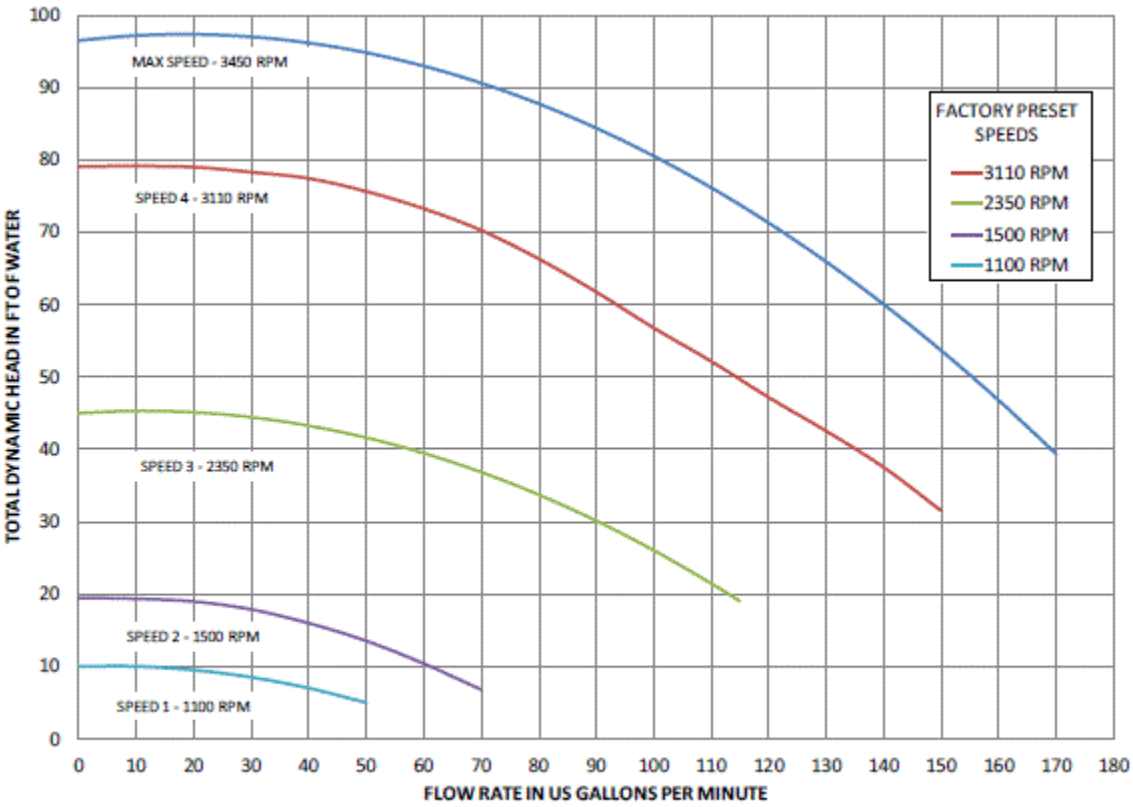
Pentair IntelliFlo VF – Variable Flow

Pentair	IntelliFlo VF 011012	



Pentair IntelliFlo VS and IntelliFlo VS + SVRS

Pentair	IntelliFlo VS 011018 011028 Inteliflo VS + SVRS 011057	

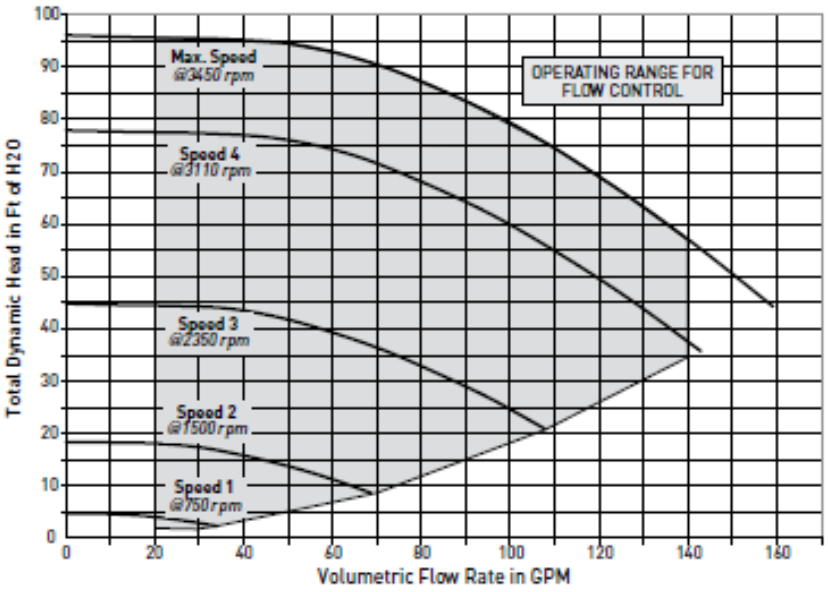


Note: IntelliFlo VS+SVRS minimum speed is 1100 RPM

Pentair IntelliFlo VSF

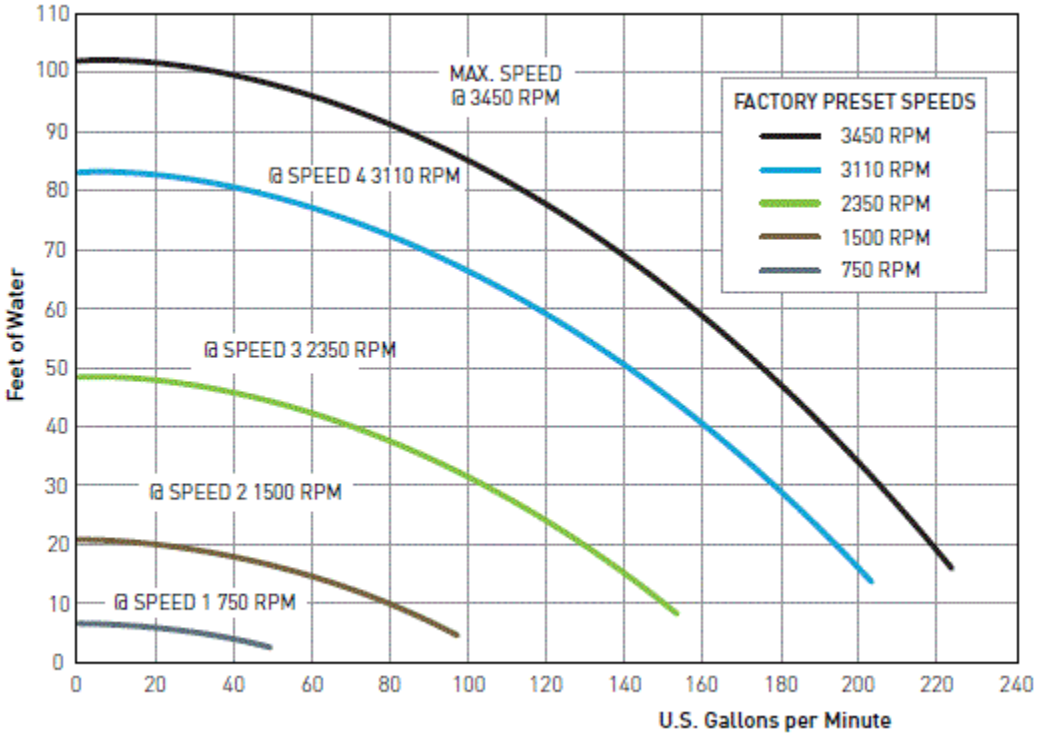
Pentair	IntelliFlo VSF 011056	

Performance Curves



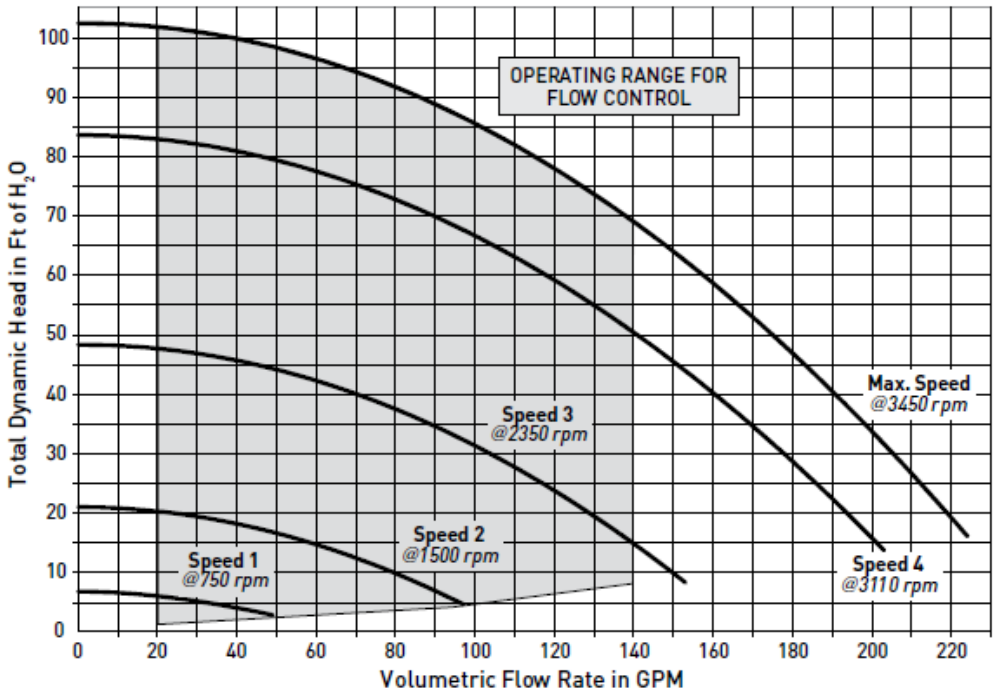
IntelliFloXF

Pentair	IntelliFloXF 022055	



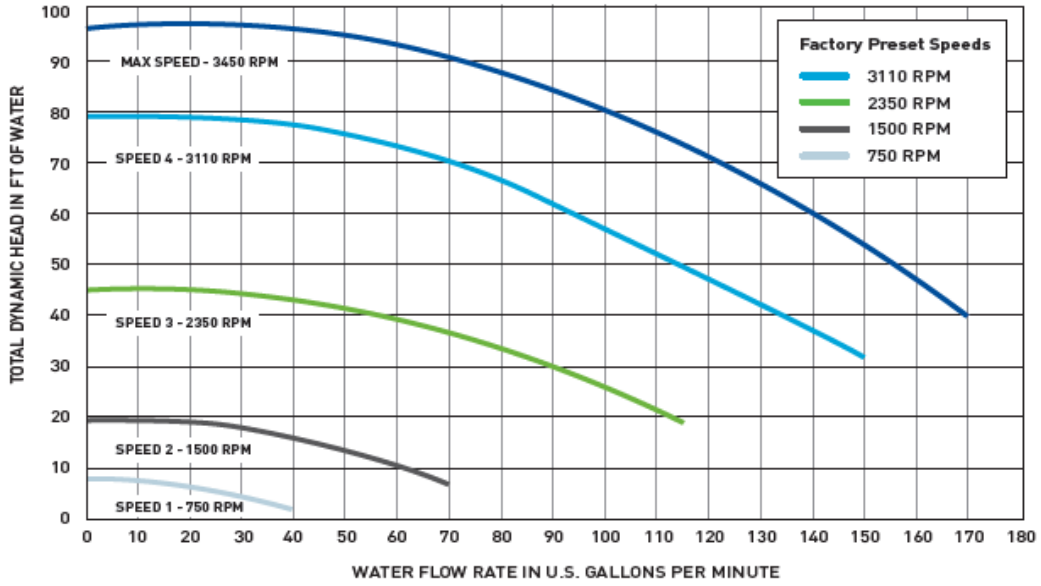
IntelliFloXF VSF

Pentair	IntelliFloXF VSF 022056	



Pentair IntelliPro

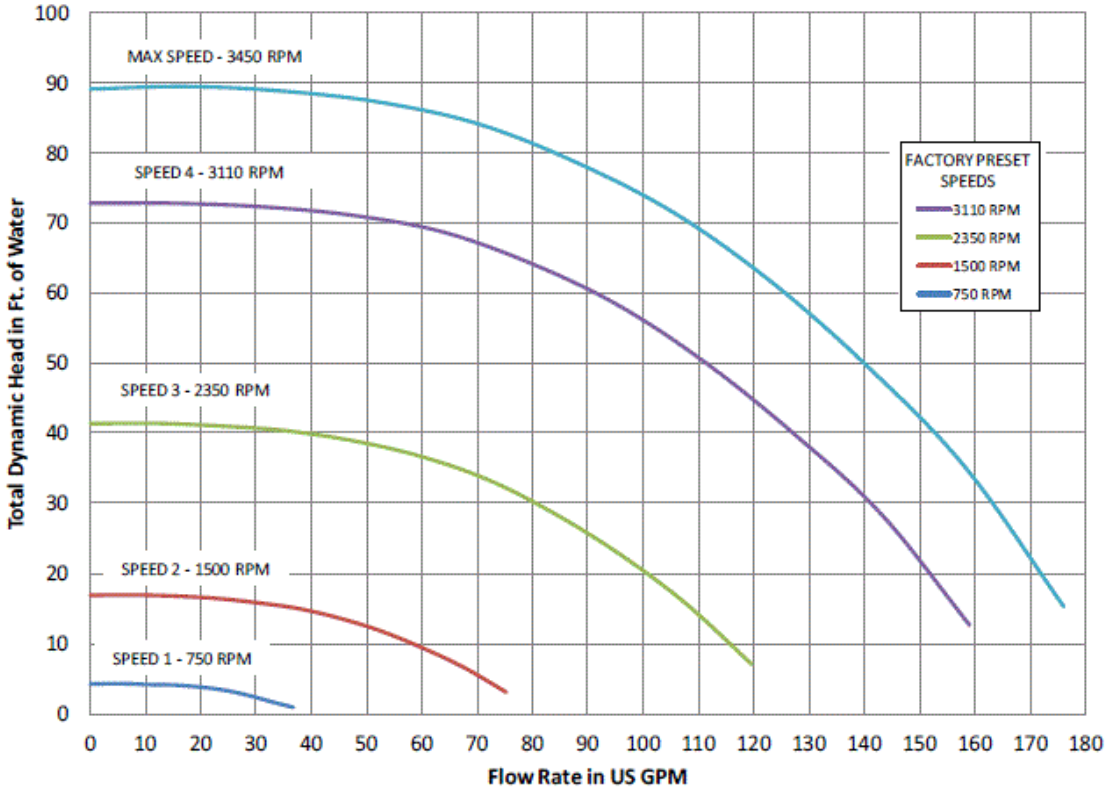
Pentair	IntelliPro P6E6VS4H-L	



NOTE: The chart above demonstrates performance rates at factory preset speeds of 750 RPM, 1500 RPM, 2350 RPM and 3110 RPM.

