

PACKAGED SYSTEMS



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SUBDRIVE & MONODRIVE QUICKPAK - FEATURES & APPLICATIONS

The SubDrive and MonoDrive QuickPAK is a popular system-solution package designed to simplify the installation of a constant pressure system. This all-in-one package comes available with an extended warranty for the pump, motor, and drive, and features durable enclosures for added security.

FEATURES

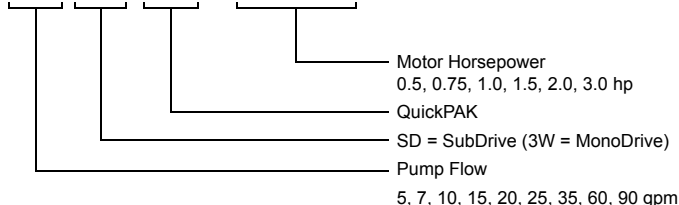
- Motor, pump, and drive all in one package
- Selection based on flow and total dynamic head
- NEMA 3R and NEMA 4 drive enclosures
- Excellent radio frequency interference shielding
- User-defined motor frequency range and underload off-time
- Pressure transducer input with system pressure display (NEMA 3R only excluding SD2W)
- Extended warranty available for QuickPAK components
- Soft-start feature prevents water hammer and increases motor life
- Works with small or large pressure tanks, including an existing tank
- FE Connect mobile app for advanced settings and monitoring (NEMA 3R only)
- Built-in diagnostic features and protection from potentially harmful conditions, including surge, underload, undervoltage, locked pump, open circuit, short circuit, overheated controller, and broken pipe
- Flow rates of 7–90 gpm for SubDrive QuickPAK and 5–25 gpm for MonoDrive (3-Wire) QuickPAK
- Single-phase input power, with three-phase motor performance using 1.5–3 hp motors for SubDrive QuickPAK and single-phase motor performance using 0.5–2 hp motors for MonoDrive (3-Wire) QuickPAK

APPLICATIONS

- Residential water systems
- Landscape irrigation systems
- Water treatment systems
- Geothermal systems
- Constant pressure boosting

MODEL NOMENCLATURE

XX SD QP - X.XHP



Examples:

90SDQP-3.0HP = 90 gpm, SubDrive QuickPAK, 3 hp

253WQP-2.0HP = 25 gpm, 3-Wire MonoDrive QuickPAK, 2 hp



SUBDRIVE QUICKPAK - ORDERING INFORMATION

NEMA 3R ENCLOSURE

QuickPAK			SubDrive					Pump			Motor	
Order No.	Model No.	GPM	Drive Type	Part No.	HP	GPM	Design	Hydraulics	Part No.	HP	Part No.	
93805224C	7SDQP-1.5HP-3R	7	SD15	5870205103C	0.75	7	SS	3200	93870707	1.5	2345149203S	
93805425C	7SDQP-2.0HP-3R	7	SD20	5870205303C	1	7		3200	93870710	2	2343159204S	
93805526C	7SDQP-3.0HP-3R	7	SD30	5870205403C	1.5	7		3200	93870715	3	2343162605S	
93805234C	10SDQP-1.5HP-3R	10	SD15	5870205103C	0.75	10		DS-10	93871006	1.5	2345149203S	
93805435C	10SDQP-2.0HP-3R	10	SD20	5870205303C	1	10		DS-10	93871009	2	2343159204S	
93805536C	10SDQP-3.0HP-3R	10	SD30	5870205403C	2	10		Tri-Seal	93871020	3	2343162605S	
93805244C	15SDQP-1.5HP-3R	15	SD15	5870205103C	0.75	15		Tri-Seal	93871507	1.5	2345149203S	
93805445C	15SDQP-2.0HP-3R	15	SD20	5870205303C	1	15		Tri-Seal	93871510	2	2343159204S	
93805546C	15SDQP-3.0HP-3R	15	SD30	5870205403C	1.5	15		Tri-Seal	93871515	3	2343162605S	
93805254C	20SDQP-1.5HP-3R	20	SD15	5870205103C	1	20		Tri-Seal	93872010	1.5	2345149203S	
93805455C	20SDQP-2.0HP-3R	20	SD20	5870205303C	1	20		Tri-Seal	93872010	2	2343159204S	
93805556C	20SDQP-3.0HP-3R	20	SD30	5870205403C	2	20		Tri-Seal	93872020	3	2343162605S	
93805264C	25SDQP-1.5HP-3R	25	SD15	5870205103C	1	25		Tri-Seal	93872510	1.5	2345149203S	
93805465C	25SDQP-2.0HP-3R	25	SD20	5870205303C	1	25		Tri-Seal	93872510	2	2343159204S	
93805566C	25SDQP-3.0HP-3R	25	SD30	5870205403C	1.5	25		Tri-Seal	93872515	3	2343162605S	
93805274C (a)	35SDQP-1.5HP-3R	35	SD15	5870205103C	1	35		Modified PPO	93873510	1.5	2345149203S	
93805475C (a)	35SDQP-2.0HP-3R	35	SD20	5870205303C	1	35		Modified PPO	93873510	2	2343159204S	
93805576C (a)	35SDQP-3.0HP-3R	35	SD30	5870205403C	1.5	35		Modified PPO	93873515	3	2343162605S	
93805586C (a)	60SDQP-3.0HP-3R	60	SD30	5870205403C	2	60		Modified PPO	93876020	3	2343162605S	
93805596C (a)	90SDQP-3.0HP-3R	90	SD30	5870205403C	2	90		Modified PPO	93879020	3	2343162605S	

NOTE: (a): High-capacity pumps, 35 gpm and higher, in a QuickPAK are not supplied with an internal check valve.

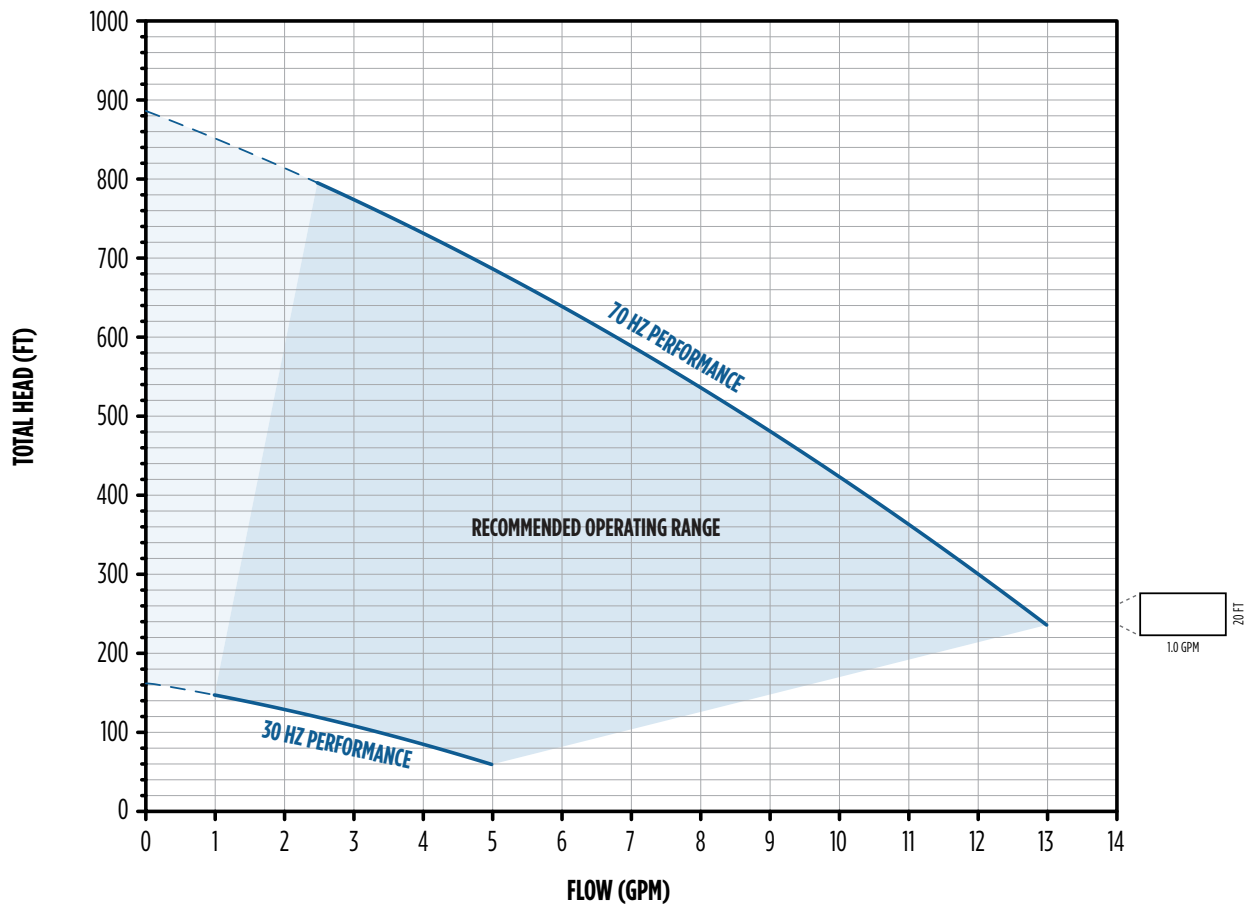
NEMA 4 ENCLOSURE

QuickPAK			SubDrive		Pump			Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	HP	GPM	Design	Hydraulics	Part No.	HP	Part No.
93800760	7SDQP-1.5 hp-N4	7	SD75-N4	5870203384	1	7	SS	3200	93870707	1.5	2345149203S
93800772	7SDQP-2.0 hp-N4	7	SD100-N4	5870204104	1	7		3200	93870710	2	2343159204S
93800710	7SDQP-3.0 hp-N4	7	SD150-N4	5870204154	1.5	7		3200	93870715	3	2343162605S
93801002	10SDQP-1.5 hp-N4	10	SD75-N4	5870203384	0.75	10		DS-10	93871006	1.5	2345149203S
93801062	10SDQP-2.0 hp-N4	10	SD100-N4	5870204104	1	10		DS-10	93871009	2	2343159204S
93801004	10SDQP-3.0 hp-N4	10	SD150-N4	5870204154	2	10		Tri-Seal	93871020	3	2343162605S
93801502	15SDQP-1.5 hp-N4	15	SD75-N4	5870203384	0.75	15		Tri-Seal	93871507	1.5	2345149203S
93801511	15SDQP-2.0 hp-N4	15	SD100-N4	5870204104	1	15		Tri-Seal	93871510	2	2343159204S
93801504	15SDQP-3.0 hp-N4	15	SD150-N4	5870204154	1.5	15		Tri-Seal	93871515	3	2343162605S
93802002	20SDQP-1.5 hp-N4	20	SD75-N4	5870203384	1	20		Tri-Seal	93872010	1.5	2345149203S
93802036	20SDQP-2.0 hp-N4	20	SD100-N4	5870204104	1	20		Tri-Seal	93872010	2	2343159204S
93802004	20SDQP-3.0 hp-N4	20	SD150-N4	5870204154	2	20		Tri-Seal	93872020	3	2343162605S
93802502	25SDQP-1.5 hp-N4	25	SD75-N4	5870203384	1	25		Tri-Seal	93872510	1.5	2345149203S
93802530	25SDQP-2.0 hp-N4	25	SD100-N4	5870204104	1	25		Tri-Seal	93872510	2	2343159204S
93802504	25SDQP-3.0 hp-N4	25	SD150-N4	5870204154	1.5	25		Tri-Seal	93872515	3	2343162605S
93803514 (a)	35SDQP-1.5 hp-N4	35	SD75-N4	5870203384	1	35		Modified PPO	93873510	1.5	2345149203S
93803520 (a)	35SDQP-2.0 hp-N4	35	SD100-N4	5870204104	1	35		Modified PPO	93873510	2	2343159204S
93803528 (a)	35SDQP-3.0 hp-N4	35	SD150-N4	5870204154	1.5	35		Modified PPO	93873515	3	2343162605S
93806016 (a)	60SDQP-3.0 hp-N4	60	SD150-N4	5870204154	2	60		Modified PPO	93876020	3	2343162605S
93809010 (a)	90SDQP-3.0 hp-N4	90	SD150-N4	5870204154	2	90		Modified PPO	93879020	3	2343162605S

NOTE: (a): High-capacity pumps, 35 gpm and higher, in a QuickPAK are not supplied with an internal check valve.

SD15/75 7 GPM (0.75 HP PUMP END, 1.5 HP MOTOR)

7SDQP-1.5HP

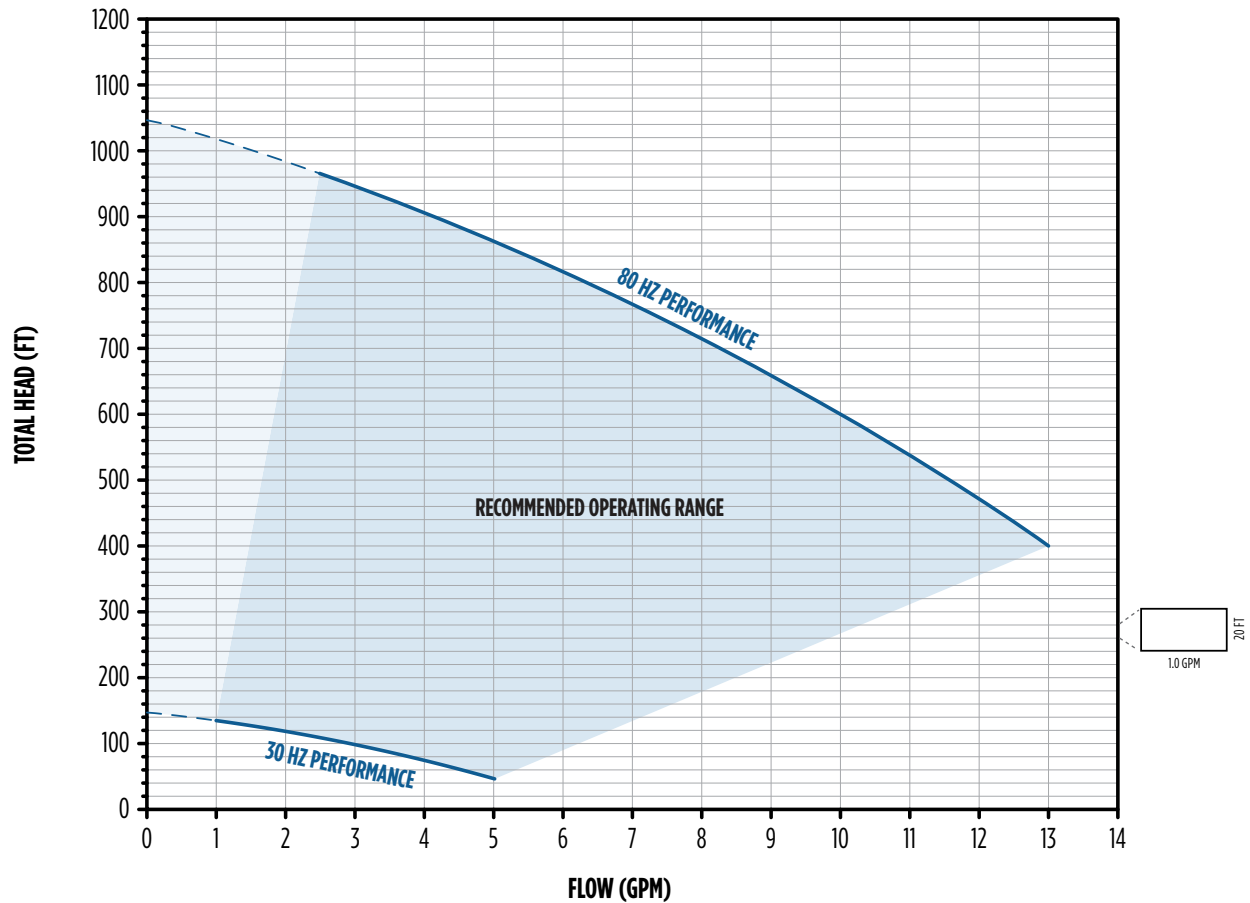


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																											
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850		
1.5	0															11	10	10	9	9	8	7	6	5	4	2	1		
	10															11	10	9	9	8	7	6	5	4	3	2	0		
	20														11	10	10	9	8	8	7	6	5	4	2	1	0		
	30														11	10	9	8	8	7	6	5	4	3	2	0			
	40													11	10	10	9	8	7	7	6	5	4	3	1	0			
	50												11	10	10	9	8	8	7	6	5	4	3	2	1	0			
	60											11	11	10	9	9	8	7	6	6	5	4	3	1	0				
	70											11	11	10	10	9	8	8	7	6	6	4	3	2	1	0			
	80										11	11	11	10	9	9	8	7	6	5	5	4	3	1	0				
Shut-off psi		374	365	356	348	339	330	322	313	304	296	287	270	252	235	218	200	183	166	157	135	114	92	71	49	27	6		

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD20/100 7 GPM (1 HP PUMP END, 2 HP MOTOR)

7SDQP-2.0HP

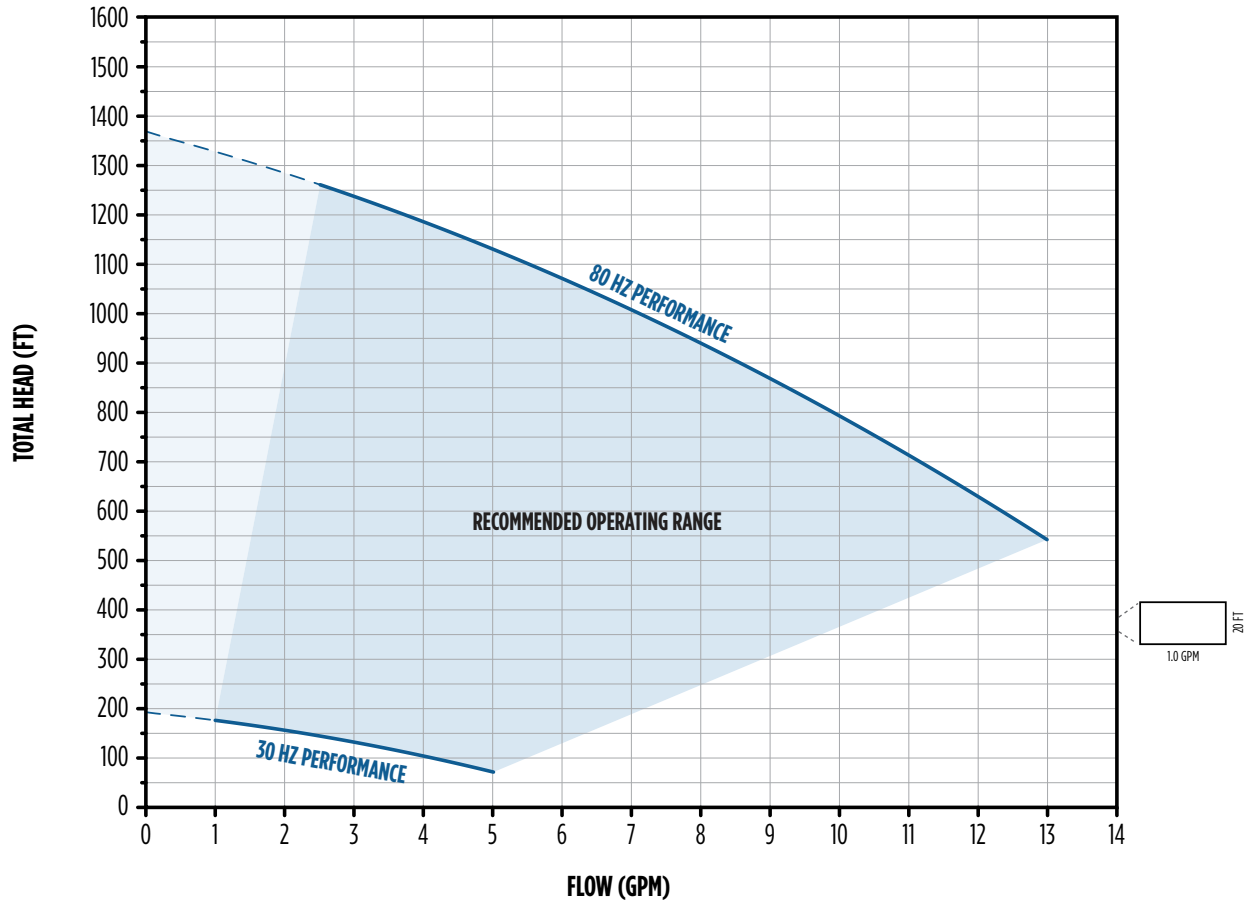


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																												
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000
2	0																				11	10	9	8	7	7	5	4	3	2
	10																				11	10	9	8	7	6	5	4	2	1
	20																			11	10	9	8	8	7	6	4	3	2	0
	30																			11	10	9	8	7	6	5	4	3	1	0
	40																		11	10	9	9	8	7	6	4	3	2	0	
	50																	11	10	10	9	8	7	6	5	4	3	1	0	
	60																11	10	10	9	9	8	7	6	5	3	2	0		
	70																11	10	9	9	8	7	6	5	4	3	1	0		
80																11	10	10	9	9	8	7	6	5	3	2	0			
Shut-off psi		435	426	418	409	400	392	383	374	366	357	348	331	314	297	279	262	245	227	219	197	175	154	132	110	89	67	45	24	2

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SD30/150 7 GPM (1.5 HP PUMP END, 3 HP MOTOR)

7SDQP-3.0HP

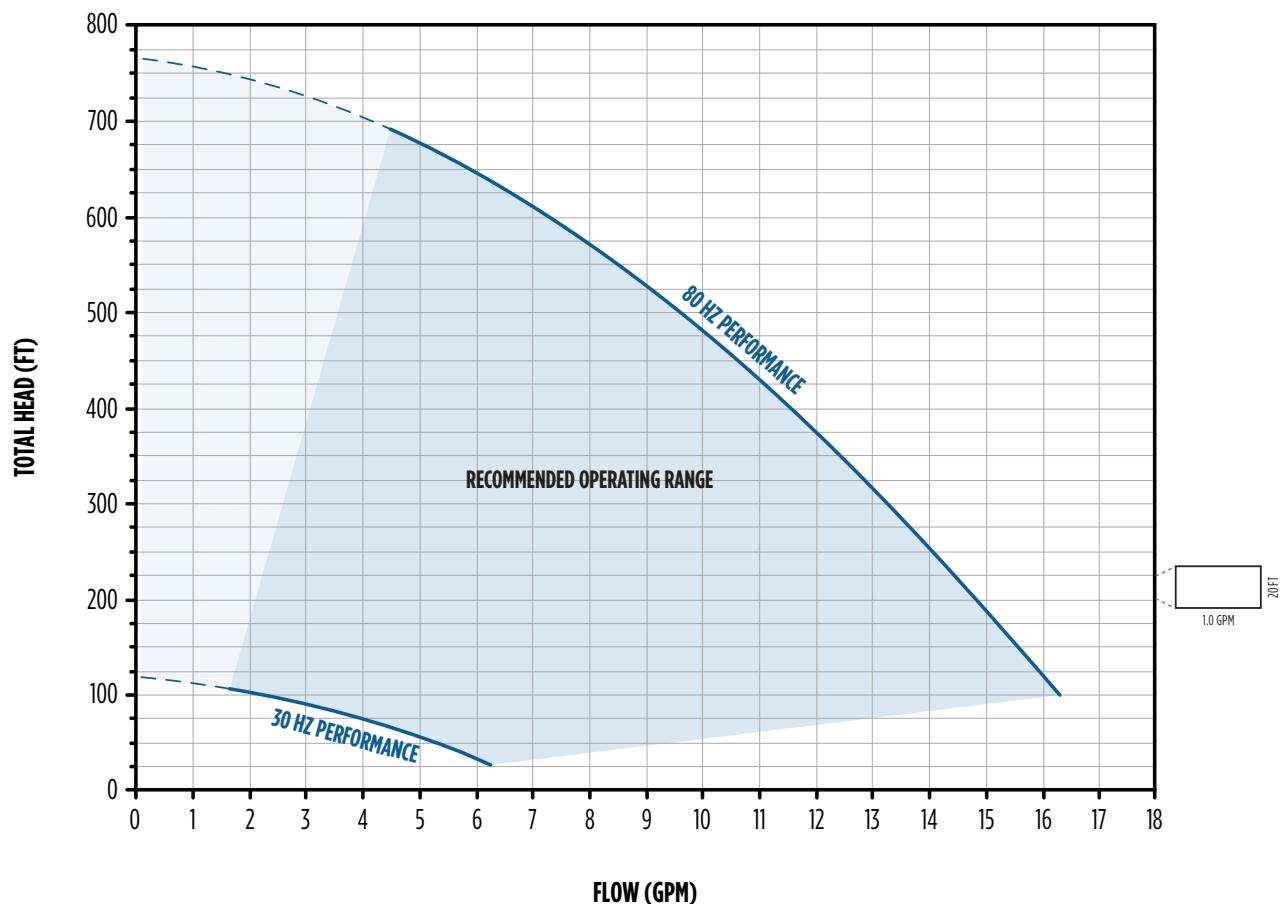


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	
3	0																									11	10	9	9	8	7	6	6	5	4	3	2
	10																								11	10	10	9	8	8	7	6	5	4	3	2	1
	20																							11	10	9	9	8	7	6	6	5	4	3	2	1	
	30																						11	10	10	9	8	8	7	6	5	4	3	2	1	0	
	40																						11	10	9	9	8	7	6	6	5	4	3	2	1	0	
	50																					11	10	10	9	8	8	7	6	5	4	3	2	1	0		
	60																				11	10	9	9	8	7	7	6	5	4	3	2	1	0			
	70																				10	10	9	8	8	7	6	5	4	4	2	1	0				
	80																				11	10	9	9	8	7	7	6	5	4	3	2	1	0			
Shut-off psi		558	550	541	532	524	515	506	498	489	481	472	455	437	420	403	385	368	351	342	320	299	277	255	234	212	190	169	147	126	104	82	61	39	17	0	

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD15/75 10 GPM (0.75 HP PUMP END, 1.5 HP MOTOR)

10SDQP-1.5HP

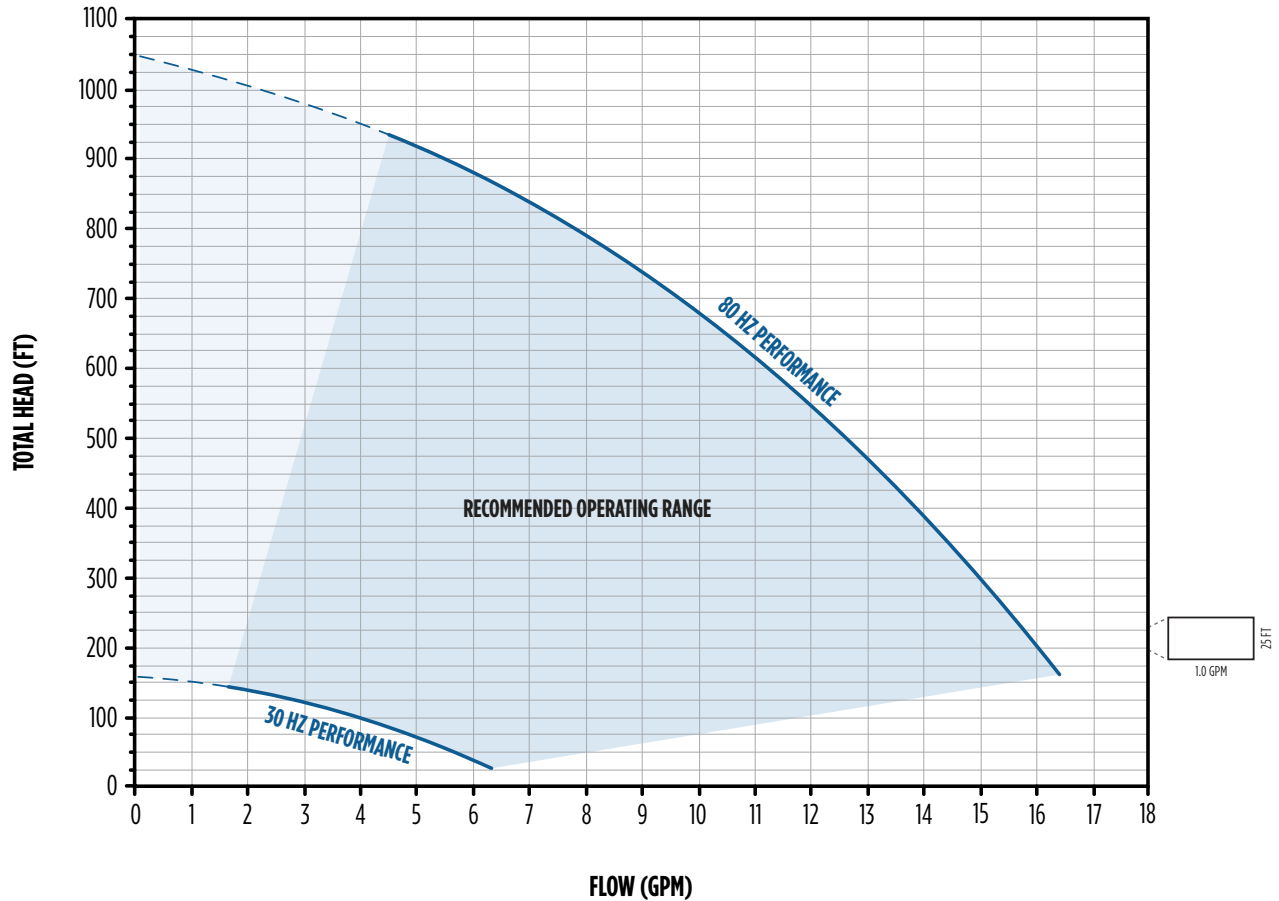


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650
1.5	0						16	16	16	15	15	14	13	13	12	11	10	8	7	6
	10					16	16	16	15	15	15	14	13	12	11	10	9	8	7	5
	20				16	16	15	15	15	15	14	13	13	12	11	10	9	7	6	
	30		16	16	16	15	15	15	14	14	14	13	12	11	10	9	8	7	5	
	40	16	16	16	15	15	15	14	14	14	13	13	12	11	10	9	7	6		
	50	16	16	15	15	15	14	14	14	13	13	12	11	10	9	8	7	6		
	60	16	15	15	15	14	14	14	13	13	13	12	11	10	9	8	6	5		
	70	15	15	15	14	14	14	13	13	13	12	11	10	9	8	7	6			
	80	15	15	14	14	14	13	13	13	12	12	11	10	9	8	6	5			
	90	15	14	14	14	13	13	13	12	12	11	11	9	8	7	6				
	100	14	14	14	13	13	12	12	12	11	11	10	9	8	6	5				
	110	14	13	13	13	12	12	12	11	11	11	9	8	7	6					
	120	13	13	13	12	12	12	11	11	11	10	9	8	7	5					
	130	13	13	12	12	12	11	11	10	10	10	8	7	6						
	140	13	12	12	12	11	11	10	10	10	9	8	7	5						
	150	12	12	12	11	11	10	10	9	9	9	7	6							
	160	12	11	11	11	10	10	9	9	8	8	7	5							
Shut-off psi		323	314	306	297	288	280	271	263	254	245	224	202	180	159	137	115	94	72	50

