PENTAIR MYERS

DATA SHEET

4" SUBMERSIBLE PUMPS
PREDATOR PLUS SERIES



POWERED BY PENTEK®

NSF/ANSI 61 Drinking Water

Precision engineered, rugged pumps deliver efficient, dependable performance even in rough, aggressive water. Heads to 1,950 feet and capacities to 65 GPM. Built to deliver long term, trouble free service. Floating impeller design resists sand and reduces sand locking. These pumps feature the proven SignaSeal™ staging system.

APPLICATIONS

Water systems for residential, industrial, commercial, multiple housing, and farm use.

SPECIFICATIONS

Shell: Stainless steel.

Diameter: 3-7/8".

Discharge: Stainless steel.

Discharge Bearing: Nylatron®.

Intermediate Bearing: (On larger units) polycarbonate, nitrile rubber and stainless steel.

Impellers: Acetal†.

Diffusers: Polycarbonate.

Suction Caps: Polycarbonate with stainless steel insert.

Thrust Pads: Proprietary specifications.

Shaft and Coupling: Stainless steel.

Intake: Stainless steel.

Intake Screen: Polypropylene.

Cable Guard: Stainless steel.

Check Valve: Acetal.

Agency Listings: CSA.

FEATURES

Proven Staging System: Our proven SignaSeal staging system incorporates a harder-than-sand ceramic wear surface that when incorporated with our floating impeller design, greatly reduces problems with abrasives, sand lock up and running dry.

Discharge: Corrosion resistant 300 grade stainless steel for durability in aggressive water. Large octagon wrench area for ease of installation.

Discharge Bearing: Self lubricating Nylatron bearing resists wear from sand.

Intake: Corrosion resistant 300 grade stainless steel for durability in aggressive water.

Shaft: Positive drive from 7/16" hexagonal heavy-duty 300 grade stainless steel.

Coupling: Stainless steel press fit to pump shaft. Couples to all standard NEMA motors.

Shell: Highest grade, heavy walled corrosion resistant stainless steel. Threaded for easy servicing.

Hardware: All screws, washers and nuts are corrosion resistant 300 grade stainless steel.

Check Valve†: Durable internal spring-loaded check valve.

Cable Guard: Corrosion resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.

Intake Screen: Corrosion proof.

Pentek XE Series Motor: 2 and 3 wire NEMA standard all stainless construction water filled motors.

M9108WS (02-15-23)

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

ORDERING INFORMATION

GPM	MOTOR TYPE	HP	STGS.	PH†	VOLT	ASSEMBLED PUMP			PUMP END			MOTOR		CONTROL BOX	
						CATALOG NUMBER	LENGTH IN.*	WEIGHT LBS.*	CATALOG NUMBER	LENGTH IN.*	WEIGHT LBS.*	CATALOG NUMBER	WEIGHT LBS.*	CATALOG NUMBER	WEIGHT LBS.*
5	2 WIRE	1/2	14	1	115	2ST51-5PLUS-P4	28	28	ST5-5PLUS	18	12	P42B0005A1	19		
		1/2	14	1	230	2ST52-5PLUS-P4	28	28	ST5-5PLUS	18	12	P42B0005A2	19		
		3/4	19	1	230	2ST72-5PLUS-P4	33	34	ST7-5PLUS	22	15	P42B0007A2	23		
		1	22	1	230	2ST102-5PLUS-P4	37	39	ST10-5PLUS	26	17	P42B0010A2	25		
		1-1/2	30	1	230	2ST152-5PLUS-P4	47	51	ST15-5PLUS	32	21	P42B0015A2	29		
	3 WIRE	1/2	13	1	115	3ST51-5PLUS-P4	27-1/2	28	ST5-5PLUS	18	12	P43B0005A1	19	SMC-IR0511	4
		1/2	14	1	230	3ST52-5PLUS-P4	28	28	ST5-5PLUS	18	12	P43B0005A2	18	SMC-CR0521	4
		3/4	19	1	230	3ST72-5PLUS-P4	33	34	ST7-5PLUS	22	15	P43B0007A2	21	SMC-CR0721	4
		1	22	1	230	3ST102-5PLUS-P4	38	39	ST10-5PLUS	26	17	P43B0010A2	23	SMC-CR1021	4
		1-1/2	30	1	230	3ST152-5PLUS-P4	46	48	ST15-5PLUS	32	21	P43B0015A2	27	SMC-CR1521	7
		1-1/2	30	3	230				ST15-5PLUS	32	21	P43B0015A3	23		
		1-1/2	30	3	460				ST15-5PLUS	32	21	P43B0015A4	23		
		2	38	1	230				ST20-5PLUS	37-3/4	25	P43B0020A2	31	SMC-CR2021	7
		2	38	3	230				ST20-5PLUS	37-3/4	25	P43B0020A3	23		
		2	38	3	460				ST20-5PLUS	37-3/4	25	P43B0020A4	23		
7/8	2 WIRE	1/2	11	1	115	2ST51-8PLUS-P4	26	27	ST5-8PLUS	16	11	P42B0005A1	19		
		1/2	11	1	230	2ST52-8PLUS-P4	26	27	ST5-8PLUS	16	11	P42B0005A2	19		
		3/4	15	1	230	2ST72-8PLUS-P4	30	32	ST7-8PLUS	19	13	P42B0007A2	23		
		1	18	1	230	2ST102-8PLUS-P4	34	37	ST10-8PLUS	22	15	P42B0010A2	25		
		1-1/2	22	1	230	2ST152-8PLUS-P4	43	47	ST15-8PLUS	28	17	P42B0015A2	29		
	3 WIRE	1/2	10	1	115	3ST51-8PLUS-P4	25-1/2	27	ST5-8PLUS	16	11	P43B0005A1	19	SMC-IR0511	4
		1/2	11	1	230	3ST52-8PLUS-P4	26	27	ST5-8PLUS	16	11	P43B0005A2	18	SMC-CR0521	4
		3/4	15	1	230	3ST72-8PLUS-P4	30	32	ST7-8PLUS	19	13	P43B0007A2	21	SMC-CR0721	4
		1	18	1	230	3ST102-8PLUS-P4	34	37	ST10-8PLUS	22	15	P43B0010A2	23	SMC-CR1021	4
		1-1/2	22	1	230	3ST152-8PLUS-P4	42	44	ST15-8PLUS	28	17	P43B0015A2	27	SMC-CR1521	7
		1-1/2	22	3	230				ST15-8PLUS	27-1/4	17	P43B0015A3	23		
		1-1/2	22	3	460				ST15-8PLUS	27-1/4	17	P43B0015A4	23		
		2	28	1	230				ST20-8PLUS	32-1/2	20	P43B0020A2	31	SMC-CR2021	7
		2	28	3	230				ST20-8PLUS	32-1/2	20	P43B0020A3	27		
		2	28	3	460				ST20-8PLUS	32-1/2	20	P43B0020A4	27		
		3	36	1	230				ST30-8PLUS	39-1/2	24	P43B0030A2	37	SMC-CR3021	8
		3	36	3	230				ST30-8PLUS	39-1/2	24	P43B0030A3	37		
		3	36	3	460				ST30-8PLUS	39-1/2	24	P43B0030A4	37		

†Please refer to the Pentek XE Series data for all three-phase motor options.

*Length and Weight are approximate.

TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter is 3-7/8".

NOTE: Motor, Control Box or Magnetic Starter must be ordered separately, if ordering pump end only. Discharge NPT is 1-1/4".