Pentair IntelliPro 2 VST

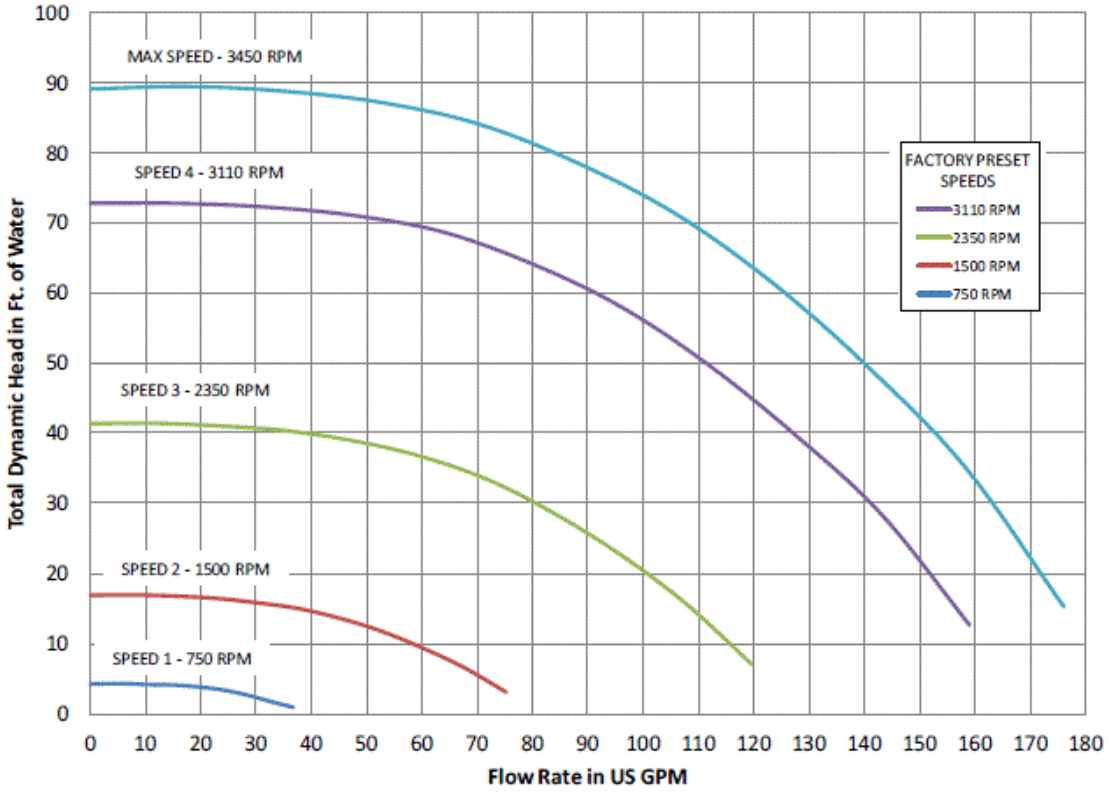
Pentair	IntelliPro 2 VST 013001	



Note: IntelliPro VS+SVRS minimum speed is 1100 RPM

Pentair IntelliPro VS

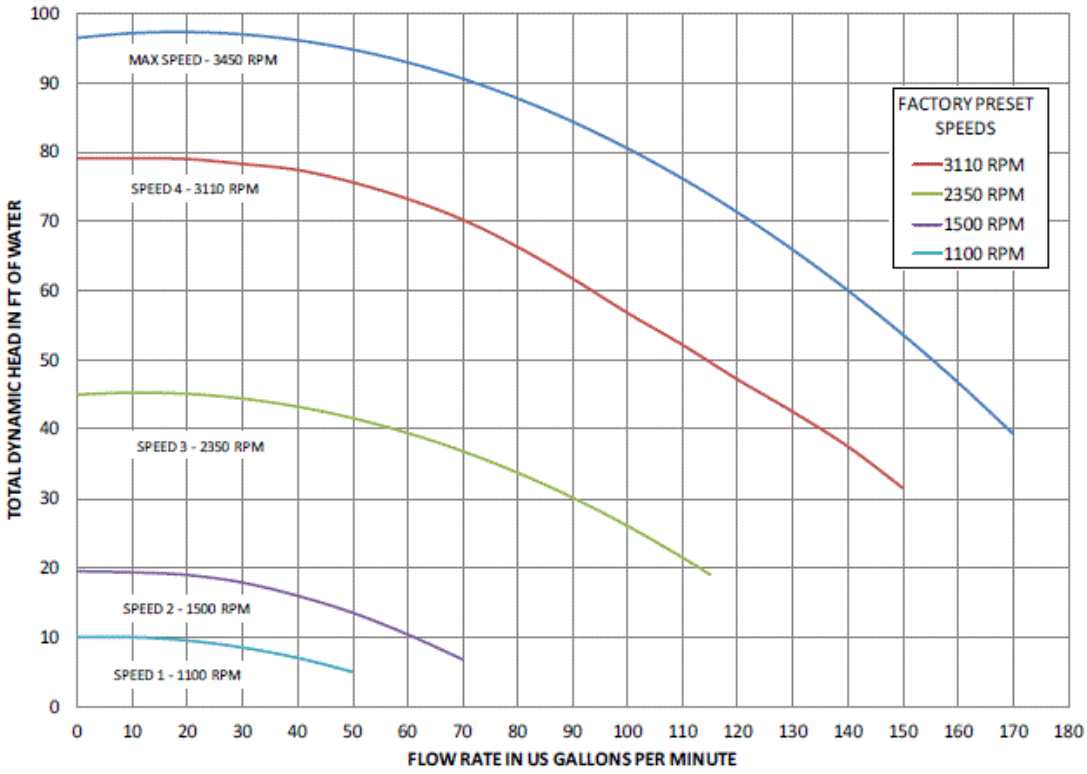
Pentair	IntelliPro VS 013028	



Note: IntelliPro VS+SVRS minimum speed is 1100 RPM

Pentair IntelliPro VS+SVRS

Pentair	IntelliPro VS+SVRS P6E6XS4H-L 013002	 

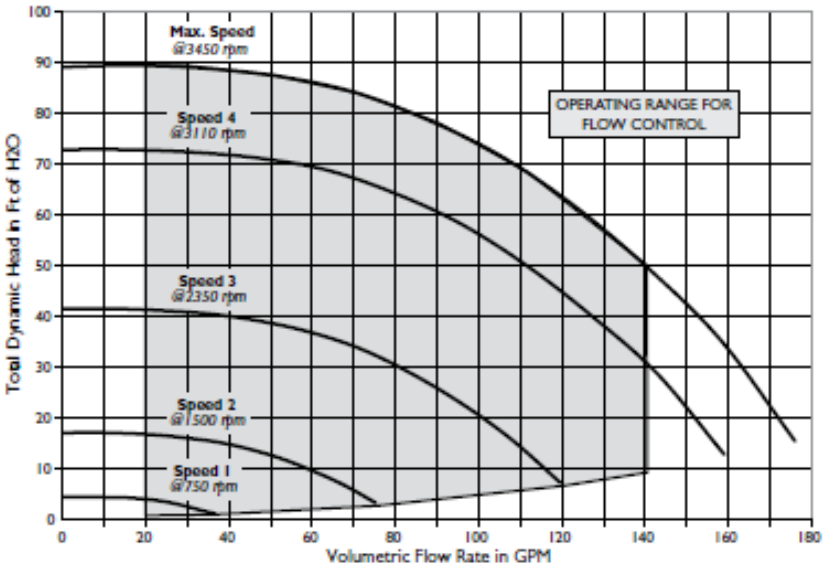


* IntelliFlo VS+SVRS minimum speed is 1100 RPM

Pentair IntelliPro VSF

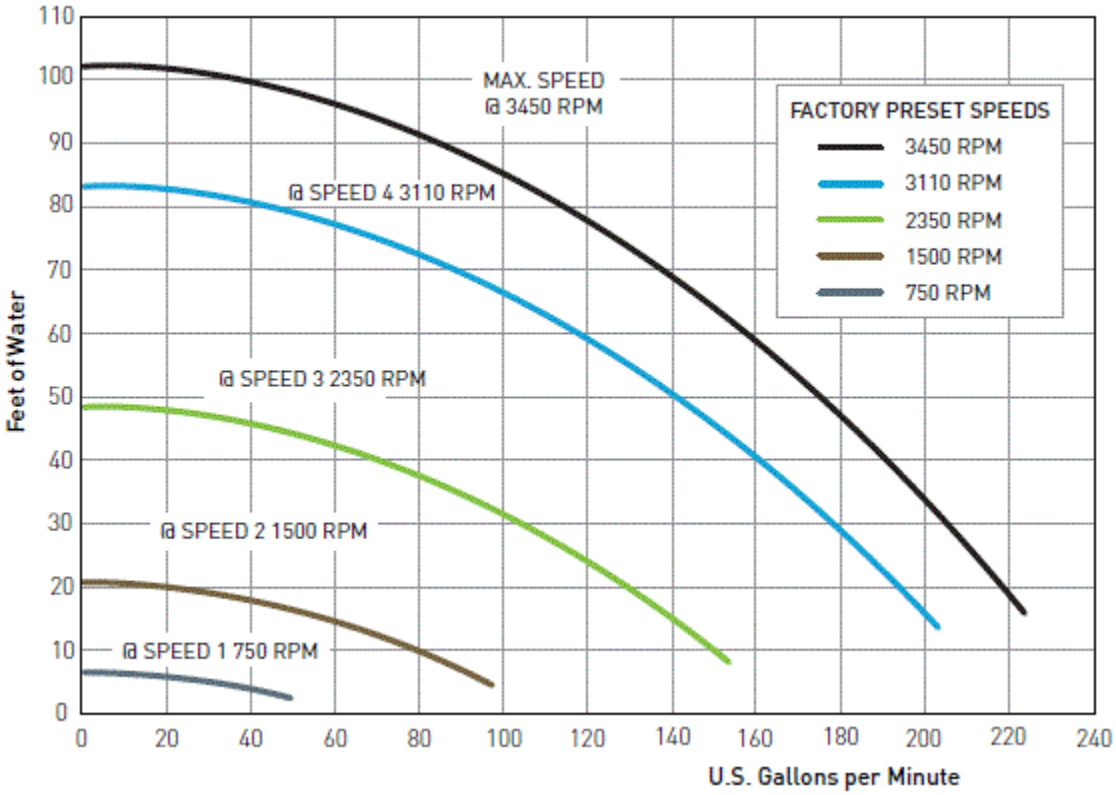
Pentair	IntelliPro VSF 013004	

Performance Curves



Pentair IntelliProXF Variable Speed

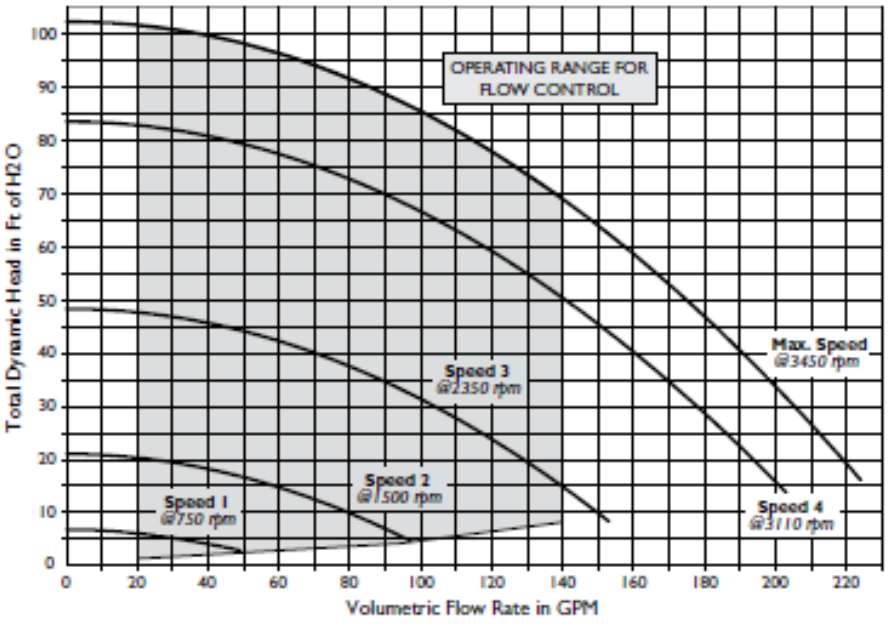
