

PACKAGED SYSTEMS & CONSTANT PRESSURE DRIVES



PACKAGED SYSTEMS

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VALUE OF A SUBDRIVE QUICKPAK - FEATURES & APPLICATIONS

The SubDrive 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
- Extended warranty available for QuickPAK components
- Soft-start feature prevents water hammer and increases motor life
- Flow rates option from 5 up to 90 gpm; drives up to 5HP
- 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
- Single-phase input power, with three-phase motor performance using Subdrive QuickPAKs

DRIVE-SPECIFIC FEATURES

SUBDRIVE CONNECT (NEMA 3R):

- FE Connect mobile app for advanced settings and monitoring
- Excellent radio frequency interference shielding
- 3-phase or 1-phase motor option available
- Power Factor Correction module for increased head and flow output
- Pressure transducer input with system pressure display

SUBDRIVE (NEMA 4):

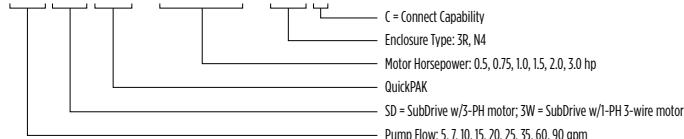
- Best-in-class enclosure rating
- Excellent radio frequency interference shielding
- 3-phase motor performance
- Power Factor Correction module for increased head and flow output

APPLICATIONS

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

MODEL NOMENCLATURE

XX SD QP - X.XHP - XX C



Example:

90SDQP-3.0HP-3RC = 90 gpm, SubDrive QuickPAK, 3 hp, 3R Enclosure, Connect Capability



SUBDRIVE UTILITY 2W (NEMA 3R):

- Ability to run 1-PH 230V (2-wire) motors
- Easy retrofit to existing 1-PH systems
- Optional input/output electrical filter can be added only when required

SUBDRIVE QUICKPAK - ORDERING INFORMATION

NEMA 3R ENCLOSURE (SD CONNECT)

QuickPAK			Subdrive		Pump				Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Part No.	Hydraulics	Design	HP	Voltage	Part No.
93805224C	7SDQP-1.5HP-3RC	7	SD20	5870205313C	7	0.75	93870707	3200	SS	1.5	230V 3-PH	2345149203GS
93805425C	7SDQP-2.0HP-3RC	7	SD20	5870205313C	7	1	93870710	3200		2		2343159204GS
93805526C	7SDQP-3.0HP-3RC	7	SD30	5870205403C	7	1.5	93870715	3200		3		2343162605G
93805234C	10SDQP-1.5HP-3RC	10	SD20	5870205313C	10	0.75	93871006	3200		1.5		2345149203GS
93805435C	10SDQP-2.0HP-3RC	10	SD20	5870205313C	10	1	93871009	3200		2		2343159204GS
93805536C	10SDQP-3.0HP-3RC	10	SD30	5870205403C	10	2	93871020	Tri-Seal		3		2343162605G
93805244C	15SDQP-1.5HP-3RC	15	SD20	5870205313C	15	0.75	93871507	Tri-Seal		1.5		2345149203GS
93805445C	15SDQP-2.0HP-3RC	15	SD20	5870205313C	15	1	93871510	Tri-Seal		2		2343159204GS
93805546C	15SDQP-3.0HP-3RC	15	SD30	5870205403C	15	1.5	93871515	Tri-Seal		3		2343162605G
93805254C	20SDQP-1.5HP-3RC	20	SD20	5870205313C	20	1	93872010	Tri-Seal		1.5		2345149203GS
93805455C	20SDQP-2.0HP-3RC	20	SD20	5870205313C	20	1	93872010	Tri-Seal		2		2343159204GS
93805556C	20SDQP-3.0HP-3RC	20	SD30	5870205403C	20	2	93872020	Tri-Seal		3		2343162605G
93805264C	25SDQP-1.5HP-3RC	25	SD20	5870205313C	25	1	93872510	Tri-Seal		1.5		2345149203GS
93805465C	25SDQP-2.0HP-3RC	25	SD20	5870205313C	25	1	93872510	Tri-Seal		2		2343159204GS
93805566C	25SDQP-3.0HP-3RC	25	SD30	5870205403C	25	1.5	93872515	Tri-Seal		3		2343162605G
93805274C*	35SDQP-1.5HP-3RC	35	SD20	5870205313C	35	1	93653505	Tri-Seal		1.5		2345149203GS
93805475C*	35SDQP-2.0HP-3RC	35	SD20	5870205313C	35	1	93653505	Tri-Seal		2		2343159204GS
93805576C*	35SDQP-3.0HP-3RC	35	SD30	5870205403C	35	1.5	93653507	Tri-Seal		3		2343162605G
93805586C*	60SDQP-3.0HP-3RC	60	SD30	5870205403C	60	2	93653509	Tri-Seal		3		2343162605G
93805596C*	90SDQP-3.0HP-3RC	90	SD30	5870205403C	90	2	93653509	Tri-Seal		3		2343162605G

*High capacity pumps, 35 US gpm (100 lpm) and higher, in QuickPAKs are not supplied with an internal check valve

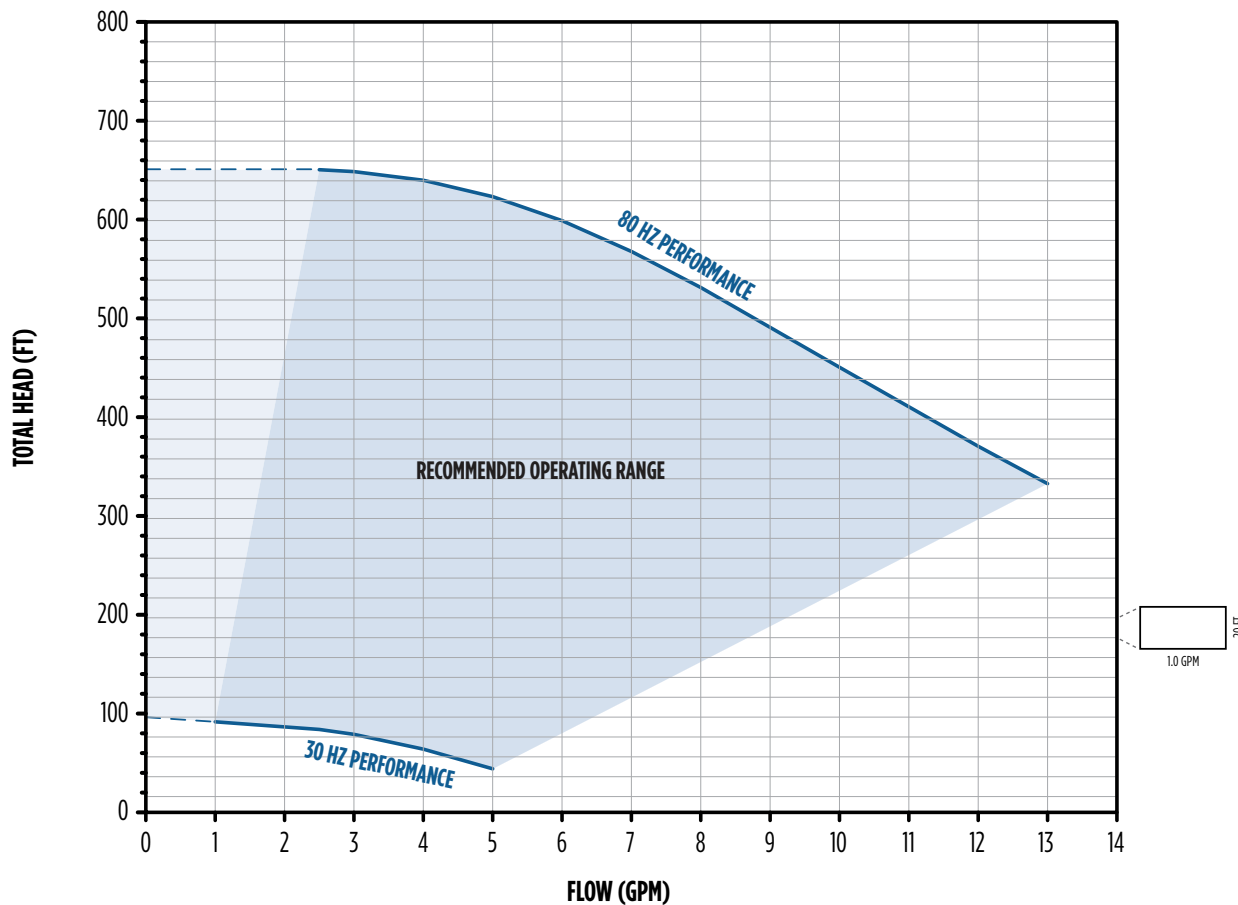
NEMA 4 ENCLOSURE

QuickPAK			Subdrive		Pump				Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Part No.	Hydraulics	Design	HP	Voltage	Part No.
93800760	7SDQP-1.5HP-N4	7	SD75-N4	5870203384	7	0.75	93870707	3200	SS	1.5	230V 3-PH	2345149203GS
93800772	7SDQP-2.0HP-N4	7	SD100-N4	5870204104	7	1	93870710	3200		2		2343159204GS
93800710	7SDQP-3.0HP-N4	7	SD150-N4	5870204154	7	1.5	93870715	3200		3		2343162605G
93801002	10SDQP-1.5HP-N4	10	SD75-N4	5870203384	10	0.75	93871006	3200		1.5		2345149203GS
93801062	10SDQP-2.0HP-N4	10	SD100-N4	5870204104	10	1	93871009	3200		2		2343159204GS
93801004	10SDQP-3.0HP-N4	10	SD150-N4	5870204154	10	2	93871020	Tri-Seal		3		2343162605G
93801502	15SDQP-1.5HP-N4	15	SD75-N4	5870203384	15	0.75	93871507	Tri-Seal		1.5		2345149203GS
93801511	15SDQP-2.0HP-N4	15	SD100-N4	5870204104	15	1	93871510	Tri-Seal		2		2343159204GS
93801504	15SDQP-3.0HP-N4	15	SD150-N4	5870204154	15	1.5	93871515	Tri-Seal		3		2343162605G
93802002	20SDQP-1.5HP-N4	20	SD75-N4	5870203384	20	1	93872010	Tri-Seal		1.5		2345149203GS
93802036	20SDQP-2.0HP-N4	20	SD100-N4	5870204104	20	1	93872010	Tri-Seal		2		2343159204GS
93802004	20SDQP-3.0HP-N4	20	SD150-N4	5870204154	20	2	93872020	Tri-Seal		3		2343162605G
93802502	25SDQP-1.5HP-N4	25	SD75-N4	5870203384	25	1	93872510	Tri-Seal		1.5		2345149203GS
93802530	25SDQP-2.0HP-N4	25	SD100-N4	5870204104	25	1	93872510	Tri-Seal		2		2343159204GS
93802504	25SDQP-3.0HP-N4	25	SD150-N4	5870204154	25	1.5	93872515	Tri-Seal		3		2343162605G
93803514*	35SDQP-1.5HP-N4	35	SD75-N4	5870203384	35	1	93653505	Tri-Seal		1.5		2345149203GS
93803520*	35SDQP-2.0HP-N4	35	SD100-N4	5870204104	35	1	93653505	Tri-Seal		2		2343159204GS
93803528*	35SDQP-3.0HP-N4	35	SD150-N4	5870204154	35	1.5	93653507	Tri-Seal		3		2343162605G
93806016*	60SDQP-3.0HP-N4	60	SD150-N4	5870204154	60	2	93653509	Tri-Seal		3		2343162605G
93809010*	90SDQP-3.0HP-N4	90	SD150-N4	5870204154	90	2	93653509	Tri-Seal		3		2343162605G