ORDERING INFORMATION

GPM	MOTOR TYPE	HP	STGS.	PH†	VOLT	ASSEMBLED PUMP			PUMP END			MOTOR		CONTROL BOX	
						CATALOG NUMBER	LENGTH INCHES*	WEIGHT POUNDS*	CATALOG NUMBER	LENGTH INCHES*	WEIGHT POUNDS*	CATALOG NUMBER	WEIGHT POUNDS*	CATALOG NUMBER	WEIGHT POUNDS*
	2 WIRE	1/2	8	1	115	2ST51-12PLUS-P4	23	28	ST5-12PLUS	13	9	P42B0005A1	19		
		1/2	8	1	230	2ST52-12PLUS-P4	23	28	ST5-12PLUS	13	9	P42B0005A2	19		
		3/4	11	1	230	2ST72-12PLUS-P4	26	31	ST7-12PLUS	15	10	P42B0007A2	23		
		1	13	1	230	2ST102-12PLUS-P4	29	35	ST10-12PLUS	17	11	P42B0010A2	25		
		1-1/2	17	1	230	2ST152-12PLUS-P4	35	42	ST15-12PLUS	20	12	P42B0015A2	29		
	3 WIRE	1/2	7	1	115	3ST51-12PLUS-P4	22-3/4	27-1/2	ST5-12PLUS	12-3/4	9	P43B0005A1	19	SMC-IR0511	4
		1/2	8	1	230	3ST52-12PLUS-P4	23	28	ST5-12PLUS	13	9	P43B0005A2	19	SMC-CR0521	4
		3/4	11	1	230	3ST72-12PLUS-P4	26	31	ST7-12PLUS	15	10	P43B0007A2	21	SMC-CR0721	4
		1	13	1	230	3ST102-12PLUS-P4	29	35	ST10-12PLUS	17	11	P43B0010A2	23	SMC-CR1021	4
		1-1/2	17	1	230	3ST152-12PLUS-P4	34	42	ST15-12PLUS	20	12	P43B0015A2	27	SMC-CR1521	7
10/12**		1-1/2	17	3	230				ST15-12PLUS	19-3/4	12-1/2	P43B0015A3	23		
		1-1/2	17	3	460				ST15-12PLUS	19-3/4	12-1/2	P43B0015A4	23		
		2	22	1	230				ST20-12PLUS	22	13-3/4	P43B0020A2	31	SMC-CR2021	7
		2	22	3	230				ST20-12PLUS	22	13-3/4	P43B0020A3	23		
		2	22	3	460				ST20-12PLUS	22	13-3/4	P43B0020A4	23		
		3	30	1	230				ST30-12PLUS	22	16-3/4	P43B0030A2	40	SMC-CR3021	8
		3	30	3	230				ST30-12PLUS	28	16-3/4	P43B0030A3	32		
		3	30	3	460				ST30-12PLUS	28	16-3/4	P43B0030A4	32		
		5	50	1	230				ST50-12PLUS	43-1/2	25-1/2	P43B0050A2	70	SMC-CR5021	12
		5	50	3	230				ST50-12PLUS	43-1/2	25-1/2	P43B0050A3	55		
		5	50	3	460				ST50-12PLUS	43-1/2	25-1/2	P43B0050A4	55		
	2 WIRE	1/2	6	1	115	2ST51-15PLUS-P4	23	27	ST5-15PLUS	13	9	P42B0005A1	19		
		1/2	6	1	230	2ST52-15PLUS-P4	23	27	ST5-15PLUS	13	9	P42B0005A2	19		
		3/4	8	1	230	2ST72-15PLUS-P4	26	31	ST7-15PLUS	15	10	P42B0007A2	23		
		1	10	1	230	2ST102-15PLUS-P4	30	35	ST10-15PLUS	17	11	P42B0010A2	25		
		1-1/2	12	1	230	2ST152-15PLUS-P4	36	43	ST15-15PLUS	21	13	P42B0015A2	29		
	3 WIRE	1/2	5	1	115	3ST51-15PLUS-P4	22-1/4	27	ST5-15PLUS	12-1/4	9	P43B0005A1	19	SMC-IR0511	4
		1/2	6	1	230	3ST52-15PLUS-P4	23	27	ST5-15PLUS	13	9	P43B0005A2	19	SMC-CR0521	4
		3/4	8	1	230	3ST72-15PLUS-P4	26	31	ST7-15PLUS	15	10	P43B0007A2	23	SMC-CR0721	4
		1	10	1	230	3ST102-15PLUS-P4	30	35	ST10-15PLUS	17	11	P43B0010A2	25	SMC-CR1021	4
15**		1-1/2	12	1	230	3ST152-15PLUS-P4	34	41	ST15-15PLUS	21	13	P43B0015A2	29	SMC-CR1521	7
		1-1/2	12	3	230				ST15-15PLUS	20-1/4	13	P43B0015A3	23		
		1-1/2	12	3	460				ST15-15PLUS	20-1/4	13	P43B0015A4	23		
		2	15	1	230				ST20-15PLUS	23-1/2	15	P43B0020A2	31	SMC-CR2021	7
		2	15	3	230				ST20-15PLUS	23-1/2	15	P43B0020A3	23		
		2	15	3	460				ST20-15PLUS	23-1/2	15	P43B0020A4	23		
		3	22	1	230				ST30-15PLUS	31-1/4	18	P43B0030A2	40	SMC-CR3021	7
		3	22	3	230				ST30-15PLUS	31-1/4	18	P43B0030A3	32		
		3	22	3	460				ST30-15PLUS	31-1/4	18	P43B0030A4	32		

†Please refer to the Pentek XE Series data for all three-phase motor options.

*Length and Weight are approximate.

**For 10 GPM, 15 GPM and 20 GPM discharge is 1-1/4" NPT.

***For 30 GPM and 50 GPM discharge is 2" NPT.

NOTE: On 2 HP and larger – Pump, Motor, Control Box or Magnetic Starter must be ordered separately.
†Check Valve not included on 5 HP, 7-1/2 HP and 10 HP models. Check Valve not included on 50 GPM models.
TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter on all models is 3-7/8".

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

ORDERING INFORMATION

GPM	MOTOR TYPE	HP	STGS.	PH†	VOLT	ASSEMBLED PUMP			PUMP END			MOTOR		CONTROL BOX	
						CATALOG NUMBER	LENGTH INCHES*	WEIGHT POUNDS*	CATALOG NUMBER	LENGTH INCHES*	WEIGHT POUNDS*	CATALOG NUMBER	WEIGHT POUNDS*	CATALOG NUMBER	WEIGHT POUNDS*
20**	2 WIRE	3/4	6	1	230	2ST72-20PLUS-P4	24	30	ST7-20PLUS	13	9	P42B0007A2	23		
		1	7	1	230	2ST102-20PLUS-P4	28	34	ST10-20PLUS	15	10	P42B0010A2	25		
		1-1/2	10	1	230	2ST152-20PLUS-P4	32	39	ST15-20PLUS	17	11	P42B0015A2	29		
	3 WIRE	3/4	6	1	230	3ST72-20PLUS-P4	24	30	ST7-20PLUS	13	9	P43B0007A2	23	SMC-CR0721	5
		1	7	1	230	3ST102-20PLUS-P4	28	34	ST10-20PLUS	15	10	P43B0010A2	25	SMC-CR1021	5
		1-1/2	10	1	230	3ST152-20PLUS-P4	31	39	ST15-20PLUS	17	11	P43B0015A2	29	SMC-CR1521	7
		1-1/2	9	3	230				ST15-20PLUS	16-3/4	10-3/4	P43B0015A3	23		
		1-1/2	9	3	460				ST15-20PLUS	16-3/4	10-3/4	P43B0015A4	23		
		2	12	1	230				ST20-20PLUS	20-1/4	12-1/2	P43B0020A2	31	SMC-CR2021	7
		2	12	3	230				ST20-20PLUS	20-1/4	12-1/2	P43B0020A3	32		
		2	12	3	460				ST20-20PLUS	20-1/4	12-1/2	P43B0020A4	32		
		3	17	1	230				ST30-20PLUS	25-3/4	15	P43B0030A2	40	SMC-CR3021	7
		3	17	3	230				ST30-20PLUS	25-3/4	15	P43B0030A3	32		
		3	17	3	460				ST30-20PLUS	25-3/4	15	P43B0030A4	32		
		5	28	1	230				ST50-20PLUS	38	21	P43B0050A2	70	SMC-CR5021	8
		5	28	3	230				ST50-20PLUS	38	21	P43B0050A3	55		
		5	28	3	460				ST50-20PLUS	38	21	P43B0050A4	55		
		7-1/2	40	3	230				ST75-20PLUS	53-3/4	30	P43B0075A3	70		
		7-1/2	40	3	460				ST75-20PLUS	53-3/4	30	P43B0075A4	70		
		10	54	3	460				ST100-20PLUS	71	41	P43B0100A4	78		
30***	2 WIRE	1	5	1	230	2ST102-30PLUS-P4	26-1/2	35	ST10-30PLUS	14	9-3/4	P42B0010A2	25		
		1-1/2	6	1	230	2ST152-30PLUS-P4	30-1/2	39	ST15-30PLUS	15-1/4	10-3/4	P42B0015A2	29		
	3 WIRE	1	5	1	230	3ST102-30PLUS-P4	26-1/2	35	ST10-30PLUS	14	10	P43B0010A2	25	SMC-CR1021	5
		1-1/2	6	1	230	3ST152-30PLUS-P4	29	39	ST15-30PLUS	15-1/4	11	P43B0015A2	29	SMC-CR-1521	7
		1-1/2	6	3	230				ST15-30PLUS	15-1/4	11	P43B0015A3	23		
		1-1/2	6	3	460				ST15-30PLUS	15-1/4	11	P43B0015A4	23		
		2	8	1	230				ST20-30PLUS	18-1/4	12	P43B0020A2	31	SMC-CR2021	7
		2	8	3	230				ST20-30PLUS	18-1/4	12	P43B0020A3	23		
		2	8	3	460				ST20-30PLUS	18-1/4	12	P43B0020A4	23		
		3	12	1	230				ST30-30PLUS	24	15	P43B0030A2	40	SMC-CR3021	7
		3	12	3	230				ST30-30PLUS	24	15	P43B0030A3	32		
		3	12	3	460				ST30-30PLUS	24	15	P43B0030A4	32		
		5	20	1	230				ST50-30PLUS	35-3/4	20	P43B0050A2	70	SMC-CR5021	8
		5	20	3	230				ST50-30PLUS	35-3/4	20	P43B0050A3	55		
		5	20	3	460				ST50-30PLUS	35-3/4	20	P43B0050A4	55		
		7-1/2	28	3	230				ST75-30PLUS	50	27	P43B0075A3	70		
		7-1/2	28	3	460				ST75-30PLUS	50	27	P43B0075A4	70		
		10	38	3	460				ST100-30PLUS	65-1/2	35	P43B0100A4	70		

†Please refer to the Pentek XE Series data for all three-phase motor options.

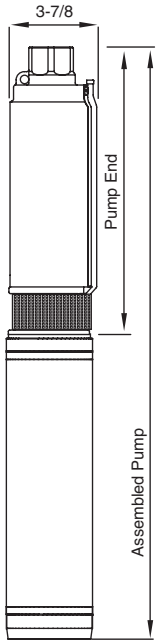
*Length and Weight are approximate.

**For 10 GPM, 15 GPM and 20 GPM discharge is 1-1/4" NPT.

***For 30 GPM and 50 GPM discharge is 2" NPT.

NOTE: On 2 HP and larger – Pump, Motor, Control Box or Magnetic Starter must be ordered separately.
†Check Valve not included on 5 HP, 7-1/2 HP and 10 HP models.
TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter on all models is 3-7/8".