Pentair	IntelliProXF 023055	



Pentair IntelliProXF VSF

Pentair	IntelliProXF VSF 023056	

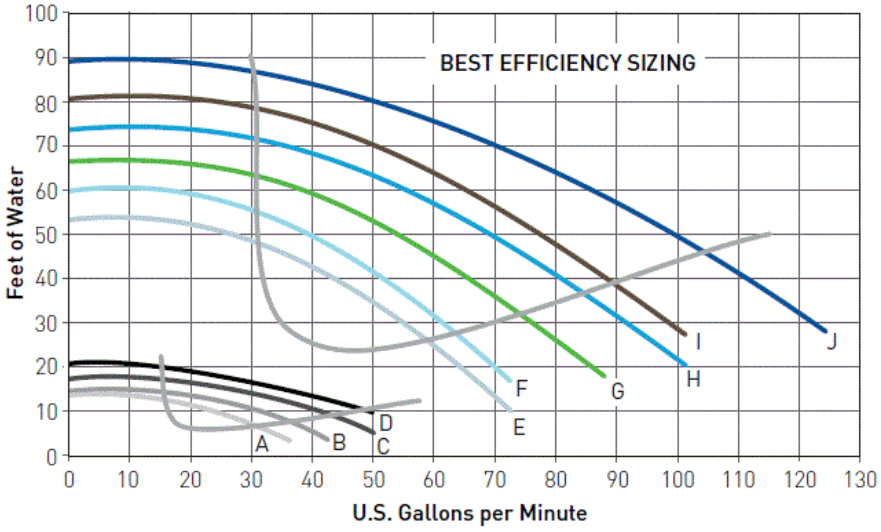
Performance Curves



Pentair SuperFlo High Performance

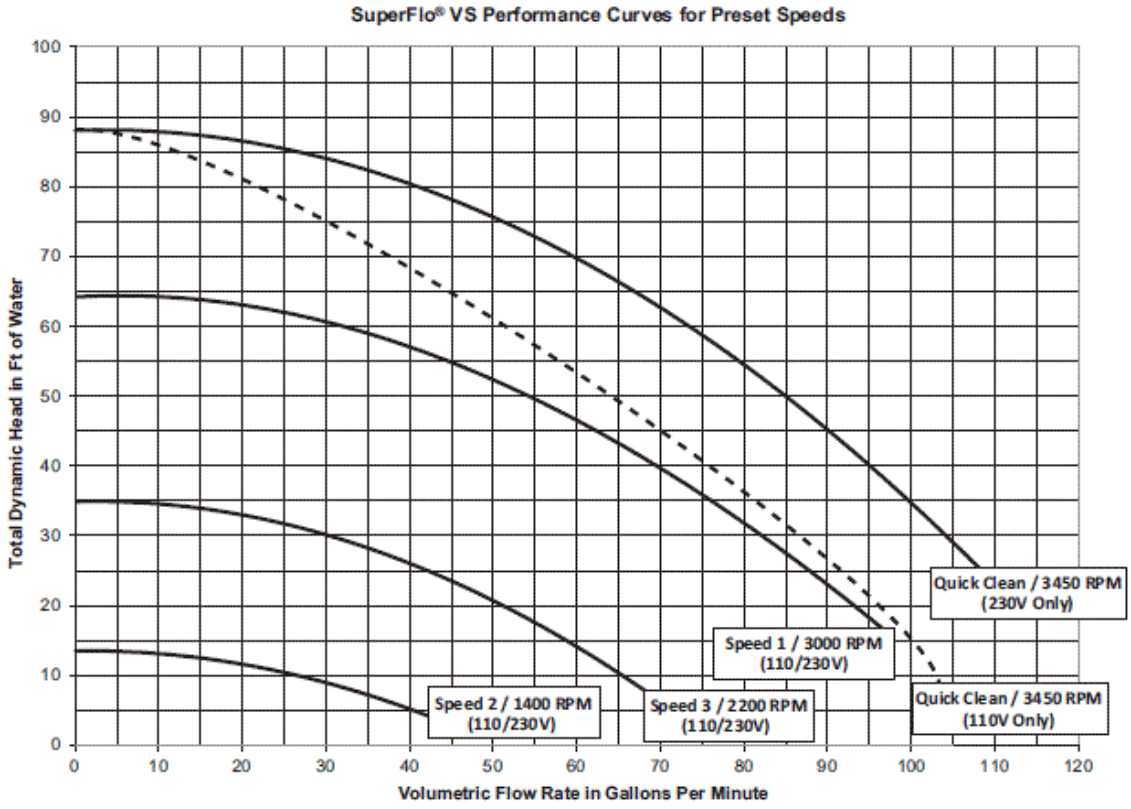
Pentair	Superflo	

Pump	Product	HP	Curve Key
SF-NI-½FE SF-NI-½F	348021 340036	½ ½	E
SF-NI-¾FE SF-NI-¾A	348022 340037	¾ ¾	F
SF-NI-1AE SF-NI-1A	348023 340038	1 1	G
SF-NI-1 ½AE SF-NI-1 ½A	348024 340039	1 ½ 1 ½	H
SF-NI-2AE SF-NI-2A	348025 340040	2 2	I
SF-NI-2 ½AE SF-NI-2 ½A	348026 340041	2 ½ 2 ½	J
SF-N2- ¾ A (low speed)	341111	¾	A
SF-N2-1A (low speed)	340042	1	B
SF-N2-1 ½A (low speed)	340043	1 ½	C
SF-N2-2A (low speed)	340044	2	D