*High capacity pumps, 35 US gpm (100 lpm) and higher, in QuickPAKs are not supplied with an internal check valve

7SDQP-1.5HP-3RC/N4

SD20/75 | 7 GPM, 0.75 HP PUMP END | 1.5 HP MOTOR

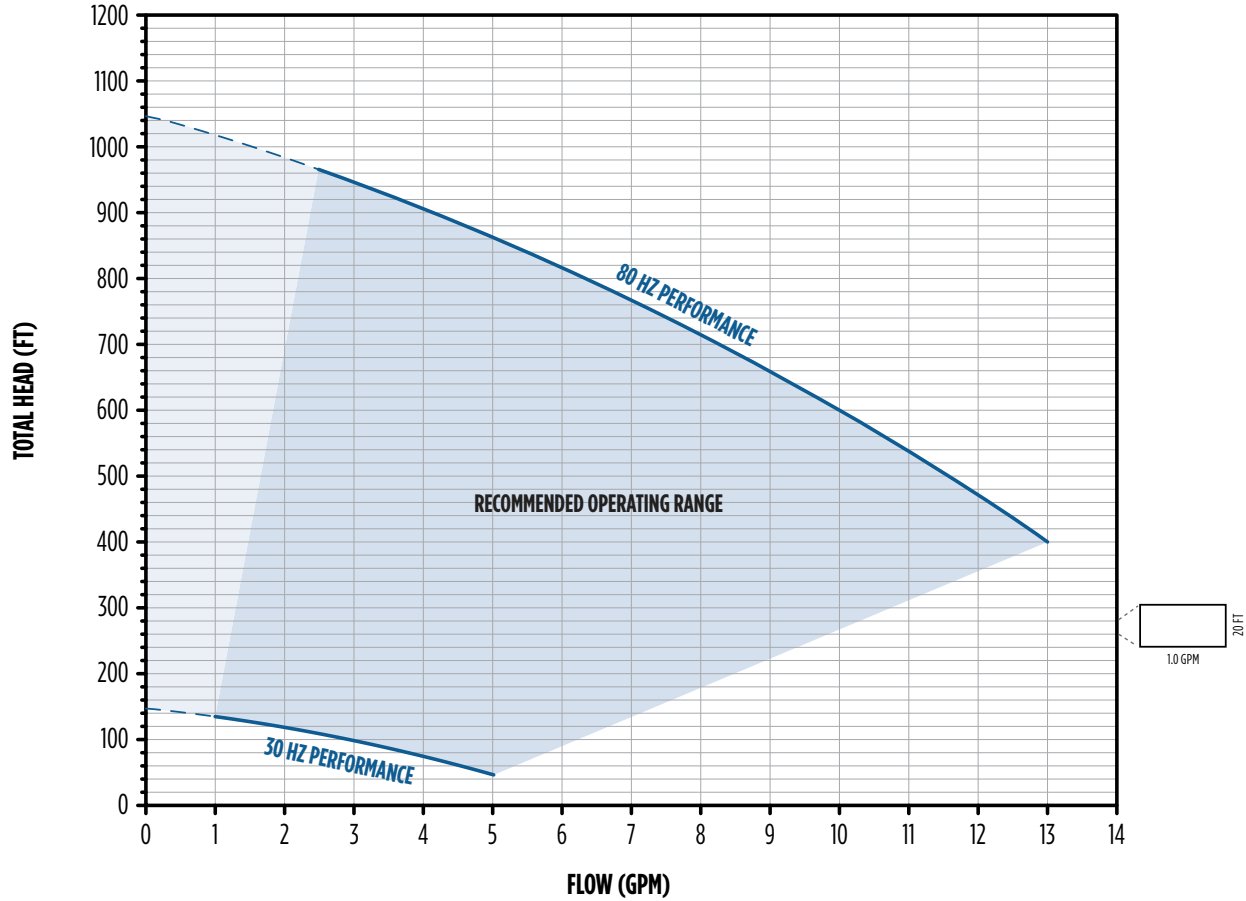


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																									
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850
1.5	0															11	10	10	9	9	8	7	6	5	4	2	
	10															11	10	9	9	8	7	6	5	4	3	2	
	20														11	10	10	9	8	8	7	6	5	4	2		
	30														11	10	9	8	8	7	6	5	4	3	2		
	40													11	10	10	9	8	7	7	6	5	4	3			
	50												11	10	10	9	8	8	7	6	5	4	3	2			
	60											11	10	10	9	9	8	7	6	6	5	4	3				
	70										11	11	10	10	9	8	8	7	6	6	4	3	2				
80									11	11	11	10	9	9	8	7	6	5	5	4	3						
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.

7SDQP-2.0HP-3RC/N4

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

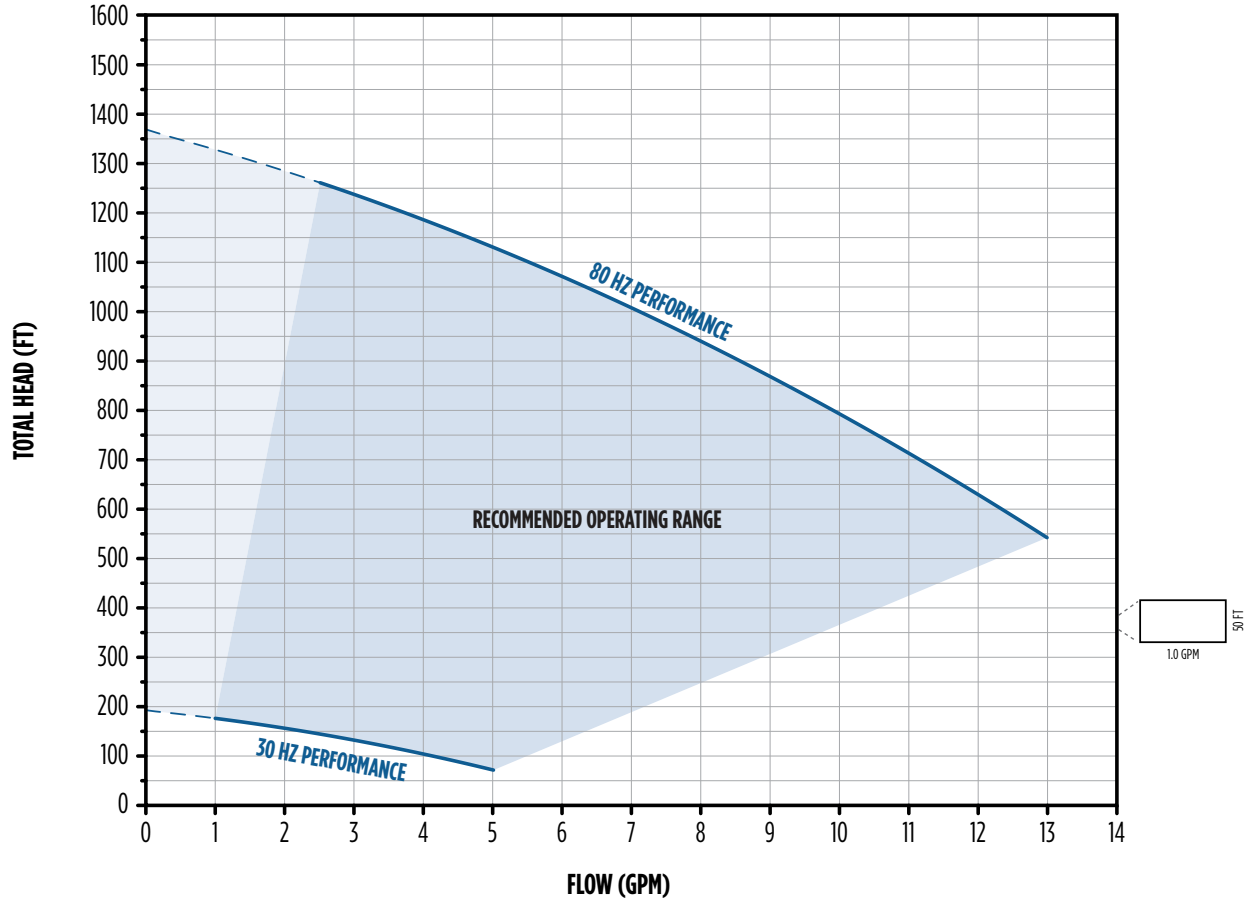


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																												
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000
2	0																				11	10	9	8	7	7	5	4	3	2
	10																				11	10	9	8	7	6	5	4	2	
	20																			11	10	9	8	8	7	6	4	3	2	
	30																			11	10	9	8	7	6	5	4	3		
	40																	11	10	10	9	9	8	7	6	4	3	2		
	50																11	10	10	9	9	8	7	6	5	4	3			
	60																11	10	10	9	9	8	7	6	5	3	2			
	70																11	10	9	9	8	7	6	5	4	3				
80																11	10	10	9	9	8	7	6	5	3	2				
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

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.