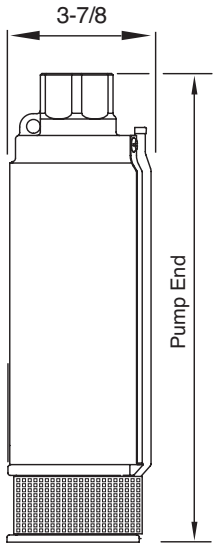
OUTLINE DIMENSIONS: 5, 7/8, 10/12, 15 AND 20 GPM



DISCHARGE	
5 GPM	1-1/4" NPT
7/8 GPM	1-1/4" NPT
10/12 GPM	1-1/4" NPT
15 GPM	1-1/4" NPT
20 GPM	1-1/4" NPT

For lengths, refer to Ordering Information tables.
Dimensions (in inches) are for estimating purposes only.
NOTE: 5 and 7/8 GPM models are the smaller 3-3/4" diameter TrimLine

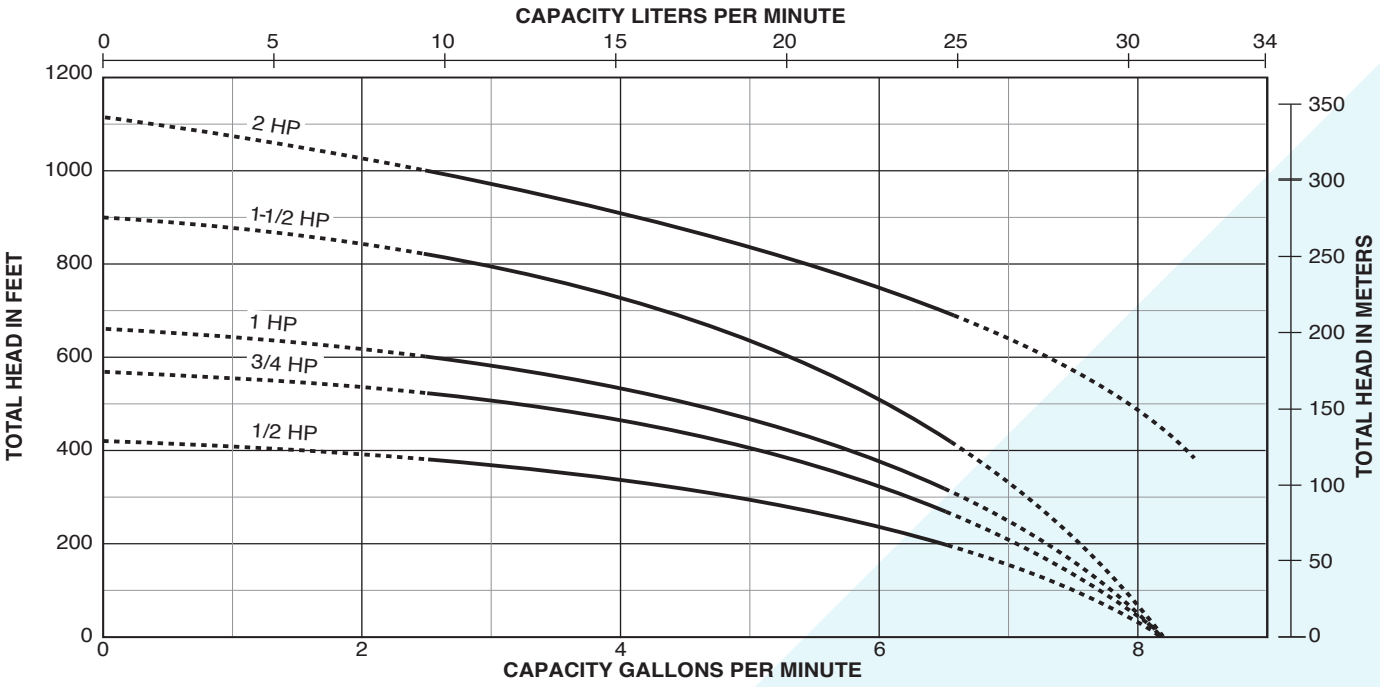
OUTLINE DIMENSIONS: 30 GPM



DISCHARGE	
30 GPM	2" NPT

Pump diameter is 3-7/8".
For lengths, refer to Ordering Information tables.
Dimensions (in inches) are for estimating purposes only.

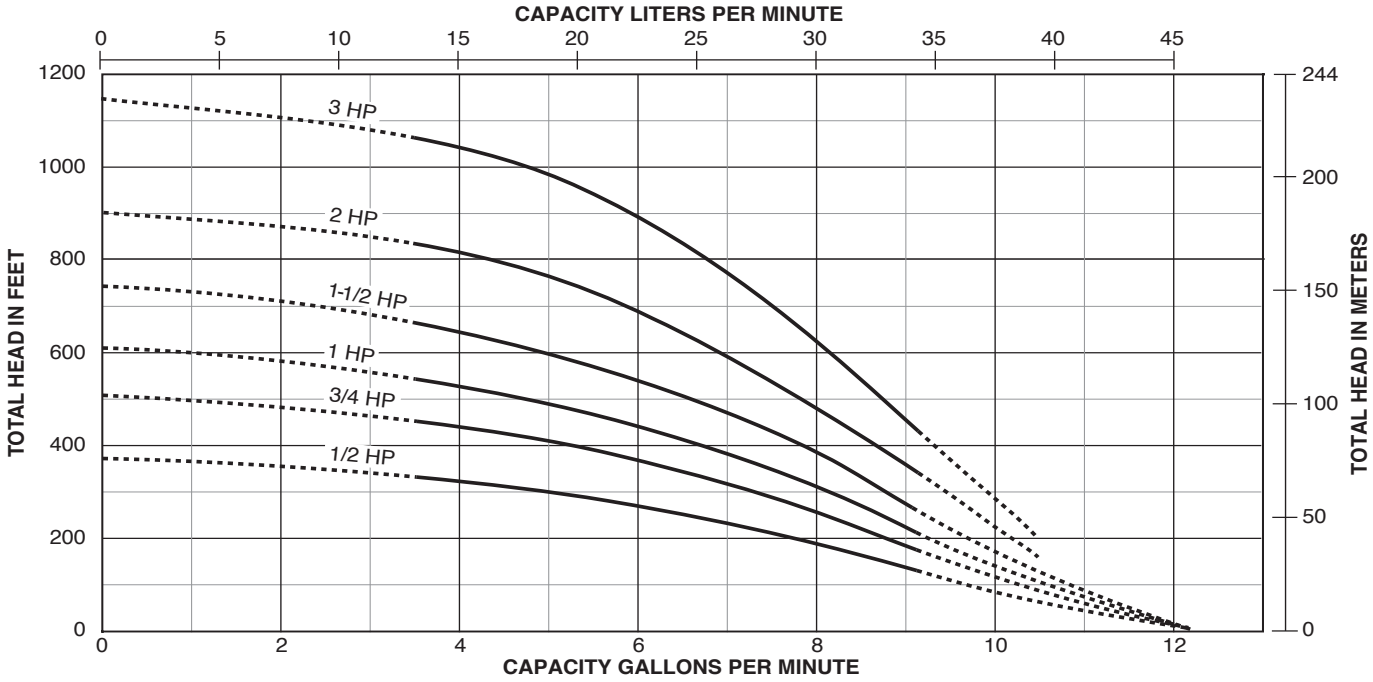
PUMP PERFORMANCE: 5 GPM



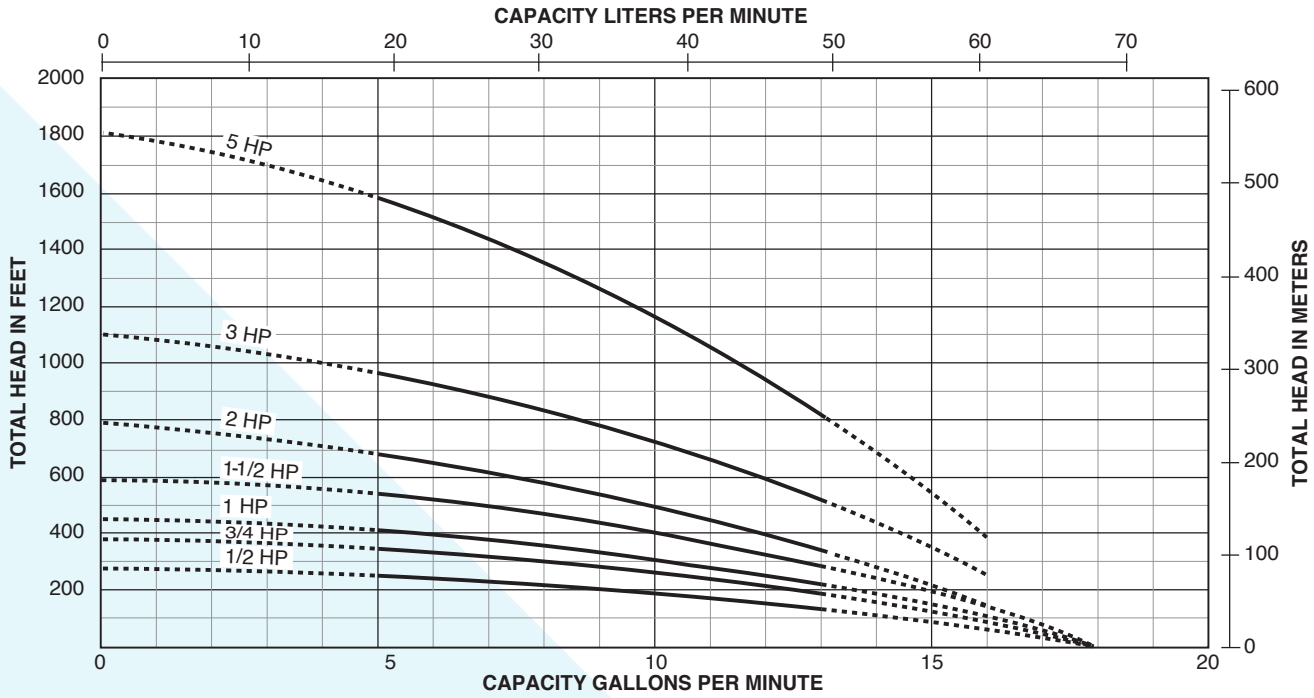
Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