Pentair SuperFlo VS Variable speed

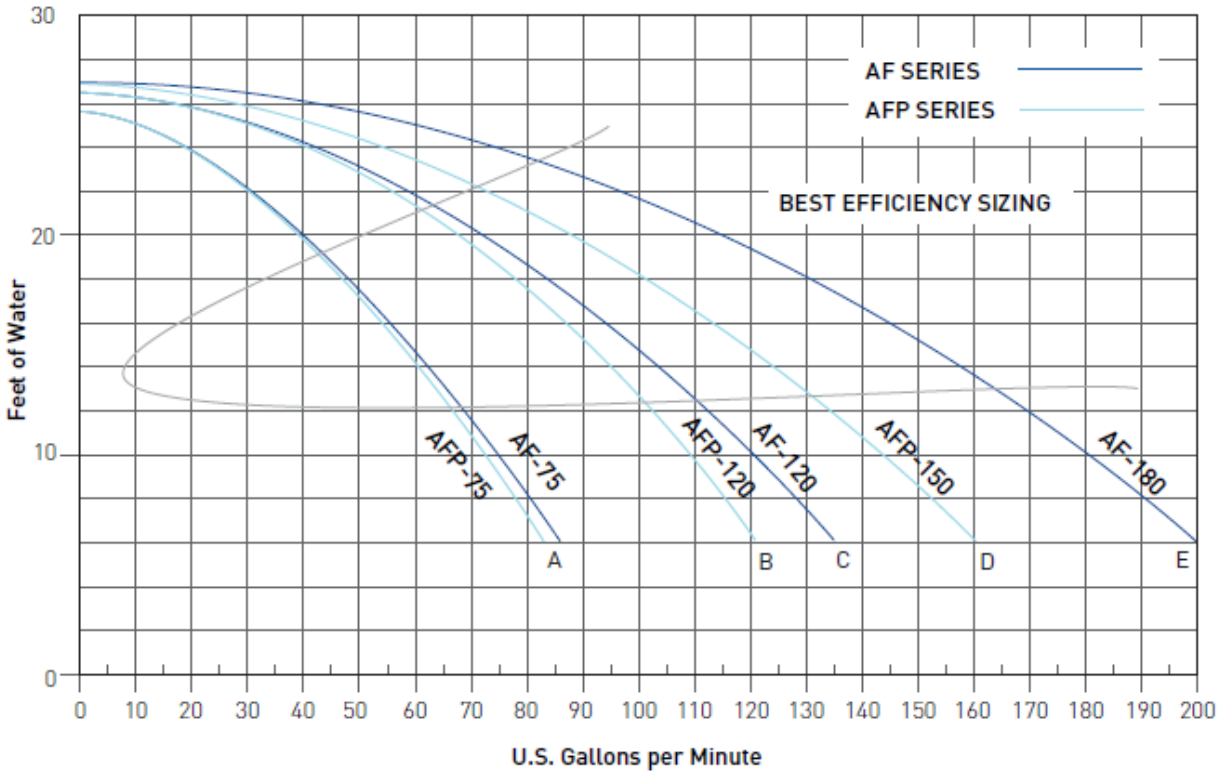
Pentair	Superflo VS Variable Speed 342001	



Pentair Waterfall Speciality Pumps

Pentair	Waterfall Specialty Pump	

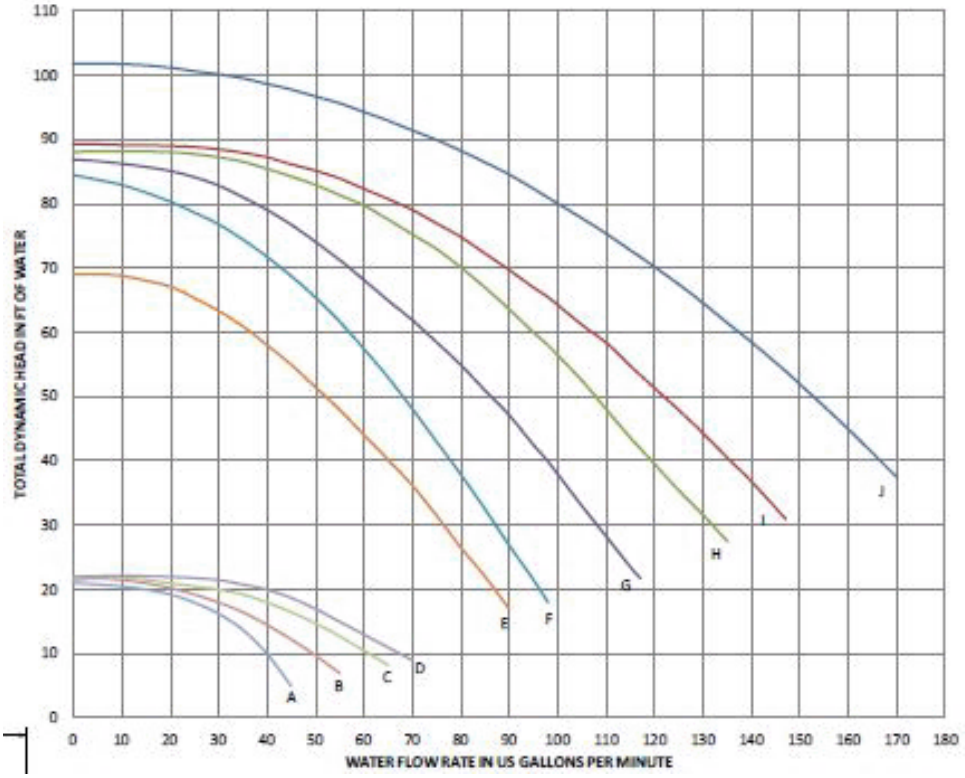
Pump	Product	Curve Key
AFP-75	340350	A
AFP-120	340351	B
AFP-150	340352	D
AF-75	340300	A
AF-120	340301	C
AF-180	340302	E



Pentair Whisperflo

Pentair	Whisperflo	

Pump	Product	HP	Curve Key
WFE-2 WF-2 WF-23	011511 011578 011771	½ ½ ¾	E
WFE-3 WF-3 WFE-24 WF-24	011512 011579 011517 011772	¾ ¾ 11	F
WFE-4 WF-4 WFK-4 WFE-26 WF-26	011513 011580 011641 011518 011773	1 1 1 1 ½ 1 ½	G
WFE-6 WF-6 WFK-6 WFE-28 WF-28	011514 011581 011642 011519 011774	1 ½ 1 ½ 1 ½ 2 2	H
WFE-8 WF-8 WFK-8 WFE-30 WF-30	011515 011582 011643 011520 011775	2 2 2 2 ½ 2 ½	I
WFE-12 WF-12 WFK-12	011516 011583 011644	3 3 3	J
WFDS-3 WFDS-24	012530 012485	¾ 1	A, F
WFDS-4 WFDS-26	011486 012518	1 1 ½	B, G
WFDS-6 WFDS-28	011522 011524	1 ½ 2	C, H
WFDS-8 WFDS-30	011523 011525	2 2 ½	D, I

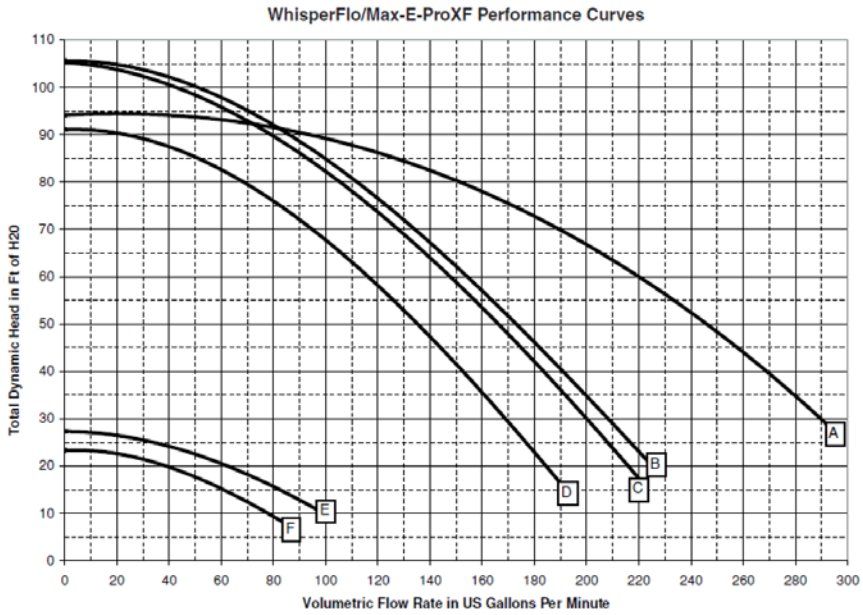

TOTAL DYNAMIC HEAD IN FT OF WATER
WATER FLOW RATE IN US GALLONS PER MINUTE
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
A
B
C
D
E
F
G
H
I
J