7SDQP-3.0HP-3RC/N4

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

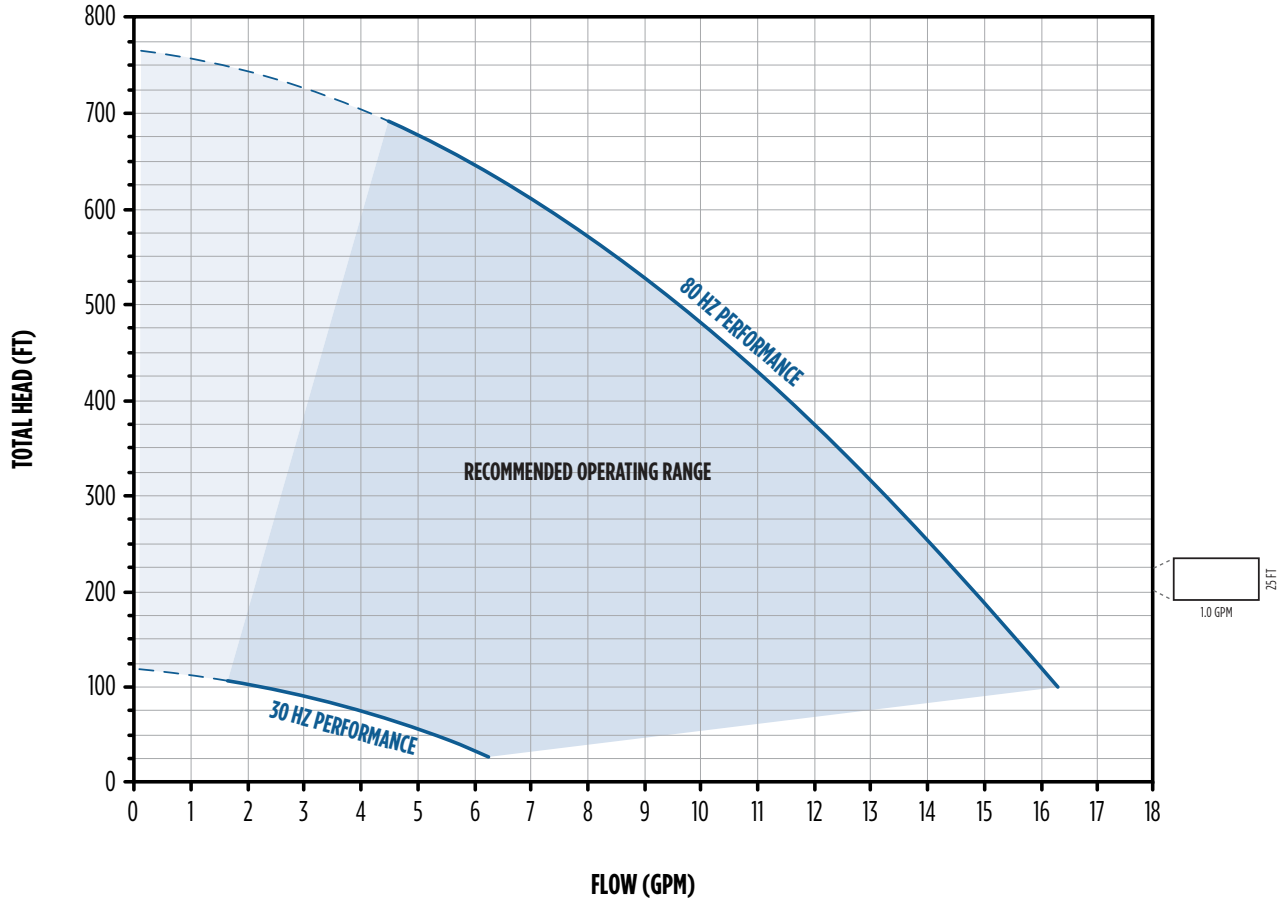


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	
3	0																									11	10	9	9	8	7	6	6	5	4	3	2
	10																									11	10	10	9	8	8	7	6	5	4	3	2
	20																									11	10	9	9	8	7	6	6	5	4	3	2
	30																								11	10	10	9	8	8	7	6	5	4	3	2	
	40																								11	10	9	9	8	7	6	6	5	4	3	2	
	50																								11	10	10	9	8	8	7	6	5	4	3	2	
	60																								11	10	9	9	8	7	7	6	5	4	3	2	
	70																								10	10	9	8	8	7	6	5	4	4	2		
80																								11	10	9	9	8	7	7	6	5	4	3	2		
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.

10SDQP-1.5HP-3RC/N4

SD20/75 | 10 GPM, 0.75 HP PUMP END | 1.5 HP MOTOR

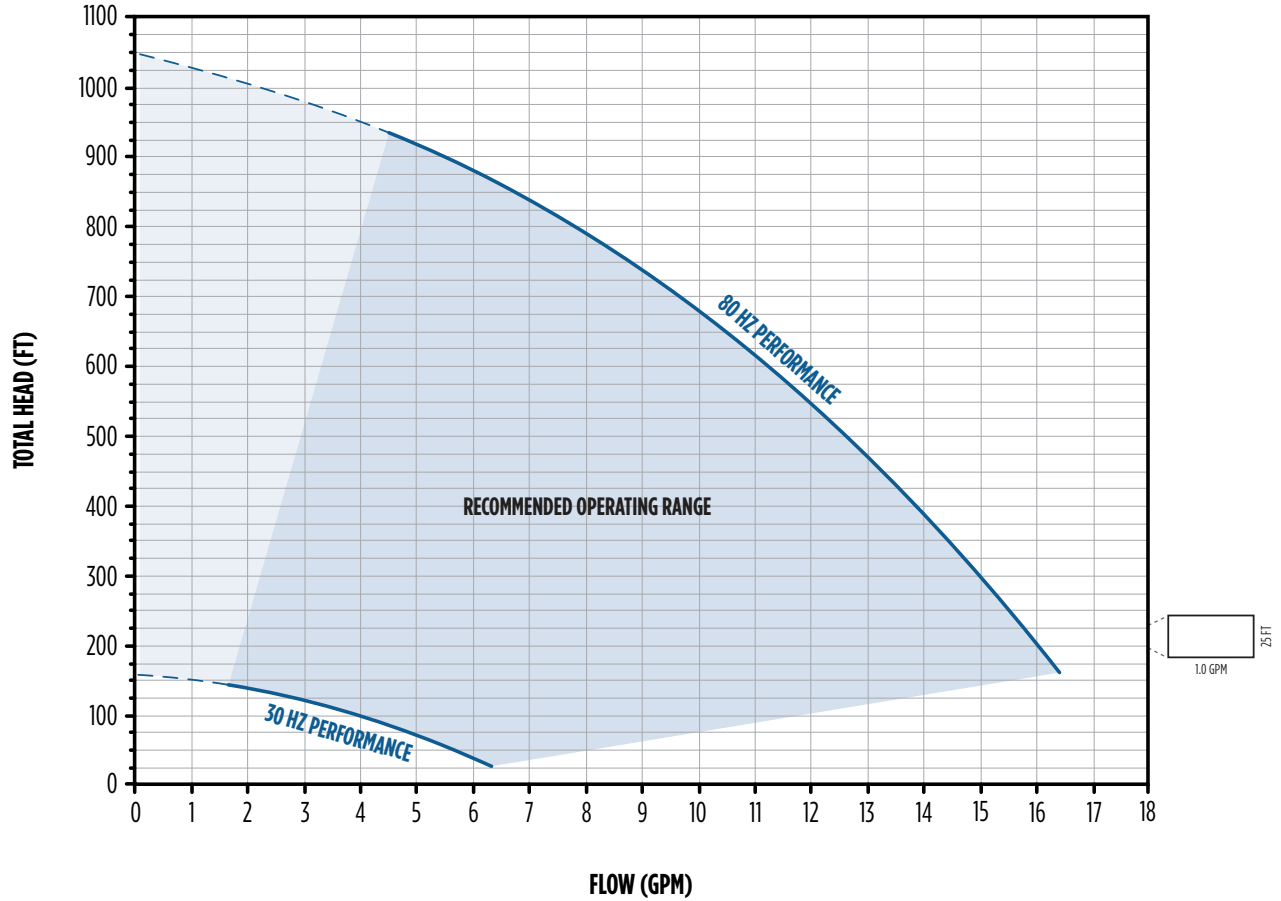


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650
1.5	0						16	16	16	15	15	14	13	13	12	11	10	8	7	6
	10					16	16	16	15	15	14	13	12	11	10	9	8	7	5	
	20				16	16	15	15	15	14	13	12	11	10	9	7	6			
	30		16	16	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.