PUMP PERFORMANCE: 7/8 GPM



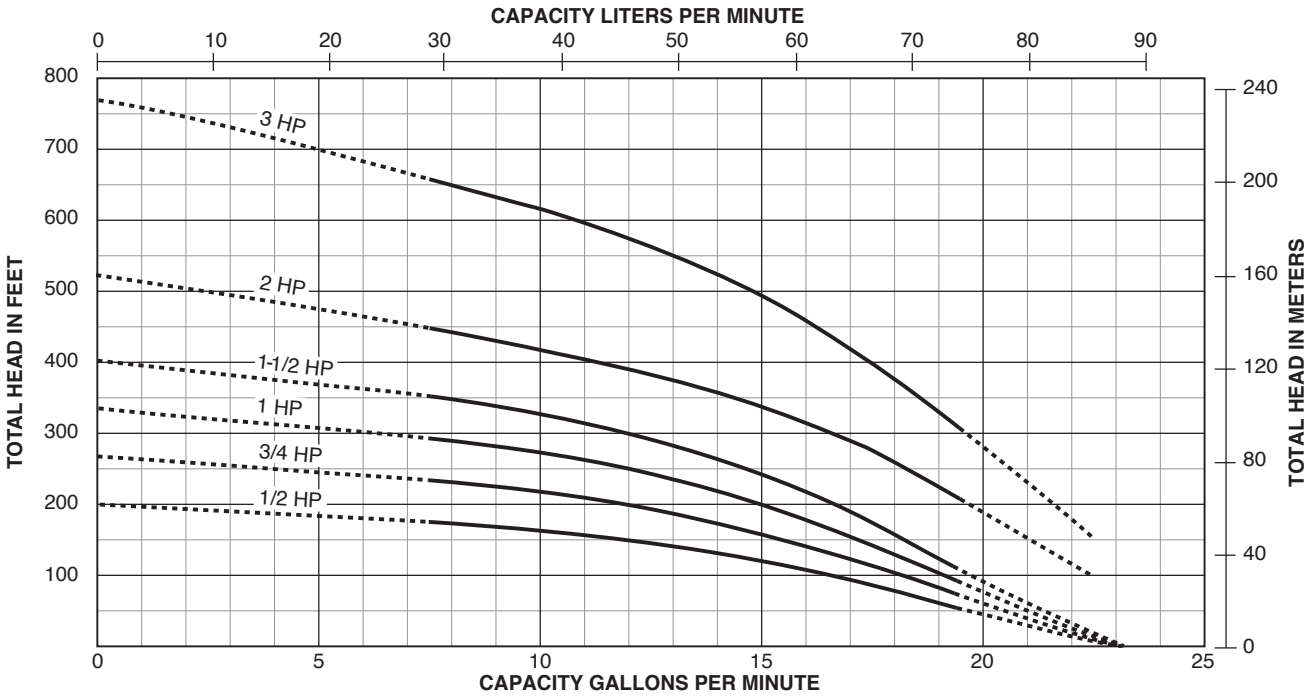
PUMP PERFORMANCE: 10/12 GPM



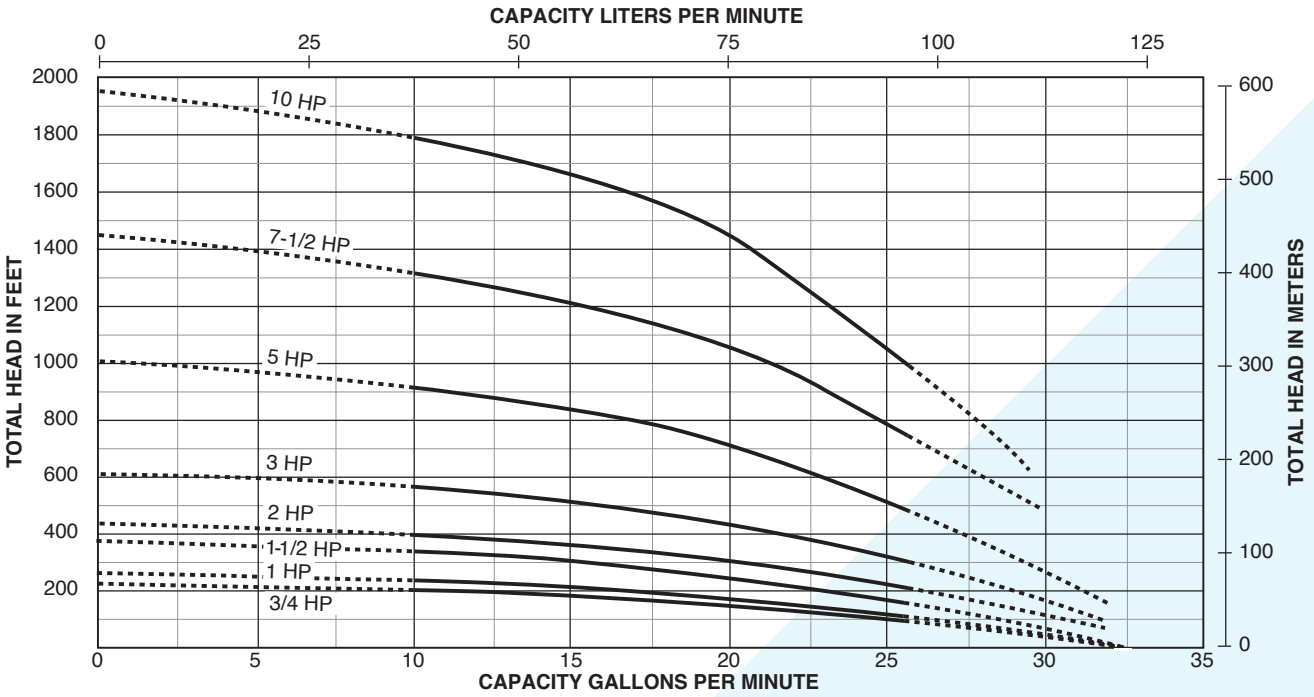
Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