Pentair WhisperfloXF

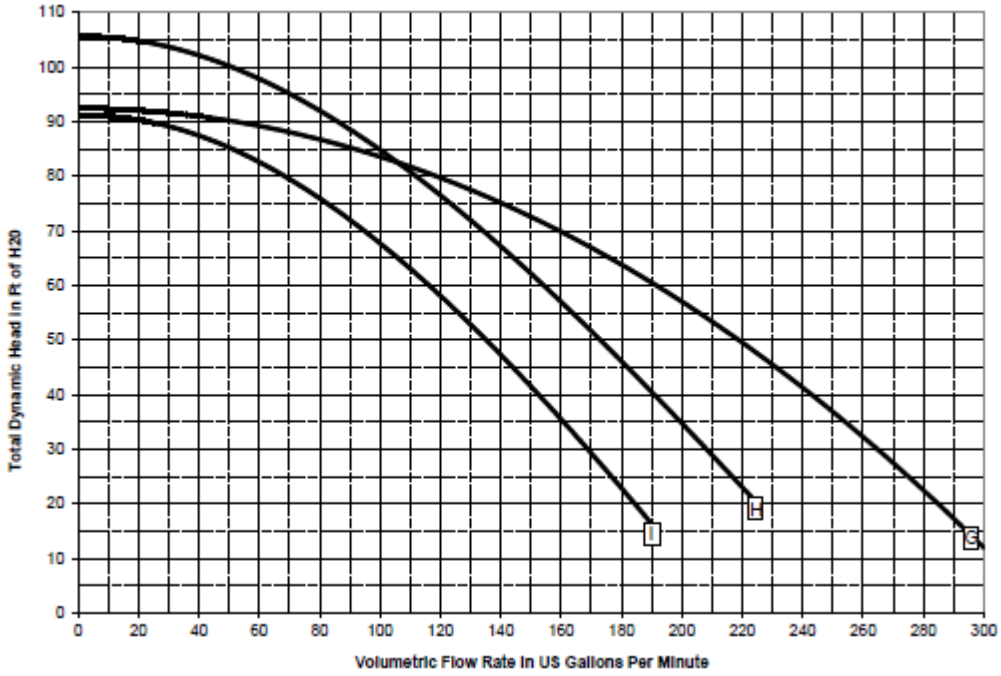
Pentair	WhisperfloXF	

Pump	Product	HP	Curve Key
XFE-20 XFJ-20	022011 -	5	A
XFE-12 XFL-12	022010 -	3	B
XF-12	022013	3	C
XFDS-12	022008	3 (2 speed)	C, E
XFE-8 XF-8 XFJ-8	022009 022012 -	2	D
XFE-30 XF-30	022028 022027	2 ½	D
XFDS-8 XFDS-30	022007 022026	2 2 ½	D, F
XFET-8	022032	2	D
XFET-12	022033	3	B
XFET-20	022034	5	A
XFK-8	022017	2	I
XFK-12	022018	3	H
SFK-20	-	5	G

Pump Performance Curves



3 Phase Performance Curve



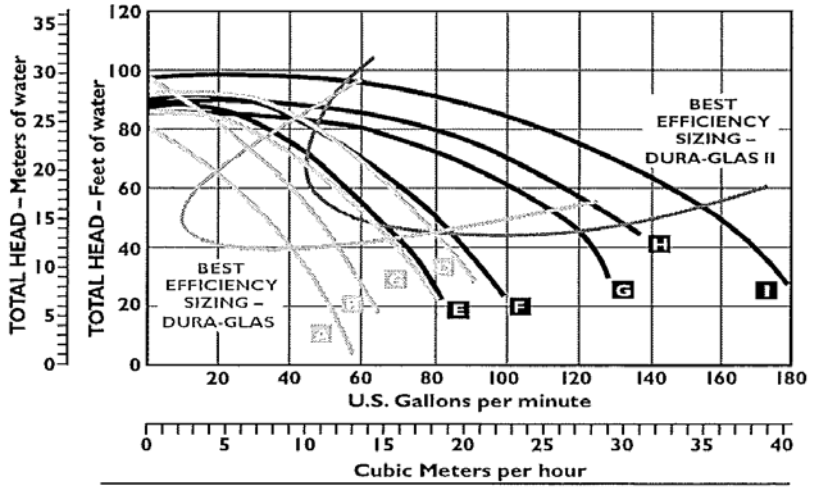
Sta-Rite Dura-Glas

Sta-Rite (Currently Pentair)	Dura-Glas	

Pump	HP	Curve Key
P2RA5CL – single speed	½	A – on first pump curve
P2RA5DL – single speed	¾	B – on first pump curve
P2RA5EL – single speed	1	C – on first pump curve
P2RA5FL – single speed	1 ½	D – on first pump curve
P2RA5YEL – two speed - LOW	1	A – on second pump curve
P2RA5YFL – two speed - LOW	1 ½	B – on second pump curve
P2RA5YGL – two speed - LOW	2	C – on second pump curve
P2RA5YEL – two speed - HIGH	1	D – on second pump curve
P2RA5YFL – two speed - HIGH	1 ½	E – on second pump curve
P2RA5YGL – two speed - HIGH	2	F – on second pump curve

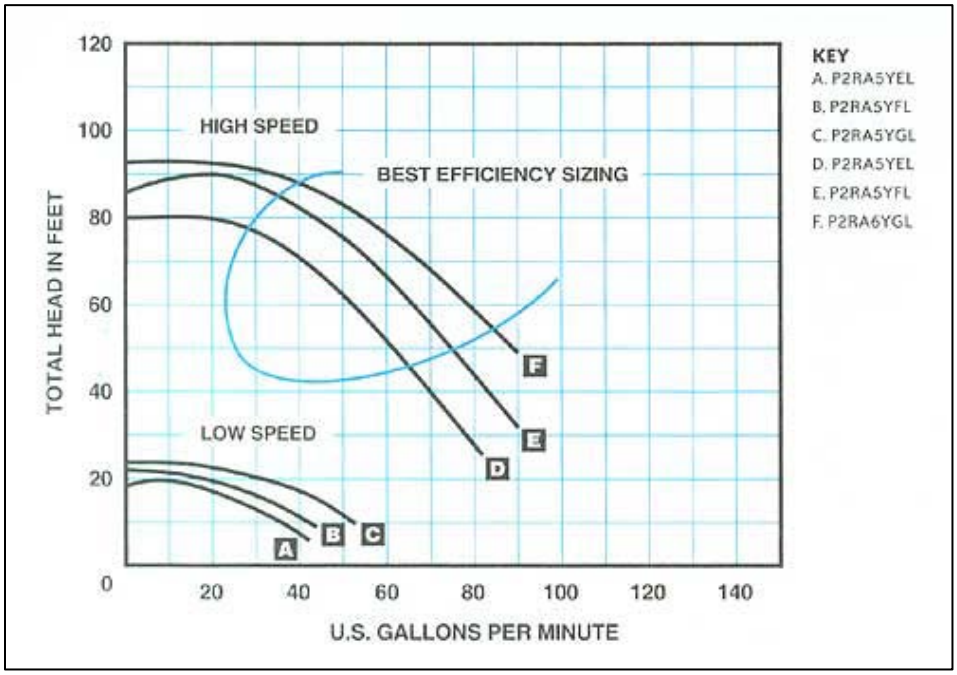
Performance Curves

Available in ½ to 3 HP, and single- and two-speed models.
Ask your dealer which one is right for you.



KEY

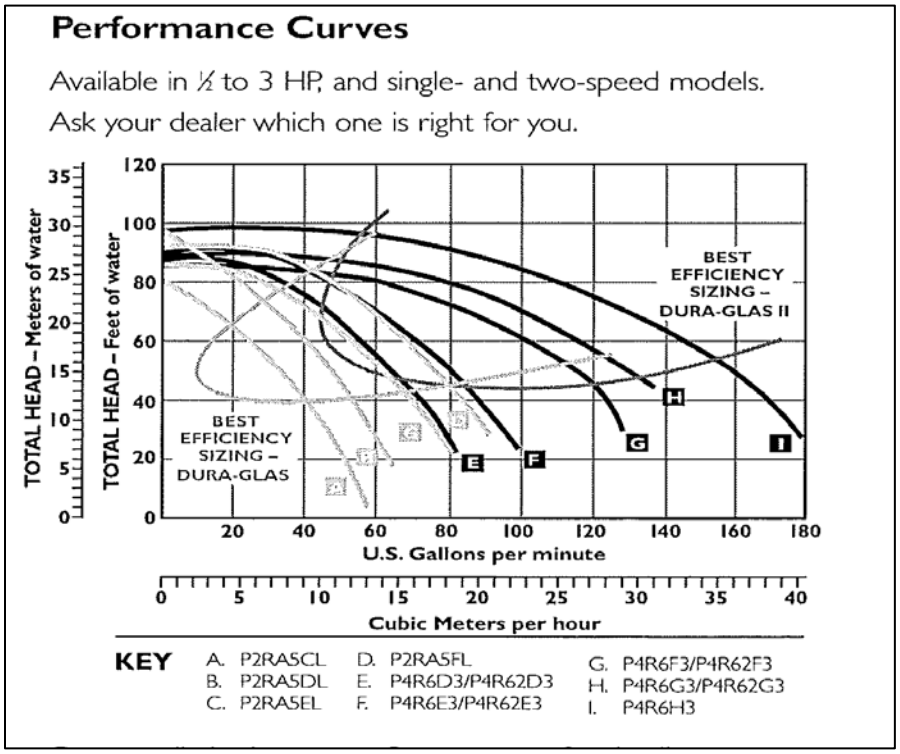
A. P2RA5CL
B. P2RA5DL
C. P2RA5EL
D. P2RA5FL
E. P4R6D3/P4R62D3
F. P4R6E3/P4R62E3
G. P4R6F3/P4R62F3
H. P4R6G3/P4R62G3
I. P4R6H3



Sta-Rite Dura-Glas II

Sta-Rite (Currently Pentair)	Dura-Glas II	

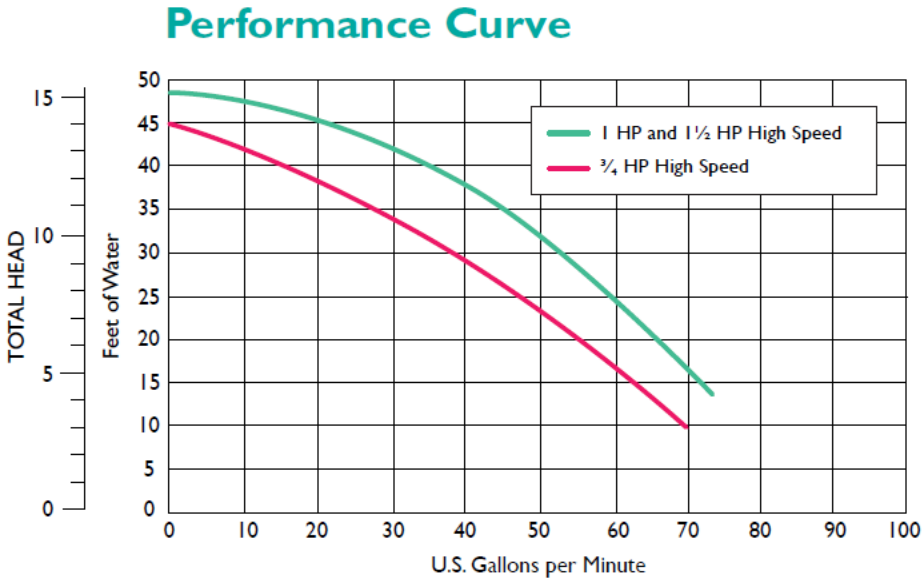
Pump	HP	Curve Key
P4R6D3 P4R62D3	¾ ¾	E
P4R6E3 P4R62E3	1 1	F
P4R6F3 P4R62F3	1 ½ 1 ½	G
P4R6G3 P4R62G3	2 2	H
P4R6H3	3	I