10SDQP-2.0HP-3RC/N4

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

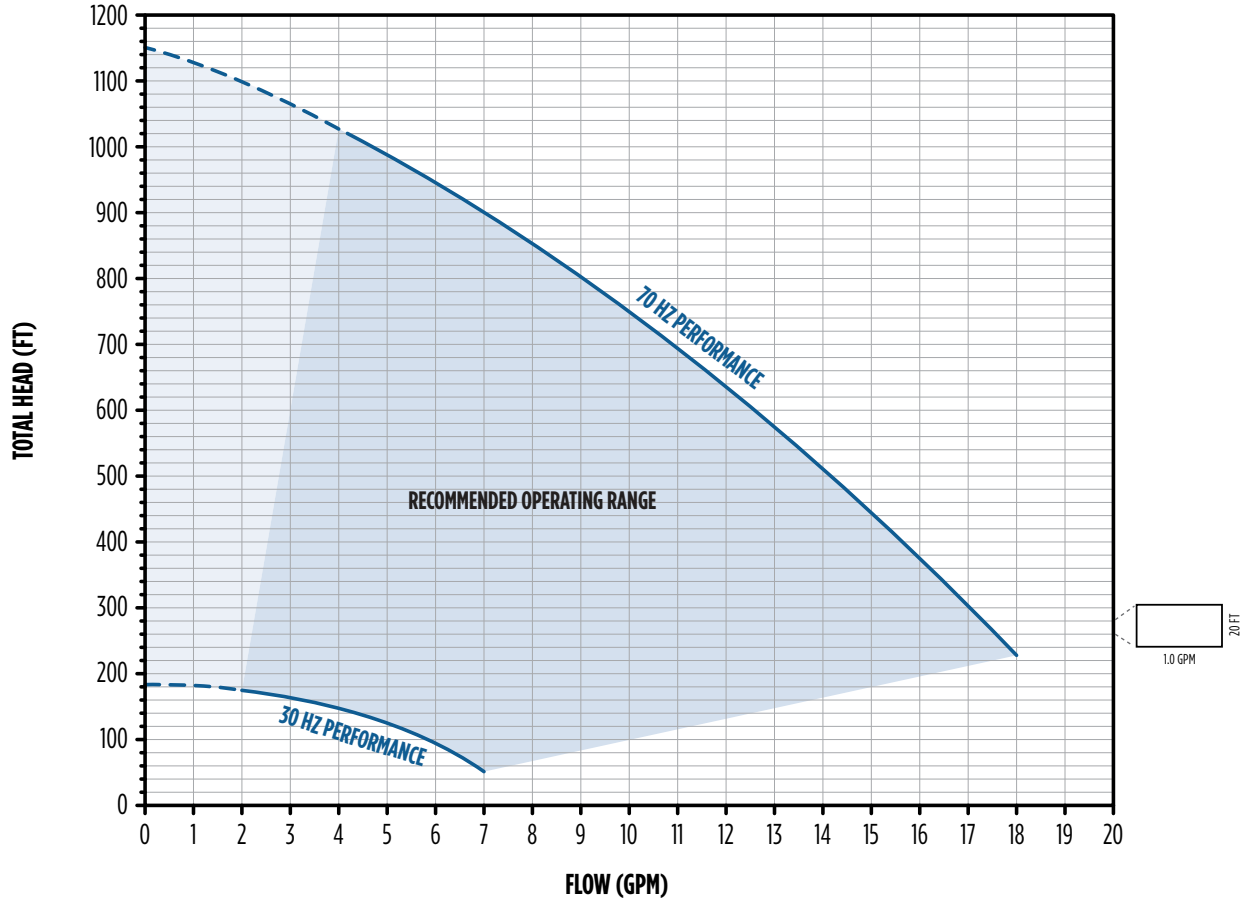


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																							
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
2	0										16	16	15	15	14	13	13	12	11	11	10	9	8	7	6
	10								16	16	16	15	15	14	14	13	12	12	11	10	9	8	7	6	5
	20							16	16	16	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	16	15	15	14	13	13	12	11	11	10	9	8	7	6		
	50				16	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	7	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	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.

10SDQP-3.0HP-3RC/N4

SD30 | 10 GPM, 2 HP PUMP END | 3 HP MOTOR

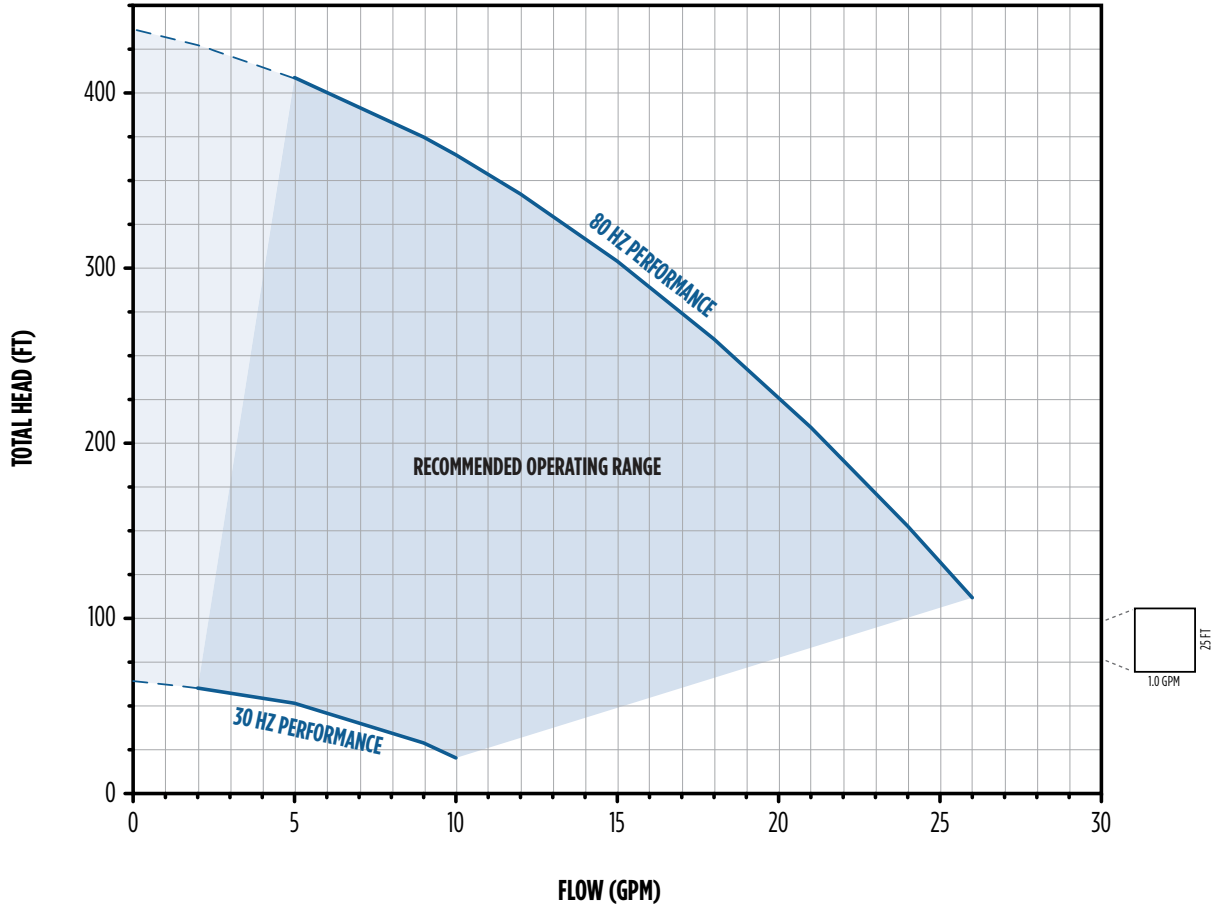


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																									
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
3	0											17	16	16	15	14	13	13	12	11	10	9	8	7	6	5	
	10										17	17	16	15	15	14	13	12	11	11	10	9	8	6	5	4	
	20										17	16	16	15	14	14	13	12	11	10	9	8	7	6	5		
	30										17	17	16	15	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	17	16	15	14	14	13	12	11	10	9	8	7	6	5	4		
	70					17	17	17	17	17	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.

15SDQP-1.5HP-3RC/N4

SD20/75 | 15 GPM, 0.75 HP PUMP END | 1.5 HP MOTOR

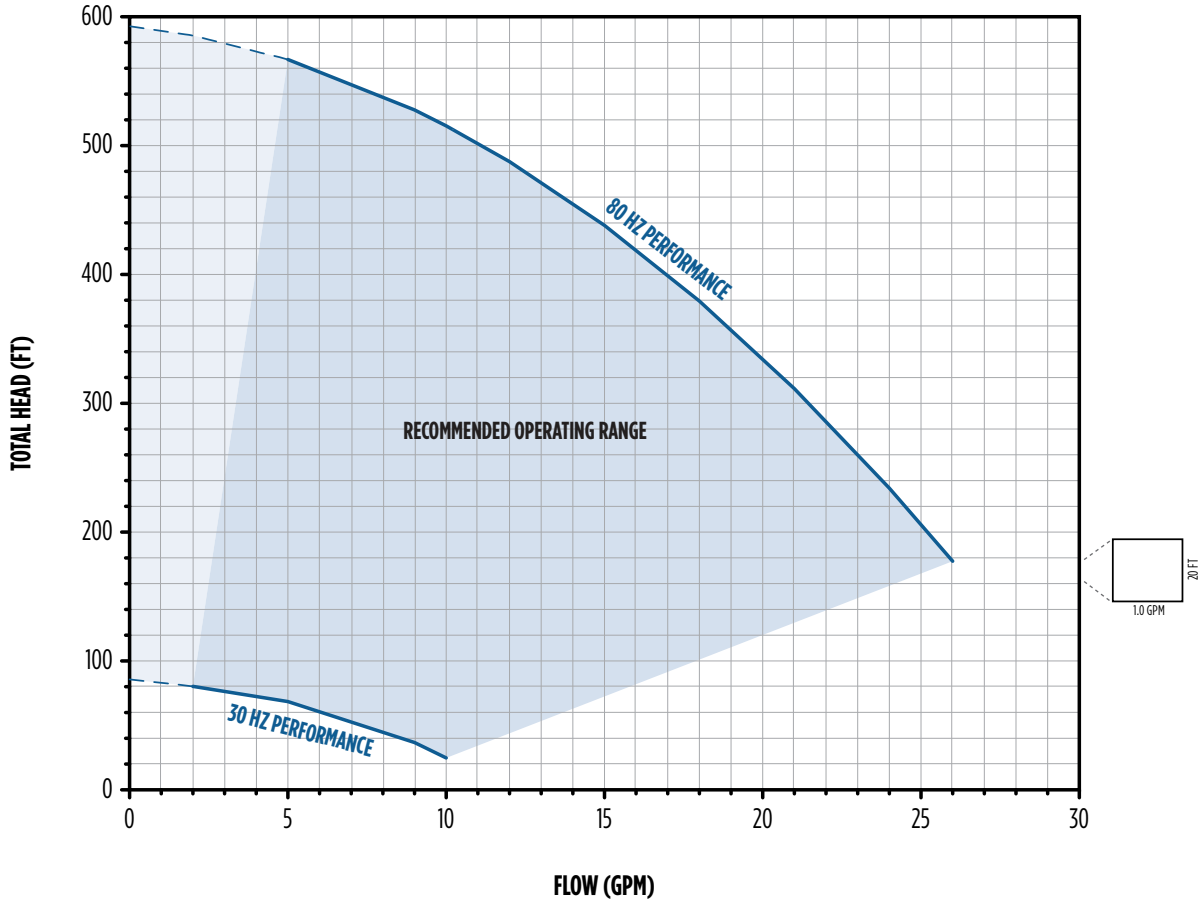


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
1.5	0								24	23	22	19	15	11	6
	10						24	23	22	21	20	17	14	9	
	20					24	23	22	21	20	19	15	12	7	
	30				24	23	22	21	20	19	17	14	10		
	40			24	23	22	21	20	18	17	16	12	7		
	50		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.