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD20/100 10 GPM (1 HP PUMP END, 2 HP MOTOR)

10SDQP-2.0HP

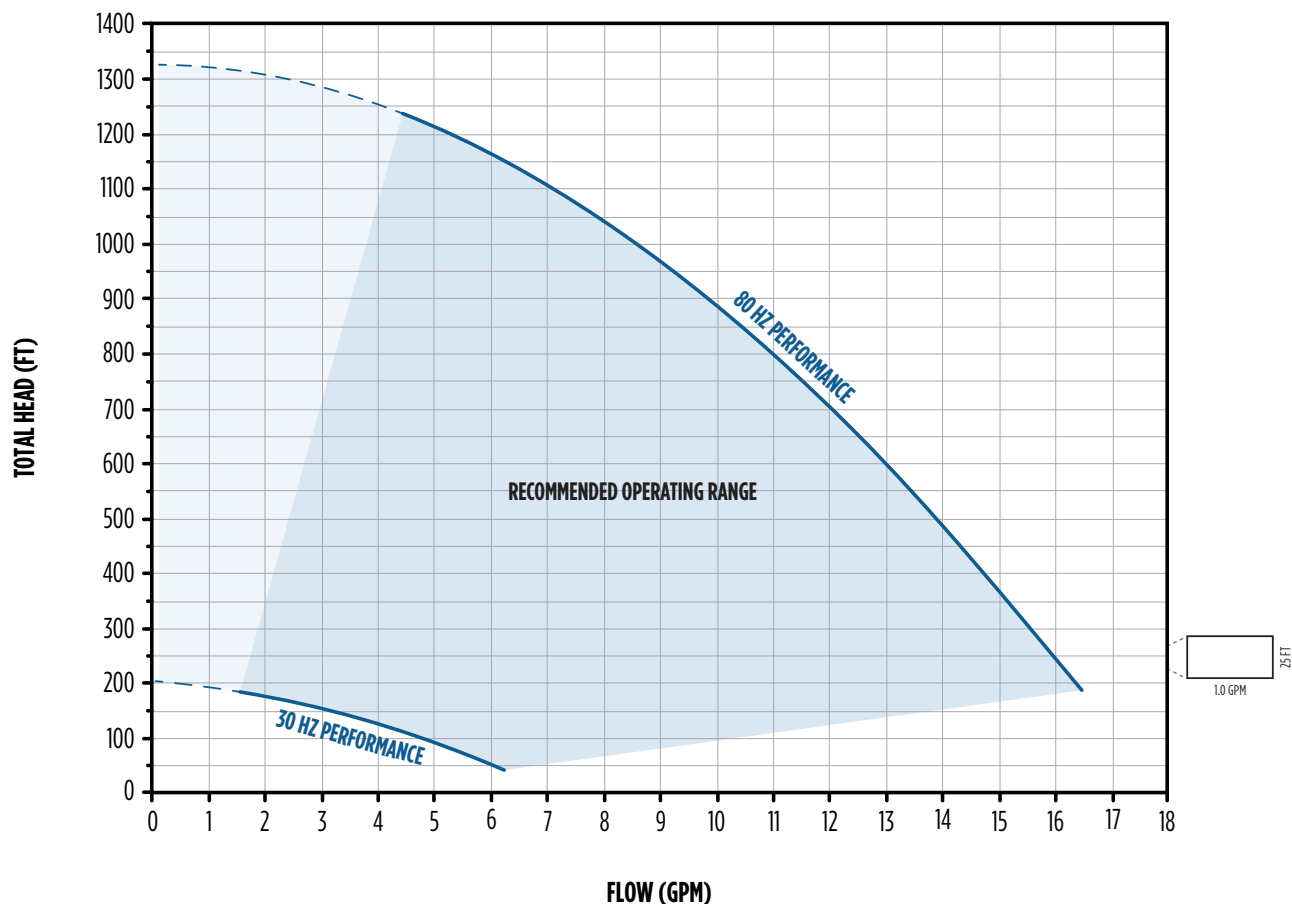


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																							
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
2	0										16	16	15	15	14	13	13	12	11	11	10	9	8	7	6
	10								16	16	16	15	15	14	14	13	12	12	11	10	9	8	7	6	5
	20							16	16	16	16	15	15	14	13	13	12	11	11	10	9	8	7	6	
	30						16	16	16	16	15	15	14	14	13	12	12	11	10	9	8	7	6	5	
	40					16	16	16	16	15	15	15	14	13	13	12	11	11	10	9	8	7	6		
	50				16	16	16	16	15	15	15	14	14	13	13	12	11	10	9	8	7	6	5		
	60			16	16	16	16	15	15	15	15	14	14	13	12	12	11	10	9	8	7	6			
	70		16	16	16	15	15	15	15	15	14	14	13	13	12	11	10	9	9	8	6	5			
	80	16	16	16	15	15	15	15	15	14	14	14	13	12	12	11	10	9	8	7	6				
	90	16	16	15	15	15	15	15	14	14	14	13	13	12	11	10	10	9	8	7	5				
	100	16	15	15	15	15	15	14	14	14	14	13	12	12	11	10	9	8	7	6	5				
	110	15	15	15	15	14	14	14	14	14	13	13	12	11	11	10	9	8	7	5					
	120	15	15	15	14	14	14	14	14	13	13	12	12	11	10	9	8	7	6	5					
	130	15	15	14	14	14	14	13	13	13	13	12	11	11	10	9	8	7	6						
	140	15	14	14	14	14	13	13	13	13	12	12	11	10	9	8	7	6	5						
	150	14	14	14	14	13	13	13	13	12	12	11	11	10	9	8	7	6							
160	14	14	14	13	13	13	13	12	12	12	11	10	9	8	7	6	5								
Shut-off psi		445	436	428	419	410	402	393	385	376	367	346	324	302	281	259	237	216	194	172	151	129	107	86	64

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30 10 GPM (1.5 HP PUMP END, 3 HP MOTOR)

10SDQP-3.0HP

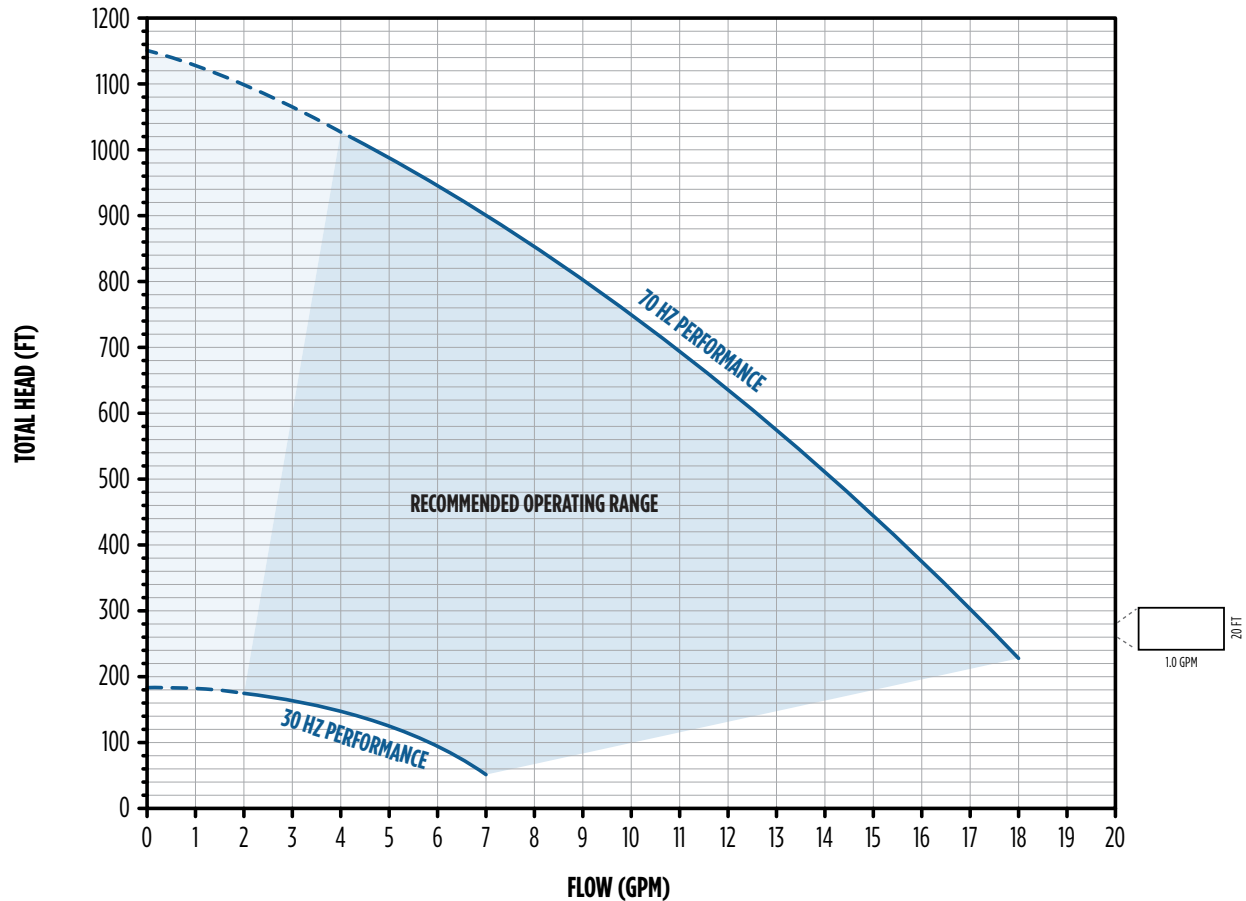


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
3	0											16	16	15	15	14	14	13	13	12	12
	10										16	16	15	15	15	14	14	13	13	12	12
	20									16	16	16	15	15	15	14	14	13	13	12	12
	30								16	16	16	16	15	15	15	14	14	13	13	12	12
	40							16	16	16	16	15	15	15	14	14	13	13	12	12	11
	50					16	16	16	16	16	15	15	15	14	14	13	13	12	12	11	11
	60				16	16	16	16	16	15	15	15	15	14	14	13	13	12	12	11	11
	70			16	16	16	16	16	15	15	15	15	14	14	13	13	13	12	11	11	10
	80	16	16	16	16	16	15	15	15	15	15	14	14	13	13	13	12	12	11	11	10
	90	16	16	16	16	15	15	15	15	15	14	14	14	13	13	13	12	12	11	10	10
	100	16	16	16	15	15	15	15	15	15	14	14	14	13	13	12	12	11	11	10	9
	110	16	16	15	15	15	15	15	15	14	14	14	14	13	13	12	12	11	10	10	9
	120	16	15	15	15	15	15	15	14	14	14	14	14	13	13	12	12	11	11	10	9
	130	15	15	15	15	15	14	14	14	14	14	14	13	13	12	12	11	11	10	9	8
	140	15	15	15	15	14	14	14	14	14	14	13	13	12	12	11	11	10	10	9	8
	150	15	15	15	14	14	14	14	14	14	13	13	12	12	11	11	10	9	9	8	7
	160	15	15	14	14	14	14	14	14	13	13	12	12	11	11	10	10	9	8	8	7
Shut-off psi		566	557	548	540	531	523	514	505	497	488	466	445	423	401	380	358	336	315	293	271

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD150 10 GPM (2 HP PUMP END, 3 HP MOTOR)

10SDQP-3.0HP

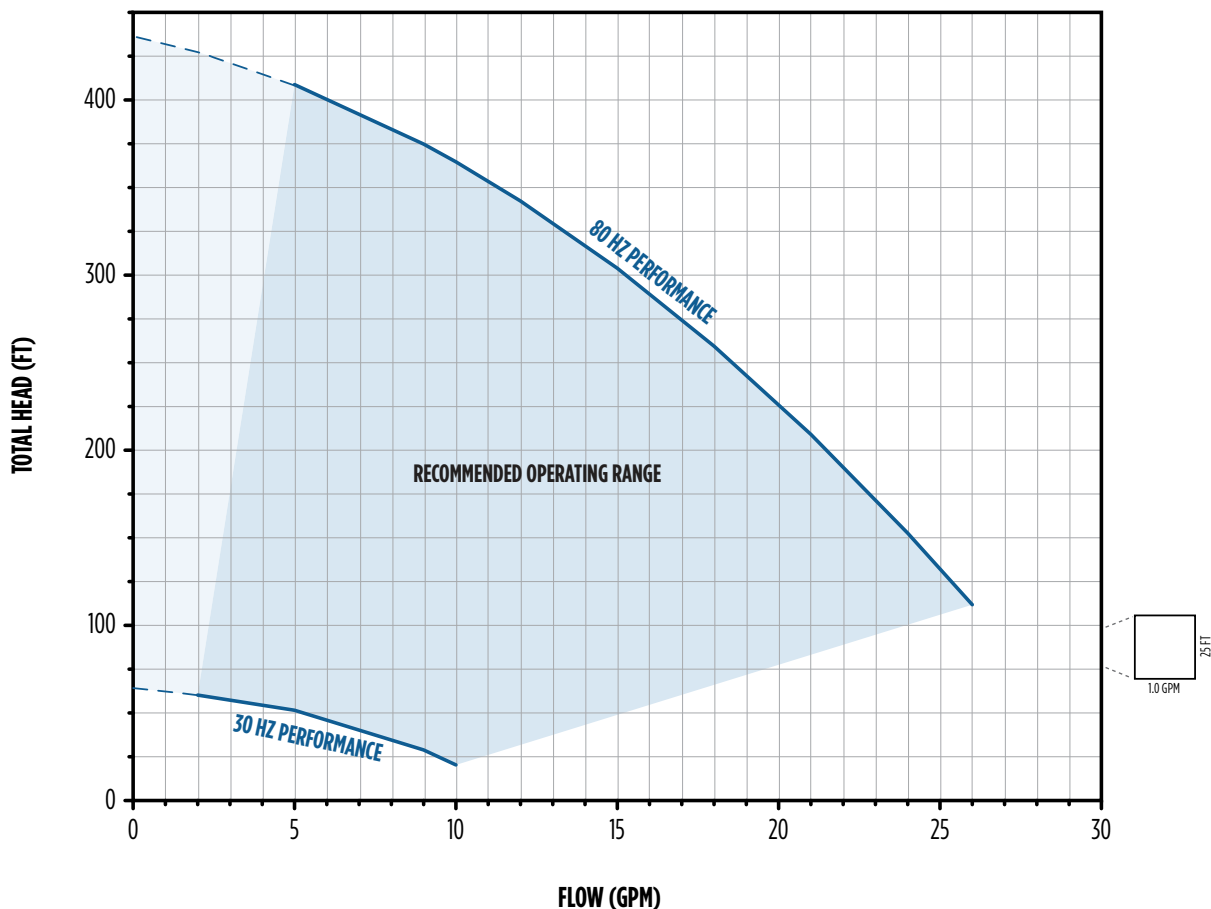


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																									
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
3	0												17	16	16	15	14	13	13	12	11	10	9	8	7	6	5
	10											17	17	16	15	15	14	13	12	11	11	10	9	8	6	5	4
	20											17	16	16	15	14	14	13	12	11	10	9	8	7	6	5	
	30										17	17	16	15	15	14	13	12	12	11	10	9	8	7	5	4	
	40									17	17	16	16	15	14	14	13	12	11	10	9	8	7	6	5		
	50								17	17	17	16	15	15	14	13	12	12	11	10	9	8	7	5	4		
	60						17	17	17	17	16	16	15	14	14	13	12	11	10	9	8	7	6	5	4		
	70					17	17	17	17	16	16	15	15	14	13	12	12	11	10	9	8	7	6	4			
	80				17	17	17	17	16	16	16	15	14	14	13	12	11	10	9	8	7	6	5	4			
	90			17	17	17	17	16	16	16	16	15	14	13	13	12	11	10	9	8	7	6	4				
	100		17	17	17	17	16	16	16	15	15	15	14	13	12	11	10	9	8	7	6	5	4				
	110	17	17	17	17	16	16	16	15	15	15	14	13	13	12	11	10	9	8	7	6	4					
	120	17	17	16	16	16	16	15	15	15	15	14	13	12	11	10	10	9	8	6	5	4					
	130	17	16	16	16	16	15	15	15	15	14	13	13	12	11	10	9	8	7	6	5						
	140	16	16	16	16	15	15	15	14	14	14	13	12	11	11	10	9	8	6	5	4						
	150	16	16	16	15	15	15	14	14	14	14	13	12	11	10	9	8	7	6	5							
	160	15	15	15	14	14	14	13	13	13	12	12	11	10	9	8	7	5	4								
Shut-off psi		490	481	472	464	455	446	438	429	420	412	390	368	347	325	303	282	260	238	217	195	173	152	130	108	87	65

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD15/75 15 GPM (0.75 HP PUMP END, 1.5 HP MOTOR)

15SDQP-1.5HP

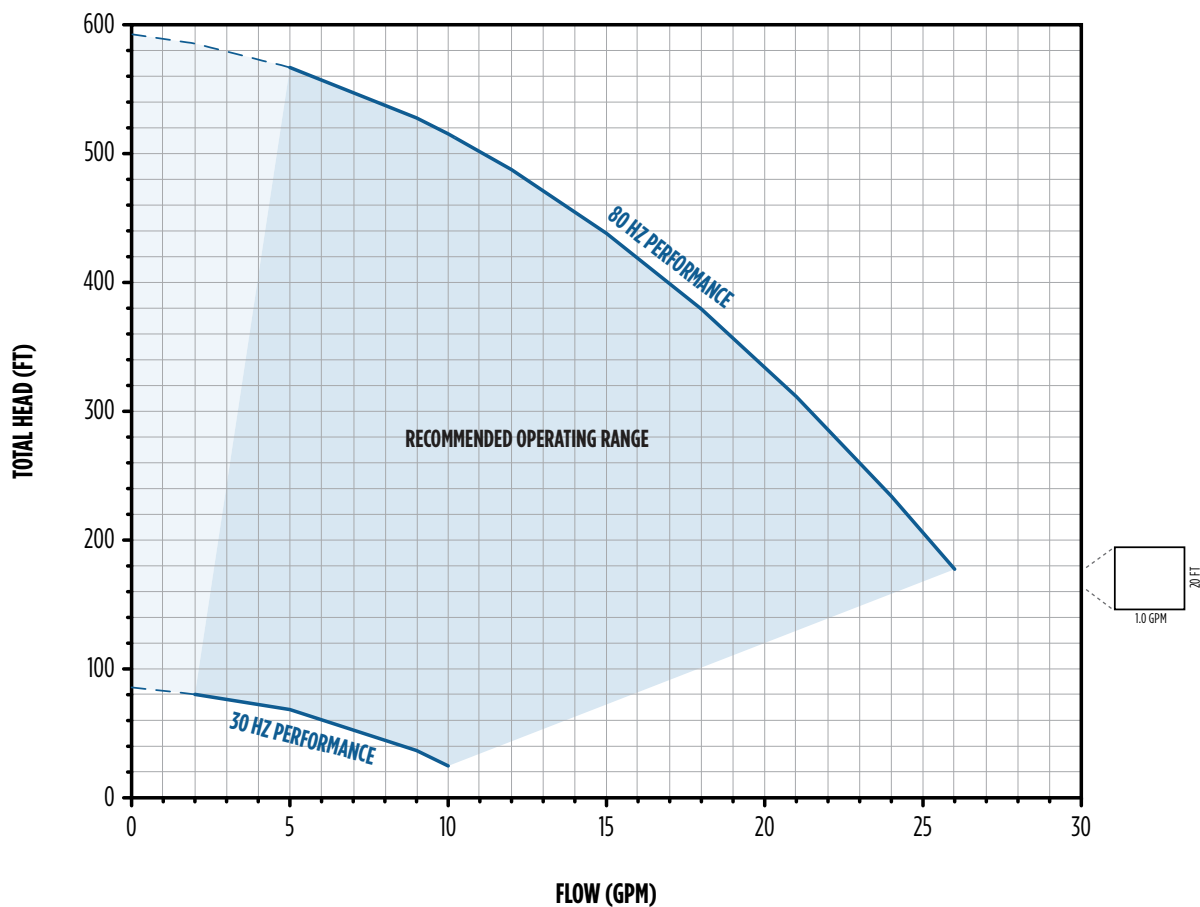


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
1.5	0								24	23	22	19	15	11	6
	10						24	23	22	21	20	17	14	9	
	20					24	23	22	21	20	19	15	12	7	
	30				24	23	22	21	20	19	17	14	10		
	40			24	23	22	21	20	18	17	16	12	7		
	50		24	23	22	21	20	18	17	16	14	10			
	60	24	23	22	21	19	18	17	15	14	12	8			
	70	23	21	20	19	18	16	15	14	12	10				
	80	21	20	19	18	16	15	13	12	10	8				
	90	20	19	17	16	15	13	12	10	8					
	100	19	17	16	14	13	11	9	7						
	110	17	16	14	13	11	9	7							
	120	15	14	12	11	9	7								
	130	14	12	10	9	6									
	140	12	10	8	6										
	150	10	8												
Shut-off psi		180	172	163	154	146	137	128	120	111	102	81	59	37	16

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD20/100 15 GPM (1 HP PUMP END, 2 HP MOTOR)

15SDQP-2.0HP

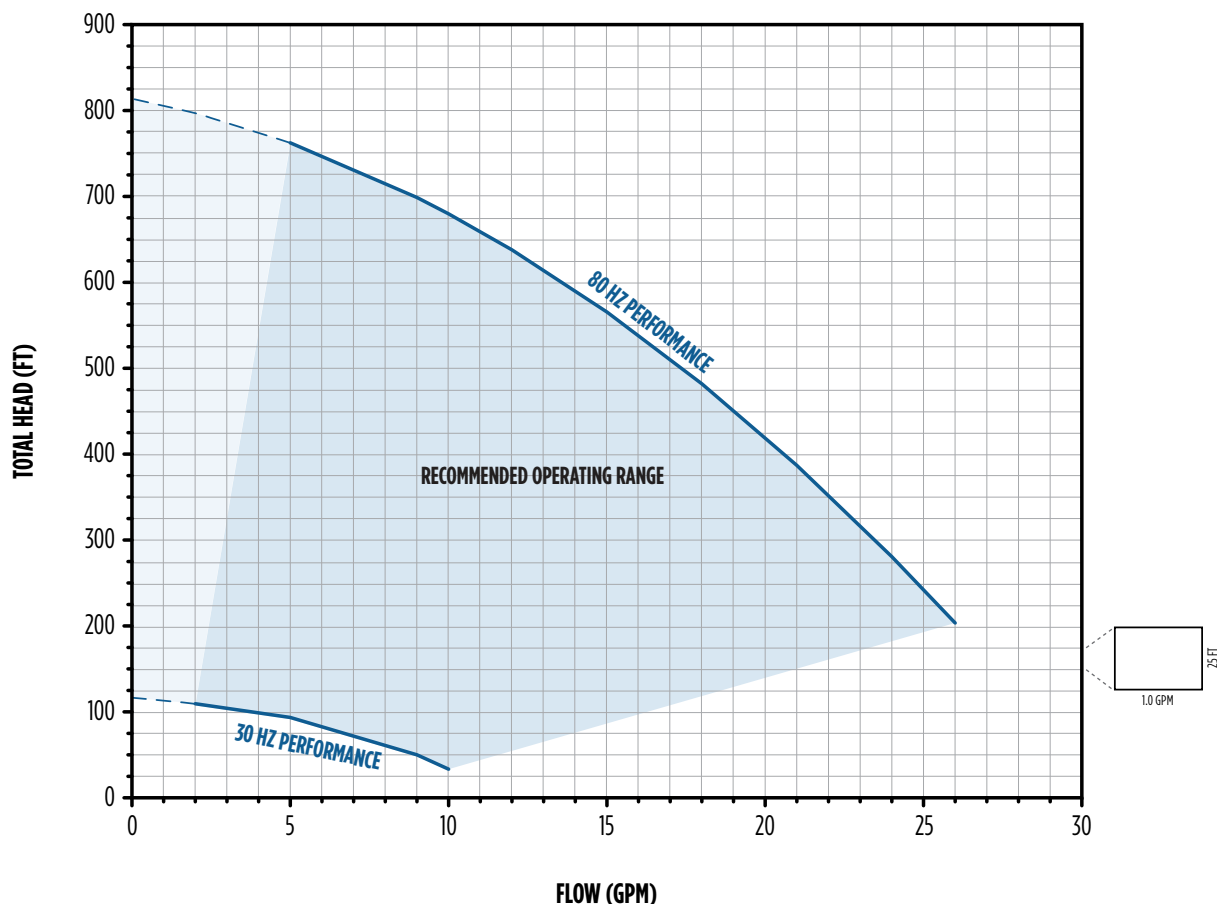


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
2	0											23	22	19	17	14	11	7
	10										24	23	21	18	16	13	10	
	20									24	24	22	20	17	14	12	7	
	30								24	23	23	21	18	16	13	10		
	40							24	23	23	22	20	17	15	12	8		
	50					24	24	23	23	22	21	19	16	13	10			
	60				24	24	23	22	22	21	20	17	15	12	8			
	70			24	24	23	22	22	21	20	19	16	14	10				
	80		24	24	23	22	21	21	20	19	18	15	12	8				
	90	24	24	23	22	21	20	19	18	17	16	14	11	6				
	100	23	23	22	21	20	19	18	17	16	15	12	9					
	110	23	22	21	20	19	18	17	16	15	14	11	6					
	120	22	21	20	19	18	17	16	15	14	13	9						
	130	21	20	19	18	17	16	15	14	13	11	7						
	140	20	19	18	17	16	15	13	12	11	10							
	150	19	18	16	15	14	13	12	11	9	7							
	160	15	14	13	12	10	8	6										
Shut-off psi		248	239	231	222	213	205	196	187	179	170	148	127	105	83	62	40	18

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30/150 15 GPM (1.5 HP PUMP END, 3 HP MOTOR)

15SDQP-3.0HP

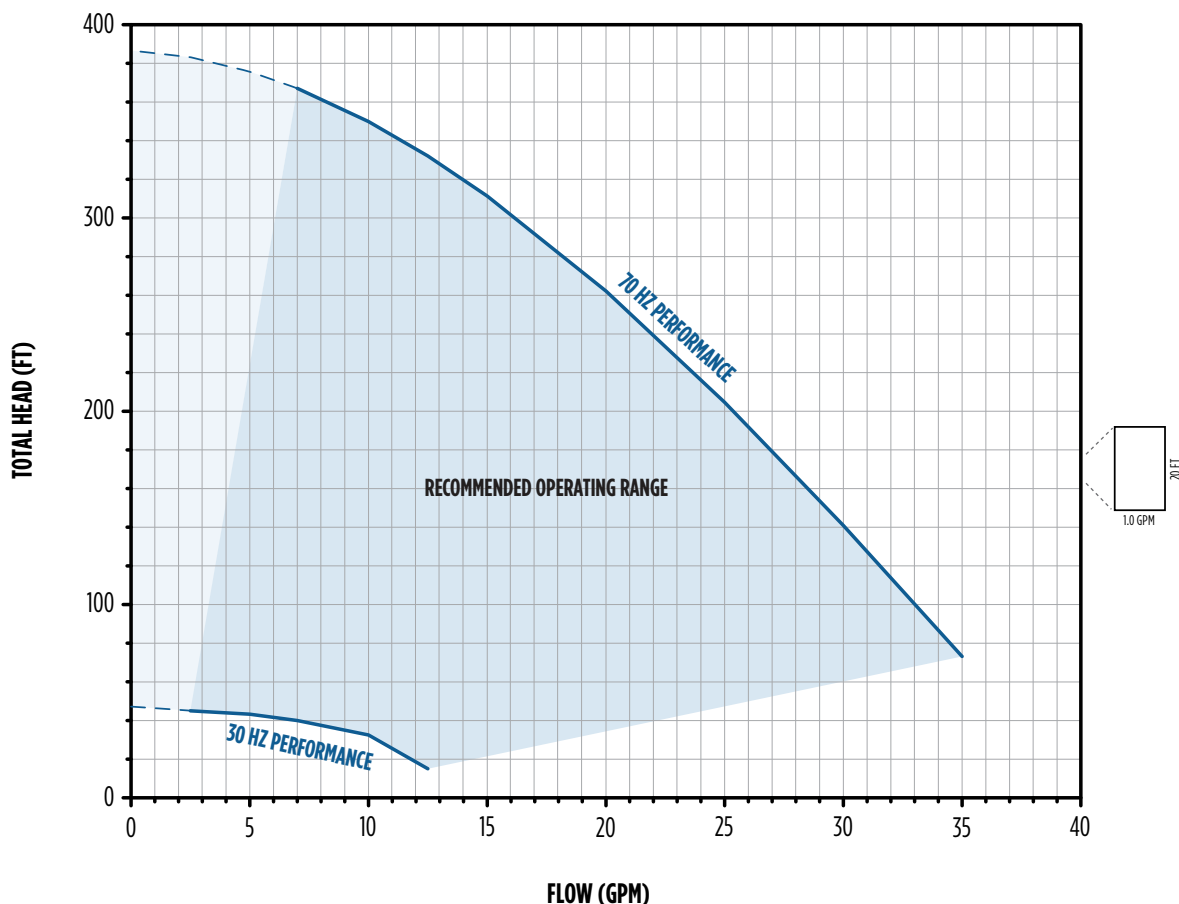


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750
3	0											23	22	21	19	17	15	14	11	9	6	
	10										24	23	21	20	18	16	15	13	10	8		
	20										24	22	21	19	17	16	14	12	9	6		
	30									24	23	22	20	18	17	15	13	11	8			
	40								24	24	22	21	19	18	16	14	12	9	6			
	50							24	24	23	22	20	19	17	15	13	11	8				
	60						24	24	23	22	21	19	18	16	14	12	10	7				
	70					24	24	23	23	22	22	20	19	17	15	13	11	8				
	80				24	24	23	23	22	22	21	20	18	16	14	12	10	7				
	90			24	24	23	23	22	22	21	20	19	17	15	13	11	9					
	100		24	24	23	23	22	22	21	20	20	18	16	14	12	10	7					
	110	24	24	23	23	22	21	21	20	20	19	17	15	13	11	9	6					
	120	24	23	23	22	21	21	20	19	19	18	16	14	12	10	7						
	130	23	22	22	21	21	20	19	19	18	17	15	14	11	9	6						
	140	22	22	21	21	20	19	19	18	17	16	15	13	10	8							
	150	22	21	20	20	19	19	18	17	16	16	14	12	9	6							
160	20	19	18	17	17	16	15	15	14	13	11	8										
Shut-off psi		344	335	326	318	309	300	292	283	274	266	244	222	201	179	158	136	114	93	71	49	28

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD15/75 20 GPM (1 HP PUMP END, 1.5 HP MOTOR)