PUMP PERFORMANCE: 15 GPM



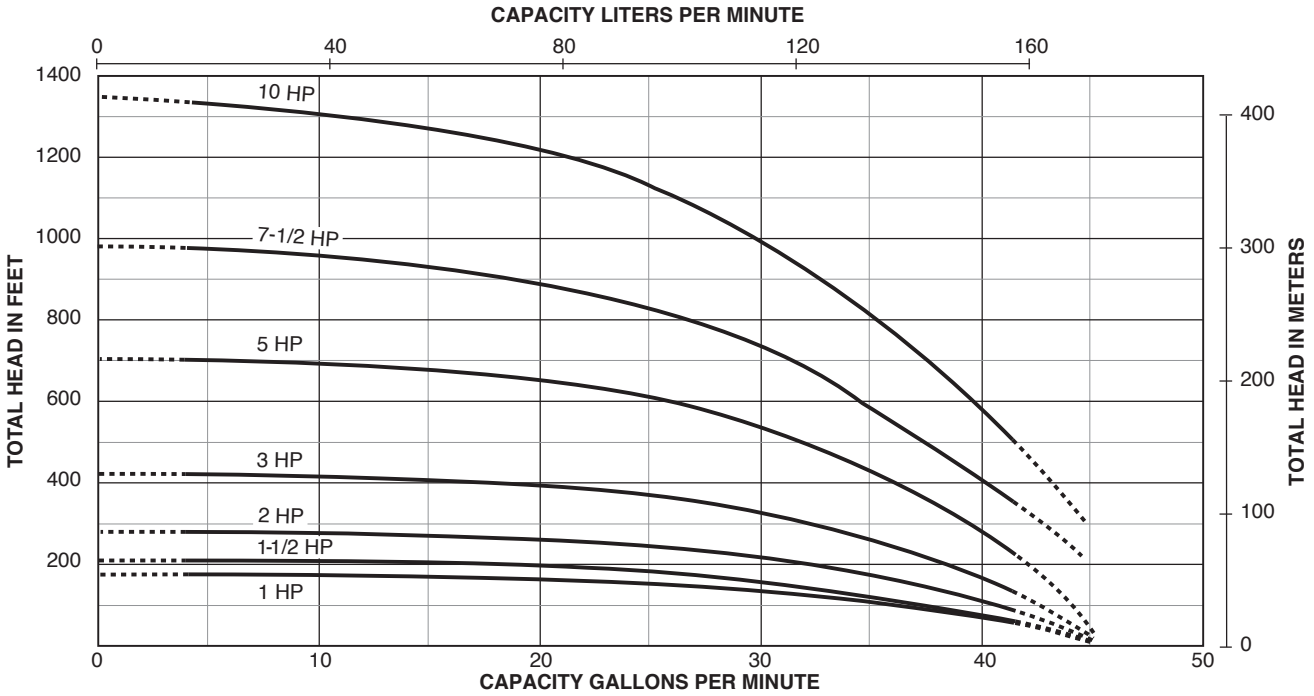
PUMP PERFORMANCE: 20 GPM



Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

PUMP PERFORMANCE: 30 GPM



Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

5 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

HP	PSI	PUMPING DEPTH IN FEET																														SHUT—OFF HEAD	
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	500	550	600	650	700	750	800	850	FEET	PSI
1/2	0	–	–	–	–	–	–	–	7.3	7.0	6.8	6.5	6.2	5.9	5.6	5.2	4.9	4.4	4.0	3.5	2.9	2.1										421	182
	20	–	–	–	–	7.5	7.2	7.0	6.7	6.4	6.1	5.8	5.5	5.1	4.7	4.3	3.9	3.3	2.7	1.7													
	30	–	–	–	7.4	7.2	6.9	6.6	6.4	6.1	5.7	5.4	5.1	4.7	4.2	3.8	3.2	2.5	1.5														
	40	–	–	7.4	7.1	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.6	4.2	3.7	3.1	2.4	1.3															
	50	–	7.4	7.1	6.8	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.1	3.6	3.0	2.3	1.0																
	60	7.3	7.1	6.8	6.5	6.2	5.9	5.6	5.3	4.9	4.5	4.0	3.5	2.9	2.1																	
	70	7.0	6.8	6.5	6.2	5.9	5.5	5.2	4.8	4.4	4.0	3.4	2.8	2.0																		
	80	6.7	6.4	6.1	5.8	5.5	5.1	4.8	4.3	3.9	3.4	2.7	1.8																			
3/4	0	–	–	–	–	–	–	–	–	–	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.7	5.5	5.2	5.0	4.2	3.2	1.8							571	247
	20	–	–	–	–	–	–	–	7.3	7.1	7.0	6.8	6.6	6.3	6.1	5.9	5.7	5.4	5.1	4.9	4.6	4.3	3.3	2.0									
	30	–	–	–	–	–	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4	5.1	4.8	4.5	4.2	3.9	2.8										
	40	–	–	–	–	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.3	5.1	4.8	4.5	4.2	3.8	3.4	2.1										
	50	–	–	–	7.4	7.3	7.1	6.9	6.7	6.5	6.2	6.0	5.8	5.5	5.3	5.0	4.7	4.4	4.1	3.7	3.3	2.9											
	60	–	–	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.7	5.5	5.2	5.0	4.7	4.4	4.1	3.7	3.3	2.8	2.2											
	70	–	7.4	7.2	7.0	6.8	6.6	6.4	6.2	5.9	5.7	5.5	5.2	4.9	4.6	4.3	4.0	3.6	3.2	2.7	2.1	1.2											
	80	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9	5.7	5.4	5.2	4.9	4.6	4.3	3.9	3.6	3.1	2.6	2.0													
1	0	–	–	–	–	–	–	–	–	–	–	7.5	7.3	7.1	7.0	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.1	4.5	3.8	2.8	1.2					661	286
	20	–	–	–	–	–	–	–	–	7.4	7.3	7.1	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.5	3.8	2.9	1.4							
	30	–	–	–	–	–	–	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.3	5.1	4.9	4.2	3.4	2.3								
	40	–	–	–	–	–	7.5	7.4	7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.6	3.9	3.0	1.6								
	50	–	–	–	–	7.5	7.3	7.2	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.0	4.8	4.5	4.3	3.5	2.4									
	60	–	–	–	7.5	7.3	7.2	7.0	6.8	6.6	6.5	6.3	6.1	5.9	5.7	5.5	5.2	5.0	4.8	4.5	4.2	3.9	3.1	1.7									
	70	–	–	7.4	7.3	7.1	7.0	6.8	6.6	6.4	6.2	6.1	5.9	5.6	5.4	5.2	5.0	4.7	4.5	4.2	3.9	3.6	2.5										
	80	–	7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	4.9	4.7	4.4	4.1	3.8	3.5	3.1	1.9										
1-1/2	0	–	–	–	–	–	–	–	–	–	–	–	–	–	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.4	6.0	5.6	5.2	4.8	4.3	3.8	3.1	2.2	901	390
	20	–	–	–	–	–	–	–	–	–	–	–	7.5	7.4	7.3	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.0	5.7	5.3	4.8	4.3	3.8	3.2	2.3			
	30	–	–	–	–	–	–	–	–	–	–	7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	5.9	5.5	5.1	4.6	4.1	3.5	2.8	1.8			
	40	–	–	–	–	–	–	–	–	–	7.5	7.3	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.1	5.7	5.3	4.9	4.4	3.8	3.2	2.4				
	50	–	–	–	–	–	–	7.7	7.6	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.6	6.5	6.3	6.2	6.0	5.9	5.5	5.1	4.6	4.1	3.6	2.9	1.9				
	60	–	–	–	–	–	–	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.7	5.3	4.9	4.4	3.9	3.3	2.5					
	70	–	–	–	–	–	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.1	4.7	4.2	3.6	2.9	2.0					
	80	–	–	–	–	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.4	4.9	4.5	3.9	3.3	2.5	1.3					

HP	PSI	PUMPING DEPTH IN FEET																												SHUT-OFF HEAD	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	FEET	PSI
2	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7.0	6.8	6.5	6.2	5.9	5.5	5.0	4.5	4.0	3.3	2.4	1.5	1120	485
	20	–	–	–	–	–	–	–	–	–	–	–	–	–	7.0	6.8	6.5	6.2	5.9	5.5	5.0	4.5	4.0	3.3	2.4	1.5			
	30	–	–	–	–	–	–	–	–	–	–	–	–	7.2	6.9	6.6	6.3	6.0	5.7	5.2	4.8	4.3	3.7	2.9	2.1	1.1			
	40	–	–	–	–	–	–	–	–	–	–	–	7.3	7.0	6.8	6.5	6.2	5.9	5.5	5.0	4.5	4.0	3.3	2.4	1.5				
	50	–	–	–	–	–	–	–	–	–	–	7.4	7.2	6.9	6.6	6.4	6.1	5.8	5.4	4.9	4.4	3.9	3.1	2.2	1.2				
	60	–	–	–	–	–	–	–	–	–	–	7.3	7.1	6.8	6.5	6.2	6.0	5.6	5.1	4.6	4.1	3.2	2.5	1.6					

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty is void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

7/8 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

HP	PSI	PUMPING DEPTH IN FEET																												SHUT-OFF HEAD	
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	500	550	600	650	700	FEET	PSI
1/2	0	–	11.0	10.7	10.4	10.0	9.7	9.3	8.9	8.6	8.1	7.7	7.2	6.7	6.2	5.6	5.0	4.2	3.3										372	161
	20	10.6	10.3	9.9	9.6	9.2	8.8	8.4	8.0	7.6	7.1	6.6	6.0	5.4	4.7	3.9	2.9													
	30	10.2	9.9	9.5	9.2	8.8	8.4	7.9	7.5	7.0	6.5	5.9	5.3	4.6	3.8	2.7														
	40	9.8	9.5	9.1	8.7	8.3	7.9	7.4	6.9	6.4	5.9	5.2	4.5	3.7	2.5															
	50	9.4	9.0	8.6	8.2	7.8	7.3	6.9	6.3	5.8	5.1	4.4	3.5	2.3																
	60	9.0	8.6	8.2	7.7	7.3	6.8	6.2	5.7	5.0	4.3	3.3	2.0																	
	70	8.5	8.1	7.7	7.2	6.7	6.2	5.6	4.9	4.1	3.2																			
	80	8.0	7.6	7.1	6.6	6.1	5.5	4.8	4.0	3.0																				
3/4	0	–	–	10.9	10.6	10.4	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.2	6.9	6.5	6.1	5.7	5.2	3.8						507	220
	20	10.8	10.6	10.3	10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5	7.1	6.8	6.4	6.0	5.5	5.0	4.5	3.9								
	30	10.5	10.3	10.0	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.7	6.3	5.9	5.5	5.0	4.4	3.8	3.0								
	40	10.2	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.4	7.0	6.6	6.3	5.8	5.4	4.9	4.3	3.7	2.9									
	50	10.0	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.6	6.2	5.8	5.3	4.8	4.2	3.6	2.8										
	60	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3	6.9	6.5	6.1	5.7	5.2	4.7	4.1	3.5	2.6											
	70	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.2	6.8	6.5	6.1	5.6	5.2	4.6	4.0	3.3	2.5												
	80	9.0	8.8	8.5	8.2	7.8	7.5	7.2	6.8	6.4	6.0	5.6	5.1	4.5	3.9	3.2	2.3													
1	0	–	–	11.0	10.8	10.6	10.4	10.2	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.2	6.9	6.6	5.8	4.8	3.5				608	263
	20	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.1	6.8	6.5	6.2	5.8	4.9	3.6						
	30	10.7	10.5	10.3	10.1	9.8	9.6	9.4	9.2	8.9	8.7	8.5	8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.8	5.4	4.3	2.8						
	40	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.8	6.4	6.1	5.7	5.3	4.9	3.7							
	50	10.2	10.0	9.8	9.6	9.3	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.4	3.0							
	60	10.0	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.7	6.3	6.0	5.6	5.2	4.8	4.3	3.8								
	70	9.7	9.5	9.3	9.0	8.8	8.6	8.3	8.0	7.8	7.5	7.2	6.9	6.6	6.3	5.9	5.6	5.2	4.7	4.3	3.7	3.1								
	80	9.5	9.2	9.0	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.9	6.6	6.2	5.9	5.5	5.1	4.7	4.2	3.6	3.0	2.1								
1-1/2	0	–	–	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.8	8.6	8.3	8.1	7.9	7.7	7.1	6.5	5.8	5.0	4.0	2.7	744	322
	20	11.0	10.8	10.7	10.5	10.3	10.2	10.0	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	6.5	5.8	5.0	4.1	2.8			
	30	10.8	10.6	10.5	10.3	10.1	10.0	9.8	9.6	9.4	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.6	7.4	7.1	6.9	6.2	5.5	4.6	3.5				
	40	10.6	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.6	5.9	5.1	4.2	2.9				
	50	10.4	10.2	10.1	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.5	6.3	5.5	4.7	3.6	2.1				
	60	10.2	10.1	9.9	9.7	9.5	9.3	9.2	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.2	5.9	5.2	4.2	3.0					
	70	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.5	6.2	5.9	5.6	4.8	3.7	2.3					
	80	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4	6.1	5.9	5.5	5.2	4.3	3.1						