Sta-Rite Dynamo

Sta-Rite (Currently Pentair)	Dynamo	

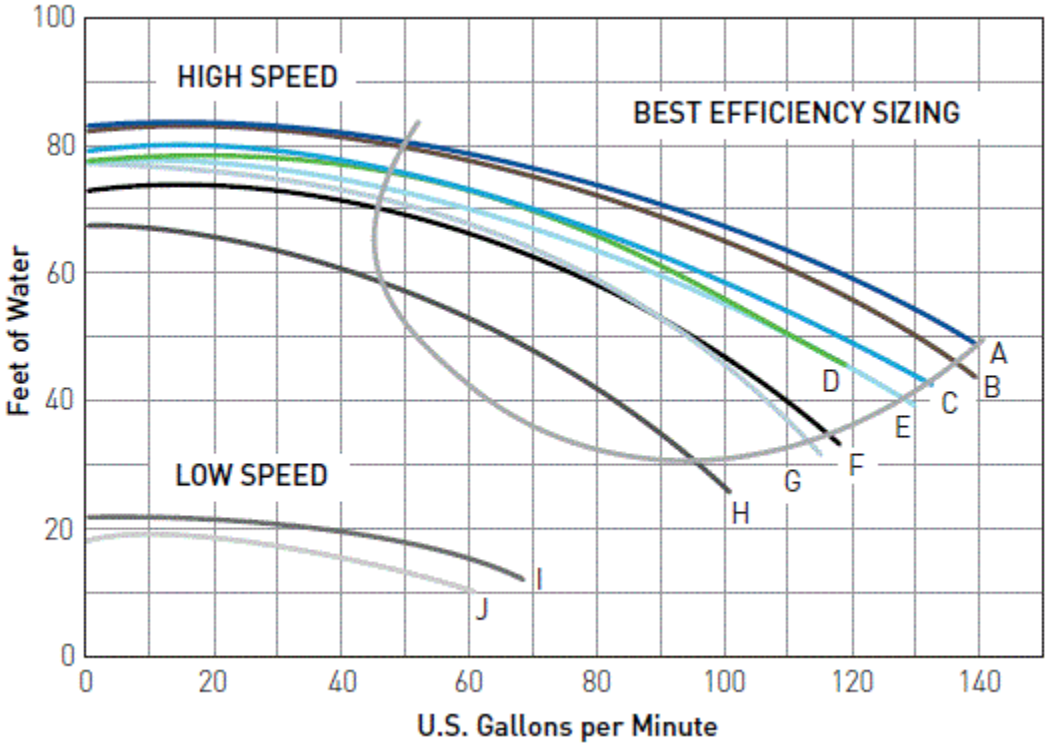
Pump	HP
DYNII-N1-3/4 HP DYNII-N1-3/4 HP	¾
DYNII-N1-1 HP DYNII-N2-1 HP	1
DYNII-N1-1 ½ HP DYNII-N2-1 ½ HP	1 ½
DYNII-N1-2 HP	2



Sta-Rite Dyna-Jet

Sta-Rite	Dyna-Jet	

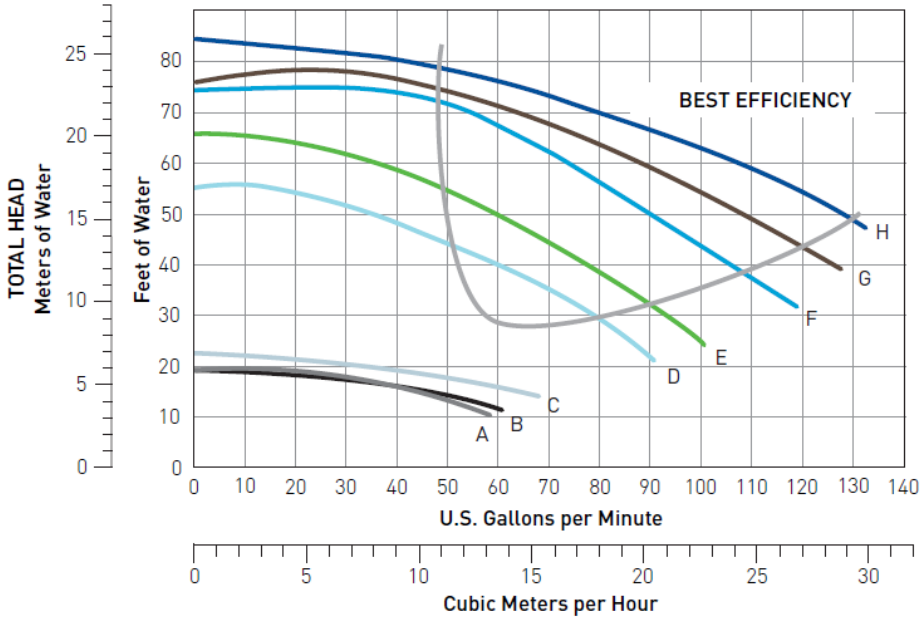
Pump	HP	Curve Key
TPEAE-165L	1	H
TPEAF-166L	1 ½	F
TPEAG-67L	2	C
TPEAAG-168L	2 ½	A
TPRAF-174L	1 ½	G
TPRAG-175L	2	E
TPEAYG-175L (2 SPEED)	2	D, J
TPEAAYG-168L (2 SPEED)	2 ½	B, I



Sta-Rite Dyna-Pro

Sta-Rite	Dyna-Glas/Dyna-Max	

Pump	HP	Curve Key
MPEAA6YGL	3	C
MPRA6D-L MPEA6D-L MPEA6C-L	¾ ¾ ½	D
MPRA6E-L MPEA6E-L MPE6D-L	1 1 ¾	E
MPRA6F-L MPEA6F-L MPRA6YFL MPE6E-L	1 ½ 1 ½ 1 ½ 1	F
MPRA6G-L MPEA6G-L MPEA6YG-L MPE6F-L	2 2 2 1 ½	G
MPEAA6G-L MPEA6YG-L MPE6G-L	2 ½ 2 ½ 2	H
MPRA6YFL (2 speed)	1 ½	A ,F
MPEA6YG-L (2 speed)	2	B, G
MPEA6YG-L (2 speed)	2 ½	C, H

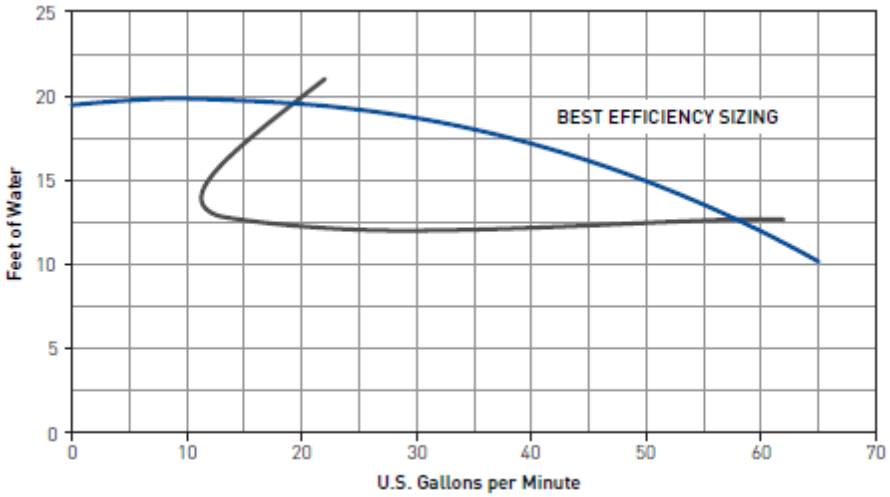


KEY

A. MPRA6YFL
B. MPEA6YGL
C. MPEAA6YGL
D. MPRA6DL/MPEA6DL/MPE6CL
E. MPRA6EL/MPEA6EL/MPE6DL
F. MPRA6FL/MPEA6FL/MPRA6YFL/MPE6EL
G. MPRA6GL/MPEA6GL/MPEA6YGL/MPE6FL
H. MPEAA6GL/MPEAA6YGL/MPE6GL