20SDQP-1.5HP

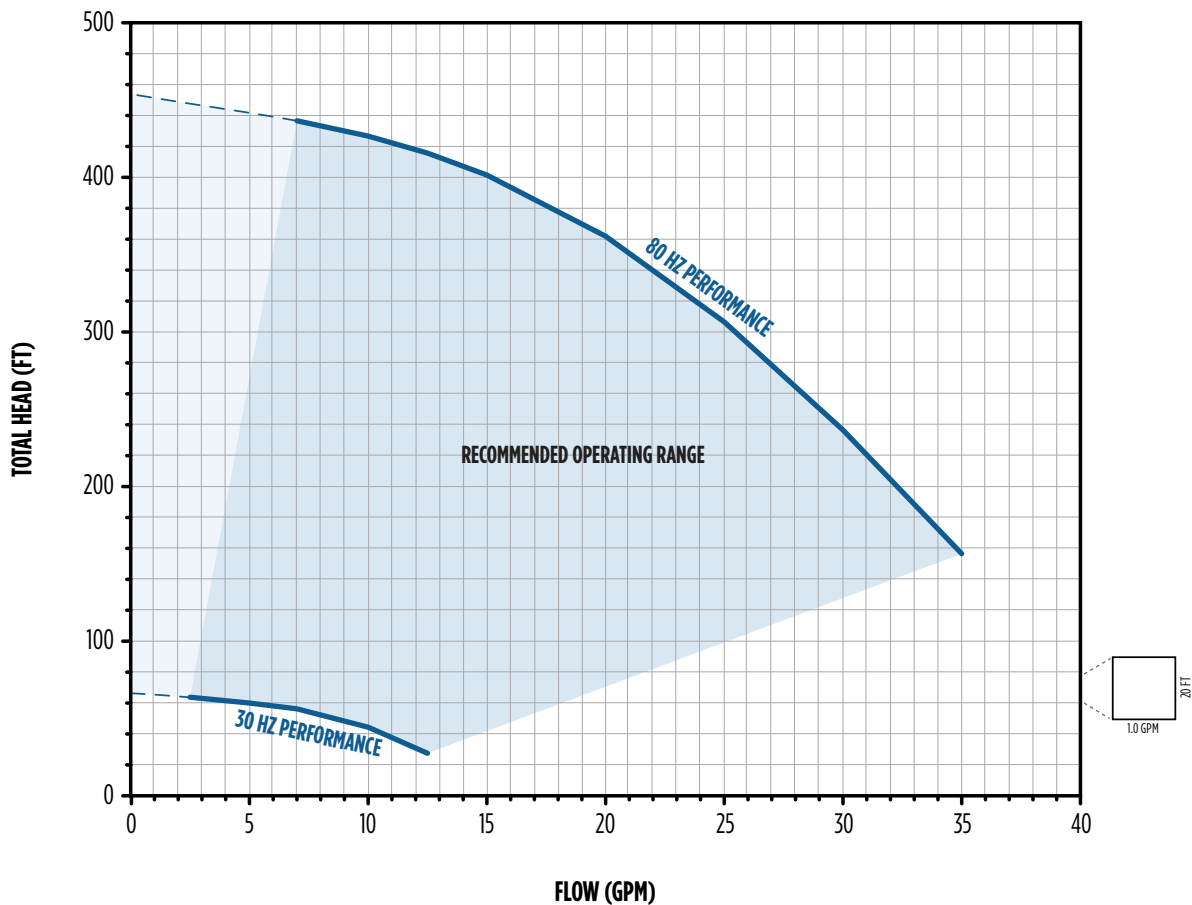


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1.5	0				34	32	31	30	29	27	26	21	16
	10			34	32	31	30	29	27	25	23	19	14
	20		33	32	31	30	28	27	25	23	21	16	11
	30	33	32	31	29	28	27	25	23	21	19	14	
	40	31	30	29	28	26	25	23	21	19	17	11	
	50	30	29	28	26	24	22	20	18	17	15	7	
	60	29	27	26	24	22	20	18	16	14	12		
	70	27	26	24	22	20	18	16	14	12	8		
	80	25	23	21	19	18	16	14	11	7			
	90	23	21	19	17	15	13	11	7				
	100	21	19	17	15	13	10						
	110	18	17	15	13	10							
	120	16	14	12	9								
	130	14	12	8									
	140	11	8										
	150	7											
Shut-off psi		159	150	141	133	124	115	107	98	89	81	59	38

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD20/100 20 GPM (1 HP PUMP END, 2 HP MOTOR)

20SDQP-2.0HP

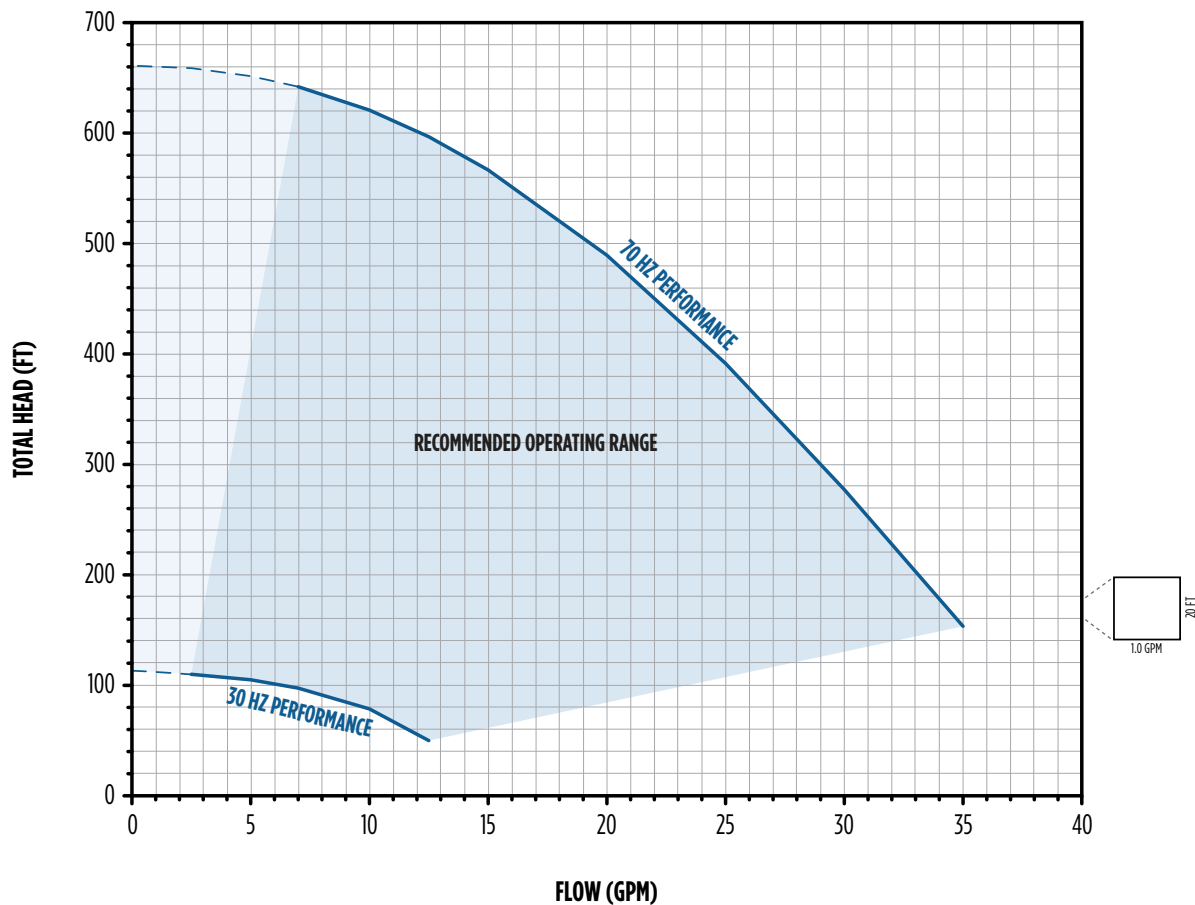


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
2	0								35	33	32	29	26	21	15
	10							34	32	31	31	28	24	19	11
	20						34	32	31	30	29	26	21	16	
	30					34	32	31	30	29	28	24	19	12	
	40				33	32	31	30	29	28	26	22	16		
	50			33	32	31	30	29	28	26	24	20	13		
	60	35	33	32	31	30	29	27	26	24	22	17			
	70	33	32	31	30	29	27	25	24	22	20	13			
	80	31	31	30	28	27	25	23	22	20	17	8			
	90	30	29	28	27	25	23	21	19	17	14				
	100	29	28	26	25	23	21	19	17	13	9				
	110	28	26	24	23	21	19	16	13	8					
	120	26	24	22	20	18	16	12	7						
	130	24	22	20	18	15	11								
	140	22	20	18	15	11									
	150	19	17	14	10										
	160	7													
Shut-off psi		188	179	171	162	153	145	136	127	119	110	88	67	45	23

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30/150 20 GPM (2 HP PUMP END, 3 HP MOTOR)

20SDQP-3.0HP

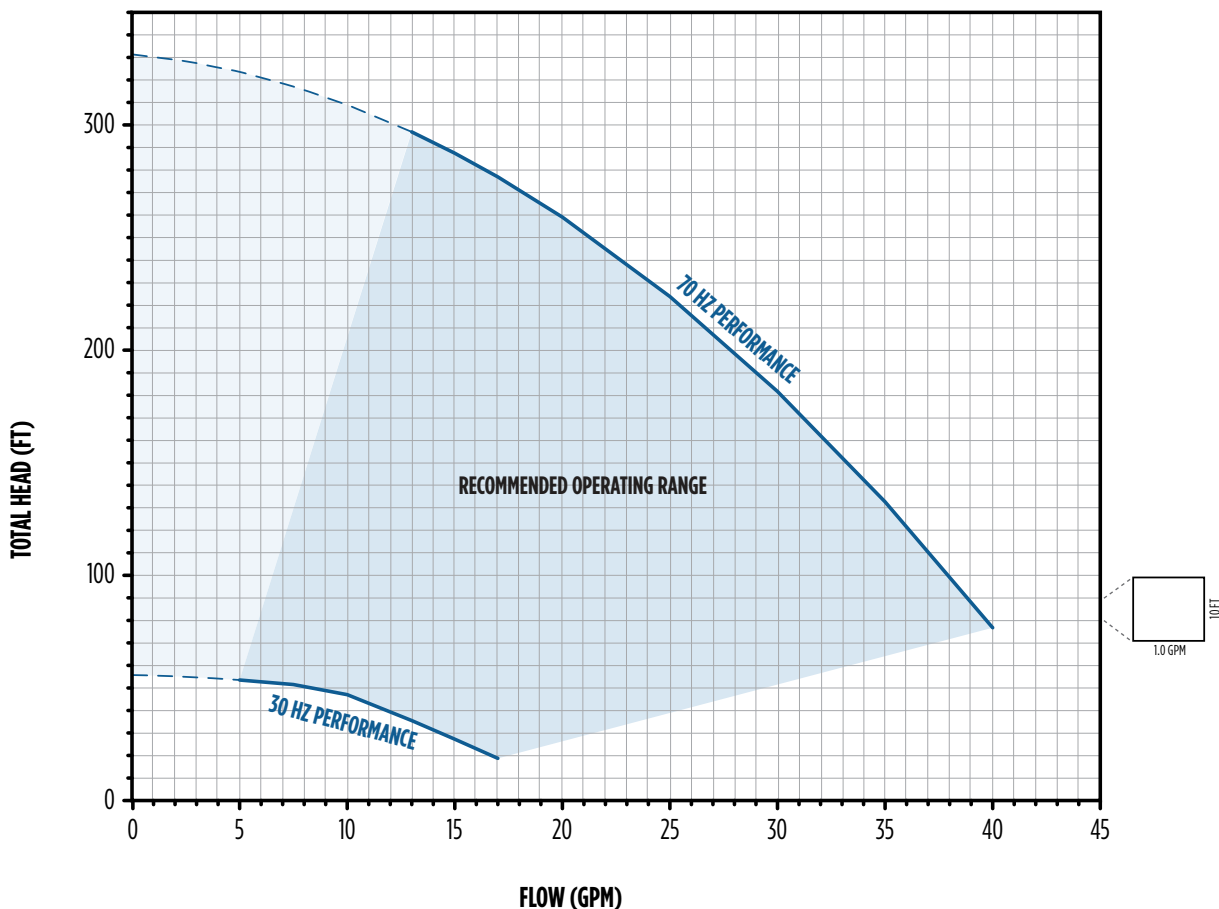


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
3	0								35	34	33	31	29	27	24	22	19	17	13
	10							35	33	33	32	30	28	26	23	21	18	15	
	20						34	33	33	32	31	30	27	25	22	19	17	13	
	30					34	33	32	32	31	31	29	26	23	21	18	15	10	
	40				34	33	32	32	31	30	30	27	25	22	20	17	13		
	50		35	34	33	32	32	31	30	30	29	26	24	21	19	16	11		
	60	35	34	33	32	31	31	30	29	29	28	25	22	20	17	14			
	70	33	33	32	31	31	30	29	28	28	26	24	21	19	16	11			
	80	33	32	31	31	30	29	28	27	26	25	23	20	17	14				
	90	32	31	31	30	29	28	27	26	25	24	21	19	16	12				
	100	31	30	30	29	28	27	26	25	24	23	20	18	14					
	110	30	30	29	28	27	26	25	24	23	22	19	16	12					
	120	29	29	28	27	26	25	23	22	21	20	18	15						
	130	29	28	27	25	24	23	22	21	20	19	17	12						
	140	27	26	25	24	23	22	21	20	19	18	15							
	150	26	25	24	23	22	21	20	19	18	17	13							
	160	22	21	20	19	18	17	16	15	13	11								
Shut-off psi		278	269	260	252	243	234	226	217	208	200	178	156	135	113	91	70	48	26

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD15/75 25 GPM (1 HP PUMP END, 1.5 HP MOTOR)

25SDQP-1.5HP

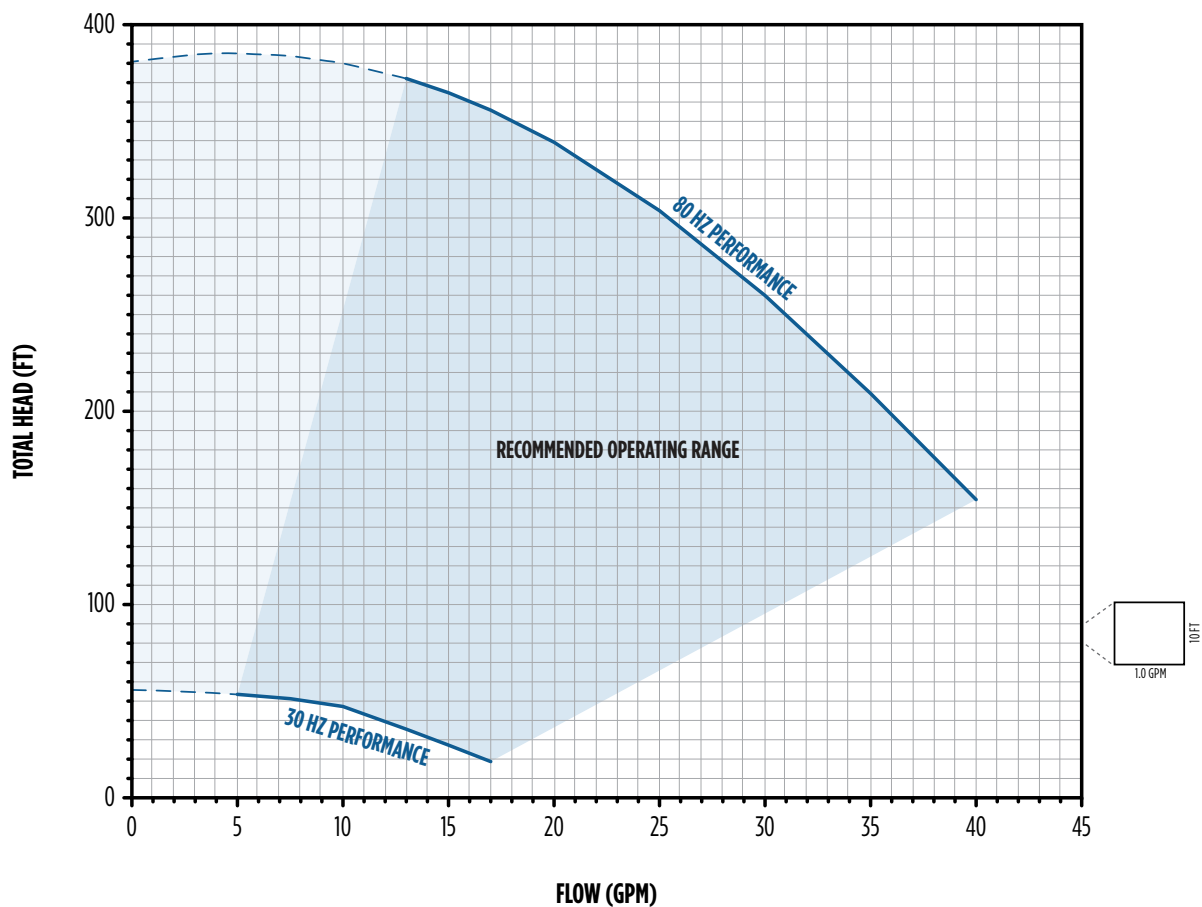


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
1.5	0				39	37	36	34	33	30	28	21
	10			39	37	36	34	32	30	28	25	18
	20		39	37	35	34	32	30	27	24	22	
	30	38	36	35	34	32	29	27	24	21	18	
	40	36	35	33	31	29	26	24	21	18	14	
	50	35	33	31	29	26	23	20	17	14		
	60	33	31	28	25	23	20	17				
	70	30	28	25	22	19	16					
	80	27	25	22	19	16						
	90	24	21	19	15							
	100	21	18	15								
	110	18	14									
Shut-off psi		135	126	117	109	100	92	83	74	66	57	35

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD20/100 25 GPM (1 HP PUMP END, 2 HP MOTOR)

25SDQP-2.0HP

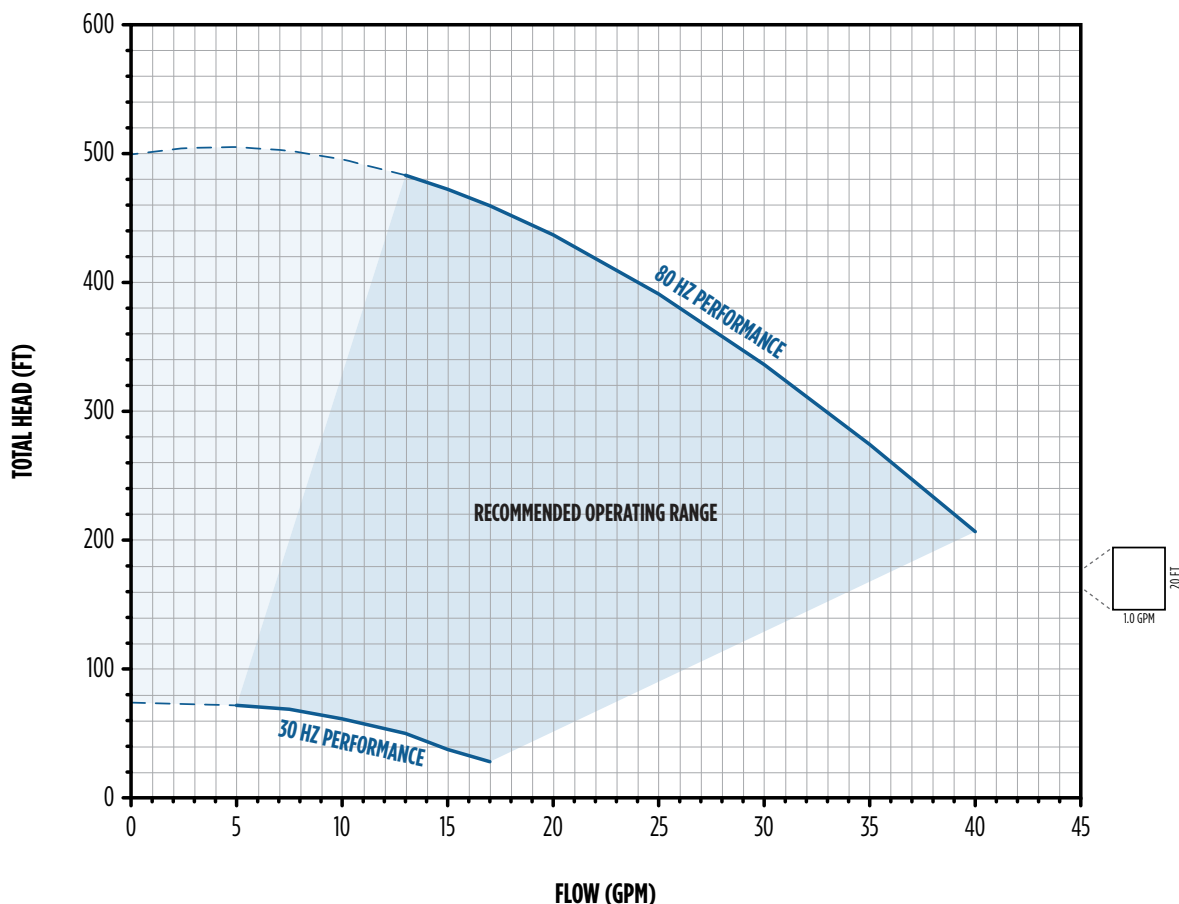


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)												
		20	40	60	80	100	120	140	160	180	200	250	300	350
2	0								39	36	35	31	25	19
	10							38	36	35	34	28	23	
	20						38	36	35	34	32	25	19	
	30					37	36	35	34	31	29	23		
	40				37	36	35	33	31	29	26	20		
	50		40	37	36	35	33	31	28	26	23	14		
	60	39	36	35	34	33	30	28	25	23	21			
	70	36	35	34	32	30	27	25	23	20	16			
	80	35	34	32	30	27	25	22	20	15				
	90	34	32	29	27	24	22	19						
	100	31	29	26	24	22	18							
	110	28	26	23	21	18								
	120	25	23	21	17									
	130	23	20	16										
	140	20	15											
	150	14												
Shut-off psi		158	149	141	132	123	115	106	98	89	80	59	37	15

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30/150 25 GPM (1.5 HP PUMP END, 3 HP MOTOR)

25SDQP-3.0HP

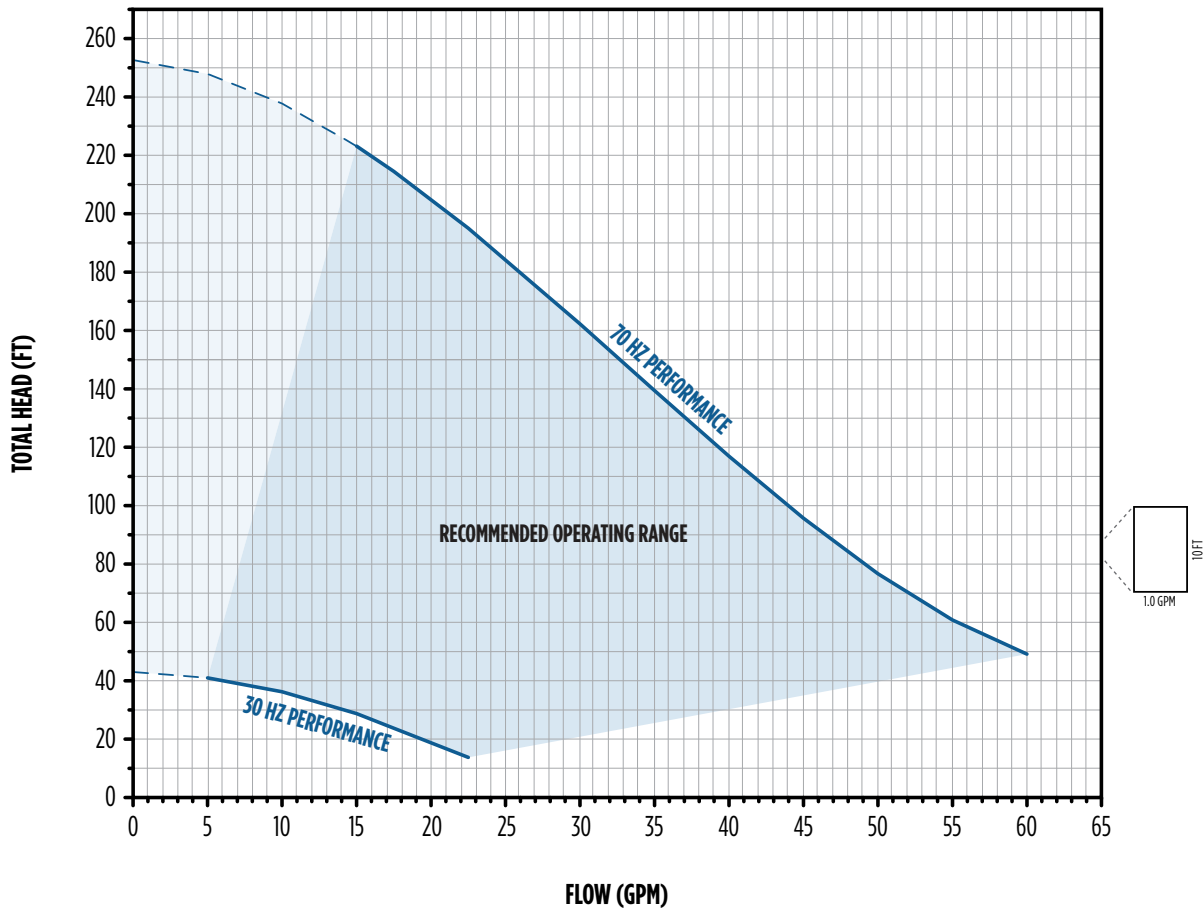


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450
3	0											36	33	29	24	19
	10										38	35	31	26	22	15
	20									38	36	34	29	24	19	
	30							40	37	36	35	32	27	22	16	
	40						39	37	36	35	34	30	24	20		
	50					39	37	36	35	34	32	27	22	16		
	60				38	37	36	35	33	32	30	25	20			
	70			38	37	36	35	33	32	30	28	23	17			
	80		38	36	35	34	33	31	29	27	25	21				
	90	37	36	35	34	33	31	29	27	25	23	18				
	100	36	35	34	33	31	29	27	25	23	21					
	110	35	34	32	30	28	26	24	23	21	18					
	120	34	32	30	28	26	24	22	20	18	14					
	130	32	30	28	26	24	22	20	17							
	140	29	27	25	23	22	20	17								
	150	27	25	23	21	19	16									
160	20	18	14													
Shut-off psi		210	201	193	184	175	167	158	149	141	132	110	89	67	46	24

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD15/75 35 GPM (1 HP PUMP END, 1.5 HP MOTOR)

35SDQP-1.5HP

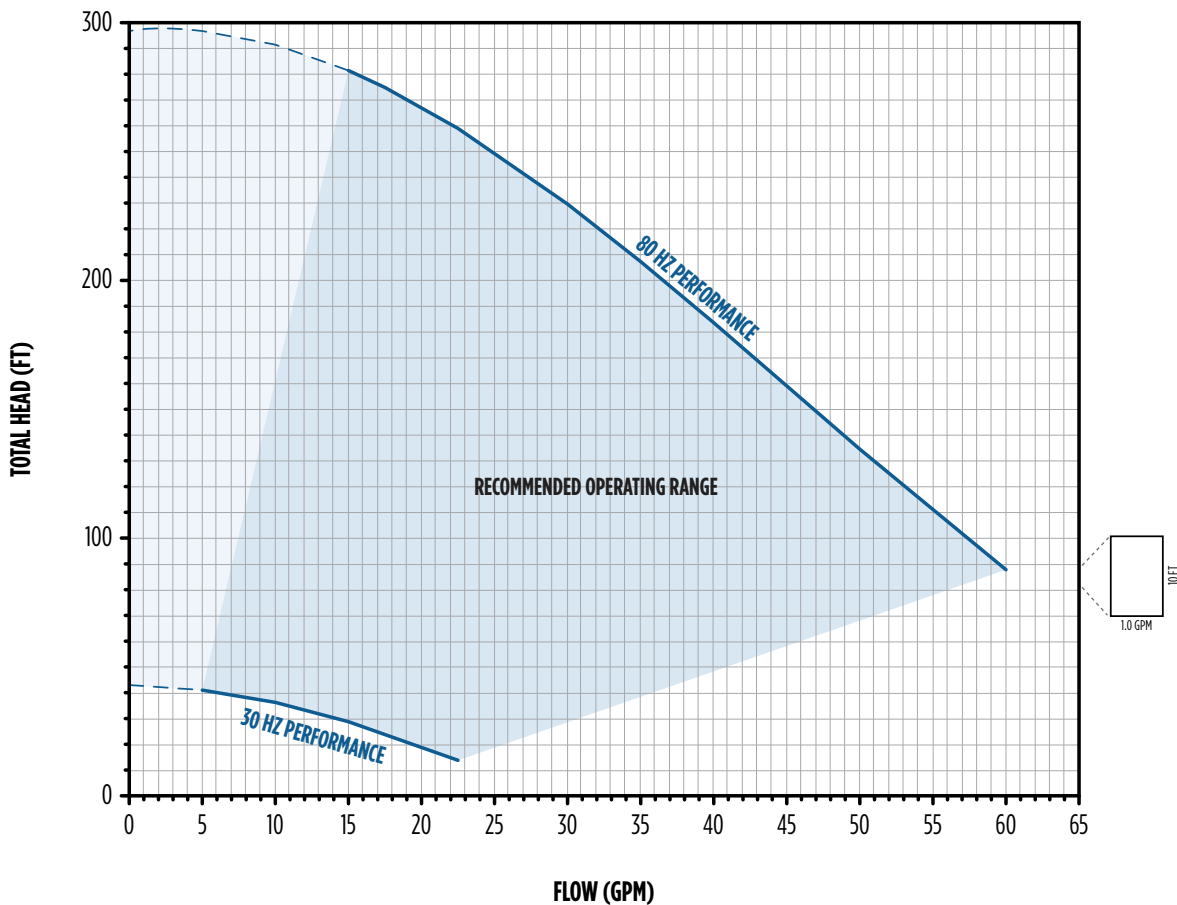


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	200
1.5	0			55	49	44	40	35	30	26	21
	10		54	48	43	39	34	29	25	21	15
	20	53	47	43	38	33	29	24	20		
	30	47	42	37	33	28	24	19			
	40	41	37	32	27	23	18				
	50	36	31	27	22	18					
	60	30	26	22	17						
	70	25	21	16							
	80	20	15								
Shut-off psi		101	92	83	75	66	57	49	40	31	23

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD20/100 35 GPM (1 HP PUMP END, 2 HP MOTOR)