HP	PSI	PUMPING DEPTH IN FEET																												SHUT-OFF HEAD	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	FEET	PSI
2	0	–	–	–	–	–	10.9	10.6	10.3	10.1	9.7	9.4	9.0	8.7	8.4	8.0	7.4	7.1	6.4	5.8	5.0	4.2	2.8						900	389
	20	–	–	–	10.8	10.6	10.4	10.1	10.0	9.7	9.4	9.1	8.7	8.4	8.0	7.6	7.1	6.6	5.8	5.1	4.3	3.8								
	30	–	11.0	10.7	10.6	10.4	10.1	10.0	9.7	9.5	9.2	8.9	8.6	8.3	7.9	7.4	6.9	6.2	5.5	4.7	3.8									
	40	10.9	10.7	10.5	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.7	8.5	8.1	7.7	7.2	6.6	5.9	5.2	4.2	3.2									
	50	10.7	10.5	10.3	10.1	10.0	9.8	9.6	9.4	9.3	8.9	8.7	8.3	7.9	7.4	6.9	6.3	5.5	4.8	4.0	2.3									
	60	10.4	10.3	10.1	10.0	9.8	9.6	9.4	9.3	9.1	8.8	8.5	8.1	7.7	7.2	6.7	6.0	5.8	4.5	3.3										
3	0	–	–	–	–	–	–	–	10.8	10.5	10.1	9.9	9.5	9.3	9.0	8.8	8.6	8.3	8.0	7.6	7.3	6.8	6.4	5.7	5.2	4.7	3.9	2.5	1150	498
	20	–	–	–	–	–	10.9	10.6	10.4	10.2	9.9	9.5	9.3	9.0	8.8	8.6	8.3	8.1	7.7	7.4	6.9	6.5	5.8	5.2	4.8	4.0	3.1			
	30	–	–	–	–	10.9	10.6	10.4	10.2	10.0	9.6	9.4	9.2	8.9	8.7	8.4	8.1	7.9	7.4	7.0	6.6	6.0	5.4	5.8	4.3	3.5				
	40	–	–	–	10.9	10.7	10.4	10.3	10.0	10.0	9.6	9.4	9.1	8.8	8.6	8.3	8.1	7.8	7.4	7.0	6.5	5.9	5.3	4.9	4.2	3.2				
	50	–	11.0	10.8	10.6	10.4	10.3	10.0	10.0	9.7	9.4	9.2	8.9	8.7	8.5	8.1	7.9	7.5	7.1	6.6	6.1	5.5	5.1	4.4	3.6					
	60	11.0	10.7	10.6	10.4	10.3	10.0	10.0	9.7	9.6	9.4	9.1	8.9	8.7	8.4	8.1	7.8	7.4	7.0	6.6	5.9	5.3	4.9	4.2	3.3					

CAUTION: DO NOT use pump at flow rates indicated by the symbol '–'. To do so can cause premature failure of unit. Pump warranty is void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

10/12 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

HP	PSI	PUMPING DEPTH IN FEET																								SHUT-OFF HEAD	
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	500	550	FEET	PSI
1/2	0	—	—	—	—	—	14.7	13.8	12.9	11.8	10.7	9.4	8.0	6.3	4.1											278	120
	20	—	—	—	14.4	13.5	12.5	11.5	10.3	9.0	7.5	5.7	3.2														
	30	—	—	14.3	13.4	12.4	11.3	10.1	8.8	7.3	5.4	2.7															
	40	—	14.2	13.2	12.2	11.1	9.9	8.6	7.0	5.1	2.0																
	50	14.0	13.1	12.1	11.0	9.7	8.4	6.8	4.7																		
	60	12.9	11.9	10.8	9.5	8.1	6.5	4.3																			
	70	11.7	10.6	9.3	7.9	6.2	3.9																				
	80	10.4	9.1	7.7	5.9	3.4																					
3/4	0	—	—	—	—	—	—	—	14.6	14.0	13.3	12.6	11.8	11.0	10.1	9.2	8.2	7.0	5.6	3.9						382	165
	20	—	—	—	—	—	14.4	13.8	13.1	12.3	11.6	10.7	9.9	8.9	7.8	6.6	5.1	3.2									
	30	—	—	—	15.0	14.3	13.7	13.0	12.2	11.5	10.6	9.7	8.7	7.6	6.4	4.9	2.8										
	40	—	—	14.9	14.2	13.6	12.9	12.1	11.3	10.5	9.6	8.6	7.5	6.2	4.6	2.4											
	50	15.4	14.8	14.1	13.5	12.7	12.0	11.2	10.3	9.4	8.4	7.3	6.0	4.3													
	60	14.7	14.0	13.3	12.6	11.9	11.1	10.2	9.3	8.2	7.1	5.7	4.0														
	70	13.9	13.2	12.5	11.8	10.9	10.1	9.1	8.1	6.9	5.5	3.7															
	80	13.1	12.4	11.6	10.8	9.9	9.0	7.9	6.7	5.3	3.4																
1	0	—	—	—	—	—	—	—	—	14.8	14.2	13.7	13.1	12.5	11.8	11.1	10.4	9.6	8.8	7.9	6.9	5.7				452	195
	20	—	—	—	—	—	—	14.6	14.1	13.5	12.9	12.3	11.6	10.9	10.2	9.4	8.5	7.6	6.6	5.3	3.8						
	30	—	—	—	—	—	14.5	14.0	13.4	12.8	12.2	11.5	10.8	10.1	9.3	8.4	7.5	6.4	5.1	3.5							
	40	—	—	—	15.0	14.5	13.9	13.3	12.7	12.1	11.4	10.7	9.9	9.1	8.3	7.3	6.2	4.9	3.2								
	50	—	—	14.9	14.4	13.8	13.2	12.6	12.0	11.3	10.6	9.8	9.0	8.1	7.1	6.0	4.7	2.9									
	60	—	14.8	14.3	13.7	13.1	12.5	11.9	11.2	10.5	9.7	8.9	8.0	7.0	5.8	4.4	2.6										
	70	14.7	14.2	13.6	13.0	12.4	11.8	11.1	10.4	9.6	8.7	7.8	6.8	5.6	4.2	2.2											
	80	14.1	13.5	12.9	12.3	11.7	11.0	10.2	9.5	8.6	7.7	6.6	5.4	3.9													
1-1/2	0	—	—	—	—	—	—	—	—	—	—	15.0	14.6	14.1	13.7	13.3	12.8	12.3	11.8	11.3	10.8	10.2	8.6	6.8	4.3	590	256
	20	—	—	—	—	—	—	—	—	14.9	14.4	14.0	13.6	13.1	12.6	12.2	11.7	11.1	10.6	10.0	9.4	8.8	6.9	4.5			
	30	—	—	—	—	—	—	-	14.8	14.4	13.9	13.5	13.0	12.6	12.1	11.6	11.1	10.5	9.9	9.3	8.7	8.0	5.9	2.9			
	40	—	—	—	—	—	-	14.7	14.3	13.9	13.4	13.0	12.5	12.0	11.5	11.0	10.4	9.8	9.2	8.6	7.9	7.1	4.7				
	50	—	—	—	—	—	14.7	14.2	13.8	13.4	12.9	12.4	11.9	11.4	10.9	10.3	9.7	9.1	8.5	7.7	7.0	6.1	3.2				
	60	—	—	—	15.0	14.6	14.2	13.7	13.3	12.8	12.4	11.9	11.3	10.8	10.2	9.6	9.0	8.3	7.6	6.8	6.0	4.9					
	70	—	—	14.9	14.5	14.1	13.7	13.2	12.8	12.3	11.8	11.3	10.7	10.1	9.5	8.9	8.2	7.5	6.7	5.8	4.8	3.5					
	80	—	14.9	14.5	14.0	13.6	13.2	12.7	12.2	11.7	11.2	10.6	10.1	9.5	8.8	8.1	7.4	6.6	5.7	4.6	3.3						

HP	PSI	PUMPING DEPTH IN FEET																								SHUT-OFF HEAD	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	FEET	PSI
2	0	—	—	—	—	—	—	—	14.9	14.6	14.0	13.3	12.7	12.0	11.1	10.2	9.2	8.0	6.6	5.1	3.1						806	349
	20	—	—	—	—	—	14.9	14.6	14.4	14.0	13.4	12.7	12.0	11.1	10.2	9.2	8.0	6.6	5.1	3.1							
	30	—	—	—	—	15.0	14.7	14.4	14.0	13.8	13.1	12.4	11.7	10.7	9.8	8.8	7.5	6.1	4.5	2.0							
	40	—	—	—	14.9	14.6	14.4	14.2	13.8	13.3	12.8	12.1	11.3	10.2	9.2	8.0	6.6	5.1	3.1								
	50	—	—	14.9	14.6	14.4	14.1	13.8	13.4	13.1	12.4	11.6	10.8	9.8	8.8	7.6	6.1	4.7	2.2								
	60	15.1	14.9	14.6	14.4	14.1	13.8	13.4	13.1	12.8	12.1	11.3	10.3	9.5	8.3	6.9	5.3	3.7									
3	0	—	—	—	—	—	—	—	—	—		14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.2	9.5	8.7	7.6	6.4	5.3	4.1	1100	476
	20	—	—	—	—	—	—	—	—	15.2	14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.2	9.5	8.7	7.6	6.4	5.3	4.1		
	30	—	—	—	—	—	—	—	14.7	15.0	14.5	14.1	13.6	13.1	12.6	12.1	11.4	10.7	10.0	9.2	8.2	7.1	6.0	4.9	3.3		
	40	—	—	—	—	—	—	15.2	15.0	14.7	14.3	13.8	13.3	12.8	12.3	11.8	11.0	10.2	9.5	8.7	7.6	6.4	5.3	4.1			
	50	—	—	—	—	—	15.3	15.0	14.8	14.6	14.1	13.7	13.2	12.7	12.2	11.7	10.9	10.1	9.4	8.6	7.5	6.2	5.0	3.9			
	60	—	—	—	—	15.3	15.0	14.8	14.6	14.4	13.9	13.4	12.9	12.4	11.9	11.2	10.4	9.7	8.8	7.9	6.6	5.5	4.3				