Sta-Rite Dyna-Wave

Sta-Rite (Currently Pentair)	Dyna-Wave MPRA6B-202L	



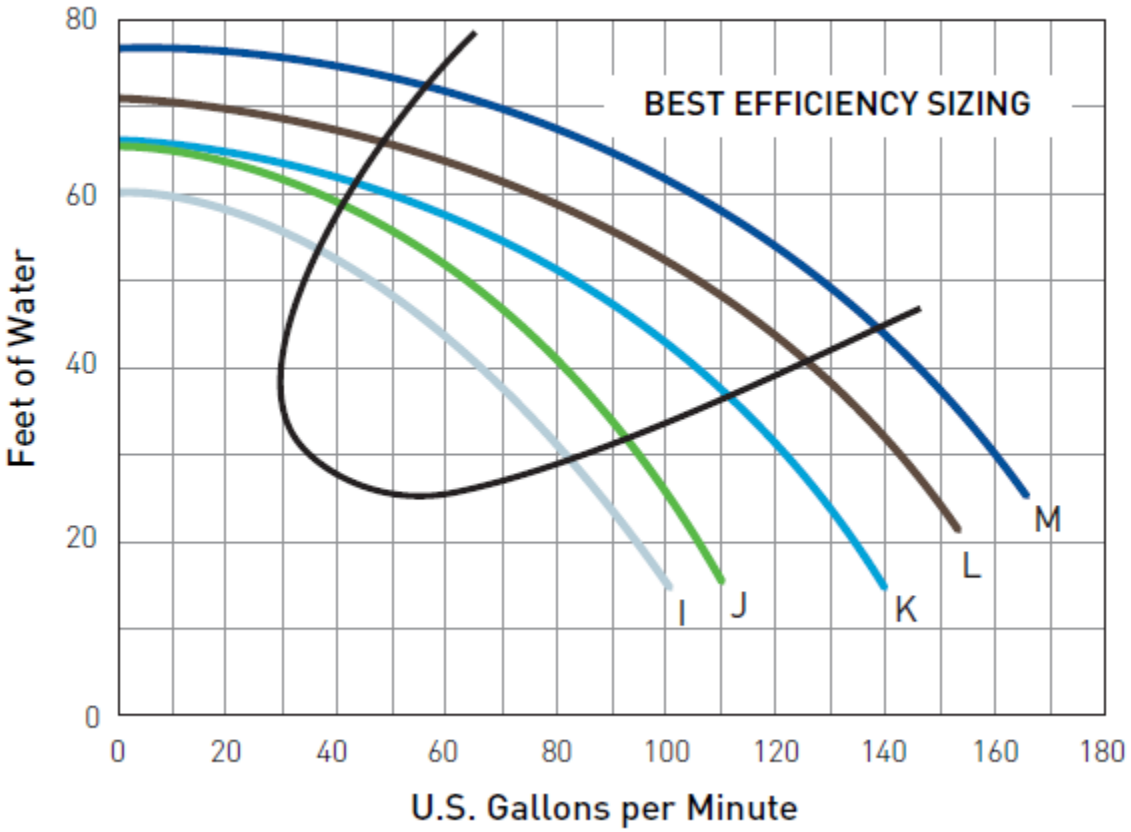
Sta-Rite Max-E-Pro

Sta-Rite (Currently Pentair)	Max-E-Pro	

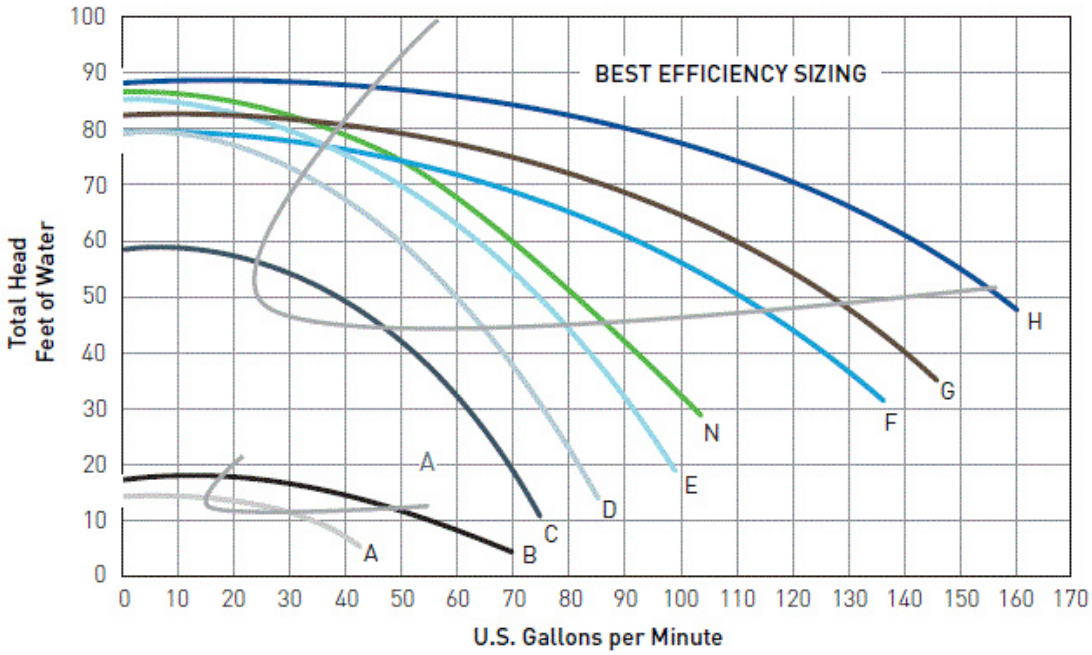
Pump	HP	Curve Key
STANDARD EFFICIENCY SINGLE SPEED UPRATED		
P6RA6E-205L	1	D
P6RA6F-206L	1 ½	E
P6RAA6F-216L	1 ¾	F
P6RA6G-207L	2	F
THREE PHASE TEFC SUPER-DUTY		
345076	1	N
345077	1 ½	F
345078	2	G
345079	3	H
SINGLE SPEED FULL RATED FOR LOW VOLTAGE – 3 PHASE		
P6R62D3-186	¾	D
P6R62E3-187	1	N
P6R62F3-188	1 ½	F
P6R62G3-189	2	G
SINGLE SPEED FULL RATED – 3 PHASE		
P6EA6D36-204	¾	D
P6EA6E36-205	1	N
P6EA6F36-206	1 ½	F
P6EA6G36-207	2	G
P6E6H36-209	3	H
50HZ ENERGY EFFICIENT SINGLE-SPEED		
5P6R6D-209	¾	I
5P6R6E-210	1	J
5P6R6F-211	1 ½	K
5P6R6G-212	2	L
5P6R6H-213	3	M
50 HZ ENERGY EFFICIENT SINGLE SPEED – 3 PHASE		
5P6R6D-209	¾	I
5P6R6E3-210	1	J
5P6R6F3-211	1 ½	K
5P6R6G3-212	2	L
5P6R6H3-213	3	M

60HZ ENERGY EFFICIENT		
P6E6C-204L P6R6C3-204	½ ½	C
P6E6D-205L P6EA6E-205L P6R6D-205L P6R6D3-205	¾ 1 ¾ ¾	D
P6E6E-206L P6EA6F-206L P6R6E-206L	1 1 ½ 1	E
P6E6F-207L P6EAAGF-216L P6EA6G-207L P6R6F-207L P6R6F3-207	1 ½ 1 ¾ 2 1 ½ 1 ½	F
P6E6G-208L P6EAA6G-208L P6R6G-208L P6R6G3-208	2 2 ½ 2 2	G
P6E6H-209L P6R6H-209L P6R6H3-209	3 3 3	H
P6R6E3-206	1	N
ENERGY EFFICIENT TWO SPEED 3450 RPM LOW SPEED		
P6RA6YF-206L (2 PHASE)	1 ½	A, E
P6RA6YG-207L (2 PHASE)	2	B, F

50 Hz Performance Curve



60 Hz Performance Curve

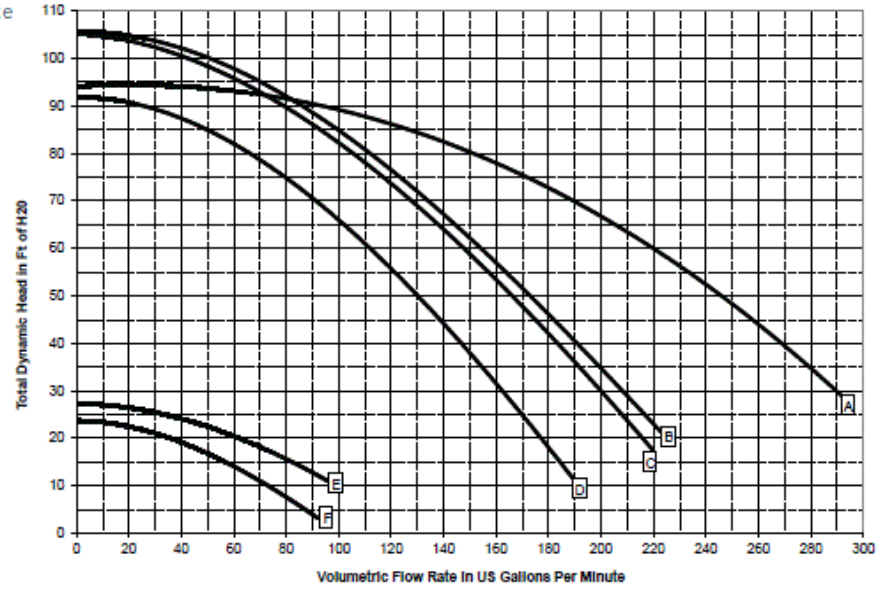


Sta-Rite Max-E-ProXF

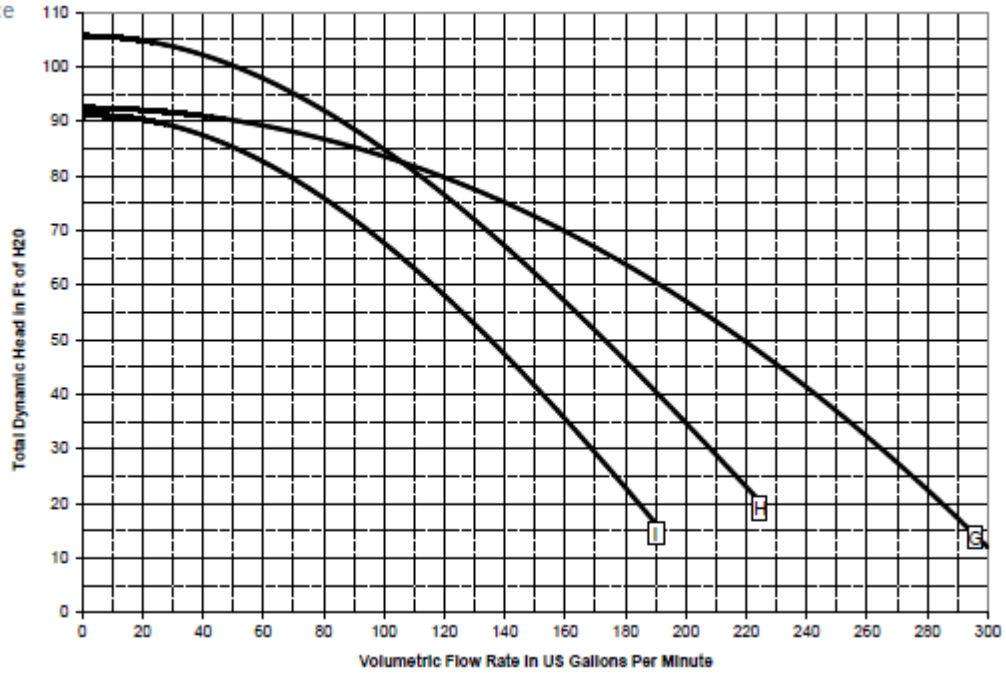
Sta-Rite (Currently Pentair)	Max-E-ProXF	

Pump Model	Product	HP	Pump Curve
XPE-8 XPET-8 XP-8 XP-30 XPE-30	023009 023032 023012 023027 023028	2 2 2 2 ½ 2 ½	D
XPDS-8 XPDS-30	023007 023026	2 2	D, F
XP-12	023013	3	C
XPE-12 XPET-12	023010 023033	3 3	B
XPDS-12	023008	3	C, E
XPE-20 XPET-20	023011 022034	5 5	A
XPK-8	023017	2	I
XPK-12	023018	3	H
XPK-20	023019	5	G