35SDQP-2.0HP

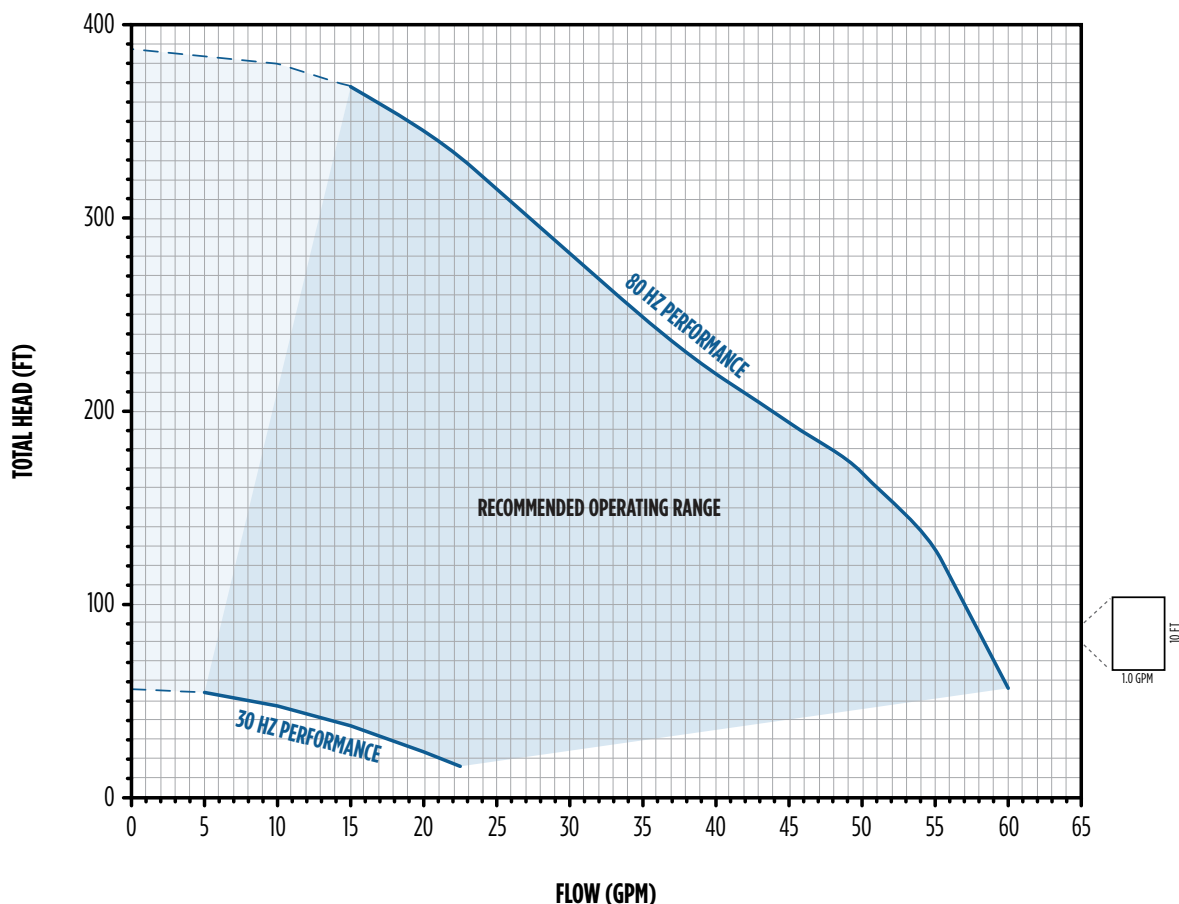


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
2	0						53	49	46	41	36	25
	10					52	48	45	41	36	31	19
	20				51	48	44	40	35	30	26	
	30			51	47	44	39	34	30	26	20	
	40	54	50	47	43	38	33	29	25	19		
	50	50	46	42	38	33	28	24	18			
	60	46	42	37	32	28	23	16				
	70	41	36	31	27	22	15					
	80	35	31	26	22							
	90	30	26	21								
	100	25	20									
	110	18										
Shut-off psi		120	111	103	94	85	77	68	59	51	42	20

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30/150 35 GPM (1.5 HP PUMP END, 3 HP MOTOR)

35SDQP-3.0HP

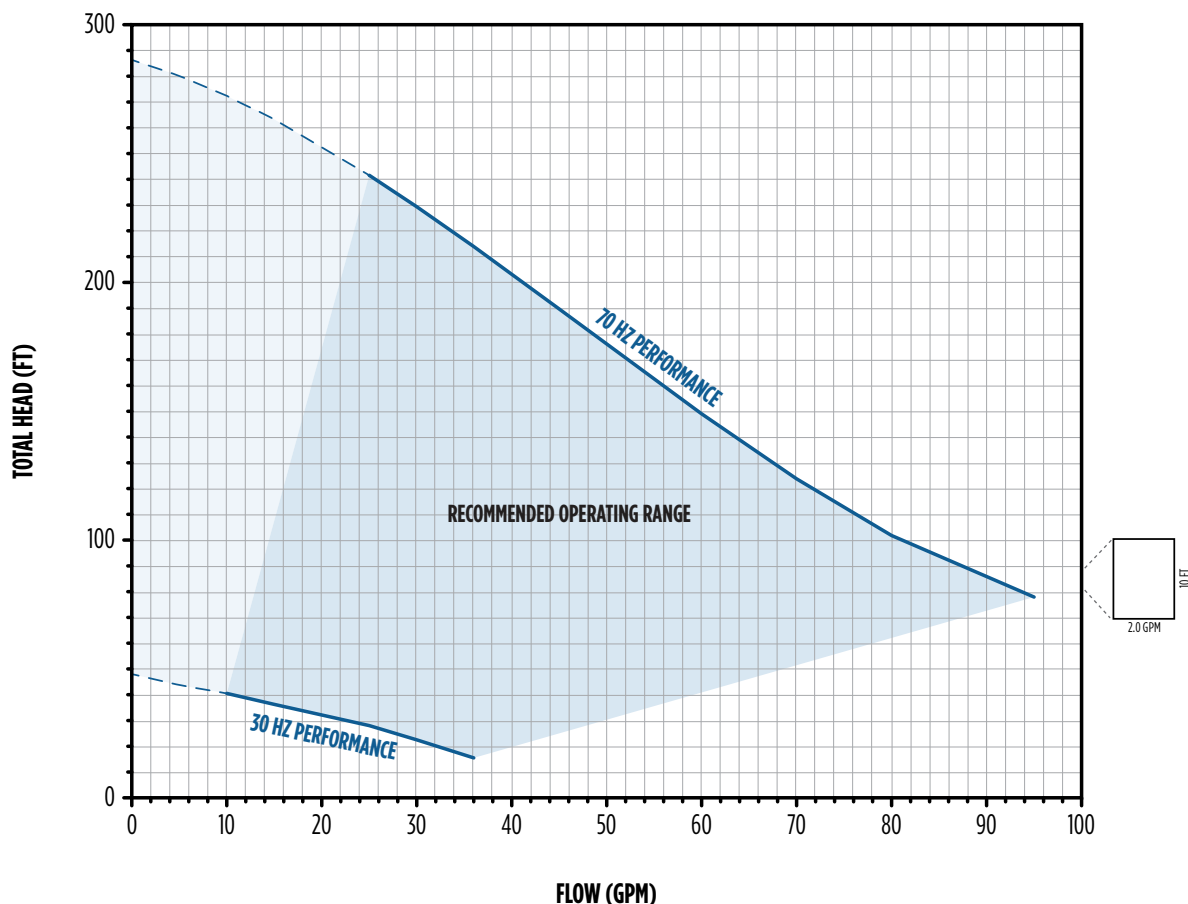


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)												
		20	40	60	80	100	120	140	160	180	200	250	300	350
3	0				58	57	55	53	51	48	44	36	27	18
	10		60	58	57	55	53	50	47	44	40	32	23	
	20	60	58	56	55	52	50	47	43	40	36	28	19	
	30	58	56	54	52	49	46	43	39	36	32	24		
	40	56	54	52	49	46	42	39	35	32	28	19		
	50	54	51	48	45	42	38	35	31	28	24			
	60	51	48	45	41	38	34	31	27	24	20			
	70	47	44	41	37	34	30	27	23	19	15			
	80	44	40	37	33	30	26	23	19					
	90	40	36	32	29	26	22	18						
	100	35	32	29	25	22	17							
	110	31	28	25	21	17								
	120	28	24	20	16									
	130	24	20	15										
	140	19												
Shut-off psi		161	152	144	135	126	118	109	101	92	83	62	40	18

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30/150 60 GPM (2 HP PUMP END, 3 HP MOTOR)

60SDQP-3.0HP

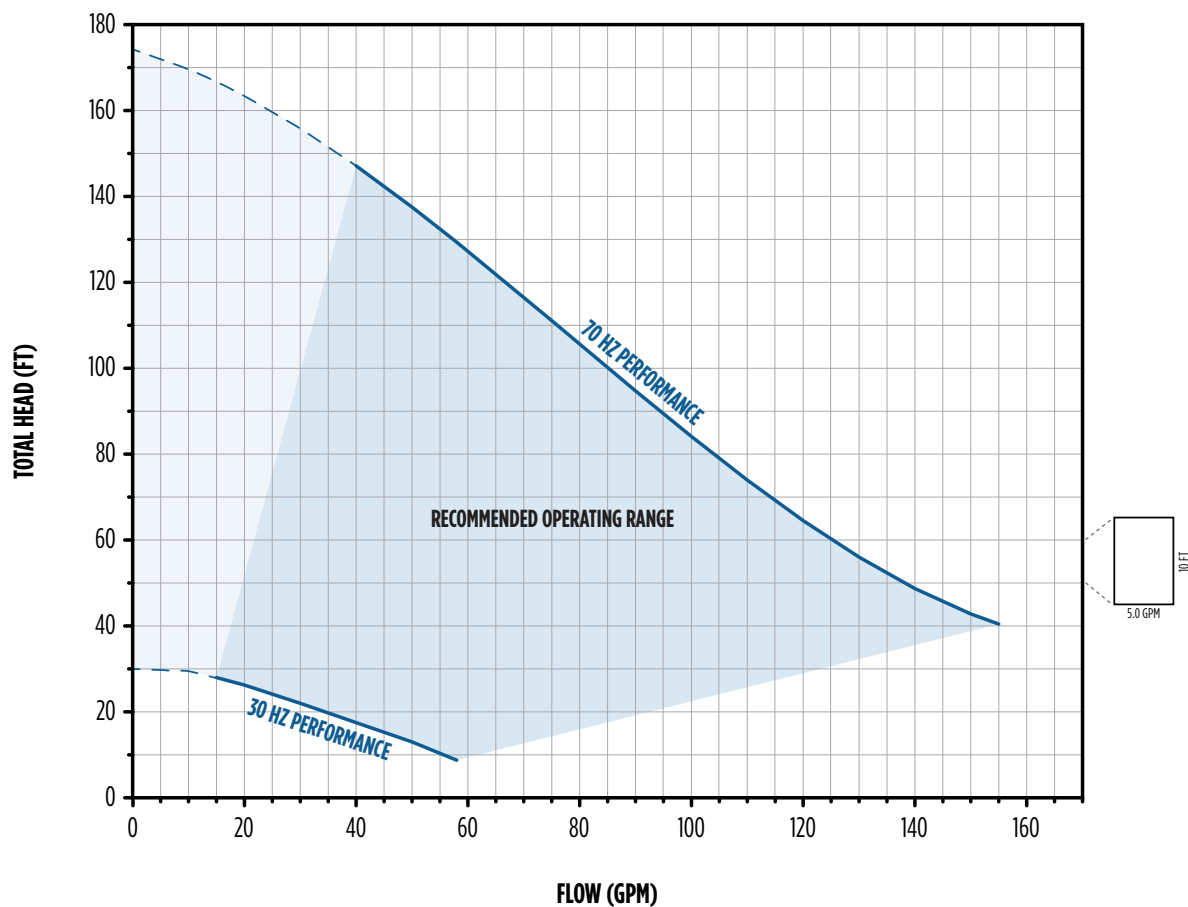


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	200
3	0				93	81	72	64	56	49	41
	10			91	79	70	62	55	47	40	32
	20		89	78	69	61	54	46	39	31	
	30	87	76	68	60	53	45	38	30		
	40	75	66	59	51	44	36	29			
	50	65	58	50	43	35	28				
	60	57	49	42	34	26					
	70	48	40	33	25						
	80	39	32								
	90	31									
Shut-off psi		115	107	98	89	81	72	63	55	46	37

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

SD30/150 90 GPM (2 HP PUMP END, 3 HP MOTOR)

90SDQP-3.0HP



HP	PSI	Depth to Pumping Water Level, or Lift (in feet)						
		20	40	60	80	100	120	140
3	0			125	104	85	66	48
	10	150	121	101	82	64	44	
	20	118	98	79	61	41		
	30	95	77	58				
	40	74	55					
	50	52						
Shut-off psi		67	58	49	41	32	23	15

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

3-WIRE QUICKPAK - ORDERING INFORMATION

NEMA 3R ENCLOSURE

QuickPAK			MonoDrive		Pump				Motor		
Order No.	Model No.	GPM	Drive Type	Part No.	HP	GPM	Design	Hydraulics	Part No.	HP	Part No.
93975111C	5-3WQP-0.5HP	5	MD	5870205003C	0.5	5	SS	3200	93870505	0.5	2145059004S
93975112C	5-3WQP-0.75HP	5	MD	5870205003C	0.75	5		3200	93870507	0.75	2145079004S
93975113C	5-3WQP-1.0HP	5	MD	5870205003C	1	5		3200	93870510	1	2145089003S
93975121C	7-3WQP-0.5HP	7	MD	5870205003C	0.5	7		3200	93870705	0.5	2145059004S
93975122C	7-3WQP-0.75HP	7	MD	5870205003C	0.75	7		3200	93870707	0.75	2145079004S
93975123C	7-3WQP-1.0HP	7	MD	5870205003C	1	7		3200	93870710	1	2145089003S
93975131C	10-3WQP-0.5HP	10	MD	5870205003C	0.5	10		DS-10	93871004	0.5	2145059004S
93975132C	10-3WQP-0.75HP	10	MD	5870205003C	0.75	10		DS-10	93871006	0.75	2145079004S
93975133C	10-3WQP-1.0HP	10	MD	5870205003C	1	10		DS-10	93871009	1	2145089003S
93975234C	10-3WQP-1.5HP	10	MDXT	5870205203C	1.5	10		DS-10	93871014	1.5	2243009203S
93975235C	10-3WQP-2.0HP	10	MDXT	5870205203C	2	10		Tri-Seal	93871020	2	2243019204S
93975141C	15-3WQP-0.5HP	15	MD	5870205003C	0.5	15		Tri-Seal	93871505	0.5	2145059004S
93975142C	15-3WQP-0.75HP	15	MD	5870205003C	0.75	15		Tri-Seal	93871507	0.75	2145079004S
93975143C	15-3WQP-1.0HP	15	MD	5870205003C	1	15		Tri-Seal	93871510	1	2145089003S
93975244C	15-3WQP-1.5HP	15	MDXT	5870205203C	1.5	15		Tri-Seal	93871515	1.5	2243009203S
93975245C	15-3WQP-2.0HP	15	MDXT	5870205203C	2	15		Tri-Seal	93871520	2	2243019204S
93975152C	20-3WQP-0.75HP	20	MD	5870205003C	0.75	20		Tri-Seal	93872007	0.75	2145079004S
93975153C	20-3WQP-1.0HP	20	MD	5870205003C	1	20		Tri-Seal	93872010	1	2145089003S
93975254C	20-3WQP-1.5HP	20	MDXT	5870205203C	1.5	20		Tri-Seal	93872015	1.5	2243009203S
93975255C	20-3WQP-2.0HP	20	MDXT	5870205203C	2	20		Tri-Seal	93872020	2	2243019204S
93975163C	25-3WQP-1.0HP	25	MD	5870205003C	1	25		Tri-Seal	93872510	1	2145089003S
93975264C	25-3WQP-1.5HP	25	MDXT	5870205203C	1.5	25		Tri-Seal	93872515	1.5	2243009203S
93975265C	25-3WQP-2.0HP	25	MDXT	5870205203C	2	25		Tri-Seal	93872525	2	2243019204S

NOTE: Verify dip switches are set properly. Please refer to the owner's manual for dip switch settings.

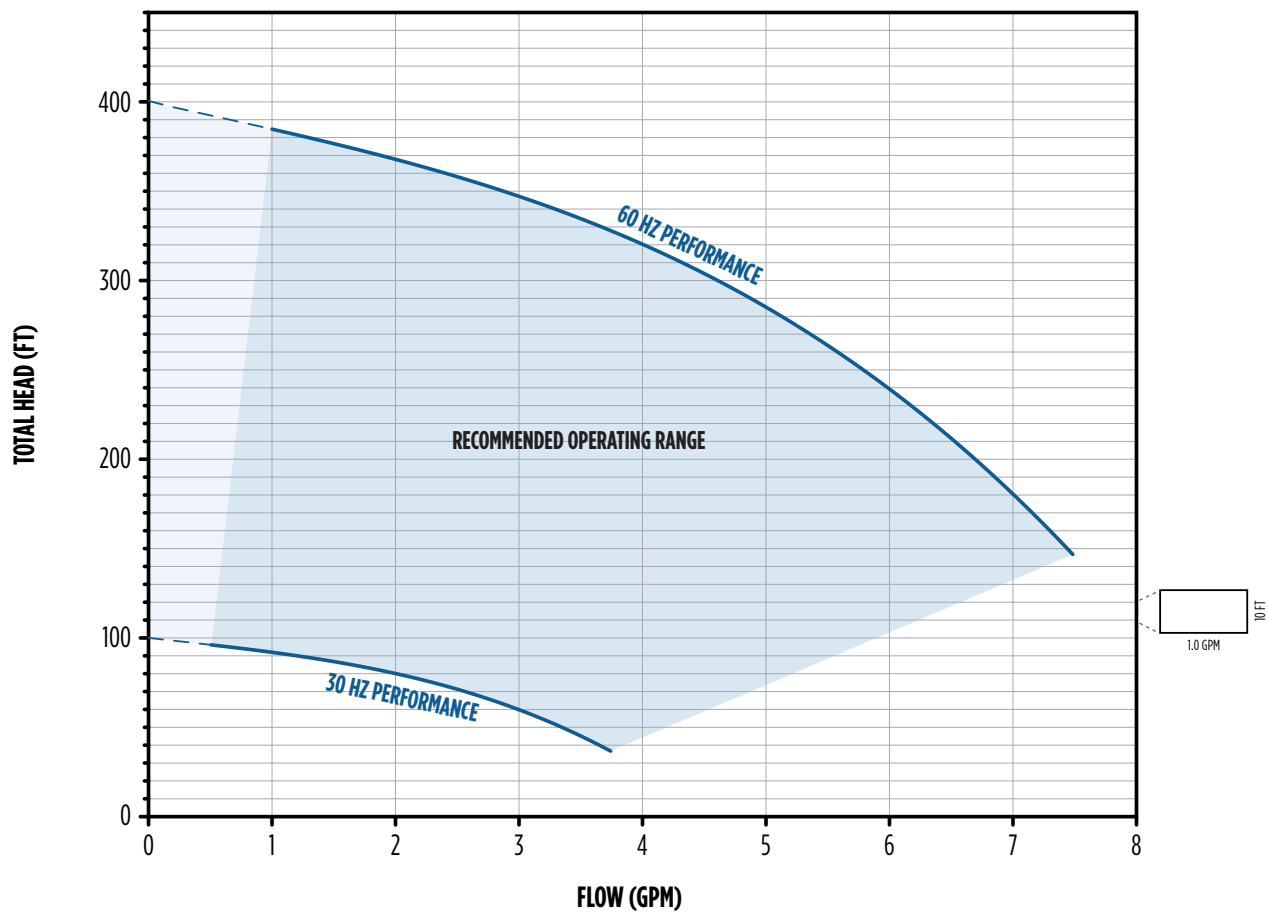
NEMA 4 ENCLOSURE

QuickPAK			SubDrive		Pump			Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	HP	GPM	Design	Hydraulics	Part No.	HP	Part No.
93970502	5-3WQP-0.5HP-N4	5	MD-N4	5870203114	0.5	5	SS	3200	93870505	0.5	2145059004S
93970504	5-3WQP-0.75HP-N4	5	MD-N4	5870203114	0.75	5		3200	93870507	0.75	2145079004S
93970506	5-3WQP-1.0HP-N4	5	MD-N4	5870203114	1	5		3200	93870510	1	2145089003S
93970702	7-3WQP-0.5HP-N4	7	MD-N4	5870203114	0.5	7		3200	93870705	0.5	2145059004S
93970704	7-3WQP-0.75HP-N4	7	MD-N4	5870203114	0.75	7		3200	93870707	0.75	2145079004S
93970706	7-3WQP-1.0HP-N4	7	MD-N4	5870203114	1	7		3200	93870710	1	2145089003S
93971002	10-3WQP-0.5HP-N4	10	MD-N4	5870203114	0.5	10		DS-10	93871004	0.5	2145059004S
93971004	10-3WQP-0.75HP-N4	10	MD-N4	5870203114	0.75	10		DS-10	93871006	0.75	2145079004S
93971006	10-3WQP-1.0HP-N4	10	MD-N4	5870203114	1	10		DS-10	93871009	1	2145089003S
93971008	10-3WQP-1.5HP-N4	10	MDXT-N4	5870204114	1.5	10		DS-10	93871014	1.5	2243009203S
93971010	10-3WQP-2.0HP-N4	10	MDXT-N4	5870204114	2	10		Tri-Seal	93871020	2	2243019204S
93971502	15-3WQP-0.5HP-N4	15	MD-N4	5870203114	0.5	15		Tri-Seal	93871505	0.5	2145059004S
93971504	15-3WQP-0.75HP-N4	15	MD-N4	5870203114	0.75	15		Tri-Seal	93871507	0.75	2145079004S
93971506	15-3WQP-1.0HP-N4	15	MD-N4	5870203114	1	15		Tri-Seal	93871510	1	2145089003S
93971508	15-3WQP-1.5HP-N4	15	MDXT-N4	5870204114	1.5	15		Tri-Seal	93871515	1.5	2243009203S
93971510	15-3WQP-2.0HP-N4	15	MDXT-N4	5870204114	2	15		Tri-Seal	93871520	2	2243019204S
93972004	20-3WQP-0.75HP-N4	20	MD-N4	5870203114	0.75	20		Tri-Seal	93872007	0.75	2145079004S
93972006	20-3WQP-1.0HP-N4	20	MD-N4	5870203114	1	20		Tri-Seal	93872010	1	2145089003S
93972008	20-3WQP-1.5HP-N4	20	MDXT-N4	5870204114	1.5	20		Tri-Seal	93872015	1.5	2243009203S
93972010	20-3WQP-2.0HP-N4	20	MDXT-N4	5870204114	2	20		Tri-Seal	93872020	2	2243019204S
93972506	25-3WQP-1.0HP-N4	25	MD-N4	5870203114	1	25		Tri-Seal	93872510	1	2145089003S
93972508	25-3WQP-1.5HP-N4	25	MDXT-N4	5870204114	1.5	25		Tri-Seal	93872515	1.5	2243009203S
93972510	25-3WQP-2.0HP-N4	25	MDXT-N4	5870204114	2	25		Tri-Seal	93872525	2	2243019204S

NOTE: Verify dip switches are set properly. Please refer to the Wiring/Configuration insert or the Quick Installation Guide for dip switch settings.

MONODRIVE 5 GPM (0.5 HP PUMP END, 0.5 HP MOTOR)

5-3WQP-0.5HP

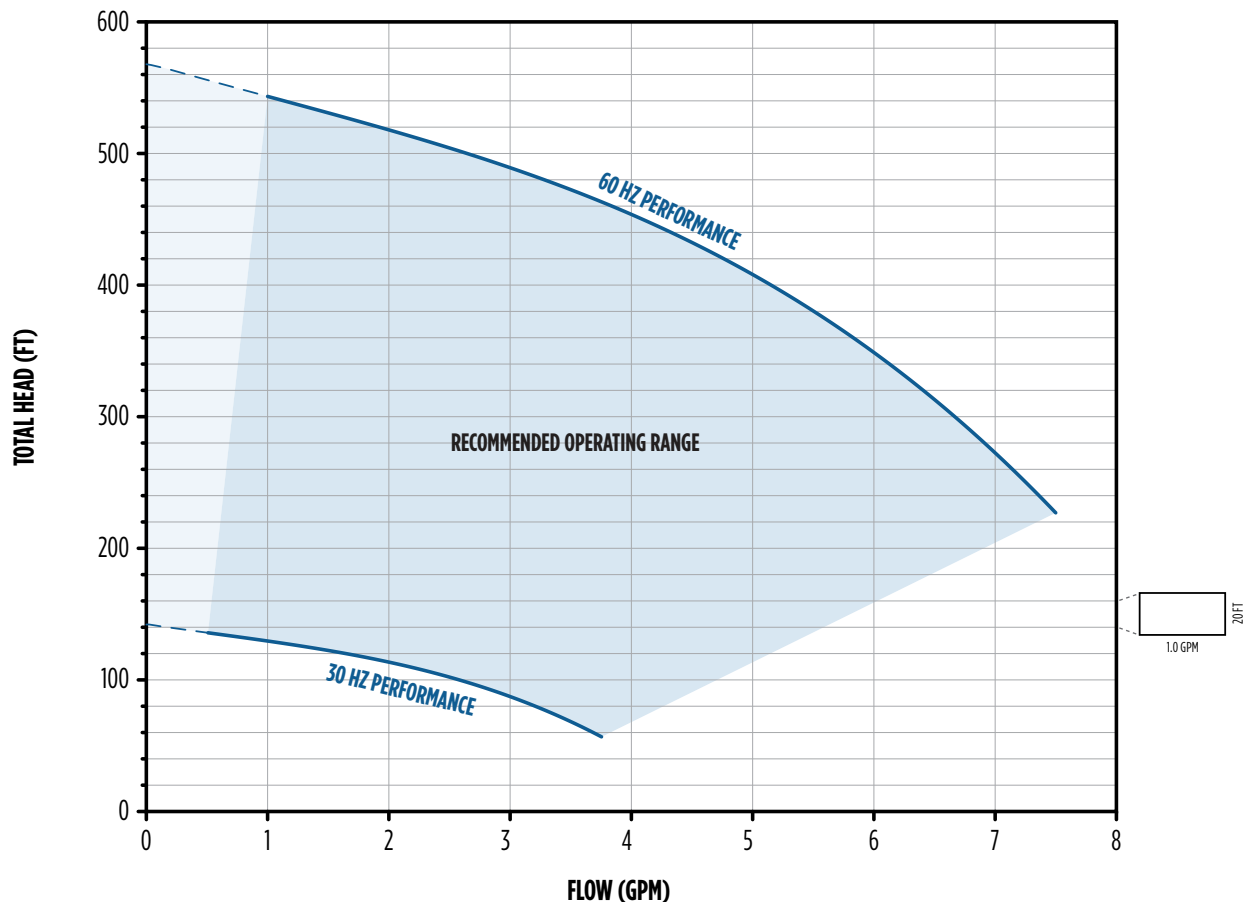


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440
.5	0					8	8	8	8	7	7	7	6	5	4	3	0	
	10				8	8	8	8	7	7	7	6	5	5	3	1	0	
	20			8	8	8	7	7	7	7	6	6	5	4	2	0		
	30		8	8	8	7	7	7	6	6	6	5	4	3	0			
	40	8	8	8	7	7	7	6	6	6	5	5	4	2	0			
	50	8	8	7	7	7	6	6	6	5	5	4	3	0				
	60	8	7	7	7	6	6	6	5	5	4	4	2	0				
	70	7	7	7	6	6	5	5	5	4	3	3	0					
	80	7	7	6	6	5	5	4	4	3	2	1	0					
Shut-off psi		173	165	156	147	139	130	121	113	104	95	87	69	52	35	17	0	

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 5 GPM (0.75 HP PUMP END, 0.75 HP MOTOR)

5-3WQP-0.75HP

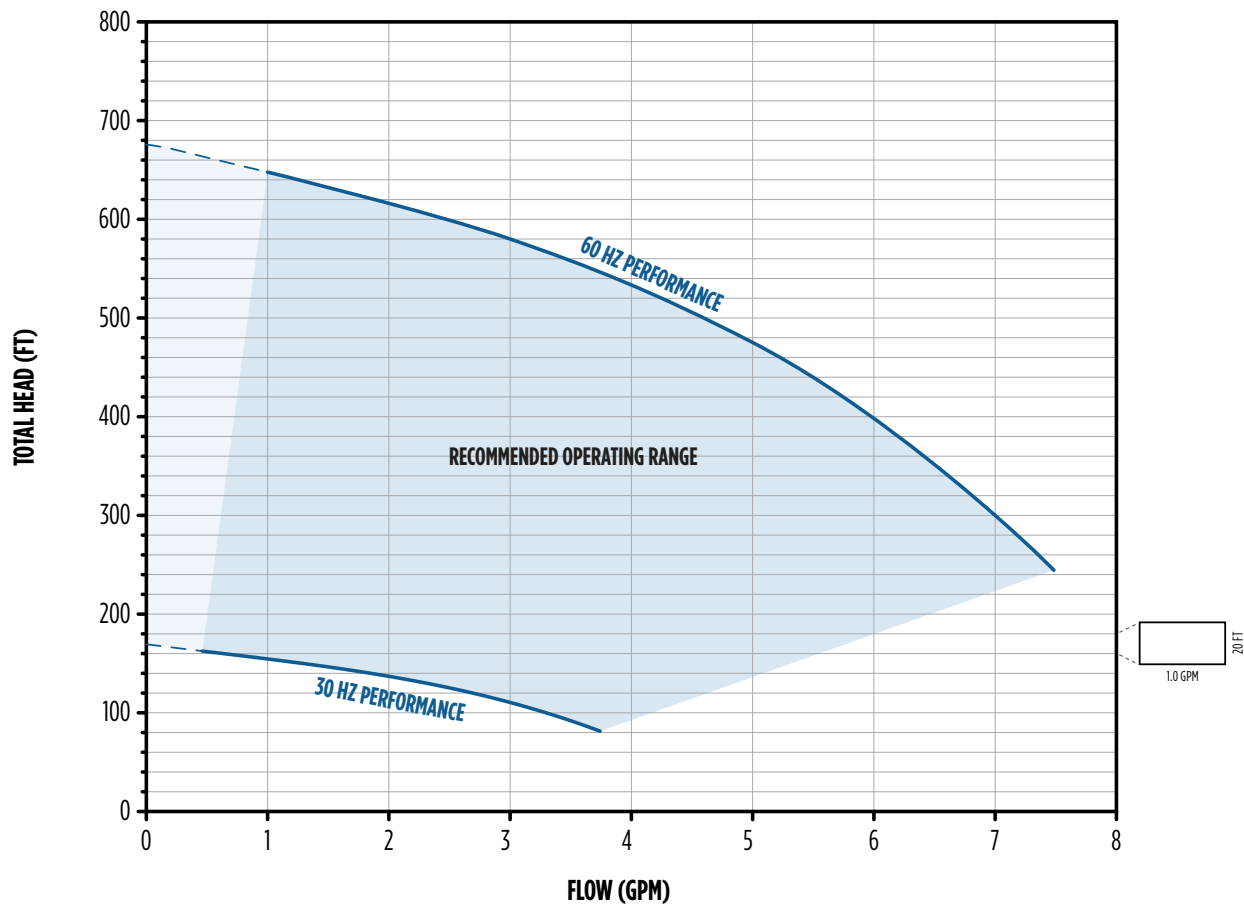


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550
.75	0										8	8	7	7	6	6	5	4	3	3	0
	10								8	8	8	8	7	7	6	5	5	4	3	2	0
	20							8	8	8	7	7	7	6	6	5	4	3	2	0	
	30						8	8	8	7	7	7	6	6	5	5	4	3	0		
	40					8	8	8	7	7	7	7	6	6	5	4	3	2	0		
	50				8	8	8	7	7	7	7	6	6	5	4	4	2	0			
	60			8	8	8	7	7	7	7	6	6	5	5	4	3	1	0			
	70	8	8	8	8	7	7	7	7	6	6	6	5	4	3	2	0				
80	8	8	7	7	7	7	7	6	6	6	5	5	4	3	0						
Shut-off psi		243	235	226	217	209	200	191	183	174	165	157	139	122	105	87	70	53	35	27	5

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 5 GPM (1 HP PUMP END, 1 HP MOTOR)