HP	PSI	PUMPING DEPTH IN FEET																SHUT-OFF HEAD	
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	FEET	PSI
5	0	—	—	15.3	14.6	14.2	13.5	12.9	12.3	11.6	10.8	9.9	8.9	7.7	6.3	4.9	2.9	1824	745
	20	—	—	15.0	14.5	13.9	13.3	12.7	12.1	11.2	10.3	9.4	8.5	7.1	5.6	4.1			
	30	—	—	14.9	14.3	13.8	13.1	12.5	11.9	11.1	10.2	9.2	8.2	6.7	5.2	3.7			
	40	—	—	14.7	14.2	13.5	12.9	12.3	11.6	10.8	9.9	8.9	7.7	6.3	4.9	2.9			
	50	—	—	14.6	14.1	13.4	12.8	12.2	11.5	10.7	9.8	8.8	7.5	6.1	4.7	2.7			
	60	—	15.0	14.5	13.9	13.3	12.7	12.1	11.2	10.3	9.4	8.5	7.1	5.6	4.1				

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

4" SUBMERSIBLE PUMPS PREDATOR PLUS SERIES

15 GALLONS PER MINUTE UMP PERFORMANCE (Capacity in gallons per minute)

HP	PSI	PUMPING DEPTH IN FEET																					SHUT-OFF HEAD	
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	FEET	PSI
1/2	0	–	–	20.5	19.2	17.8	16.3	14.7	12.8	10.5	7.5												201	87
	20	20.1	18.8	17.4	15.8	14.1	12.1	9.7	6.2															
	30	18.6	17.1	15.6	13.8	11.8	9.2	5.5																
	40	16.9	15.3	13.5	11.4	8.8	4.6																	
	50	15.1	13.2	11.0	8.3	3.4																		
	60	12.9	10.7	7.8																				
	70	10.3	7.2																					
	80	6.6																						
3/4	0	–	–	–	20.2	19.2	18.2	17.1	15.9	14.7	13.3	11.7	9.8	7.5	3.6								269	116
	20	20.8	19.9	18.9	17.9	16.7	15.5	14.2	12.8	11.2	9.2	6.6												
	30	19.7	18.7	17.7	16.6	15.4	14.0	12.6	10.9	8.8	6.1													
	40	18.6	17.5	16.4	15.2	13.8	12.3	10.6	8.5	5.5														
	50	17.3	16.2	15.0	13.6	12.1	10.3	8.1	4.8															
	60	16.0	14.8	13.4	11.8	10.0	7.7	4.0																
	70	14.5	13.1	11.5	9.7	7.3	3.0																	
	80	12.9	11.3	9.3	6.8																			
1	0	–	–	–	–	20.4	19.6	18.7	17.8	16.9	15.9	14.8	13.6	12.3	10.9	9.3	7.3	4.5					336	145
	20	–	21.0	20.2	19.3	18.5	17.5	16.6	15.5	14.4	13.2	11.9	10.4	8.7	6.6	3.2								
	30	20.9	20.1	19.2	18.3	17.4	16.4	15.4	14.3	13.0	11.7	10.2	8.4	6.2	2.4									
	40	19.9	19.1	18.2	17.3	16.3	15.2	14.1	12.8	11.5	9.9	8.1	5.7											
	50	18.9	18.0	17.1	16.1	15.0	13.9	12.6	11.3	9.7	7.8	5.3												
	60	17.9	17.0	15.9	14.9	13.7	12.4	11.0	9.4	7.5	4.8													
	70	16.8	15.8	14.7	13.5	12.2	10.8	9.1	7.1	4.2														
	80	15.6	14.5	13.3	12.0	10.6	8.8	6.7	3.6															
1-1/2	0	–	–	–	–	20.5	19.9	19.2	18.5	17.8	17.1	16.3	15.5	14.7	13.7	12.8	11.7	10.5	9.1	7.5	5.3		403	174
	20	–	20.9	20.3	19.7	19.0	18.3	17.6	16.9	16.1	15.3	14.4	13.4	12.4	11.3	10.1	8.7	6.9	4.3					
	30	20.8	20.2	19.6	18.9	18.2	17.5	16.7	16.0	15.1	14.2	13.3	12.3	11.2	9.9	8.4	6.6	3.8						
	40	20.1	19.5	18.8	18.1	17.4	16.6	15.8	15.0	14.1	13.1	12.1	11.0	9.7	8.2	6.2	3.0							
	50	19.4	18.7	18.0	17.3	16.5	15.7	14.9	14.0	13.0	11.9	10.8	9.5	7.9	5.9	1.8								
	60	18.6	17.9	17.1	16.4	15.6	14.7	13.8	12.8	11.8	10.6	9.2	7.6	5.5										
	70	17.8	17.0	16.3	15.4	14.6	13.7	12.7	11.6	10.4	9.0	7.3	5.1											
	80	16.9	16.1	15.3	14.4	13.5	12.5	11.4	10.2	8.8	7.0	4.6												

HP	PSI	PUMPING DEPTH IN FEET																					SHUT-OFF HEAD	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	FEET	PSI
2	0	–	–	–	–	–	–	20.7	20.2	19.6	18.3	16.9	14.4	11.6	7.4	2.7							525	227
	20	–	–	–	21.2	20.9	20.2	19.7	19.1	18.4	17.0	14.7	11.8	7.8	3.2									
	30	–	–	21.2	20.8	20.3	19.7	19.1	18.5	17.9	16.1	13.5	10.2	5.5										
	40	–	21.1	20.6	20.2	19.8	19.2	18.6	17.9	17.1	14.9	12.0	8.1	3.4										
	50	21.1	20.6	20.1	19.7	19.2	18.6	17.9	17.1	16.2	13.6	10.8	6.0											
	60	20.5	20.1	19.6	19.1	18.7	18.0	17.2	16.2	15.1	12.2	8.6	3.7											
3	0	–	–	–	–	–	–	–	–	21.0	20.2	19.5	18.7	17.8	16.6	15.0	13.0	10.8	8.0	4.9	1.6		770	333
	20	–	–	–	–	–	–	21.1	20.8	20.3	19.5	18.8	17.9	16.7	15.1	13.2	11.1	8.3	5.2	1.9				
	30	–	–	–	–	–	21.2	20.8	20.3	19.9	19.2	18.3	17.4	16.1	14.3	12.2	10.4	7.0	3.5	3.6				
	40	–	–	–	21.6	21.2	20.9	20.4	19.9	19.6	18.8	18.0	16.8	15.2	13.4	11.2	8.4	5.4	2.1					
	50	–	–	21.6	21.1	20.9	20.4	20.0	19.7	19.2	18.4	17.5	16.2	14.4	12.3	10.5	7.1	3.8						
	60	–	21.4	21.1	20.8	20.5	20.0	19.7	19.3	18.9	18.0	16.9	15.3	13.5	11.4	8.8	5.5							

CAUTION: DO NOT use pump at flow rates indicated by the symbol '–'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

20 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

HP	PSI	PUMPING DEPTH IN FEET																					SHUT-OFF HEAD	
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	FEET	PSI
3/4	0	–	–	–	–	26.9	25.0	23.0	20.7	18.1	15.1	11.3	4.9										225	97
	20	–	–	26.3	24.4	22.3	19.9	17.3	14.1	9.8														
	30	27.9	26.1	24.1	21.9	19.6	16.8	13.5	9.0															
	40	25.8	23.8	21.6	19.2	16.4	12.9	8.0																
	50	23.4	21.2	18.8	15.9	12.3	7.0																	
	60	20.9	18.3	15.4	11.6	5.7																		
	70	17.9	14.9	10.9	3.8																			
	80	14.3	10.2																					
1	0	–	–	–	–	27.9	26.4	24.7	23.0	21.0	18.9	16.5	13.6	10.0	2.8								262	114
	20	–	–	27.5	25.9	24.2	22.4	20.4	18.2	15.7	12.6	8.5												
	30	–	27.2	25.6	23.9	22.1	20.1	17.8	15.2	12.1	7.6													
	40	27.0	25.4	23.7	21.8	19.7	17.5	14.8	11.5	6.6														
	50	25.1	23.4	21.5	19.4	17.1	14.3	10.9	5.5															
	60	23.1	21.2	19.1	16.7	13.9	10.3	3.9																
	70	20.9	18.7	16.3	13.4	9.6																		
	80	18.4	15.9	12.9	8.8																			
1-1/2	0	–	–	–	–	–	–	27.9	26.8	25.6	24.4	23.1	21.7	20.2	18.6	16.9	15.0	12.7	10.0	6.1			375	162
	20	–	–	–	–	27.5	26.4	25.2	24.0	22.6	21.3	19.8	18.1	16.3	14.3	12.0	9.0	4.1						
	30	–	–	–	27.4	26.2	25.0	23.8	22.4	21.0	19.5	17.9	16.0	14.0	11.6	8.4	2.6							
	40	–	–	27.2	26.0	24.8	23.6	22.2	20.8	19.3	17.6	15.7	13.6	11.1	7.8									
	50	–	27.0	25.8	24.6	23.4	22.0	20.6	19.0	17.3	15.4	13.3	10.7	7.2										
	60	26.8	25.7	24.4	23.2	21.8	20.3	18.8	17.0	15.1	12.9	10.2	6.5											
	70	25.5	24.2	23.0	21.6	20.1	18.5	16.8	14.8	12.5	9.7	5.6												
	80	24.1	22.7	21.4	19.9	18.2	16.5	14.5	12.2	9.2	4.7													