1 & 2-Speed Performance Curve



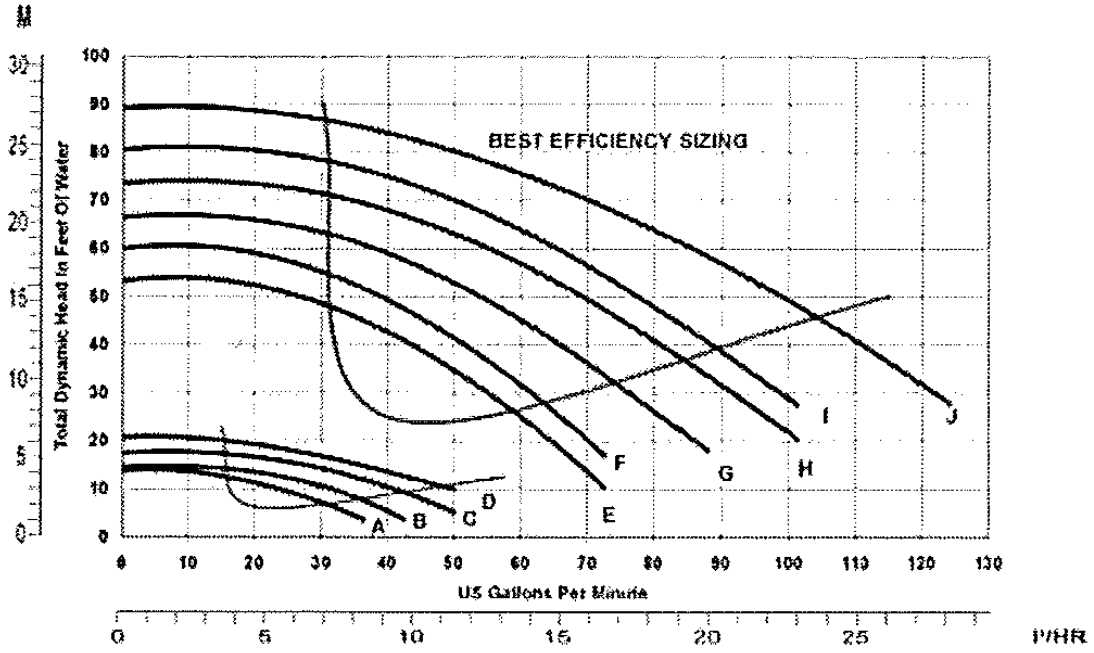
3 Phase Performance Curve



Sta-Rite Supermax

Sta-Rite (Currently Pentair)	Supermax	

Performance Curves



KEY

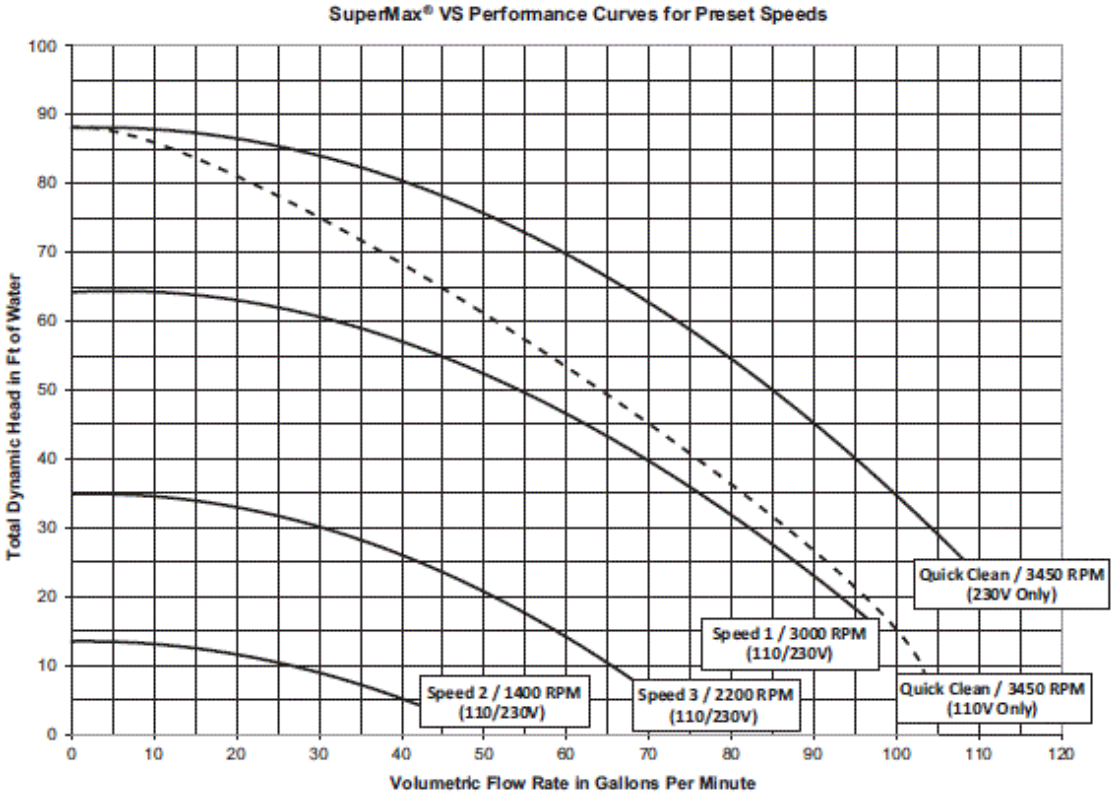
Curve Key	Part Number	HP
E	PHK2E6C	½
F	PHK2E6D	¾
G	PHK2E6E	1
H	PHK2E6F	1½
I	PHK2E6G	2
J	PHK2EAA6G	2½
E	PHK2RA6C	½
F	PHK2RA6D	¾

Curve Key	Part Number	HP
G	PHK2RA6E	1
H	PHK2RA6F	1½
I	PHK2RA6G	2
J	PHK2RAA6G	2½
A, F	PHK2RAY6D	¾
B, G	PHK2RAY6E	1
C, H	PHK2RAY6F	1½
D, I	PHK2RAY6G	2

Pump Model	Product	HP	Pump Curve
N1-1/2AE-HP N1-1/2F-HP	PHK2E6C-100L PHK2RA6C-100L	½	E
N1-3/4AE-HP N1-3/4A-HP	PHK2E6D-101L PHK2RA6D-101L	¾	F
N1-A1-HP N1-1A-HP	PHK2E6E-102L PHK2RA6E-102L	1	G
N1-1 ½AE-HP N1-1 ½A-HP	PHK2E6F-103L PHK2RA6F-103L	1 ½	H
N1-2AE-HP N1-2A-HP	PHK2E6G-104L PHK2RA6G-104L	2	I
N1-2 ½AE-HP N1-2 ½A-HP	PHK2EAA6G-105L PHK2RAA6G-105L	2 ½	J
Two Speed			
N2-3/4A-HP	PHK2RA6CD-101L	¾	A, F
N2-1A-HP	PHK2RAY6E-102L	1	B, G
N2-1 ½A-HP	PHK2RAY6F-103L	1 ½	C, H
N2-2A-HP	PHK2RAY6G-104L	2	D, I

Sta-Rite Supermax VS

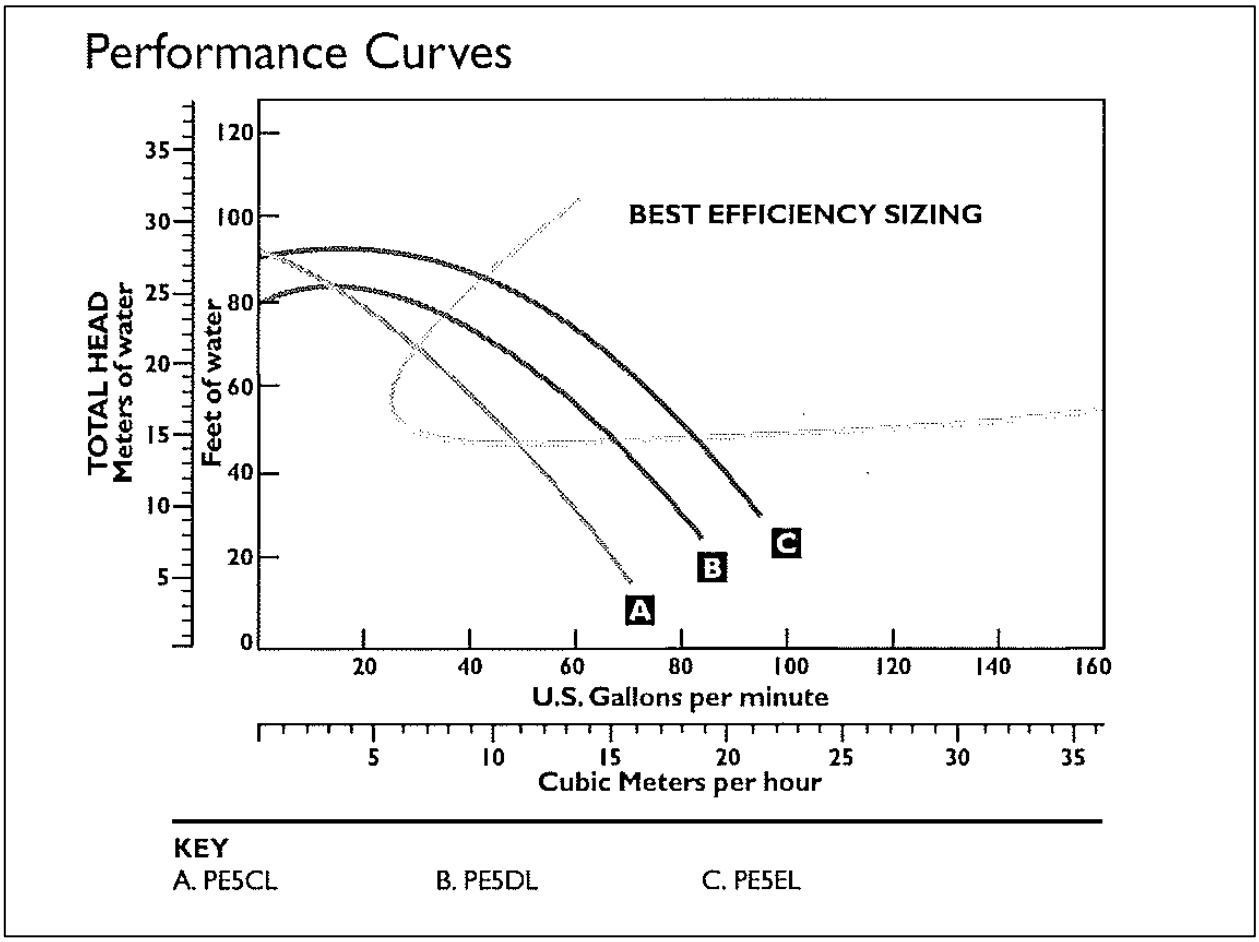
Sta-Rite (Currently Pentair)	Supermax VS 343000 343001	



Sta-Rite Max-E-Glas

Sta-Rite	Max-E-Glas	

Pump	HP	Curve Key
PE5CL	½	A
PE5DL	¾	B
PE5EL	1	C



Sta-Rite Max-E-Glas II

Sta-Rite	Max-E-Glas II	

Pump	HP	Curve Key
P4E6DL/P4EA6EL	¾	A
P4E6EL/P4EA6FL	1	B
P4EAA6FL	1 ¾	C
P4E6FL/P4EA6GL	1 ½	D
P4E6GL/P4EAA6GL	2	E
P4E6HL	3	F