5-3WQP-1.0HP

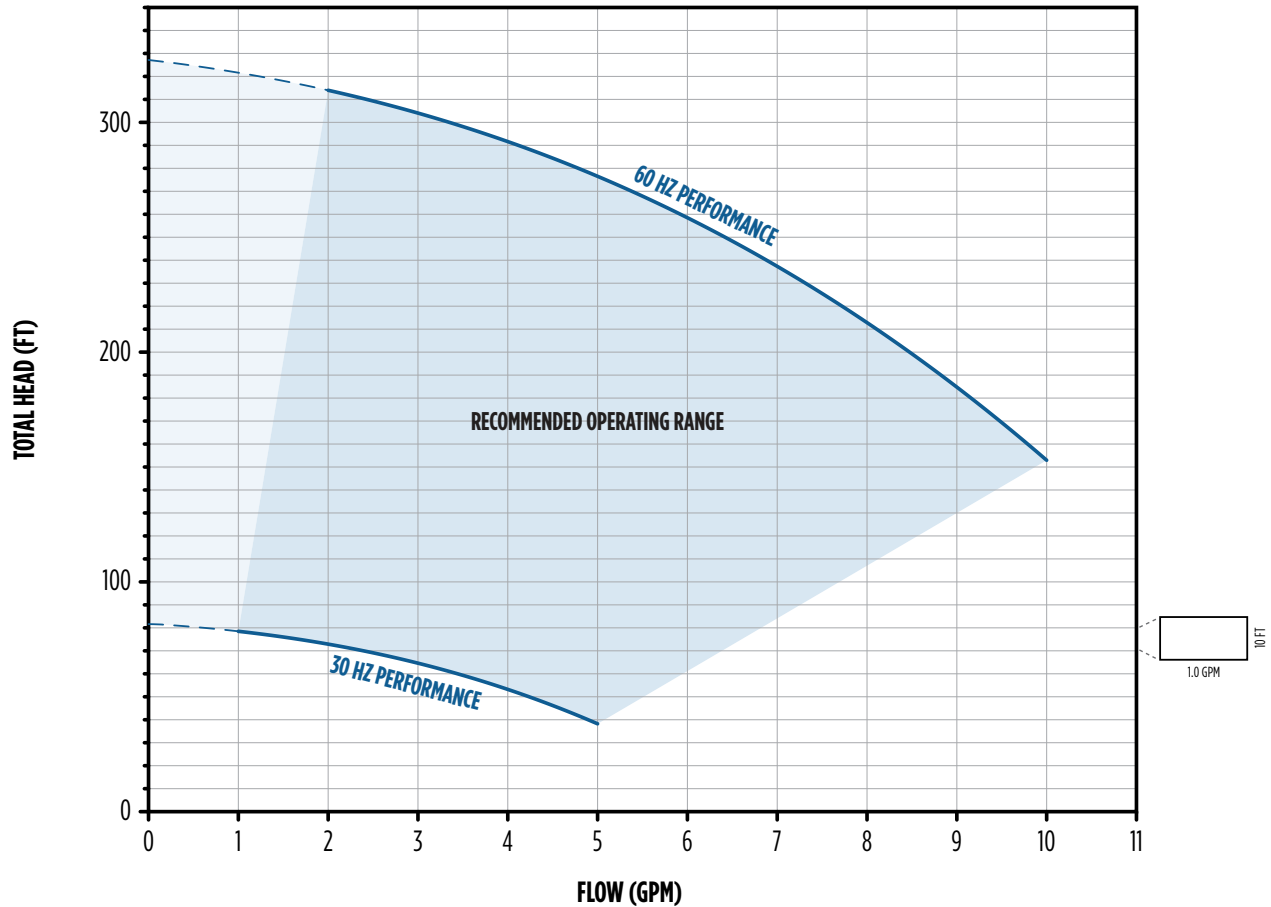


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																					
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650
1	0										8	8	7	7	6	6	5	5	5	4	3	0	
	10									8	8	7	7	7	6	6	5	5	4	3	2	0	
	20									8	8	7	7	6	6	5	5	4	4	3	0		
	30							8	8	7	7	7	6	6	6	5	4	4	3	2	0		
	40						8	8	7	7	7	7	6	6	5	5	4	3	3	1	0		
	50					8	8	7	7	7	7	6	6	5	5	4	4	3	2	0			
	60				8	8	7	7	7	7	7	6	6	5	5	4	3	2	1	0			
	70			8	8	7	7	7	7	7	6	6	5	5	4	4	3	1	0				
	80		8	8	7	7	7	7	7	6	6	6	5	5	4	3	2	0					
Shut-off psi		290	281	273	264	255	247	238	229	221	212	203	186	169	152	134	117	100	82	74	52	30	9

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 7 GPM (0.5 HP PUMP END, 0.5 HP MOTOR)

7-3WQP-0.5HP

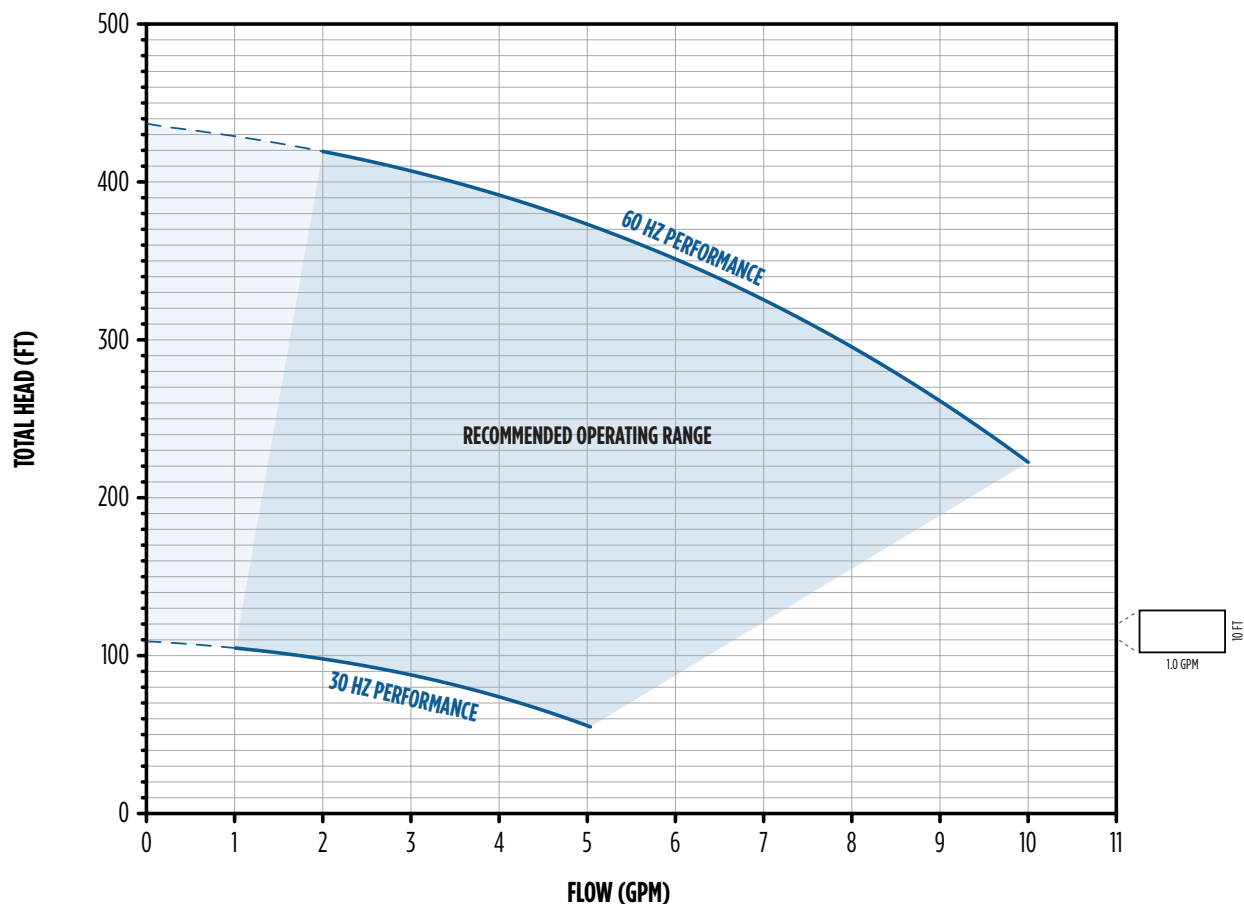


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360
.5	0							11	10	10	9	8	7	5	1	0
	10						11	10	10	9	8	8	6	3	0	
	20					11	10	10	9	8	7	7	4	0		
	30				11	10	9	9	8	7	6	5	3	0		
	40			11	10	9	9	8	7	6	5	4	0			
	50		11	10	9	9	8	7	6	5	4	2	0			
	60	10	10	9	8	8	7	6	5	4	1	0				
	70	10	9	8	8	7	6	5	3	1	0					
	80	9	8	7	7	6	5	3	0							
Shut-off psi		143	135	126	117	109	100	91	83	74	65	57	39	22	5	0

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 7 GPM (0.75 HP PUMP END, 0.75 HP MOTOR)

7-3WQP-0.75HP

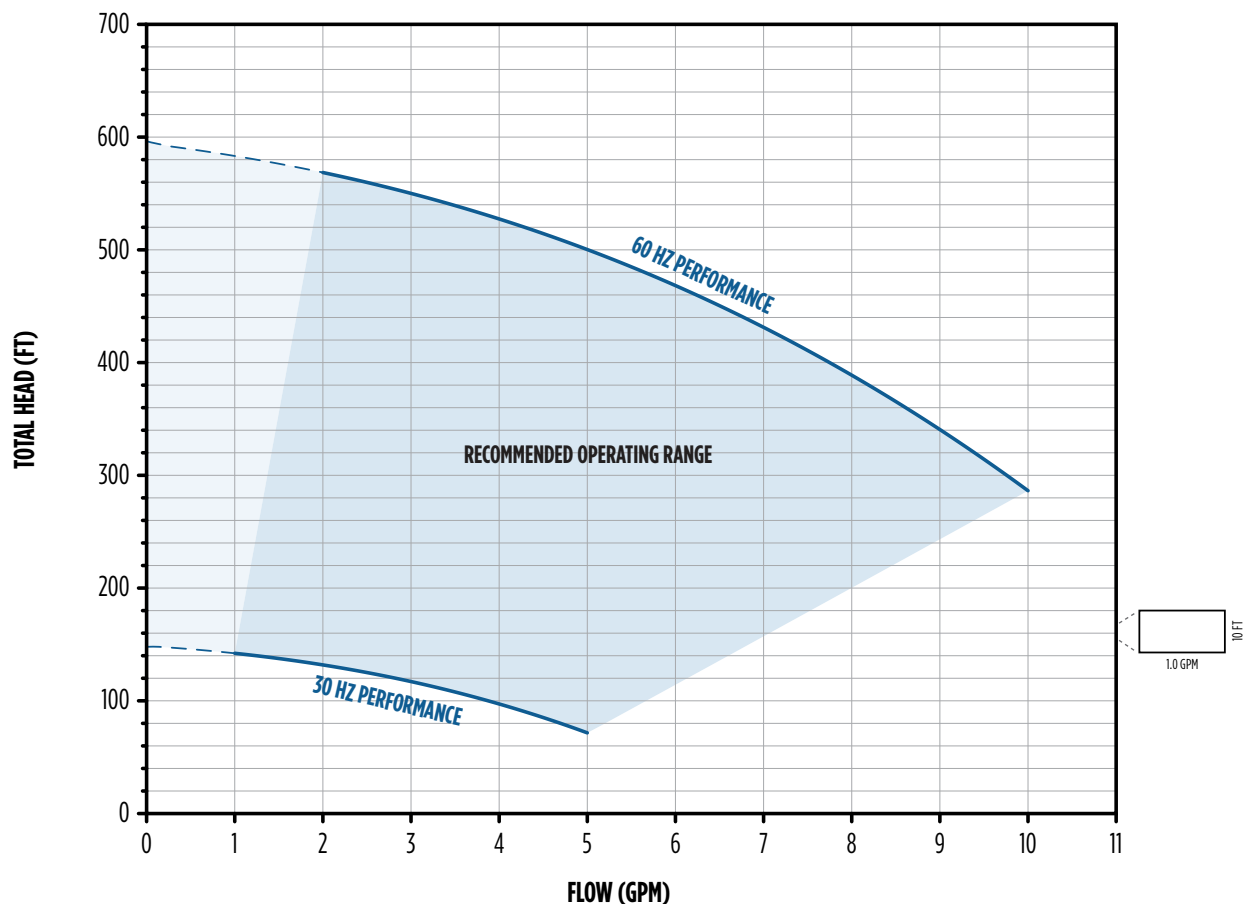


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400
.75	0										11	11	10	8	7	6	4
	10								11	11	10	10	9	8	6	5	2
	20							11	11	10	10	9	8	7	5	3	0
	30						11	11	10	10	9	9	8	6	4	1	0
	40					11	11	10	10	9	9	8	7	5	3	0	
	50				11	11	10	10	9	9	8	7	6	4	0		
	60			11	11	10	10	9	8	8	7	6	5	2	0		
	70	11	11	10	10	9	9	8	8	7	6	6	3	0			
	80	11	10	10	9	9	8	8	7	6	5	4	1	0			
Shut-off psi		190	181	173	164	155	147	138	129	121	112	103	86	69	52	34	17

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 7 GPM (1 HP PUMP END, 1 HP MOTOR)

7-3WQP-1.0HP

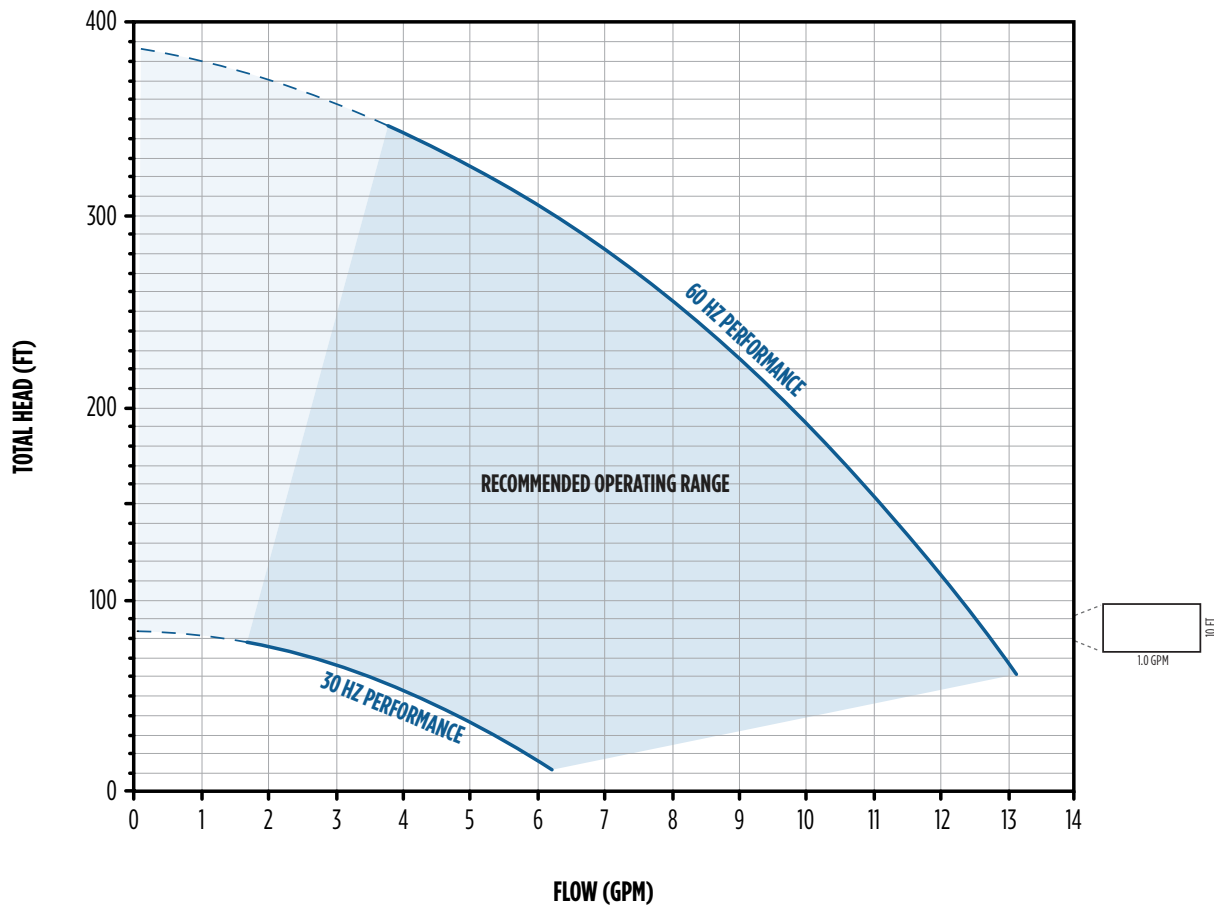


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550
1	0											11	11	10	9	9	8	7	6	5	3
	10										11	11	10	10	9	8	7	6	5	4	2
	20										11	11	10	9	8	8	7	6	4	3	0
	30									11	11	10	10	9	8	7	6	5	3	2	0
	40									11	10	10	9	8	7	6	5	4	2	0	
	50							11	10	10	10	9	9	8	7	6	5	3	0		
	60						11	10	10	10	9	9	8	7	6	5	4	1	0		
	70					11	10	10	10	9	9	9	8	7	6	4	2	0			
	80			11	11	10	10	10	9	9	8	8	7	6	5	3	1	0			
Shut-off psi		258	249	241	232	223	215	206	197	189	180	171	154	137	119	102	85	68	50	42	20

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 10 GPM (0.5 HP PUMP END, 0.5 HP MOTOR)

10-3WQP-0.5HP

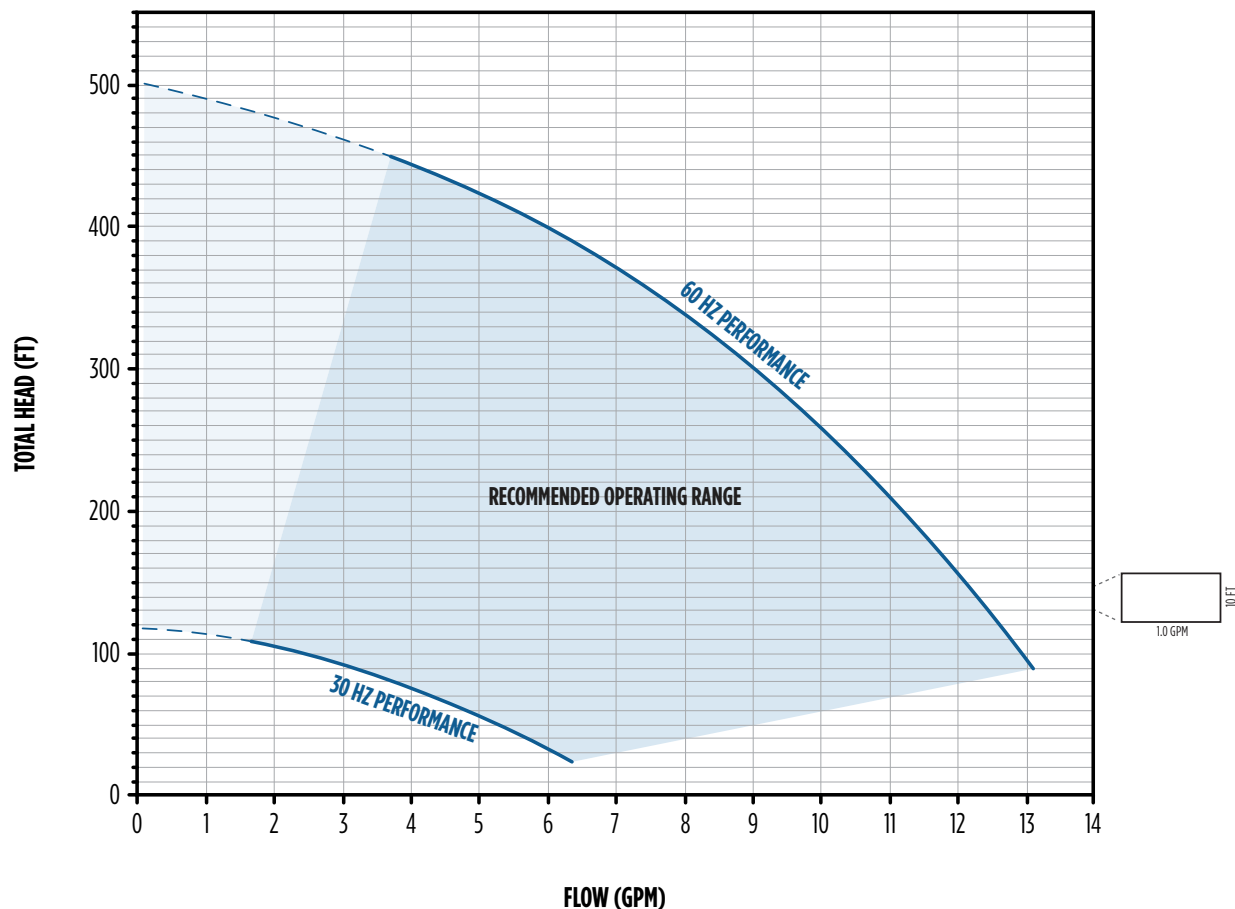


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
.5	0				12.7	12.3	11.9	11.4	10.9	10.4	9.8	8.3	6.3
	10			12.7	12.2	11.8	11.3	10.8	10.3	9.7	9.1	7.4	5.2
	20	13.0	12.6	12.2	11.7	11.2	10.7	10.2	9.6	9.0	8.4	6.5	3.9
	30	12.5	12.1	11.6	11.2	10.7	10.1	9.5	8.9	8.3	7.6	5.4	2.1
	40	12.0	11.6	11.1	10.6	10.0	9.5	8.8	8.2	7.4	6.6	4.1	
	50	11.5	11.0	10.5	9.9	9.4	8.7	8.1	7.3	6.5	5.6	2.5	
	60	10.9	10.4	9.9	9.3	8.6	8.0	7.2	6.4	5.4	4.3		
	70	10.3	9.8	9.2	8.5	7.8	7.1	6.2	5.3	4.2	2.8		
	80	9.7	9.1	8.4	7.7	7.0	6.1	5.1	4.0	2.5	0.4		
	90	9.0	8.3	7.6	6.8	6.0	5.0	3.8	2.2				
	100	8.2	7.5	6.7	5.8	4.8	3.6	2.0					
	110	7.4	6.6	5.7	4.6	3.3	1.7						
	120	6.4	5.5	4.4	3.1	1.3							
	130	5.4	4.2	2.9	1.0								
	140	4.1	2.6	0.6									
	150	2.4	0.2										
	160												
Shut-off psi		159	150	142	133	124	116	107	98	90	81	60	38

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 10 GPM (0.75 HP PUMP END, 0.75 HP MOTOR)

10-3WQP-0.75HP

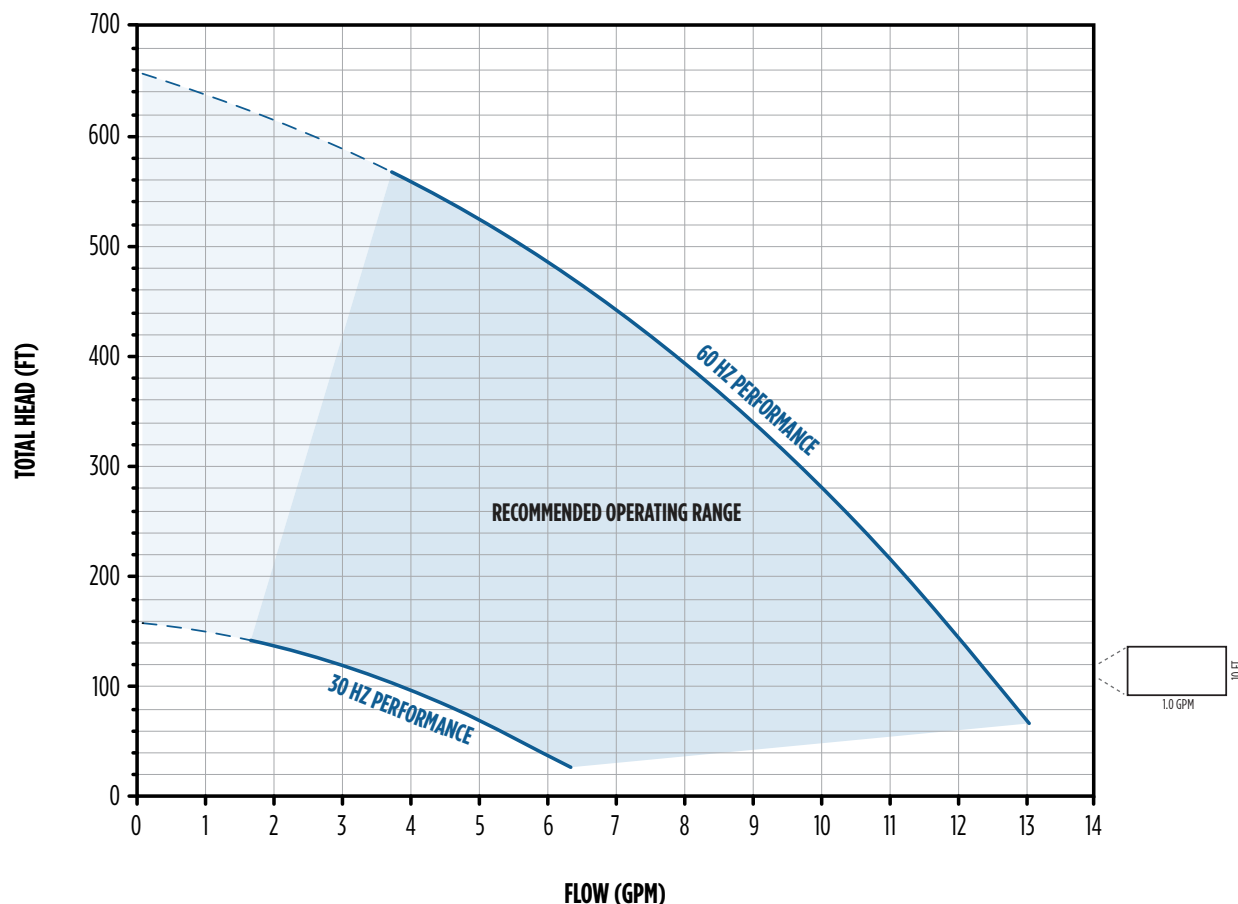


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450
.75	0					13.0	12.6	12.3	12.0	11.6	11.2	10.2	9.1	7.7	6.0	3.7
	10				12.9	12.6	12.3	11.9	11.6	11.2	10.8	9.7	8.5	7.0	5.1	2.3
	20			12.9	12.5	12.2	11.9	11.5	11.1	10.7	10.3	9.2	7.8	6.1	3.9	0.5
	30		12.8	12.5	12.2	11.8	11.4	11.1	10.7	10.2	9.8	8.6	7.1	5.2	2.6	
	40	12.8	12.4	12.1	11.8	11.4	11.0	10.6	10.2	9.7	9.3	7.9	6.3	4.1	0.9	
	50	12.4	12.1	11.7	11.3	10.9	10.5	10.1	9.7	9.2	8.7	7.2	5.4	2.8		
	60	12.0	11.6	11.3	10.9	10.5	10.0	9.6	9.1	8.6	8.0	6.4	4.3	1.2		
	70	11.6	11.2	10.8	10.4	10.0	9.5	9.0	8.5	7.9	7.3	5.5	3.1			
	80	11.1	10.8	10.3	9.9	9.4	8.9	8.4	7.9	7.2	6.6	4.5	1.5			
	90	10.7	10.3	9.8	9.4	8.9	8.3	7.8	7.1	6.5	5.7	3.3				
	100	10.2	9.8	9.3	8.8	8.2	7.7	7.0	6.3	5.6	4.7	1.8				
	110	9.7	9.2	8.7	8.2	7.6	6.9	6.2	5.4	4.5	3.5					
	120	9.1	8.6	8.1	7.5	6.8	6.1	5.3	4.4	3.3	2.0					
	130	8.5	8.0	7.4	6.7	6.0	5.2	4.2	3.1	1.8						
	140	7.9	7.3	6.6	5.9	5.0	4.1	3.0	1.6							
	150	7.2	6.5	5.7	4.9	3.9	2.8	1.3								
	160	6.4	5.6	4.8	3.8	2.6	1.1									
Shut-off psi		208	200	191	182	174	165	156	148	139	130	109	87	66	44	22

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 10 GPM (1 HP PUMP END, 1 HP MOTOR)