15SDQP-2.0HP-3RC/N4

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

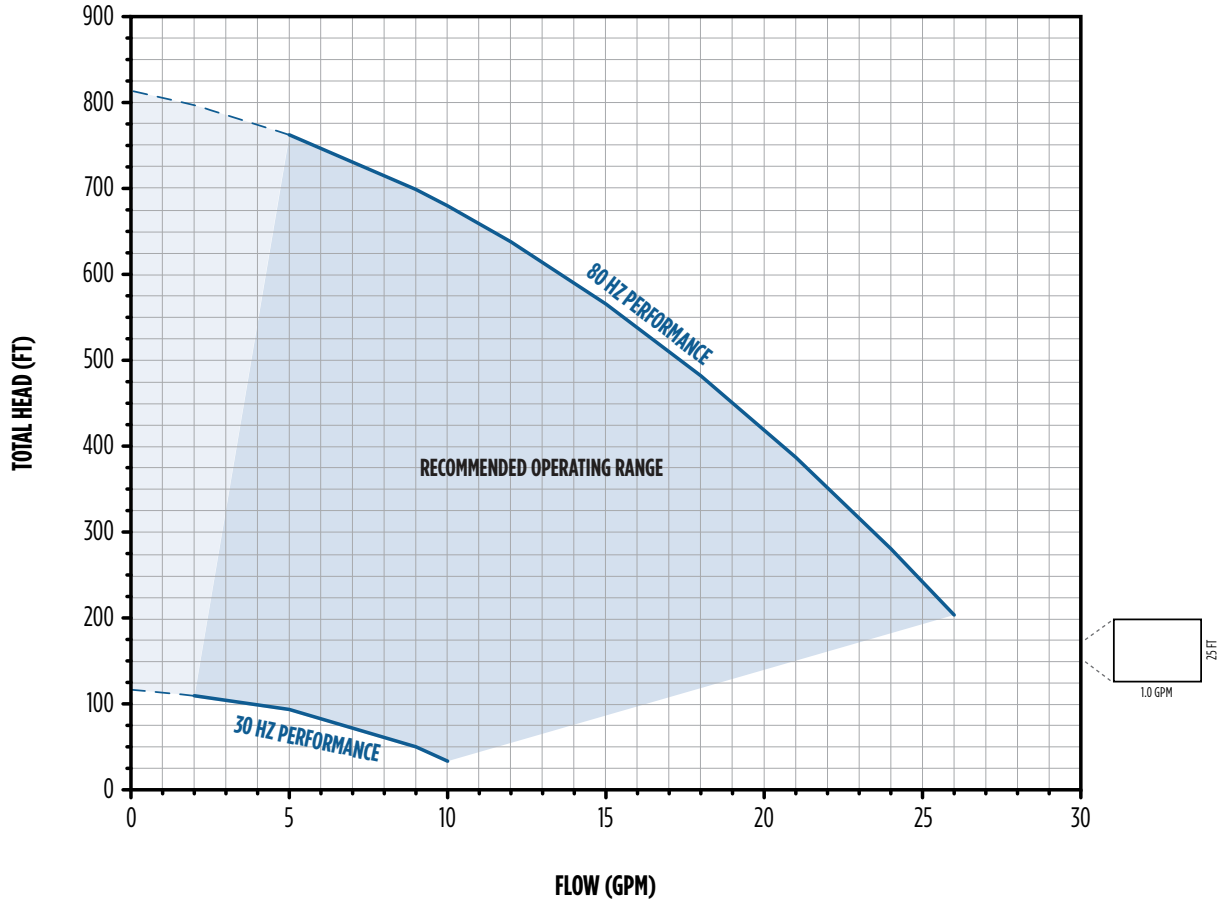


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
2	0											23	22	19	17	14	11	7
	10										24	23	21	18	16	13	10	
	20									24	24	22	20	17	14	12	7	
	30								24	23	23	21	18	16	13	10		
	40							24	23	23	22	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.

15SDQP-3.0HP-3RC/N4

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

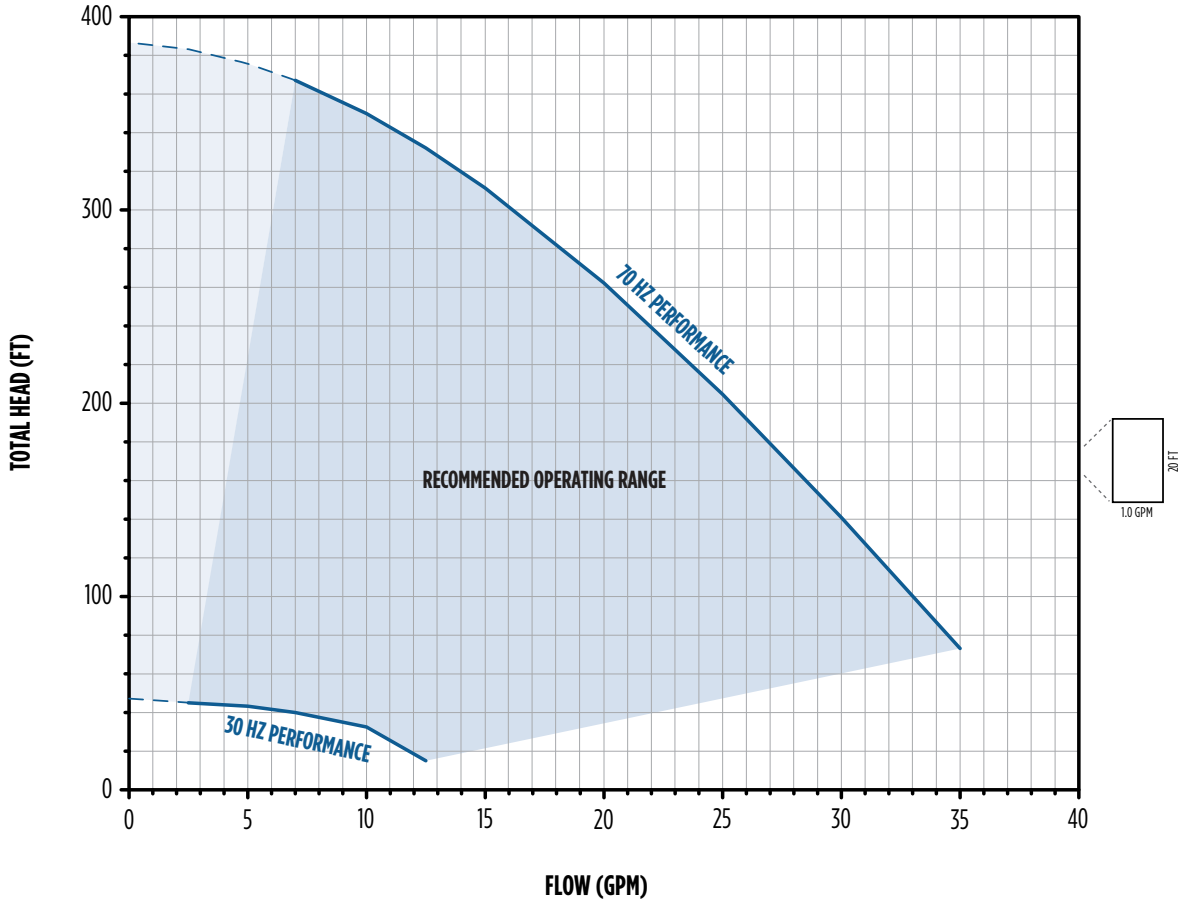


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750
3	0												23	22	21	19	17	15	14	11	9	6
	10											24	23	21	20	18	16	15	13	10	8	
	20										24	22	21	19	17	16	14	12	9	6		
	30									24	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	24	23	22	21	19	18	16	14	12	10	7				
	70					24	24	23	23	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.

20SDQP-1.5HP-3RC/N4

SD20/75 | 20 GPM, 1 HP PUMP END | 1.5 HP MOTOR

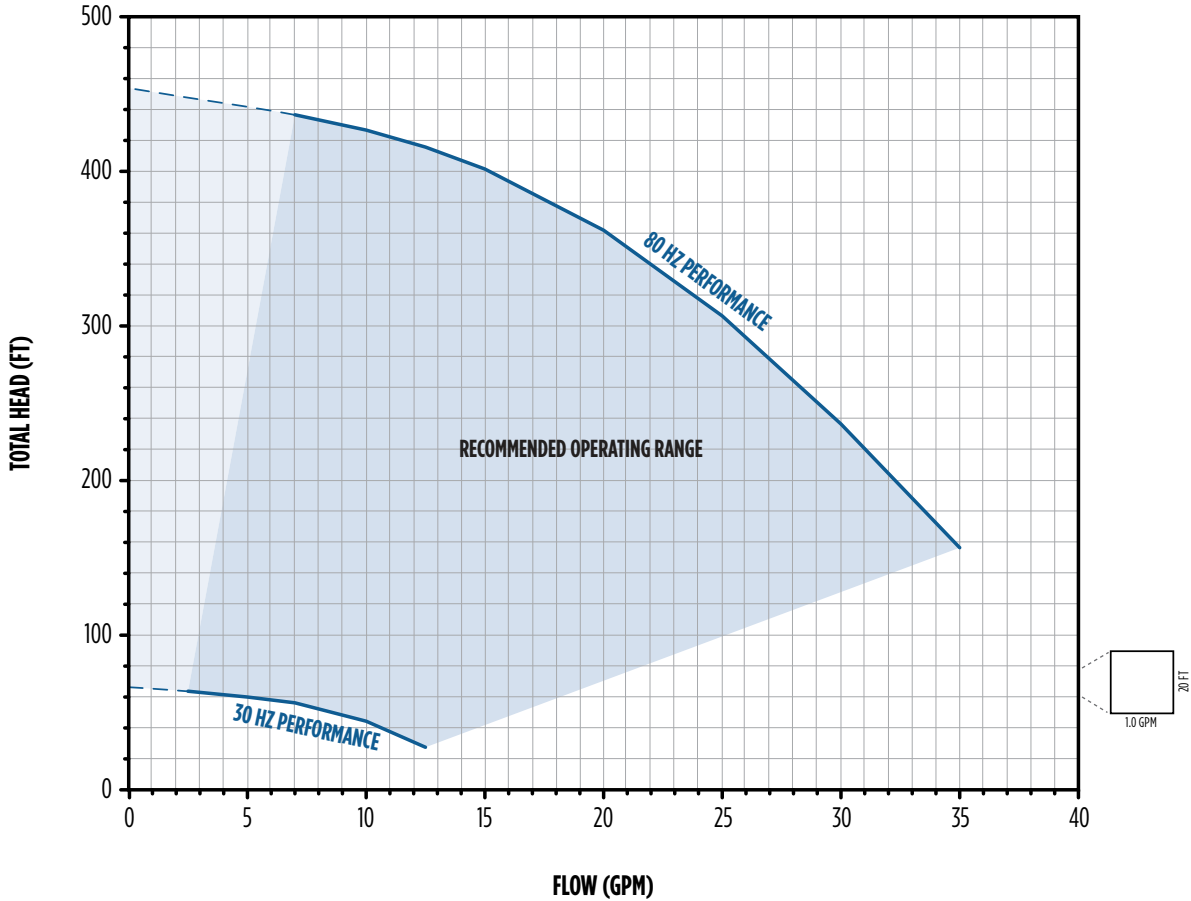


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1.5	0				34	32	31	30	29	27	26	21	16
	10			34	32	31	30	29	27	25	23	19	14
	20		33	32	31	30	28	27	25	23	21	16	11
	30	33	32	31	29	28	27	25	23	21	19	14	
	40	31	30	29	28	26	25	23	21	19	17	11	
	50	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.