HP	PSI	PUMPING DEPTH IN FEET																									SHUT-OFF HEAD	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	FEET	PSI
2	0	–	–	–	–	–	–	–	27.3	26.0	23.2	20.2	16.2	8.5													450	194
	20	–	–	–	–	–	–	26.1	24.9	23.4	20.6	16.7	9.5															
	30	–	–	–	–	27.6	26.2	25.0	23.5	22.1	19.1	13.8	4.8															
	40	–	–	–	27.5	26.4	25.1	23.7	22.2	20.8	17.2	10.1																
	50	–	–	27.2	26.1	25.1	23.8	22.3	20.9	19.3	14.0	5.7																
	60	–	27.1	26.0	25.0	23.9	22.4	21.0	19.4	17.3	10.8																	
3	0	–	–	–	–	–	–	–	–	–	27.2	25.3	23.5	21.3	19.1	16.0	11.3	3.6									605	349
	20	–	–	–	–	–	–	–	–	27.3	25.4	23.6	21.6	19.3	16.1	12.0	5.0											
	30	–	–	–	–	–	–	–	27.4	26.6	24.8	22.7	20.6	18.1	14.5	9.0												
	40	–	–	–	–	–	–	27.5	26.7	25.5	23.8	21.7	19.6	16.8	12.5	5.3												
	50	–	–	–	–	–	27.6	26.7	25.6	24.9	22.8	20.8	18.5	15.0	9.5													
	60	–	–	–	–	27.7	26.8	25.7	24.9	23.9	21.8	19.8	16.9	12.7	5.6													
5	0	–	–	–	–	–	–	–	–	–	–	–	–	27.5	26.5	25.2	24.0	22.8	21.5	20.2	18.9	17.0	14.3	11.0	6.8		1005	476
	20	–	–	–	–	–	–	–	–	–	–	–	27.6	26.6	25.3	24.1	22.9	21.6	20.3	19.0	17.3	14.0	11.2	7.3				
	30	–	–	–	–	–	–	–	–	–	–	–	27.1	26.0	24.9	23.5	22.2	21.0	19.9	18.2	16.2	13.3	9.5	5.2				
	40	–	–	–	–	–	–	–	–	–	–	27.7	26.7	25.4	24.2	22.9	21.7	20.4	19.1	17.5	14.4	11.5	7.7	3.1				
	50	–	–	–	–	–	–	–	–	–	–	27.2	26.0	25.0	23.6	22.3	21.1	20.0	18.4	16.3	13.5	9.9	5.7					
	60	–	–	–	–	–	–	–	–	–	27.8	26.8	25.5	24.3	23.0	21.8	20.5	19.2	17.7	14.9	12.0	8.0	3.7					

HP	PSI	PUMPING DEPTH IN FEET															SHUT-OFF HEAD	
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	FEET	PSI
7-1/2	0	–	–	–	–	27.3	25.7	24.3	23.1	21.5	19.9	16.4	11.3	4.1			1450	628
	20	–	–	–	–	26.7	25.3	23.7	22.3	20.8	18.9	14.7	8.5					
	30	–	–	–	–	26.5	25.1	23.5	22.1	20.6	18.3	13.4	7.0					
	40	–	–	–	27.5	26.3	24.7	23.3	21.7	20.2	17.3	12.1	5.3					
	50	–	–	–	27.3	25.7	24.5	22.7	21.3	19.7	16.0	10.6	3.6					
	60	–	–	–	26.9	25.5	24.3	22.5	21.0	19.3	15.1	9.5						
10	0	–	–	–	–	–	–	26.8	25.7	24.7	23.7	22.6	21.6	20.7	19.5	17.1	1950	844
	20	–	–	–	–	–	27.5	26.4	25.3	24.4	23.3	22.1	21.3	20.1	18.5	16.0		
	30	–	–	–	–	–	27.3	26.2	25.0	24.1	23.0	21.9	21.0	19.9	18.0	15.0		
	40	–	–	–	–	–	27.0	25.7	24.9	24.0	22.8	21.7	20.8	19.7	17.6	14.7		
	50	–	–	–	–	27.8	26.7	25.5	24.7	23.6	22.5	21.5	20.6	19.4	17.0	14.0		
	60	–	–	–	–	27.5	26.4	25.3	24.4	23.3	22.2	21.3	20.2	18.5	16.1	12.5		

CAUTION: DO NOT use pump at flow rates indicated by the symbol '–'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

30 GALLONS PER MINUTE PUMP PERFORMANCE (Capacity in gallons per minute)

HP	PSI	PUMPING DEPTH IN FEET																			SHUT-OFF HEAD	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	FEET	PSI
1	0	–	42.5	40.9	39.1	36.8	32.5	26.0	8.0												175	76
	20	40.4	38.8	36.0	32.4	27.7	13.3															
	30	38.0	35.3	31.7	26.3	14.3																
	40	35.0	31.4	25.9	12.1																	
	50	30.2	24.0	3.0																		
	60	21.9																				
1-1/2	0	–	–	41.9	39.9	37.5	34.1	30.9	26.9	17.0											210	91
	20	41.2	39.1	36.5	34.0	31.5	27.8	21.5														
	30	38.9	36.1	33.8	31.0	27.9	21.8															
	40	36.0	33.5	30.8	27.7	20.2																
	50	32.9	30.1	26.8	21.5																	
	60	29.5	25.9	18.1																		
2	0	–	–	–	41.8	40.5	38.8	36.8	34.7	31.6	23.7										280	121
	20	–	41.3	40.1	38.7	37.1	34.9	32.1	29.0	24.8												
	30	41.2	40.0	38.5	37.0	35.0	32.2	29.1	24.9	15.2												
	40	39.9	38.3	36.6	34.8	32.7	29.8	25.1	16.1													
	50	38.0	36.3	34.5	32.1	30.0	25.3	17.5														
	60	36.0	34.0	31.9	29.1	26.0	18.0															
3	0	–	–	–	–	42.7	41.6	40.1	39.6	38.2	35.5	32.0	27.3								420	182
	20	–	–	42.4	41.5	41.0	39.8	38.5	37.1	35.7	32.1	28.0	18.5									
	30	42.9	42.2	41.3	40.6	39.9	38.7	37.2	35.8	34.2	30.3	24.9	6.0									
	40	42.1	41.2	40.4	39.7	38.8	37.3	35.9	34.5	32.6	28.3	19.9										
	50	41.1	40.3	39.5	38.5	37.4	36.0	34.6	32.7	31.0	25.2	9.5										
	60	40.2	39.3	38.3	37.2	36.1	34.7	32.8	31.0	28.5	20.5											
5	0	–	–	–	–	–	–	–	42.6	42.0	40.7	39.2	38.0	36.0	34.2	31.9	29.2	26.0	20.0		705	305
	20	–	–	–	–	–	42.7	42.0	41.3	40.8	39.3	38.2	36.2	34.4	32.4	30.0	26.1	21.5				
	30	–	–	–	–	42.8	42.1	41.4	40.8	40.1	38.7	37.0	35.1	33.1	31.1	26.0	24.1	16.0				
	40	–	–	–	–	42.1	41.5	40.9	40.2	39.3	37.9	36.1	34.3	32.0	29.4	26.2	20.4					
	50	–	–	42.6	42.0	41.5	41.2	40.2	39.5	38.8	37.1	35.4	33.2	31.2	28.8	24.5	16.0					
	60	–	42.5	42.0	41.4	41.1	40.3	39.8	38.9	38.1	36.2	34.2	32.1	30.0	26.7	22.0						

HP	PSI	PUMPING DEPTH IN FEET													SHUT-OFF HEAD	
		200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	FEET	PSI
7-1/2	0	–	–	40.4	37.6	34.8	32.0	28.1	20.0						975	422
	20	–	42.0	39.3	36.5	33.8	30.5	25.5	13.8							
	30	–	41.3	38.6	35.8	33.1	29.8	23.3	6.5							
	40	–	40.7	38.1	35.6	32.6	29.3	21.7								
	50	42.7	40.1	37.3	34.6	31.7	27.4	19.3								
	60	42.0	39.4	36.5	33.7	30.7	25.1	13.9								
10	0	–	–	–	41.3	39.5	37.3	35.1	33.1	30.4	27.1	22.5	11.9		1345	582
	20	–	–	42.3	40.5	38.6	36.4	34.5	31.8	29.2	25.3	18.7				
	30	–	–	42.0	40.1	43.0	35.7	33.7	31.3	28.4	24.2	16.3				
	40	–	–	41.6	39.7	37.7	35.5	33.5	30.9	27.7	23.4	14.4				
	50	–	42.7	41.0	39.3	37.1	34.9	32.8	30.2	26.7	21.7	7.7				
	60	–	42.3	40.6	38.7	36.5	34.5	32.3	29.5	25.7	20.1	5.0				

CAUTION: DO NOT use pump at flow rates indicated by the symbol '–'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

PAGE LEFT INTENTIONALLY BLANK

293 Wright St
Delavan, WI 53115
Ph: 866.987.8677
Fx: 800.426.9446

490 Pinebush Rd., Unit 4
Cambridge, Ontario
Canada N1T 0A5
Ph: 800.363.7867
Fx: 888.606.5484

pentair.com

All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.
Noryl® is a registered trademark of SABIC Global Technologies B.V.
Buna N® is the registered trademark of Pittway Corporation, Chicago, IL.
©2023 Pentair. All Rights Reserved.

M9108WS (02-15-23)