10-3WQP-1.0HP

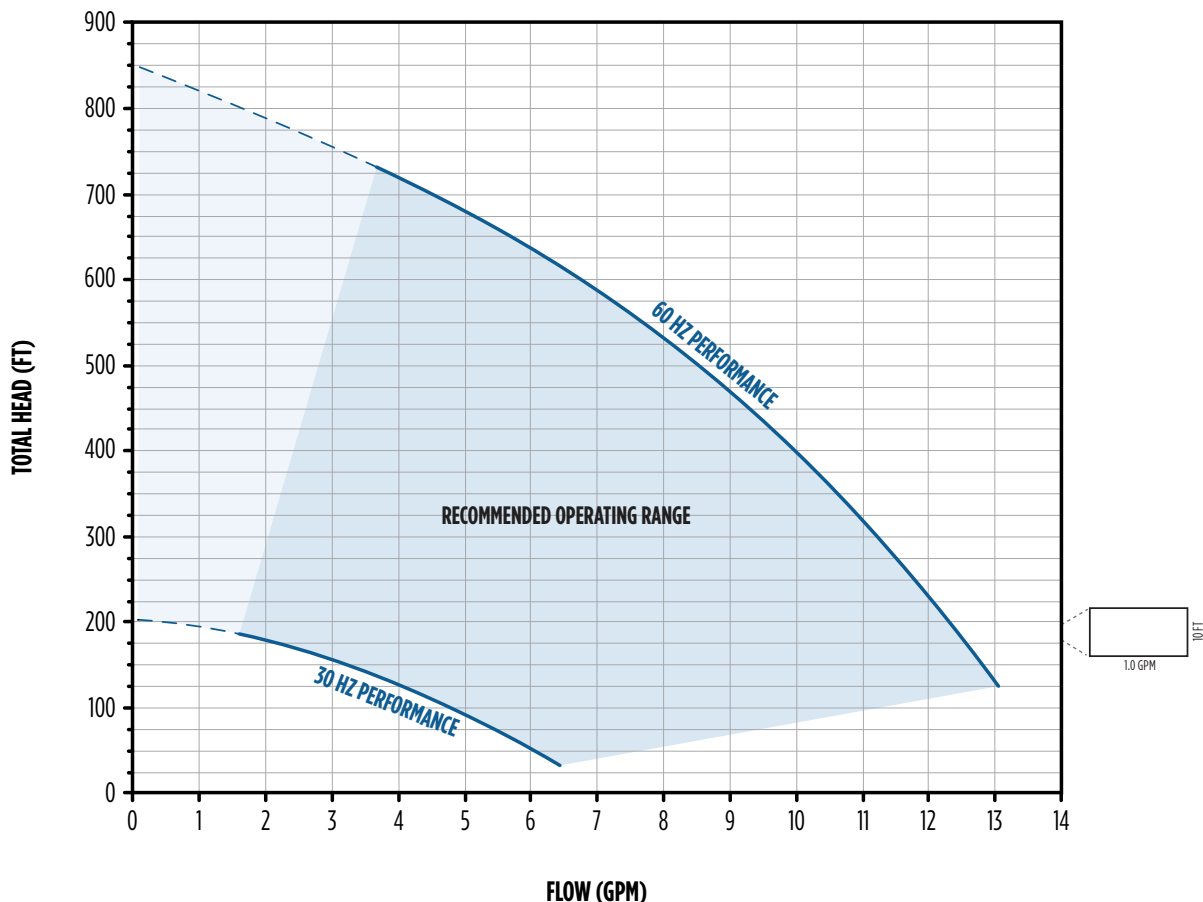


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
1	0				12.9	12.7	12.4	12.1	11.9	11.6	11.3	10.5	9.7	8.9	7.9	6.9	5.7	4.4
	10			12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.2	9.3	8.4	7.4	6.3	5.1	3.6
	20		12.9	12.6	12.3	12.1	11.8	11.5	11.2	10.9	10.6	9.8	8.9	8.0	7.0	5.8	4.5	2.9
	30	12.8	12.6	12.3	12.0	11.7	11.4	11.2	10.9	10.5	10.2	9.4	8.5	7.5	6.4	5.2	3.8	2.0
	40	12.5	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.2	9.8	9.0	8.1	7.0	5.9	4.6	3.0	0.9
	50	12.2	11.9	11.6	11.4	11.1	10.8	10.4	10.1	9.8	9.5	8.6	7.6	6.5	5.3	3.9	2.1	
	60	11.9	11.6	11.3	11.0	10.7	10.4	10.1	9.7	9.4	9.1	8.1	7.1	6.0	4.7	3.1	1.1	
	70	11.6	11.3	11.0	10.7	10.3	10.0	9.7	9.4	9.0	8.6	7.7	6.6	5.4	4.0	2.3		
	80	11.2	10.9	10.6	10.3	10.0	9.6	9.3	8.9	8.6	8.2	7.2	6.1	4.8	3.3	1.3		
	90	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.5	8.1	7.8	6.7	5.5	4.1	2.4			
	100	10.5	10.2	9.9	9.5	9.2	8.8	8.5	8.1	7.7	7.3	6.2	4.9	3.4	1.4			
	110	10.1	9.8	9.5	9.1	8.8	8.4	8.0	7.6	7.2	6.8	5.6	4.2	2.6	0.2			
	120	9.8	9.4	9.1	8.7	8.4	8.0	7.6	7.1	6.7	6.3	5.0	3.5	1.6				
	130	9.4	9.0	8.7	8.3	7.9	7.5	7.1	6.6	6.2	5.7	4.3	2.7	0.5				
	140	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.1	5.6	5.1	3.6	1.8					
	150	8.6	8.2	7.8	7.4	6.9	6.5	6.0	5.5	5.0	4.5	2.8	0.7					
	160	8.1	7.7	7.3	6.9	6.4	6.0	5.5	4.9	4.4	3.8	1.9						
Shut-off psi		276	267	259	250	241	233	224	215	207	198	176	155	133	111	90	68	46

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 10 GPM (1.5 HP PUMP END, 1.5 HP MOTOR)

10-3WQP-1.5HP

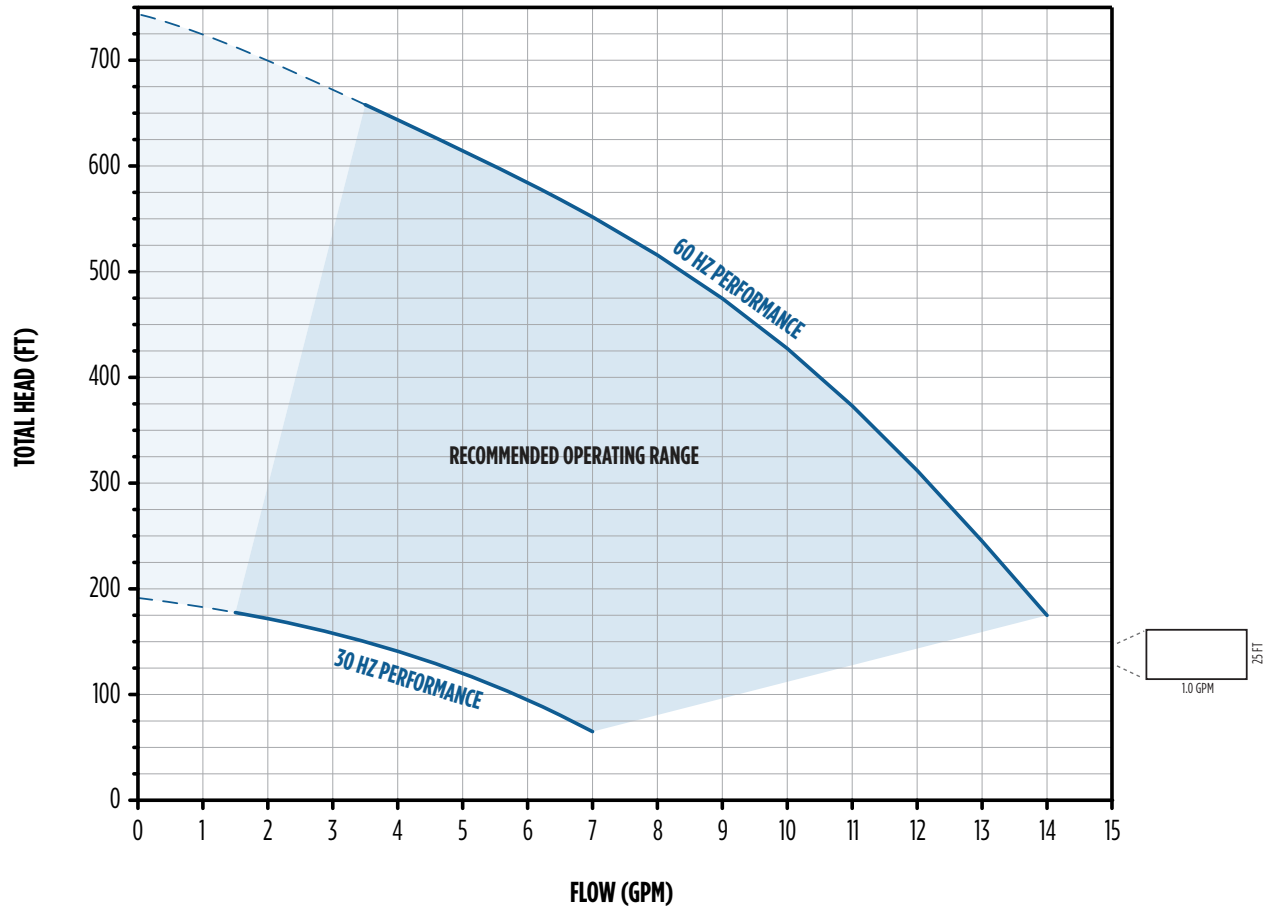


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
1.5	0							13.0	12.8	12.6	12.4	11.8	11.3	10.7	10.0	9.3	8.6	7.7	6.8	5.8	4.6
	10						12.9	12.7	12.5	12.3	12.1	11.6	11.0	10.4	9.7	9.0	8.2	7.3	6.4	5.3	4.0
	20					12.9	12.7	12.5	12.3	12.1	11.9	11.3	10.7	10.1	9.4	8.6	7.8	6.9	5.9	4.7	3.4
	30				12.9	12.7	12.5	12.3	12.1	11.8	11.6	11.0	10.4	9.8	9.1	8.3	7.4	6.4	5.3	4.1	2.7
	40		13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.4	10.8	10.1	9.4	8.7	7.9	7.0	5.9	4.8	3.5	2.0
	50	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.3	11.1	10.5	9.8	9.1	8.3	7.5	6.5	5.4	4.2	2.8	1.2
	60	12.8	12.6	12.4	12.2	12.0	11.7	11.5	11.3	11.1	10.8	10.2	9.5	8.8	7.9	7.0	6.0	4.9	3.6	2.1	0.5
	70	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.0	10.8	10.5	9.9	9.2	8.4	7.5	6.6	5.5	4.3	2.9	1.4	
	80	12.3	12.1	11.9	11.7	11.4	11.2	11.0	10.7	10.5	10.2	9.6	8.8	8.0	7.1	6.1	5.0	3.7	2.2	0.6	
	90	12.1	11.9	11.6	11.4	11.2	10.9	10.7	10.4	10.2	9.9	9.2	8.5	7.6	6.7	5.6	4.4	3.0	1.5		
	100	11.8	11.6	11.4	11.1	10.9	10.7	10.4	10.2	9.9	9.6	8.9	8.1	7.2	6.2	5.1	3.8	2.3	0.7		
	110	11.6	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.6	9.3	8.5	7.7	6.7	5.7	4.5	3.1	1.6			
	120	11.3	11.1	10.8	10.6	10.3	10.1	9.8	9.5	9.2	8.9	8.1	7.3	6.3	5.2	3.9	2.5	0.9			
	130	11.0	10.8	10.5	10.3	10.0	9.8	9.5	9.2	8.9	8.6	7.7	6.8	5.8	4.6	3.2	1.7				
	140	10.8	10.5	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.2	7.3	6.3	5.2	4.0	2.6	1.0				
	150	10.5	10.2	9.9	9.7	9.4	9.1	8.8	8.5	8.1	7.8	6.9	5.9	4.7	3.4	1.9	0.2				
	160	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.4	6.4	5.3	4.1	2.7	1.1					
Shut-off psi		360	351	343	334	325	317	308	299	291	282	260	239	217	195	174	152	131	109	87	66

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 10 GPM (2 HP PUMP END, 2 HP MOTOR)

10-3WQP-2.0HP

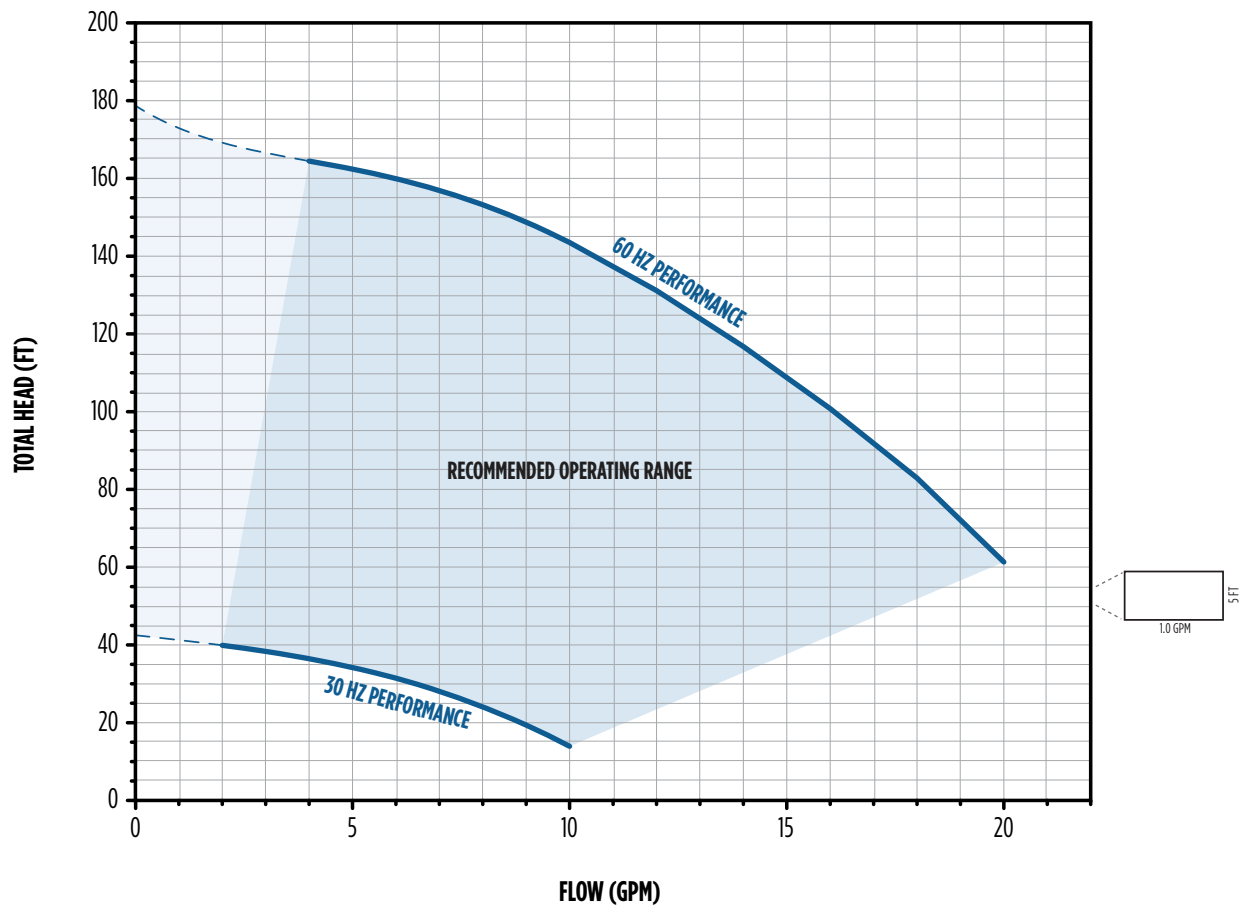


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
2	0									13.9	13.6	12.9	12.2	11.4	10.6	9.5	8.3	7.0	5.5	3.8	2.0
	10								13.9	13.5	13.3	12.6	11.9	11.1	10.1	9.0	7.7	6.3	4.8	3.0	1.0
	20							13.8	13.5	13.2	12.9	12.2	11.5	10.6	9.6	8.4	7.1	5.6	4.0	2.1	
	30						13.8	13.5	13.2	12.9	12.6	11.9	11.1	10.2	9.1	7.8	6.4	4.9	3.1	1.2	
	40					13.7	13.4	13.1	12.8	12.6	12.3	11.6	10.7	9.7	8.5	7.2	5.7	4.1	2.3	0.2	
	50			14.0	13.7	13.4	13.1	12.8	12.5	12.3	12.0	11.2	10.3	9.2	7.9	6.6	5.0	3.3	1.3		
	60		14.0	13.6	13.3	13.0	12.8	12.5	12.2	11.9	11.6	10.8	9.8	8.6	7.3	5.9	4.2	2.4	0.3		
	70	13.9	13.6	13.3	13.0	12.7	12.4	12.2	11.9	11.6	11.3	10.3	9.3	8.0	6.7	5.1	3.4	1.5			
	80	13.5	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.8	9.9	8.7	7.4	6.0	4.4	2.6	0.5			
	90	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.1	10.8	10.4	9.4	8.1	6.8	5.3	3.6	1.6				
	100	12.9	12.6	12.3	12.0	11.7	11.4	11.1	10.7	10.4	9.9	8.8	7.5	6.1	4.5	2.7	0.7				
	110	12.6	12.3	12.0	11.7	11.4	11.0	10.7	10.3	9.9	9.4	8.2	6.9	5.4	3.7	1.8					
	120	12.2	11.9	11.6	11.3	11.0	10.6	10.2	9.8	9.4	8.9	7.6	6.2	4.6	2.9	0.8					
	130	11.9	11.6	11.3	10.9	10.6	10.2	9.7	9.3	8.8	8.3	7.0	5.5	3.8	2.0						
	140	11.5	11.2	10.9	10.5	10.1	9.7	9.2	8.8	8.3	7.7	6.3	4.7	3.0	1.0						
	150	11.2	10.8	10.4	10.0	9.6	9.2	8.7	8.2	7.7	7.1	5.6	4.0	2.1							
	160	9.8	9.4	8.9	8.5	7.9	7.4	6.8	6.3	5.6	5.0	3.3	1.3								
Shut-off psi		313	305	296	287	279	270	261	253	244	235	214	192	170	149	127	106	84	62	41	19

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 15 GPM (0.5 HP PUMP END, 0.5 HP MOTOR)

15-3WQP-0.5HP

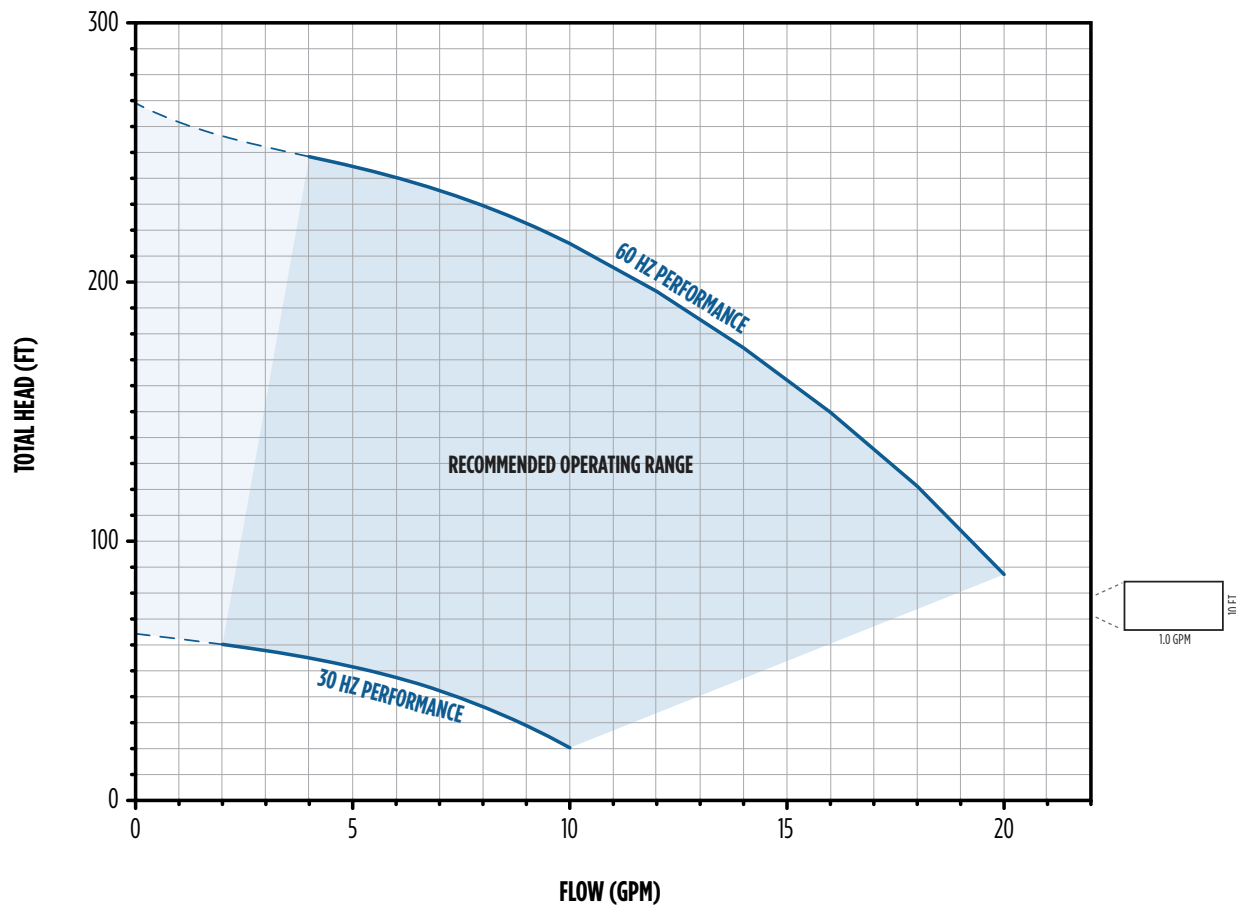


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)								
		20	40	60	80	100	120	140	160	180
.5	0				18.8	15.6	13.7	11.1	5.5	
	10		20.2	18.3	15.2	13.4	10.5	4.4		
	20	20.3	17.7	14.9	13.1	9.8	3.4			
	30	17.2	14.6	12.8	9.0	2.3				
	40	14.3	12.4	8.0	1.3					
	50	11.9	7.1	0.4						
	60	6.0								
Shut-off psi		69	60	51	43	34	25	17	8	

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 15 GPM (0.75 HP PUMP END, 0.75 HP MOTOR)

15-3WQP-0.75HP

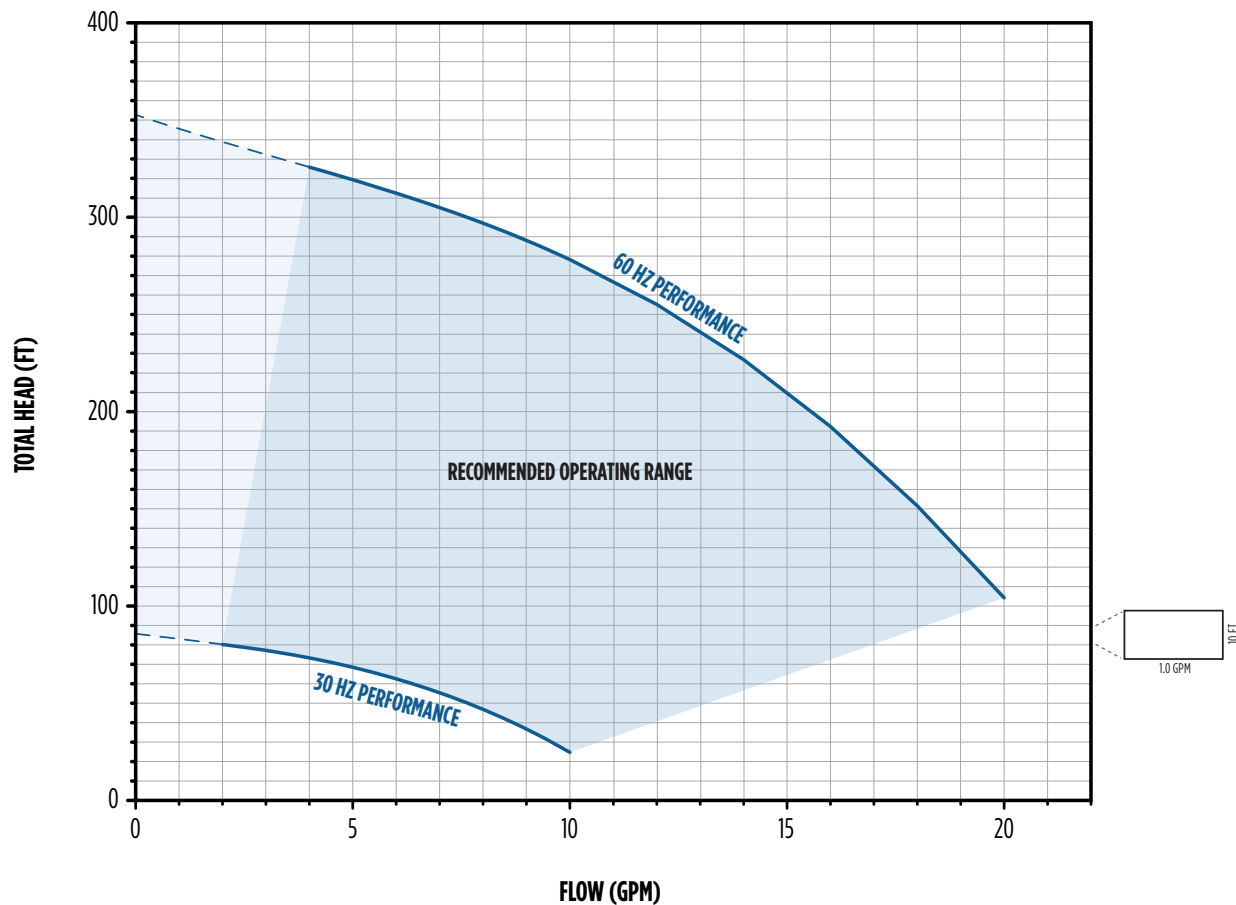


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
.75	0					20.0	18.3	16.4	14.9	13.6	12.0	3.6
	10				19.8	18.0	16.1	14.7	13.4	11.7	9.0	
	20			19.6	17.7	15.9	14.5	13.2	11.4	8.5	4.4	
	30	20.1	19.3	17.4	15.7	14.3	13.0	11.0	7.9	3.8		
	40	19.1	17.1	15.4	14.1	12.7	10.6	7.3	3.1			
	50	16.8	15.2	13.9	12.5	10.2	6.7	2.4				
	60	15.0	13.7	12.2	9.7	6.1	1.7					
	70	13.5	11.9	9.2	5.4	1.1						
	80	11.5	8.7	4.8	0.5							
	90	8.2	4.1									
	100	3.4										
Shut-off psi		108	99	90	82	73	65	56	47	39	30	8

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 15 GPM (1 HP PUMP END, 1 HP MOTOR)

15-3WQP-1.0HP

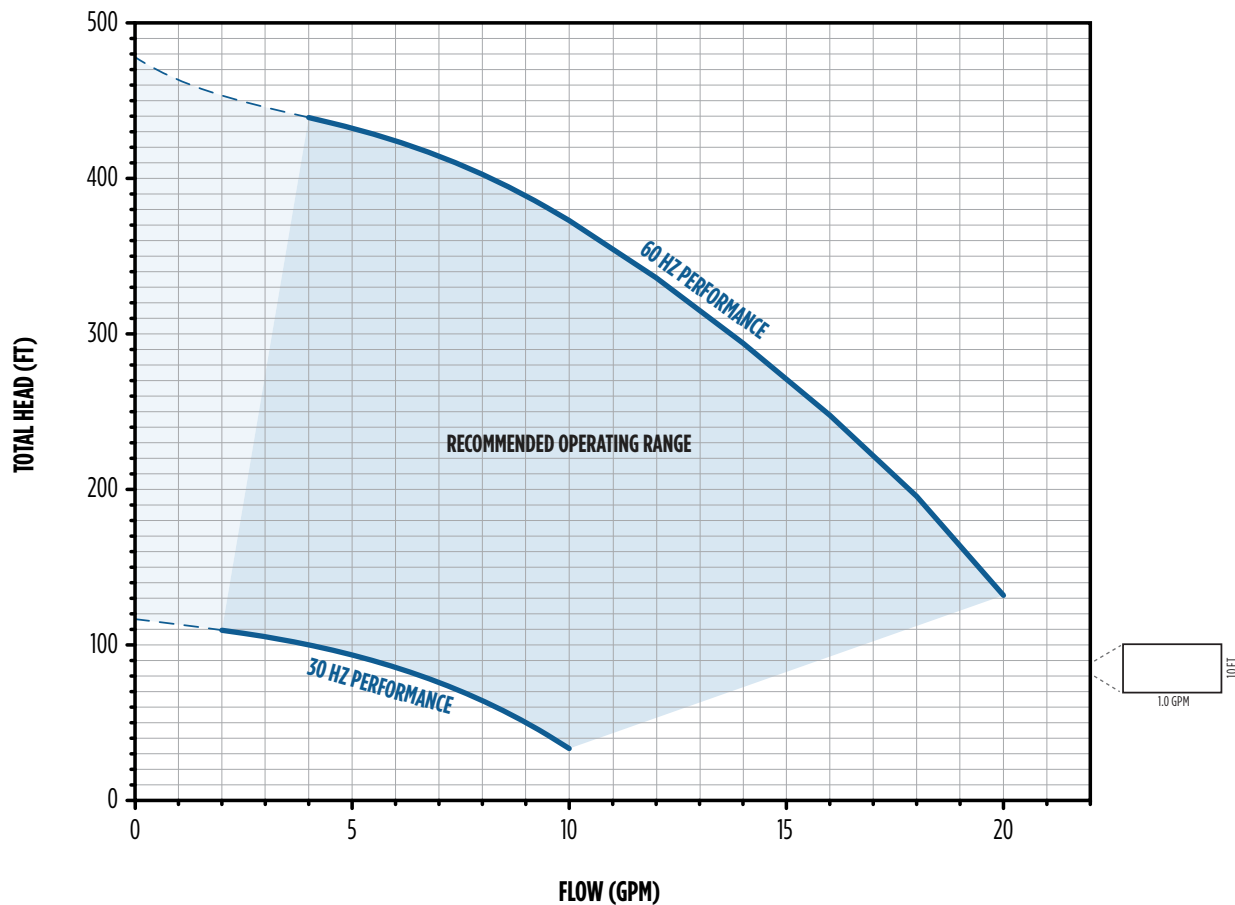


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1	0						19.6	18.7	17.6	16.5	15.5	12.5	7.6
	10					19.5	18.5	17.4	16.4	15.3	14.2	10.6	4.4
	20			20.0	19.3	18.4	17.3	16.2	15.2	14.1	12.8	8.1	0.9
	30		19.9	19.2	18.2	17.1	16.0	15.0	13.9	12.6	10.9	5.0	
	40	19.8	19.1	18.0	16.9	15.9	14.8	13.7	12.3	10.6	8.5	1.5	
	50	18.9	17.8	16.8	15.7	14.7	13.5	12.1	10.3	8.1	5.5		
	60	17.7	16.6	15.6	14.5	13.3	11.8	10.0	7.8	5.1	2.1		
	70	16.4	15.4	14.3	13.1	11.6	9.7	7.4	4.6	1.6			
	80	15.2	14.1	12.9	11.3	9.4	7.0	4.2	1.1				
	90	14.0	12.7	11.0	9.0	6.6	3.7	0.7					
	100	12.4	10.8	8.7	6.1	3.2	0.2						
	110	10.5	8.3	5.7	2.8								
	120	7.9	5.3	2.3									
	130	4.8	1.8										
	140	1.3											
Shut-off psi		144	135	127	118	109	101	92	83	75	66	44	23

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 15 GPM (1.5 HP PUMP END, 1.5 HP MOTOR)