20SDQP-2.0HP-3RC/N4

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

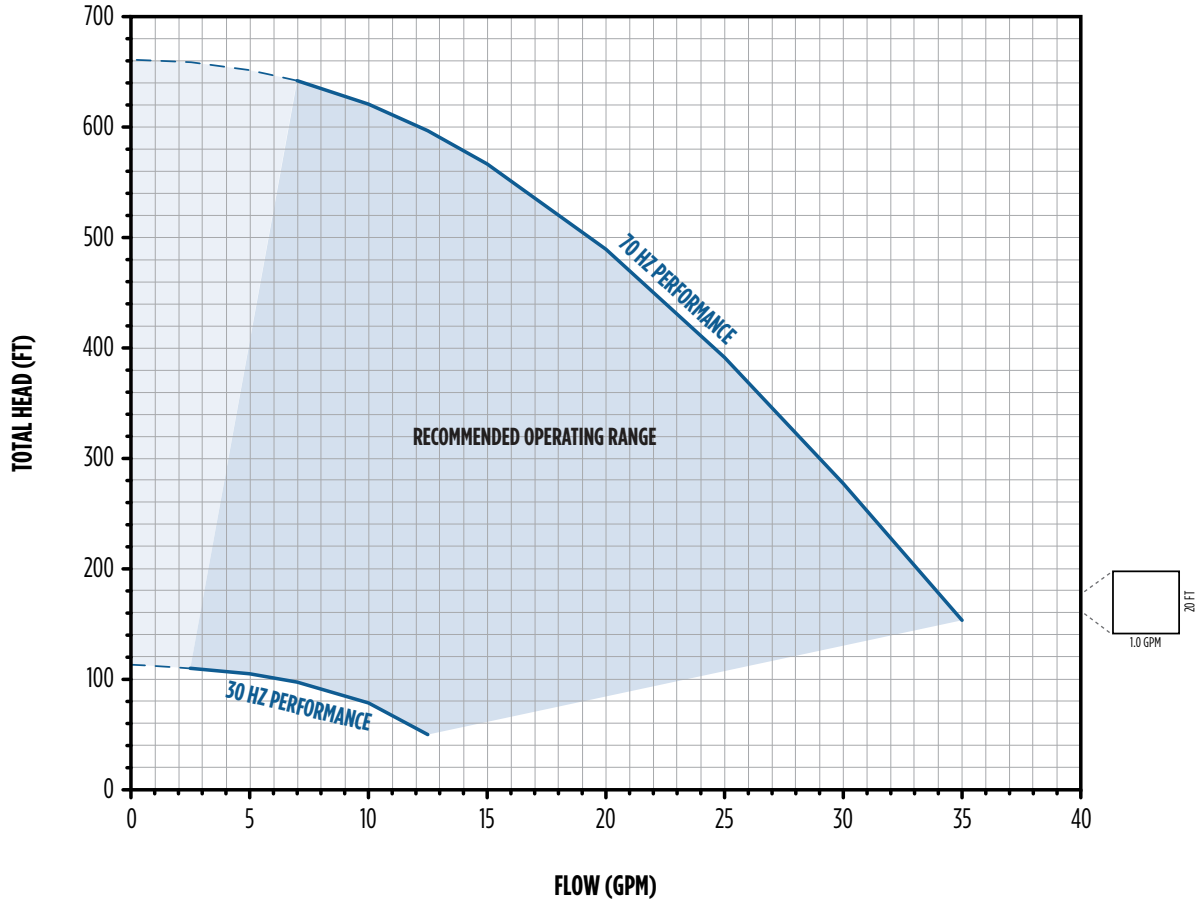


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
2	0								35	33	32	29	26	21	15
	10							34	32	31	31	28	24	19	11
	20						34	32	31	30	29	26	21	16	
	30					34	32	31	30	29	28	24	19	12	
	40				33	32	31	30	29	28	26	22	16		
	50			33	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.

20SDQP-3.0HP-3RC/N4

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

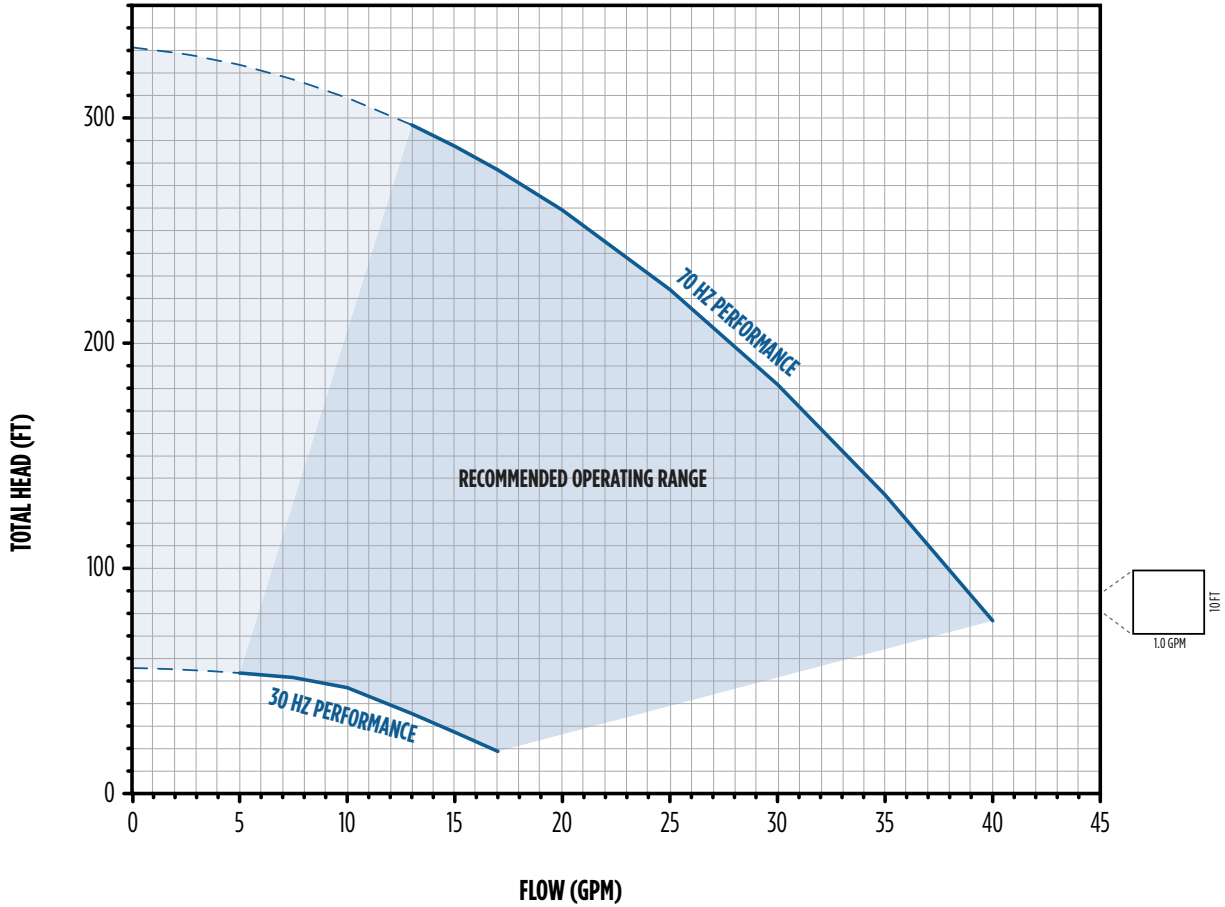


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
3	0								35	34	33	31	29	27	24	22	19	17	13
	10							35	33	33	32	30	28	26	23	21	18	15	
	20						34	33	33	32	31	30	27	25	22	19	17	13	
	30					34	33	32	32	31	31	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.

25SDQP-1.5HP-3RC/N4

SD20/75 | 25 GPM, 1 HP PUMP END | 1.5 HP MOTOR

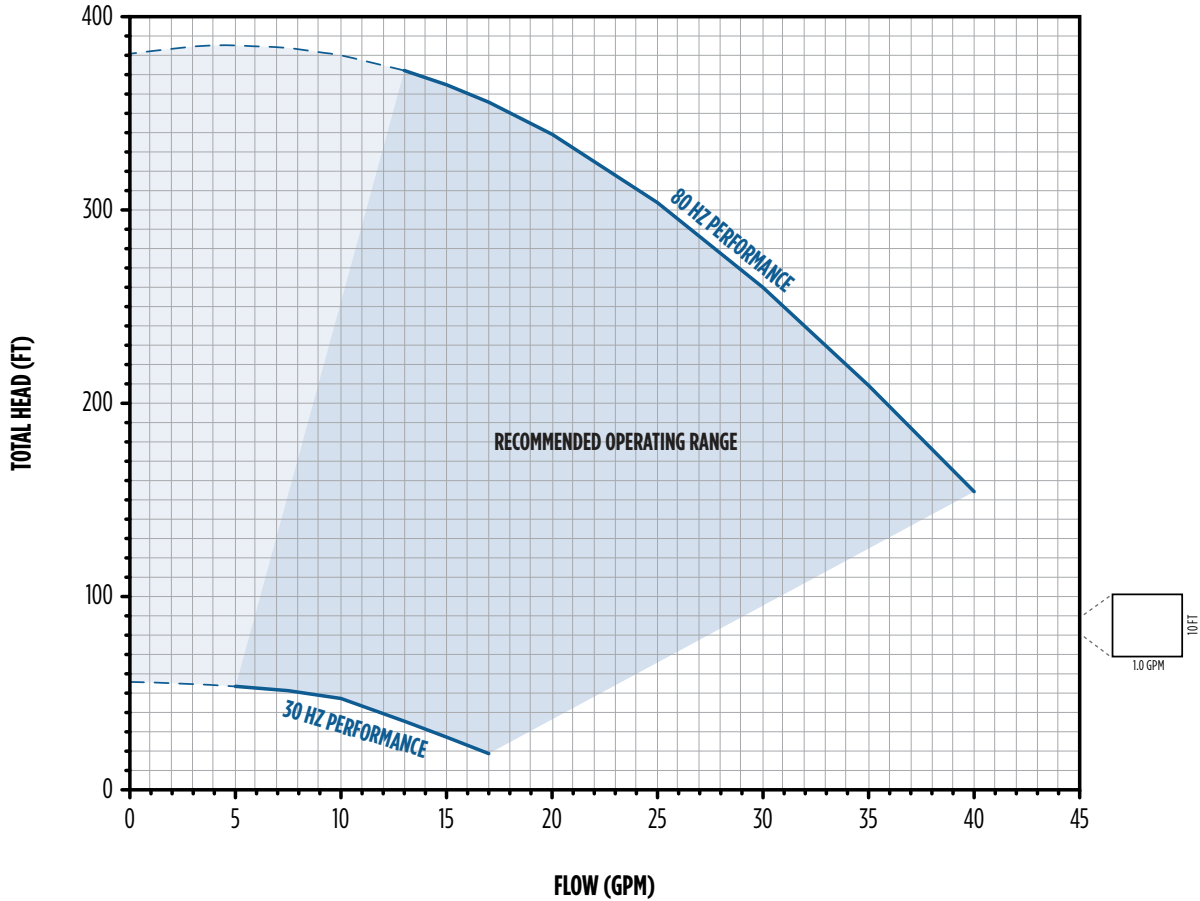


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
1.5	0				39	37	36	34	33	30	28	21
	10			39	37	36	34	32	30	28	25	18
	20		39	37	35	34	32	30	27	24	22	
	30	38	36	35	34	32	29	27	24	21	18	
	40	36	35	33	31	29	26	24	21	18	14	
	50	35	33	31	29	26	23	20	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.

25SDQP-2.0HP-3RC/N4

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

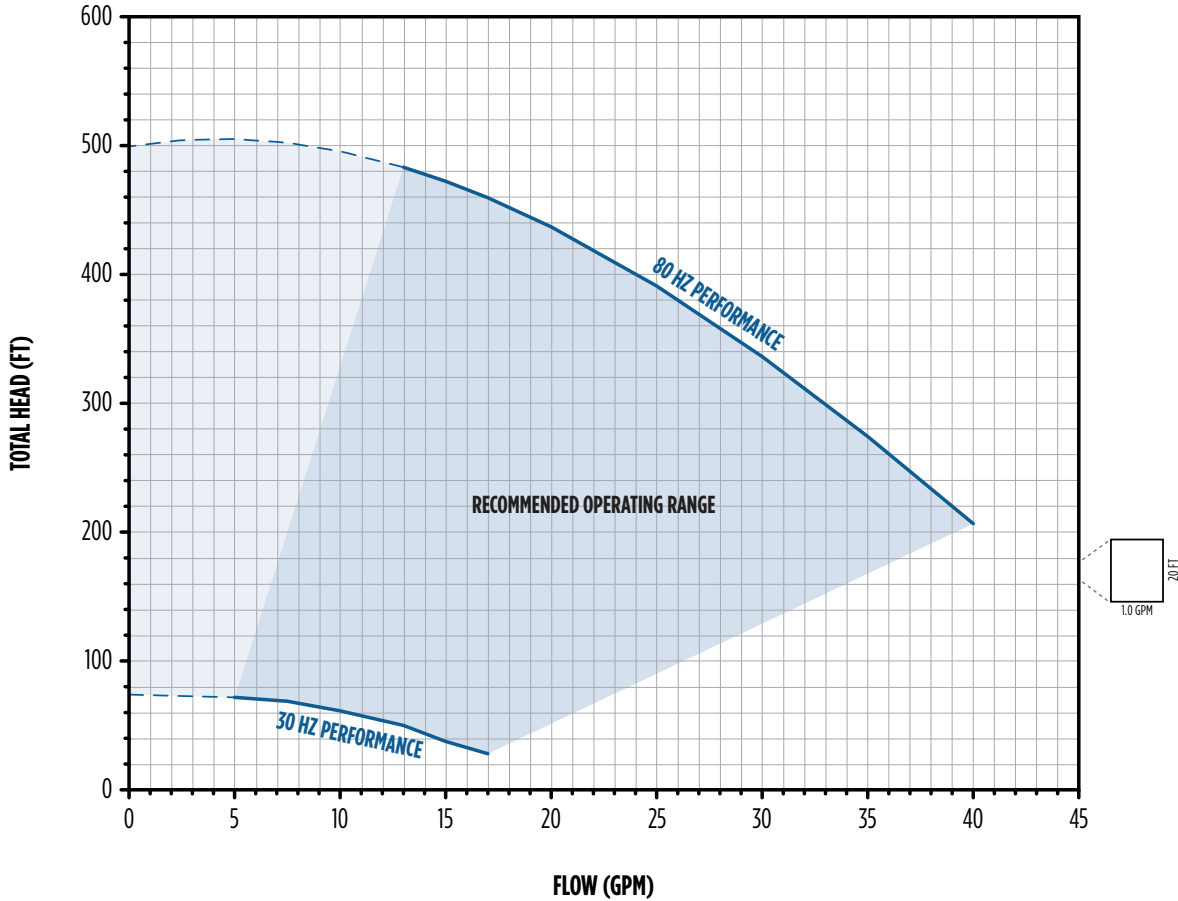


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	
2	0								39	36	35	31	25	19	
	10							38	36	35	34	28	23		
	20						38	36	35	34	32	25	19		
	30					37	36	35	34	31	29	23			
	40				37	36	35	33	31	29	26	20			
	50		40	37	36	35	33	31	28	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.

25SDQP-3.0HP-3RC/N4

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

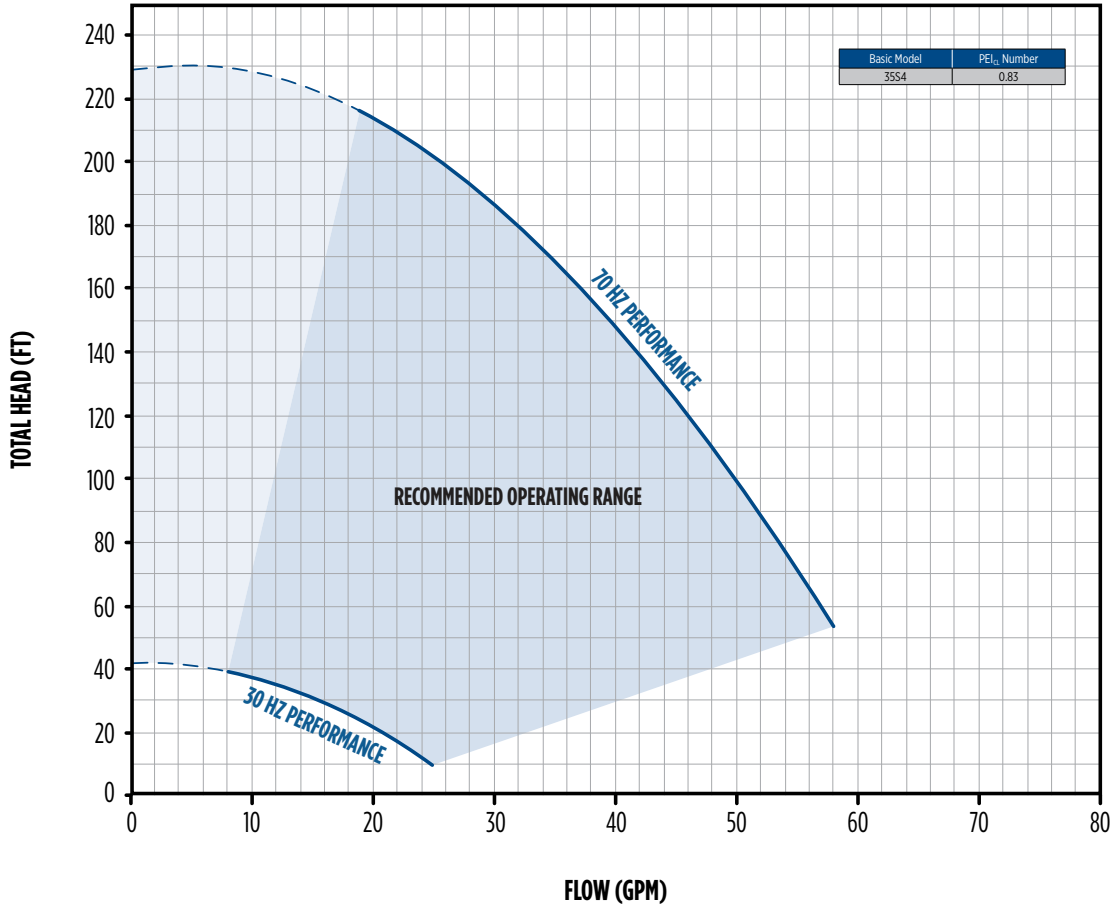


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450
3	0										36	33	29	24	19	
	10									38	35	31	26	22	15	
	20								38	36	34	29	24	19		
	30							40	37	36	35	32	27	22	16	
	40						39	37	36	35	34	30	24	20		
	50					39	37	36	35	34	32	27	22	16		
	60			38	37	36	35	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.