15-3WQP-1.5HP

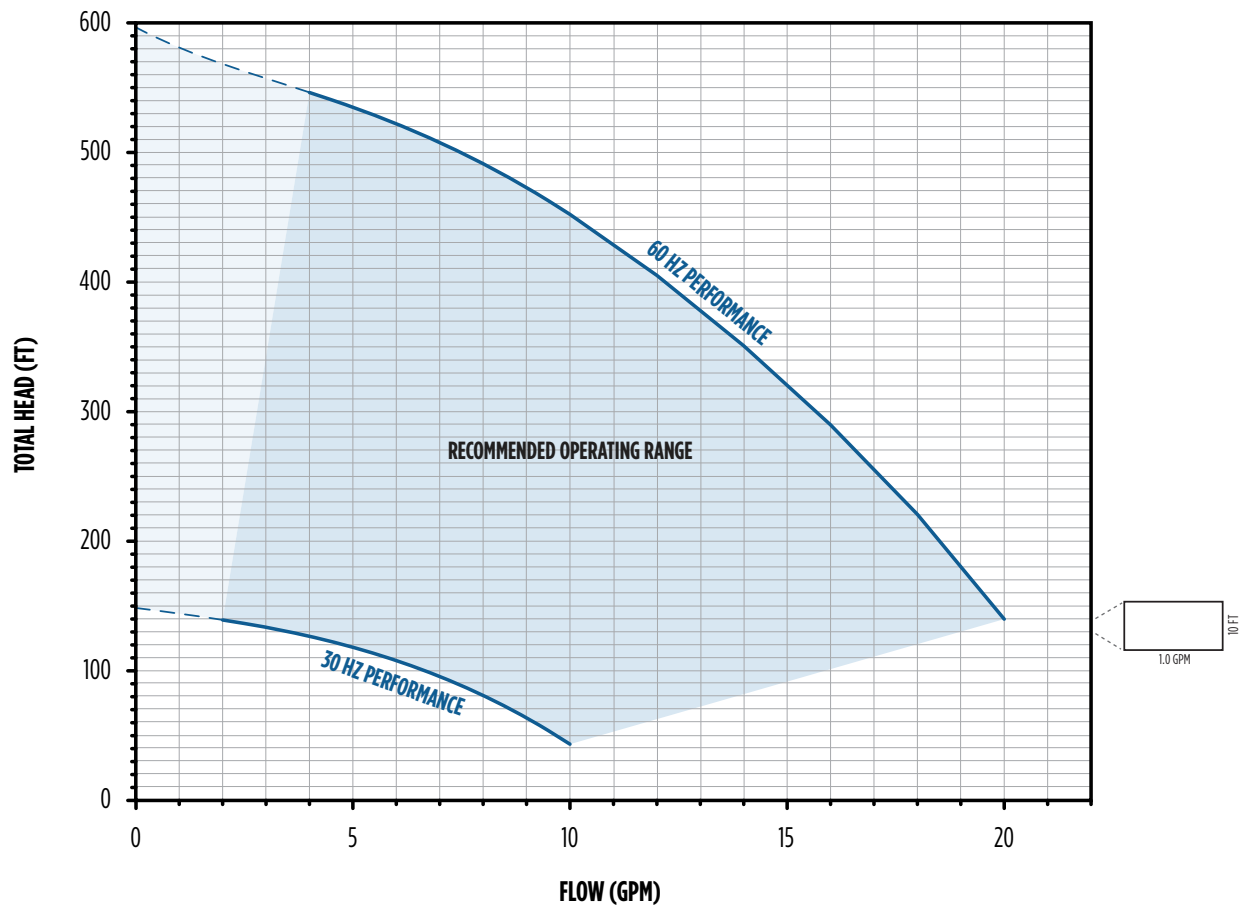


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450
1.5	0							20.1	19.9	19.1	18.0	15.5	13.7	11.7	8.1	2.7
	10						20.1	19.8	18.9	17.8	16.8	14.6	12.9	10.3	5.8	0.1
	20					20.1	19.7	18.8	17.7	16.6	15.7	13.8	11.9	8.5	3.1	
	30				20.1	19.6	18.6	17.5	16.5	15.5	14.7	13.1	10.6	6.2	0.5	
	40		20.0	20.1	19.4	18.4	17.3	16.3	15.4	14.6	14.0	12.1	8.8	3.5		
	50	20.1	20.0	19.3	18.3	17.2	16.1	15.3	14.5	13.9	13.2	10.8	6.6	0.9		
	60	19.9	19.1	18.1	17.0	16.0	15.1	14.4	13.8	13.1	12.3	9.1	4.0			
	70	19.0	17.9	16.8	15.9	15.0	14.3	13.7	13.0	12.1	11.1	7.0	1.3			
	80	17.8	16.7	15.7	14.9	14.2	13.6	12.9	12.0	10.9	9.4	4.4				
	90	16.5	15.6	14.8	14.1	13.5	12.7	11.8	10.7	9.2	7.4	1.8				
	100	15.5	14.7	14.0	13.4	12.6	11.7	10.5	8.9	7.0	4.9					
	110	14.6	13.9	13.2	12.5	11.5	10.3	8.7	6.7	4.5	2.2					
	120	13.8	13.1	12.3	11.3	10.0	8.4	6.4	4.2	1.8						
	130	13.0	12.2	11.2	9.8	8.1	6.1	3.8	1.5							
	140	12.1	11.0	9.6	7.8	5.7	3.4	1.1								
	150	10.8	9.3	7.5	5.4	3.1	0.8									
	160	4.3	2.0													
Shut-off psi		198	190	181	172	164	155	146	138	129	120	99	77	55	34	12

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 15 GPM (2 HP PUMP END, 2 HP MOTOR)

15-3WQP-2.0HP

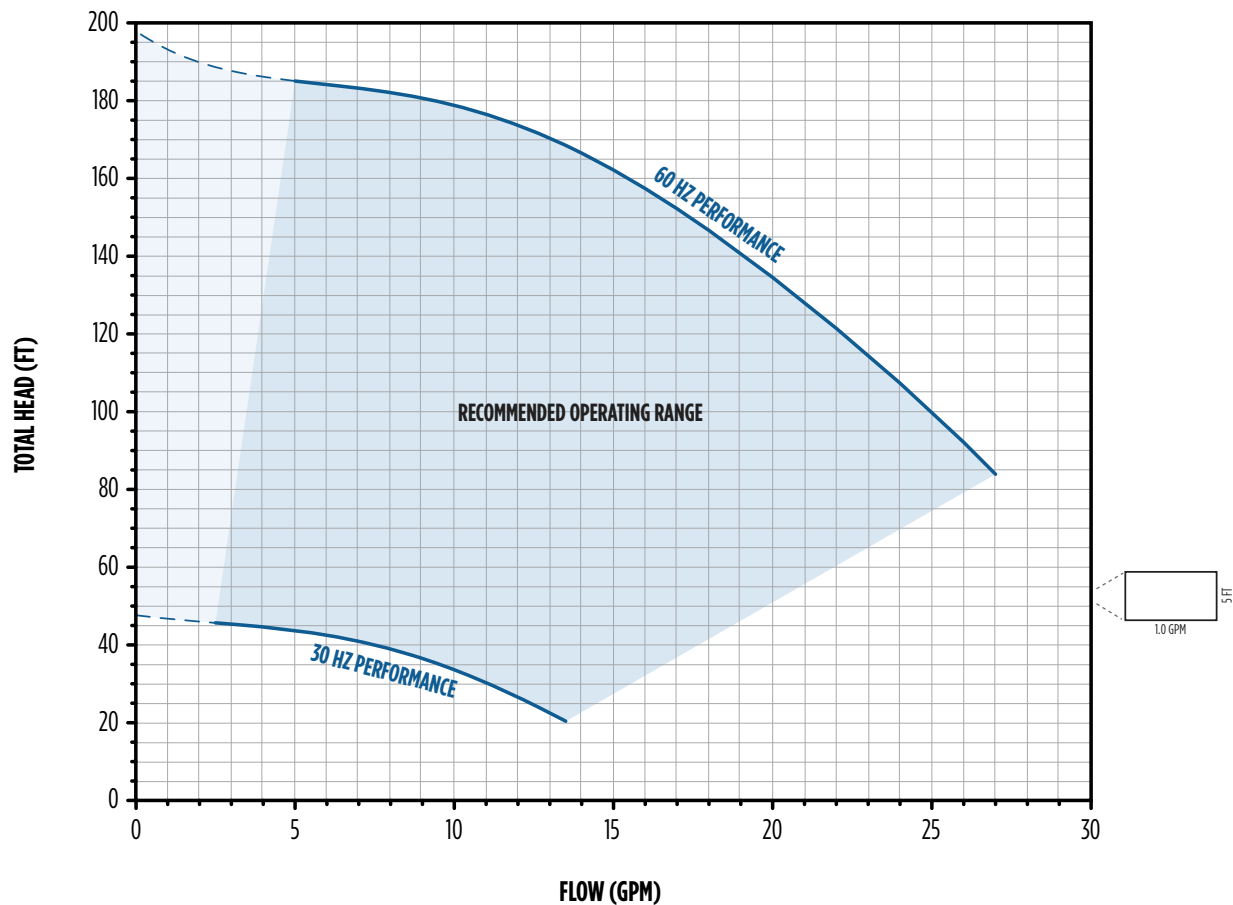


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
2	0							20.0	19.8	19.4	18.8	17.1	15.5	14.0	12.4	10.3	7.4	3.7
	10						20.0	19.8	19.3	18.7	18.1	16.3	14.8	13.3	11.5	9.1	5.8	1.7
	20					20.0	19.7	19.2	18.6	18.0	17.3	15.6	14.1	12.5	10.5	7.6	4.0	
	30				19.9	19.6	19.1	18.5	17.8	17.1	16.5	14.9	13.4	11.6	9.3	6.0	2.1	
	40			19.9	19.6	19.1	18.4	17.7	17.0	16.4	15.7	14.2	12.6	10.6	7.9	4.3	0.1	
	50		19.9	19.5	19.0	18.3	17.6	16.9	16.3	15.6	15.0	13.5	11.8	9.5	6.3	2.4		
	60	19.8	19.4	18.9	18.2	17.5	16.8	16.2	15.5	14.9	14.3	12.8	10.8	8.1	4.6	0.4		
	70	19.4	18.8	18.1	17.4	16.7	16.1	15.4	14.8	14.2	13.6	11.9	9.7	6.6	2.7			
	80	18.7	18.0	17.3	16.6	16.0	15.3	14.7	14.1	13.5	12.9	11.0	8.4	4.9	0.8			
	90	17.9	17.2	16.5	15.9	15.2	14.6	14.0	13.4	12.8	12.1	9.9	6.9	3.0				
	100	17.1	16.4	15.8	15.1	14.5	13.9	13.3	12.7	12.0	11.2	8.6	5.2	1.1				
	110	16.3	15.7	15.0	14.4	13.8	13.2	12.6	11.8	11.0	10.1	7.1	3.3					
	120	15.6	15.0	14.4	13.8	13.1	12.5	11.7	10.9	9.9	8.8	5.5	1.4					
	130	14.9	14.3	13.7	13.0	12.4	11.6	10.7	9.8	8.6	7.4	3.6						
	140	14.2	13.6	12.9	12.2	11.5	10.6	9.6	8.5	7.2	5.7	1.7						
	150	13.5	12.8	12.1	11.3	10.5	9.4	8.3	7.0	5.5	3.9							
	160	10.9	10.0	8.9	7.7	6.3	4.8	3.2	1.5									
Shut-off psi		250	241	232	224	215	206	198	189	180	172	150	128	107	85	63	42	20

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 20 GPM (0.75 HP PUMP END, 0.75 HP MOTOR)

20-3WQP-0.75HP

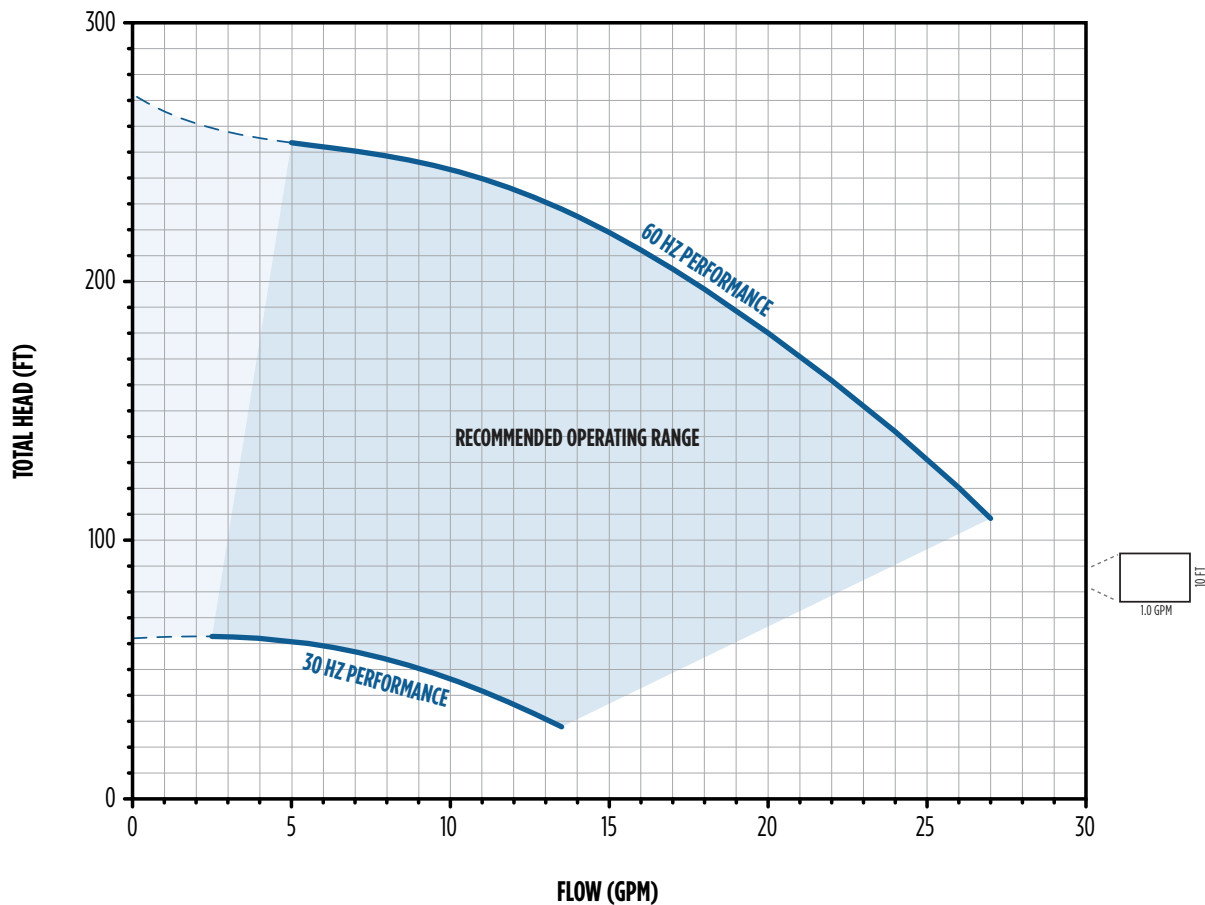


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)								
		20	40	60	80	100	120	140	160	180
.75	0					25.1	22.3	18.4	14.0	8.3
	10				24.7	21.7	17.8	13.3	7.1	
	20		26.7	24.3	21.2	17.1	12.5	5.8		
	30	26.3	23.9	20.6	16.4	11.7	4.3			
	40	23.5	20.0	15.8	10.8	2.6				
	50	19.4	15.1	9.8	0.7					
	60	14.3	8.8							
	70	7.7								
Shut-off psi		77	68	60	51	42	34	25	16	8

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 20 GPM (1 HP PUMP END, 1 HP MOTOR)

20-3WQP-1.0HP

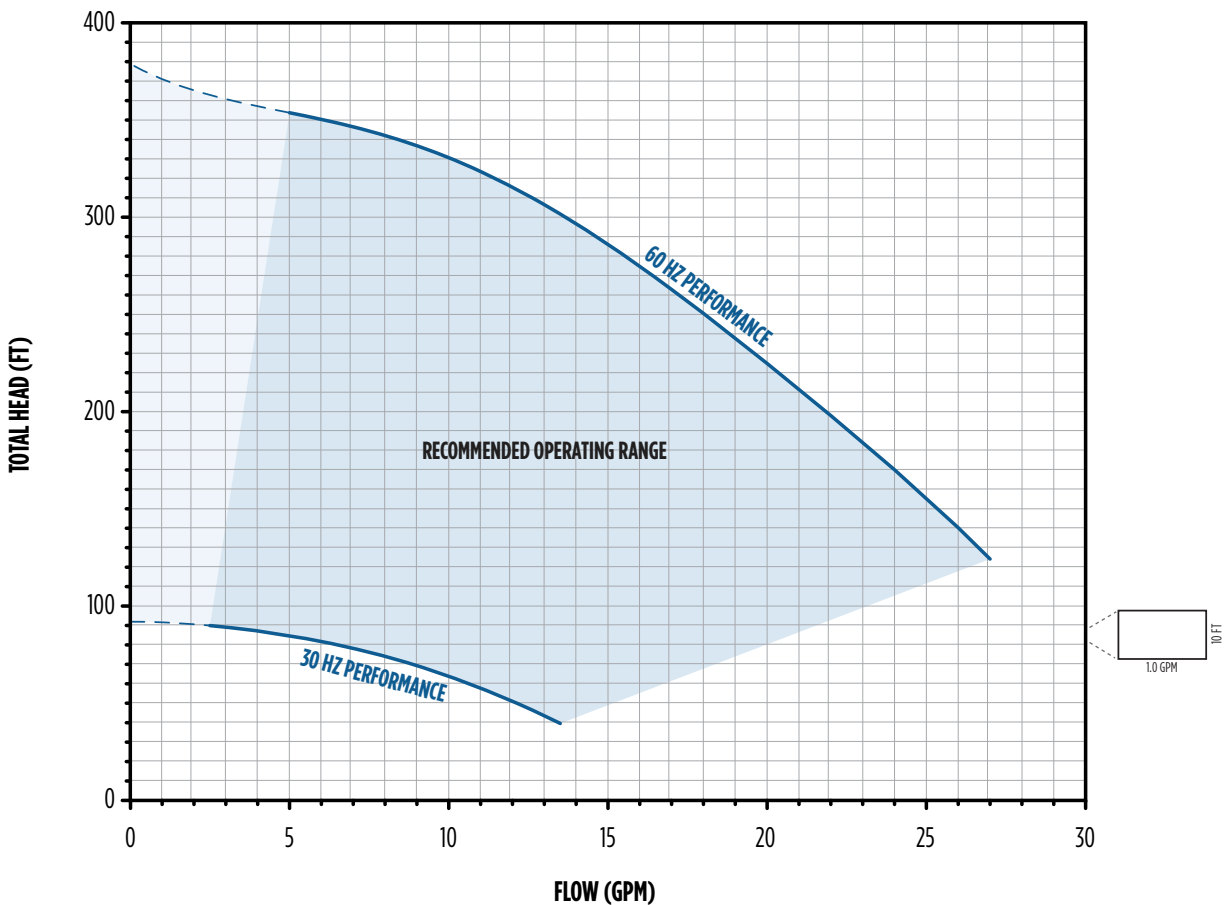


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
1	0						26.0	24.4	22.3	19.6	16.5	7.3
	10					25.7	24.1	21.9	19.1	16.0	12.7	
	20				25.5	23.8	21.5	18.7	15.5	12.2	8.2	
	30		26.9	25.2	23.5	21.1	18.2	15.0	11.6	7.4	0.7	
	40	26.6	25.0	23.2	20.7	17.7	14.5	11.1	6.6			
	50	24.8	22.8	20.2	17.2	14.0	10.5	5.7				
	60	22.5	19.8	16.7	13.5	9.9	4.8					
	70	19.3	16.2	13.0	9.2	3.7						
	80	15.7	12.4	8.5	2.6							
	90	11.9	7.8	1.3								
	100	7.0										
Shut-off psi		109	101	92	83	75	66	57	49	40	31	10

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 20 GPM (1.5 HP PUMP END, 1.5 HP MOTOR)

20-3WQP-1.5HP

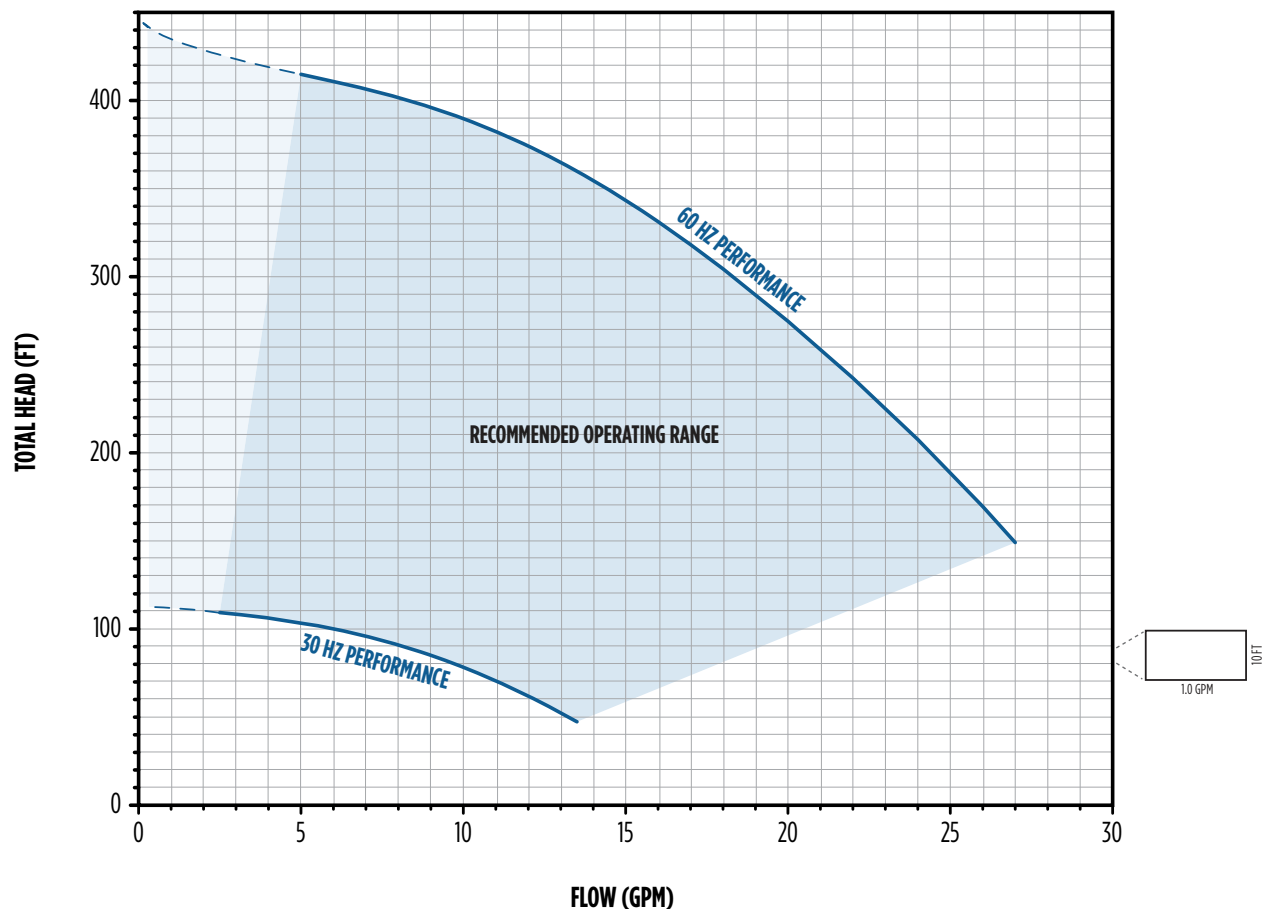


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)												
		20	40	60	80	100	120	140	160	180	200	250	300	350
1.5	0							25.8	24.7	23.6	22.1	17.0	11.9	6.8
	10						25.6	24.5	23.4	21.9	19.9	14.5	9.9	1.5
	20				26.9	25.4	24.4	23.2	21.6	19.6	17.4	12.3	7.4	
	30			26.6	25.2	24.2	23.0	21.3	19.3	17.0	14.8	10.3	2.6	
	40		26.3	25.1	24.0	22.7	21.0	18.9	16.7	14.5	12.6	7.9		
	50	26.1	24.9	23.9	22.5	20.7	18.6	16.3	14.2	12.3	10.6	3.6		
	60	24.7	23.7	22.3	20.4	18.2	16.0	13.9	12.1	10.3	8.4			
	70	23.5	22.0	20.1	17.9	15.7	13.6	11.8	10.1	8.0	4.6			
	80	21.7	19.8	17.5	15.3	13.3	11.5	9.8	7.6	3.8				
	90	19.4	17.2	15.0	13.0	11.3	9.5	7.1	3.0					
	100	16.8	14.7	12.7	11.0	9.2	6.6	2.1						
	110	14.4	12.4	10.7	8.9	6.1	1.2							
	120	12.2	10.5	8.5	5.5	0.1								
	130	10.2	8.2	4.9										
	140	7.8	4.2											
	150	3.4												
Shut-off psi		155	147	138	129	121	112	103	95	86	77	56	34	13

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 20 GPM (2 HP PUMP END, 2 HP MOTOR)

20-3WQP-2.0HP

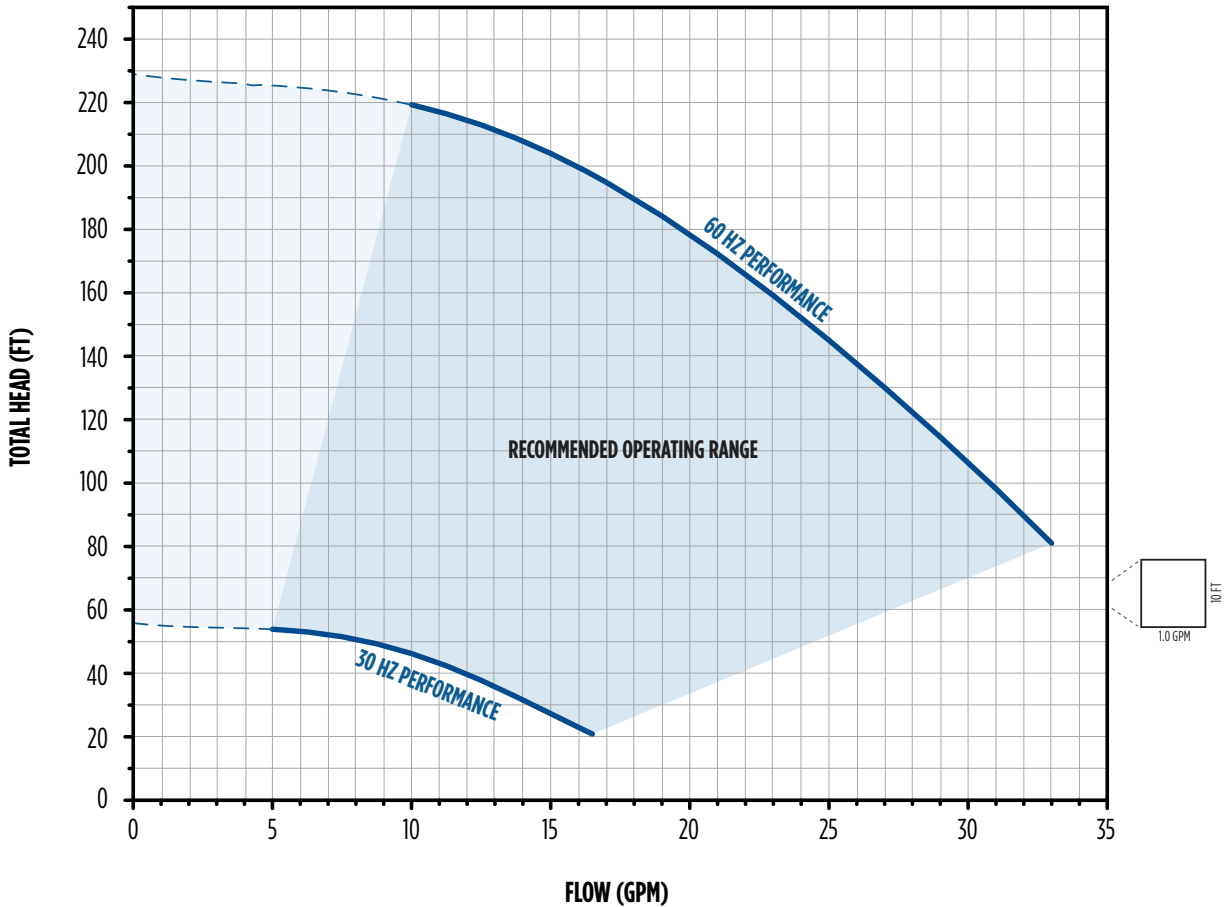


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
2	0								26.2	25.2	24.5	21.8	17.3	12.6	8.1
	10							26.0	25.1	24.4	23.5	19.9	15.0	10.7	4.8
	20						25.8	25.0	24.3	23.3	22.1	17.7	13.0	8.6	
	30				27.1	25.7	24.9	24.1	23.2	21.9	20.2	15.4	11.0	5.5	
	40			26.8	25.5	24.7	24.0	23.0	21.6	19.9	18.0	13.3	9.0	0.2	
	50		26.6	25.4	24.6	23.9	22.8	21.4	19.7	17.7	15.8	11.3	6.1		
	60	26.3	25.3	24.5	23.7	22.6	21.1	19.4	17.4	15.5	13.6	9.3	1.3		
	70	25.1	24.4	23.6	22.4	20.9	19.1	17.1	15.2	13.4	11.7	6.7			
	80	24.3	23.4	22.2	20.6	18.8	16.8	14.9	13.1	11.4	9.7	2.3			
	90	23.3	22.0	20.3	18.5	16.5	14.6	12.8	11.1	9.4	7.2				
	100	21.7	20.1	18.2	16.2	14.3	12.6	10.9	9.1	6.8	3.2				
	110	19.8	17.9	15.9	14.0	12.3	10.6	8.8	6.3	2.4					
	120	17.6	15.6	13.8	12.0	10.4	8.5	5.8	1.7						
	130	15.3	13.5	11.8	10.1	8.1	5.3	0.8							
	140	13.2	11.5	9.8	7.8	4.7									
	150	11.3	9.5	7.4	4.1										
	160	2.0													
Shut-off psi		184	175	166	158	149	140	132	123	114	106	84	63	41	19

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVE 25 GPM (1 HP PUMP END, 1 HP MOTOR)

25-3WQP-1.0HP

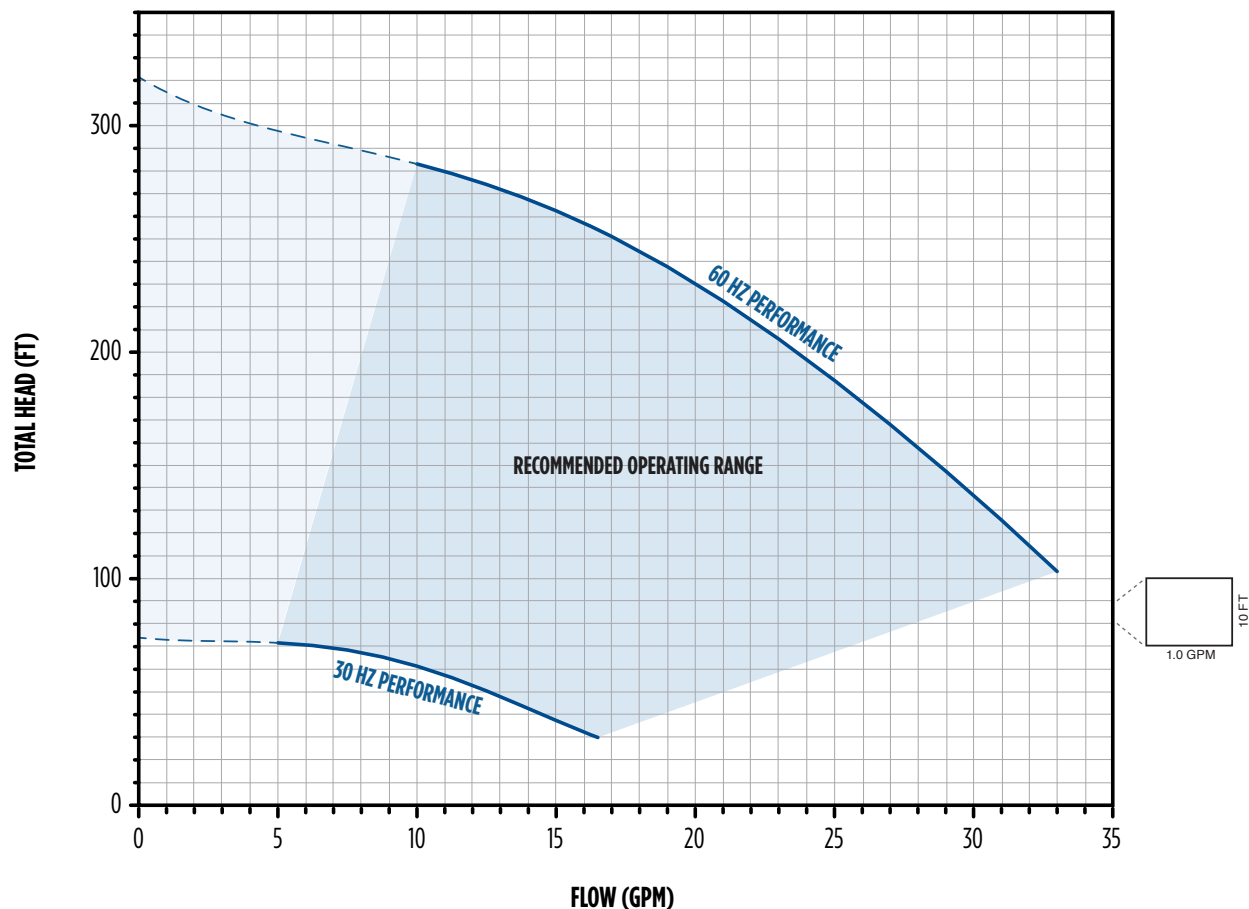


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	200
1	0					30.1	28.9	26.1	22.2	19.1	16.5
	10			32.6	29.9	28.6	25.5	21.6	18.7	15.9	6.4
	20		31.8	29.8	28.3	24.9	21.1	18.4	15.2	3.5	
	30	31.2	29.6	27.9	24.3	20.6	18.0	14.3			
	40	29.5	27.4	23.7	20.1	17.7	13.1				
	50	26.9	23.1	19.7	17.3	11.6					
	60	22.5	19.3	16.8	9.8						
	70	18.9	16.2	7.6							
	80	15.6	4.9								
	90	1.6									
Shut-off psi		90	82	73	65	56	47	39	30	21	13

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 25 GPM (1.5 HP PUMP END, 1.5 HP MOTOR)

25-3WQP-1.5HP

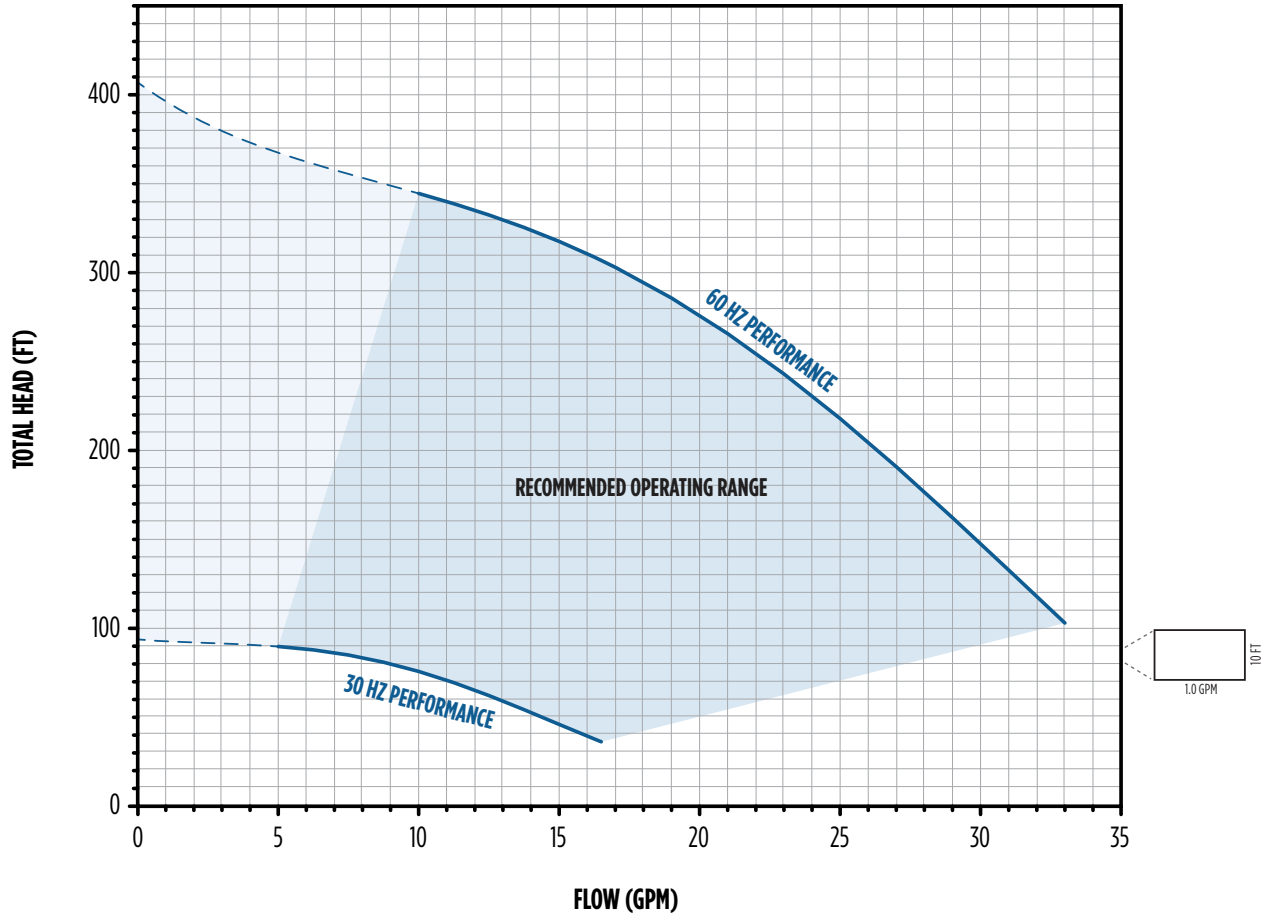


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1.5	0						32.2	29.9	27.4	25.3	23.6	17.5	4.6
	10					31.9	29.5	27.0	25.1	23.4	21.4	12.2	
	20			32.8	31.5	29.1	26.7	24.8	23.1	21.1	18.2	5.7	
	30		32.8	31.2	28.7	26.4	24.5	22.8	20.7	17.6	13.2		
	40	32.7	30.8	28.3	26.1	24.3	22.5	20.3	17.0	12.4	6.8		
	50	30.4	27.9	25.8	24.0	22.2	19.9	16.4	11.5	5.9	0.7		
	60	27.6	25.5	23.7	21.9	19.4	15.7	10.7	5.0	0.1			
	70	25.2	23.5	21.6	18.9	15.0	9.8	4.1					
	80	23.2	21.3	18.4	14.3	9.0	3.3						
	90	20.9	17.9	13.5	8.1	2.5							
	100	17.3	12.7	7.2	1.7								
	110	11.9	6.3	1.0									
	120	5.4	0.4										
Shut-off psi		130	122	113	105	96	87	79	70	61	53	31	9

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

MONODRIVEXT 25 GPM (2 HP PUMP END, 2 HP MOTOR)

25-3WQP-2.0HP



HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
2	0						32.3	30.8	29.1	27.4	26.0	22.7	17.5	8.7	0.5
	10				32.8	32.1	30.6	28.8	27.2	25.8	24.5	20.7	13.8	4.2	
	20			32.8	31.9	30.3	28.6	27.0	25.6	24.3	23.0	18.0	9.4	0.8	
	30		32.8	31.7	30.0	28.3	26.7	25.4	24.1	22.7	21.1	14.5	4.9		
	40	32.7	31.4	29.8	28.0	26.5	25.2	23.9	22.5	20.8	18.5	10.2	1.2		
	50	31.2	29.5	27.8	26.3	25.0	23.7	22.3	20.5	18.1	15.1	5.6			
	60	29.2	27.5	26.1	24.8	23.5	22.0	20.2	17.7	14.6	10.9	1.7			
	70	27.3	25.9	24.6	23.3	21.8	19.8	17.3	14.1	10.3	6.4				
	80	25.7	24.4	23.1	21.5	19.5	16.8	13.5	9.7	5.8	2.3				
	90	24.2	22.8	21.2	19.1	16.4	13.0	9.1	5.2	1.8					
	100	22.6	20.9	18.7	15.9	12.4	8.5	4.6	1.4						
	110	20.6	18.3	15.4	11.8	7.9	4.0	1.1							
	120	17.9	14.9	11.2	7.3	3.5	0.7								
	130	14.3	10.6	6.6	3.0	0.5									
	140	10.0	6.0	2.5	0.3										
	150	5.4	2.0	0.1											
Shut-off psi		167	159	150	142	133	124	116	107	98	90	68	46	25	3

NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

INLINE PRESSURE BOOSTING - INLINE 400

FEATURES

- Utilizes proven Franklin Electric pump and motor to create the most trustworthy product on the market
- Simple flow-based controls mean you get the pressure every time you need it
- Protective cap comes standard for outdoor use (for vertical applications only)
- Whisper-quiet operation
- Installs vertically or horizontally
- 1" NPT inlet and outlet
- 115 V and 230 V models available
- Plug-in electrical cord connected unit
- Protective features: Over/Under voltage protection, dry run, and over temperature
- Product power rating: 1/3 hp, 0.246 kW
- Maximum Water Temperature: 120 °F/49 °C

APPLICATIONS

- City water pressure boosting
- Pressurize water from cistern tank
- Re-pressurizing after filtration
- Irrigation system boosting

ORDERING INFORMATION

Model Description	Order No.	HP	Input Voltage
Inline 400 115 V	92061501	1/3	115 V
Inline 400 230 V	92061502	1/3	230 V

REPLACEMENT PARTS & KITS

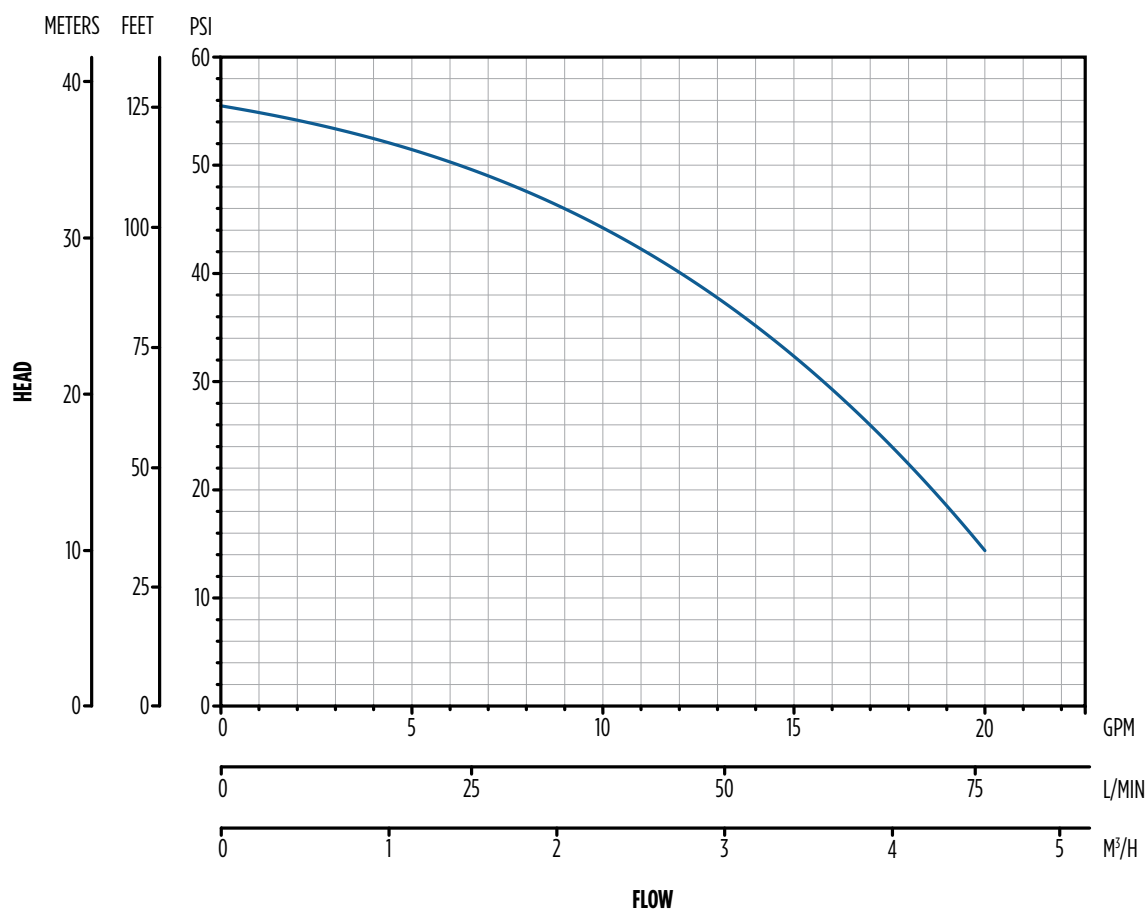
Model Description	Order No.
Tank Wrench	305572001
Inlet Pressure Switch	305572007
Outlet Pressure Switch	305572008
Replacement Tank	305572009
Replacement Cover	305572010
Replacement Base	305572011
Motor Capacitor - 115 V	305572012
Motor Capacitor - 230 V	305572013
Power Cord - 115 V	305572014
Power Cord - 230 V	305572015
Flow Piston Kit	305572016
Tank O-ring	305572017
Outdoor Protective Cap Kit	305572018



Protective Cap

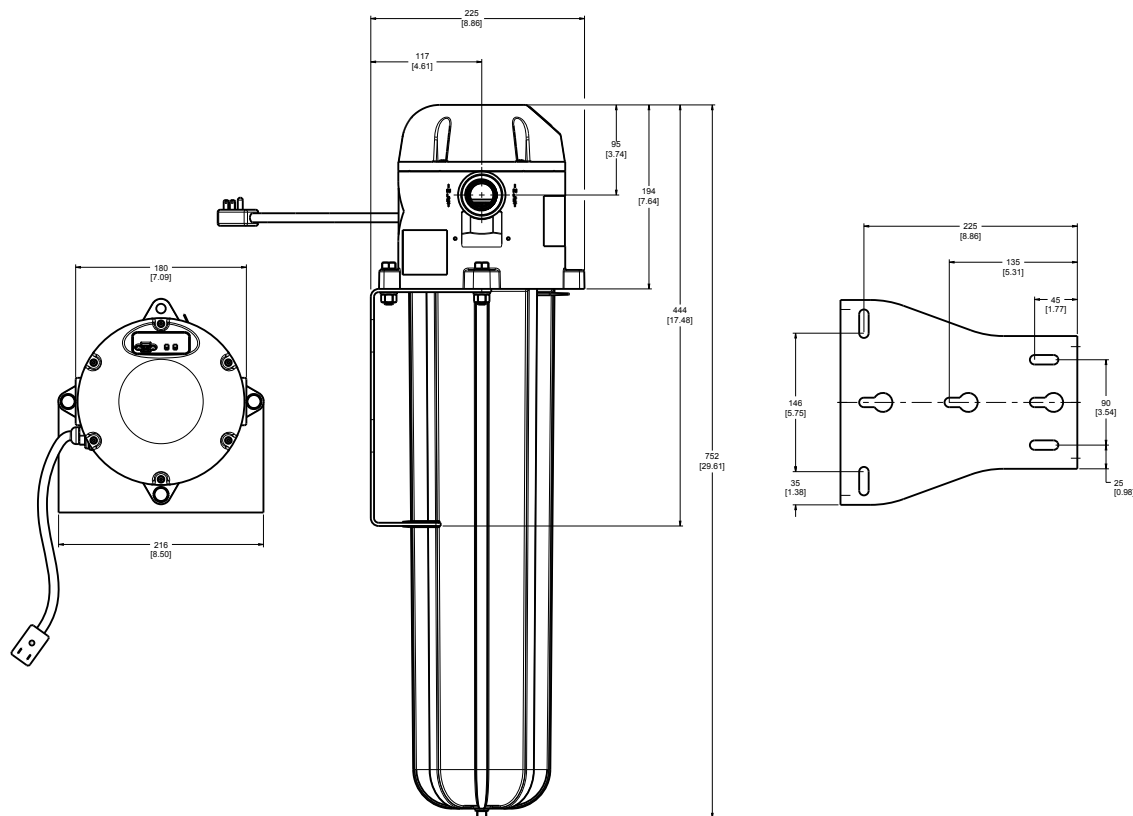
INLINE PRESSURE BOOSTING - INLINE 400

PERFORMANCE

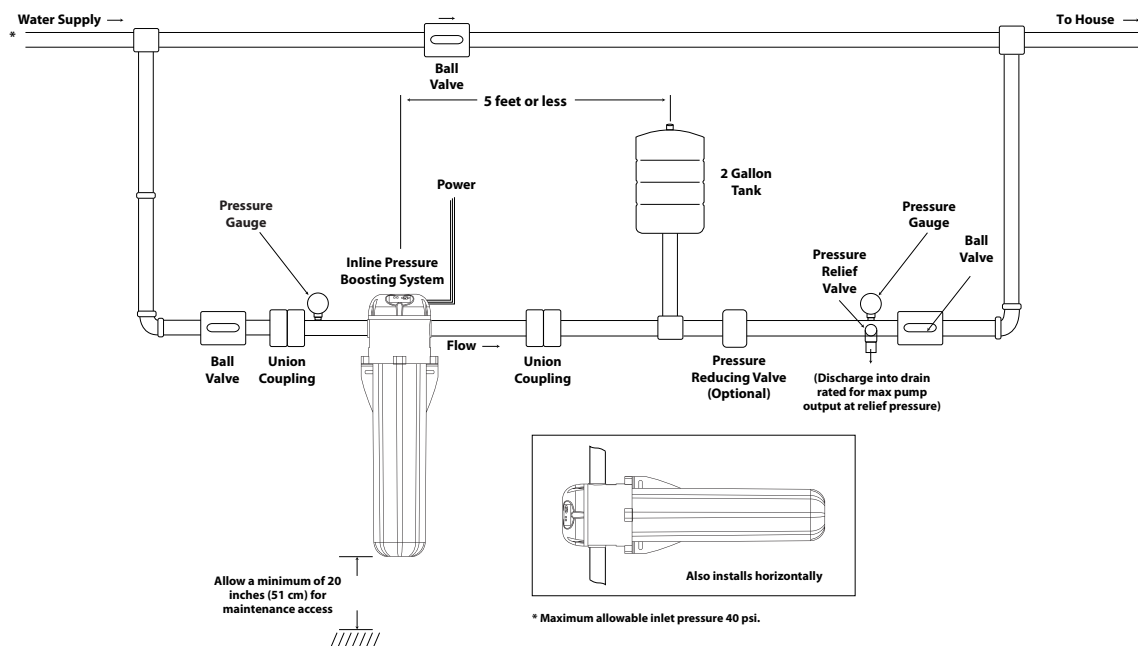


INLINE PRESSURE BOOSTING - INLINE 400

DIMENSIONS



TYPICAL INSTALLATION



INLINE CONSTANT PRESSURE - SUBDRIVE INLINE 1100

DESCRIPTION

- The SubDrive Inline 1100 provides constant pressure for both private wells and municipal/city water systems.

FEATURES

- Pump, motor, drive, and pressure switch in one box as a packaged system
- Small and compact design fits into small areas, even between floor joists
- Stainless steel construction for years of operation
- Simple and easy installation with step-by-step illustrated instructions
- Integrated motor design allows water to flow around it for quiet and cool operation
- NEMA 4 (IP56) electronics enclosure
- Multiple mounting configurations allow for the unit to be installed where you need it, whether horizontal, vertical, or even upside down
- Built-in system protections guard the Inline unit from many common failure modes including surge protection, voltage underload, locked pump, open circuit, short circuit, and overheated controller.
- Product power rating: 1.2 hp, 0.9 kW
- Shipping weight: 50 lbs, 22.7 kg



APPLICATIONS

- Boosted and constant water pressure from water storage/cistern systems
- Homes (in both private and municipal applications)
- General pressure boosting
- Sprinkler systems
- Farming and commercial wash down systems

ORDERING INFORMATION

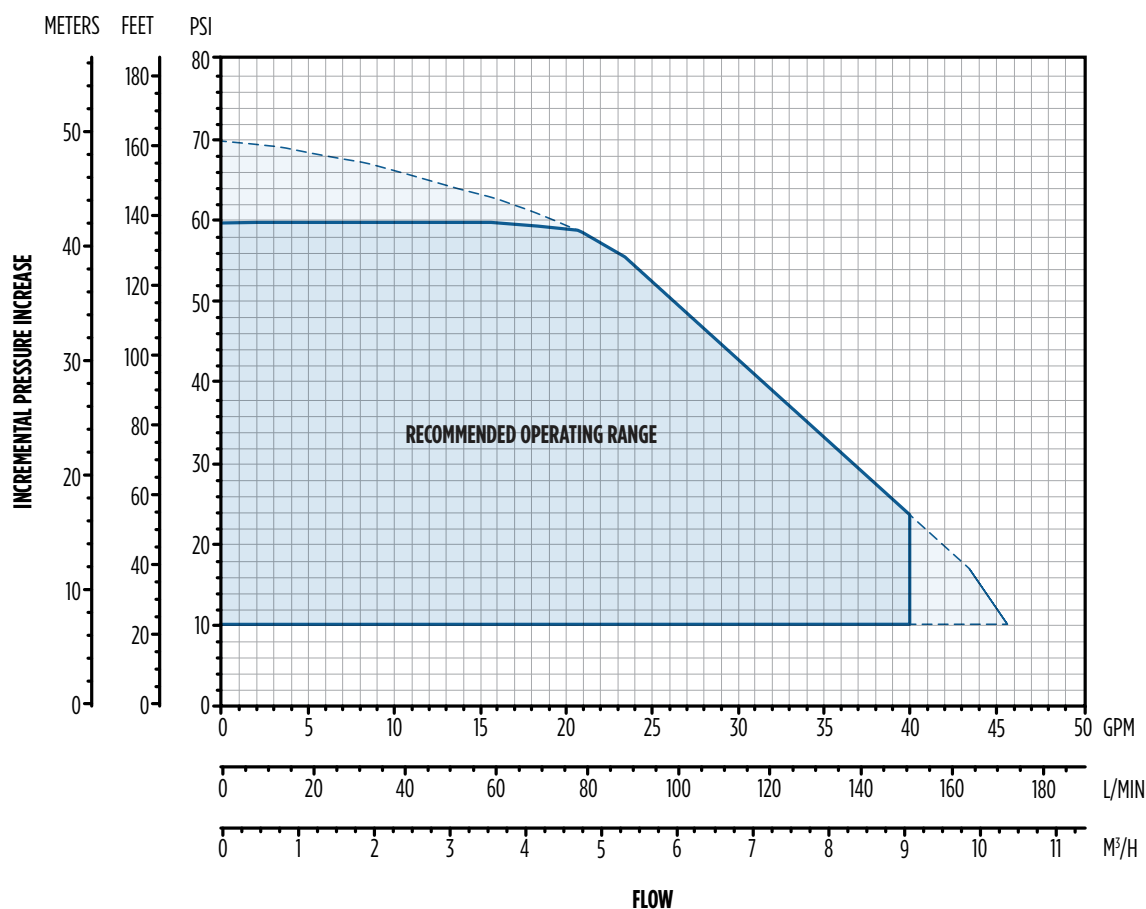
Model Description	Order No.	Input Voltage	Input Phase
25SDIL1100N4* (Complete pump w/NPT)	90401101	230	Single
25SDIL1100N4-B* (Complete pump w/BSP)	90401102		
Electronic Drive Assembly	305707901		
Pump & Motor Assembly w/NPT	305707902		
Pump & Motor Assembly w/BSP	305707911		
Mounting Feet	305707903	N/A	N/A
Pressure Switch	305707906		
Pressure Tank (2 gallon)	305707910		
Fastener Kit	305707904		
Pressure Switch Cable	305707905		
Overpressure Switch**	305707909		
Overpressure Switch Cable**	305707908		
Overpressure Switch & Cable Combo**	305707912		
Thermostat Kit	305707917		

* Includes pump, motor, drive, pressure switch, and all cables.

** Overpressure switch is sold as an accessory and is not required for normal operation.

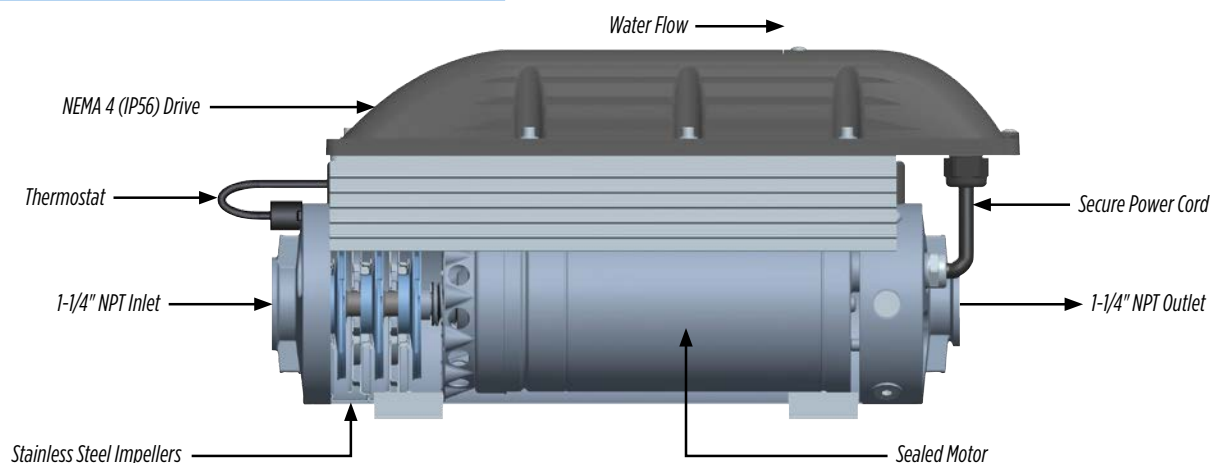
INLINE CONSTANT PRESSURE - SUBDRIVE INLINE 1100

PERFORMANCE



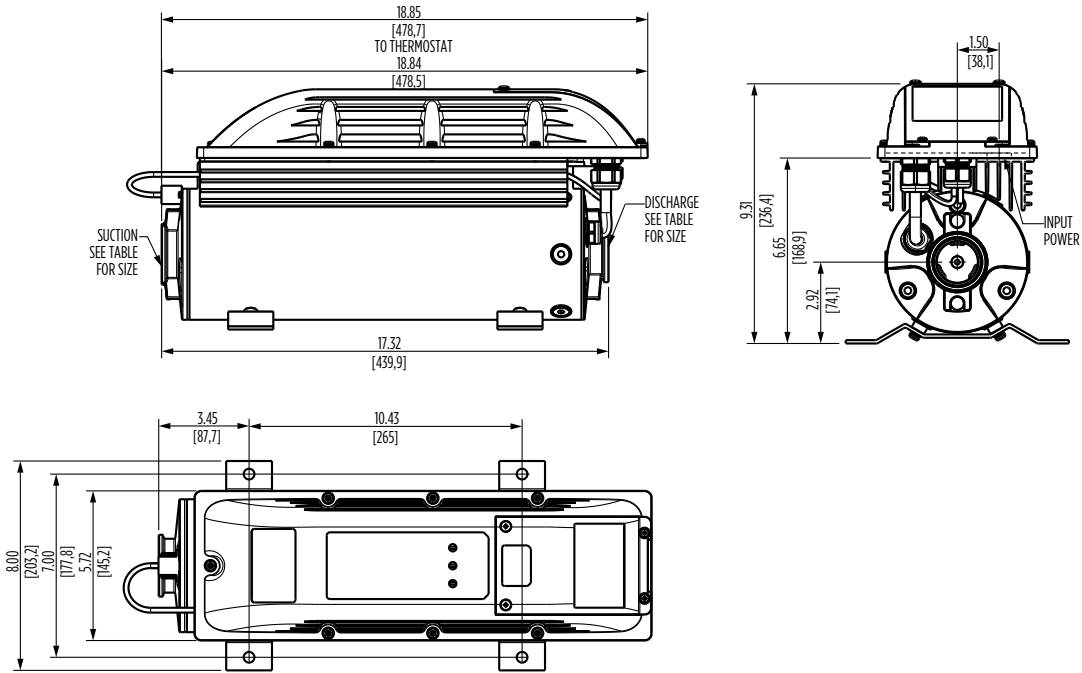
NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

SYSTEM COMPONENTS

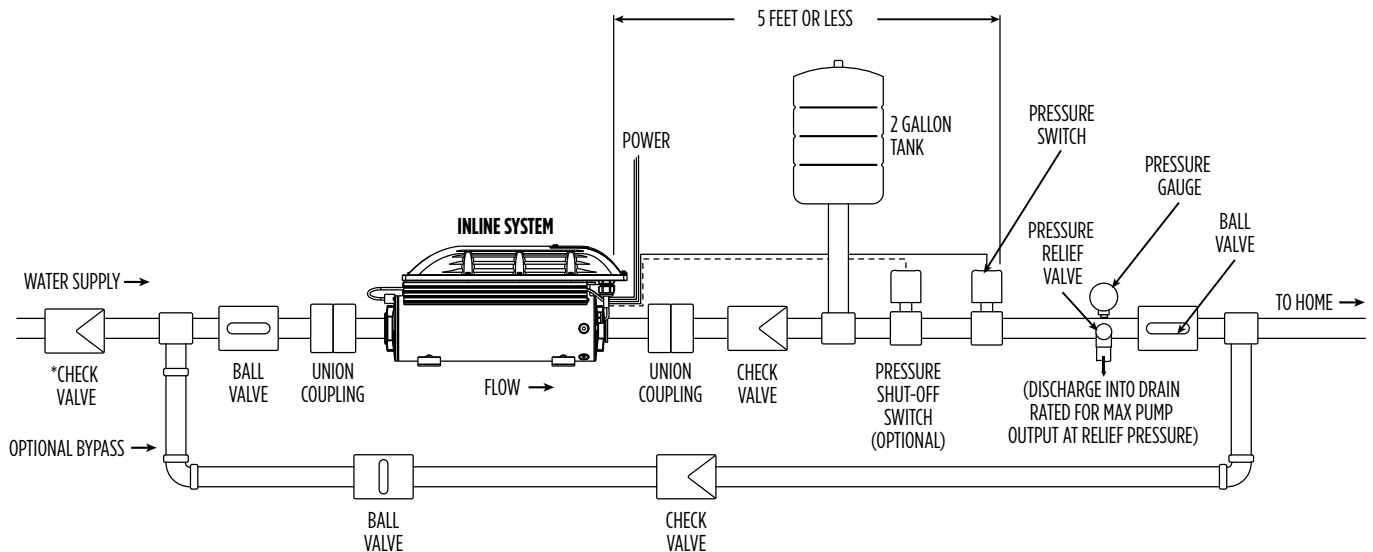


INLINE CONSTANT PRESSURE - SUBDRIVE INLINE 1100

DIMENSIONS



TYPICAL INSTALLATION



NOTE: These optional components are shown in a typical installation diagram. They should be used at the installer's discretion as required for particular applications.
 * When connected to a municipal system, if the plumbing does not have a backflow prevention device, a check valve is required on the incoming water supply line.
 If installed on a cistern, the check valve should be passive or be eliminated.

NOTES



Franklin Electric