35SDQP-1.5HP-3RC/N4

SD20/75 | 35 GPM, 1 HP PUMP END | 1.5 HP MOTOR

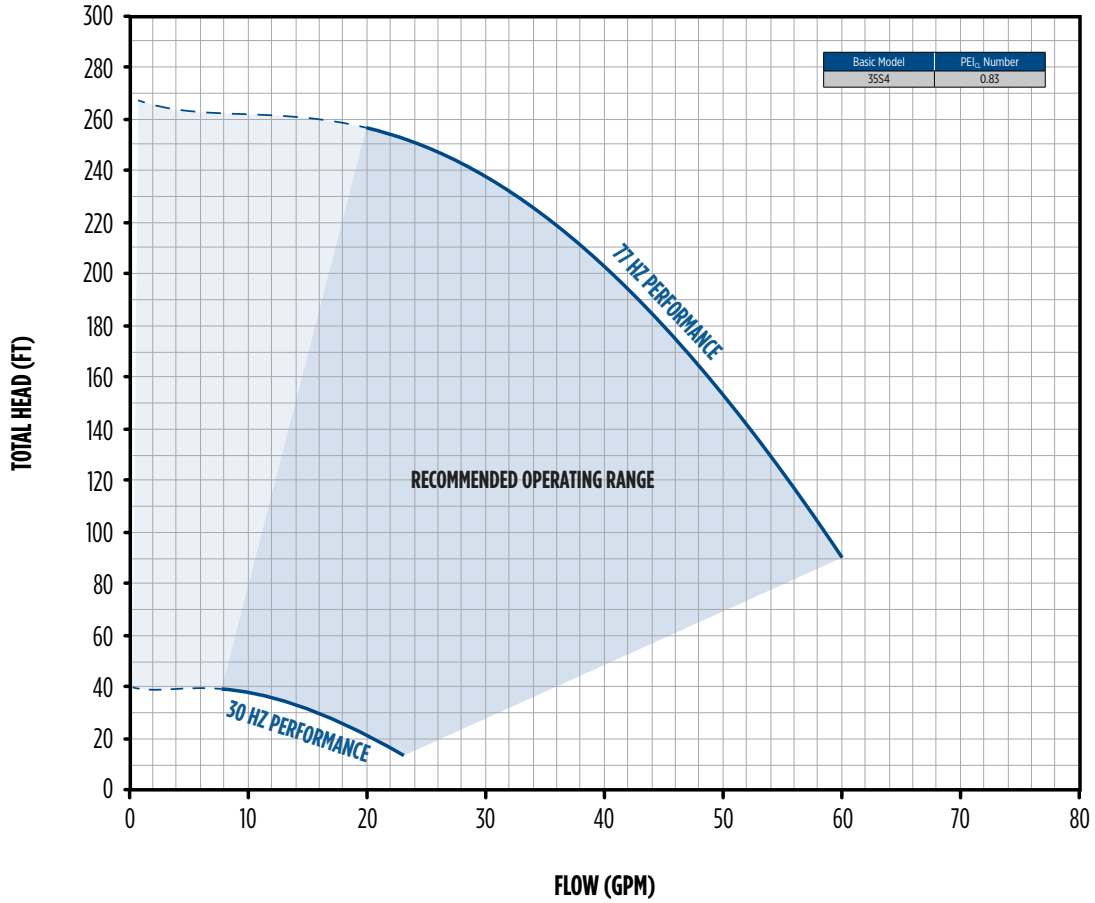


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	200
1.5	0			55	49	44	40	35	30	26	21
	10		54	48	43	39	34	29	25	21	15
	20	53	47	43	38	33	29	24	20		
	30	47	42	37	33	28	24	19			
	40	41	37	32	27	23	18				
	50	36	31	27	22	18					
	60	30	26	22	17						
	70	25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

35SDQP-2.0HP-3RC/N4

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

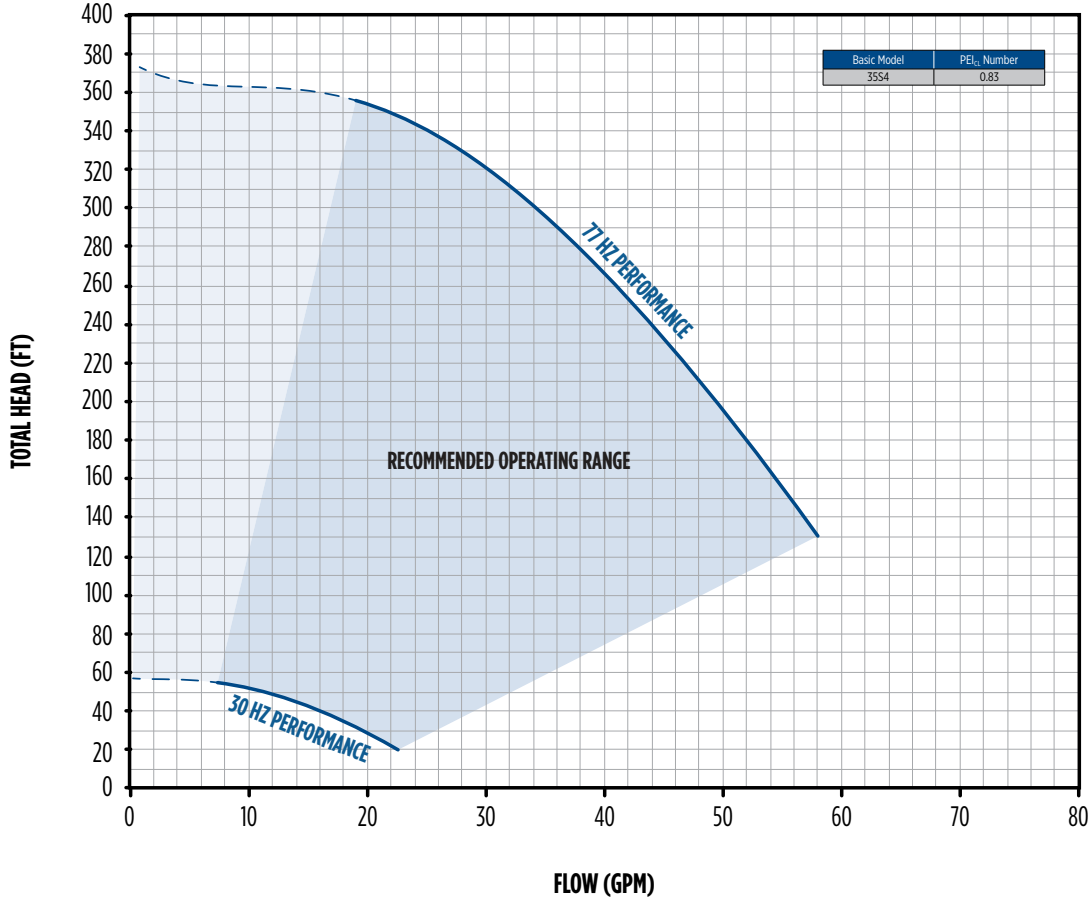


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
2	0						53	49	46	41	36	25
	10					52	48	45	41	36	31	19
	20				51	48	44	40	35	30	26	
	30			51	47	44	39	34	30	26	20	
	40	54	50	47	43	38	33	29	25	19		
	50	50	46	42	38	33	28	24	18			
	60	46	42	37	32	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.

35SDQP-3.0HP-3RC/N4

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

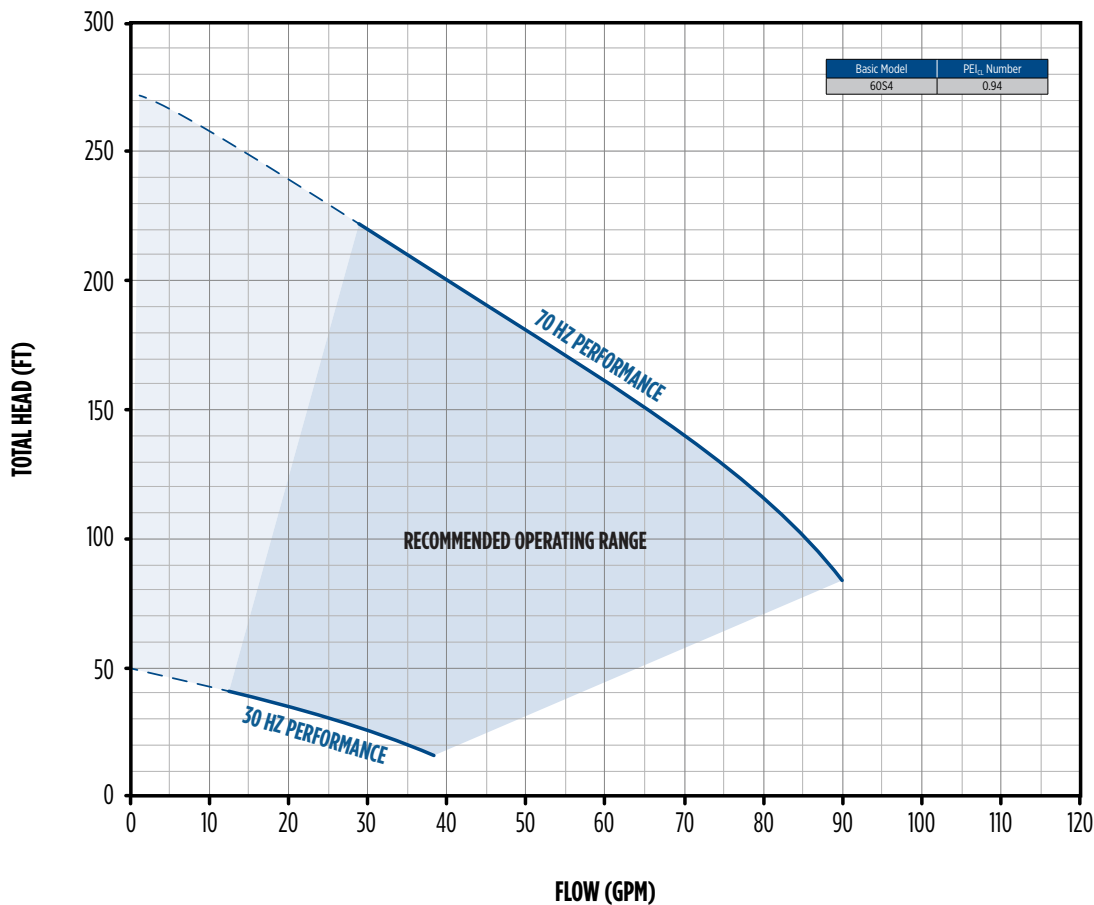


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	
3	0				58	57	55	53	51	48	44	36	27	18	
	10		60	58	57	55	53	50	47	44	40	32	23		
	20	60	58	56	55	52	50	47	43	40	36	28	19		
	30	58	56	54	52	49	46	43	39	36	32	24			
	40	56	54	52	49	46	42	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.

60SDQP-3.0HP-3RC/N4

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

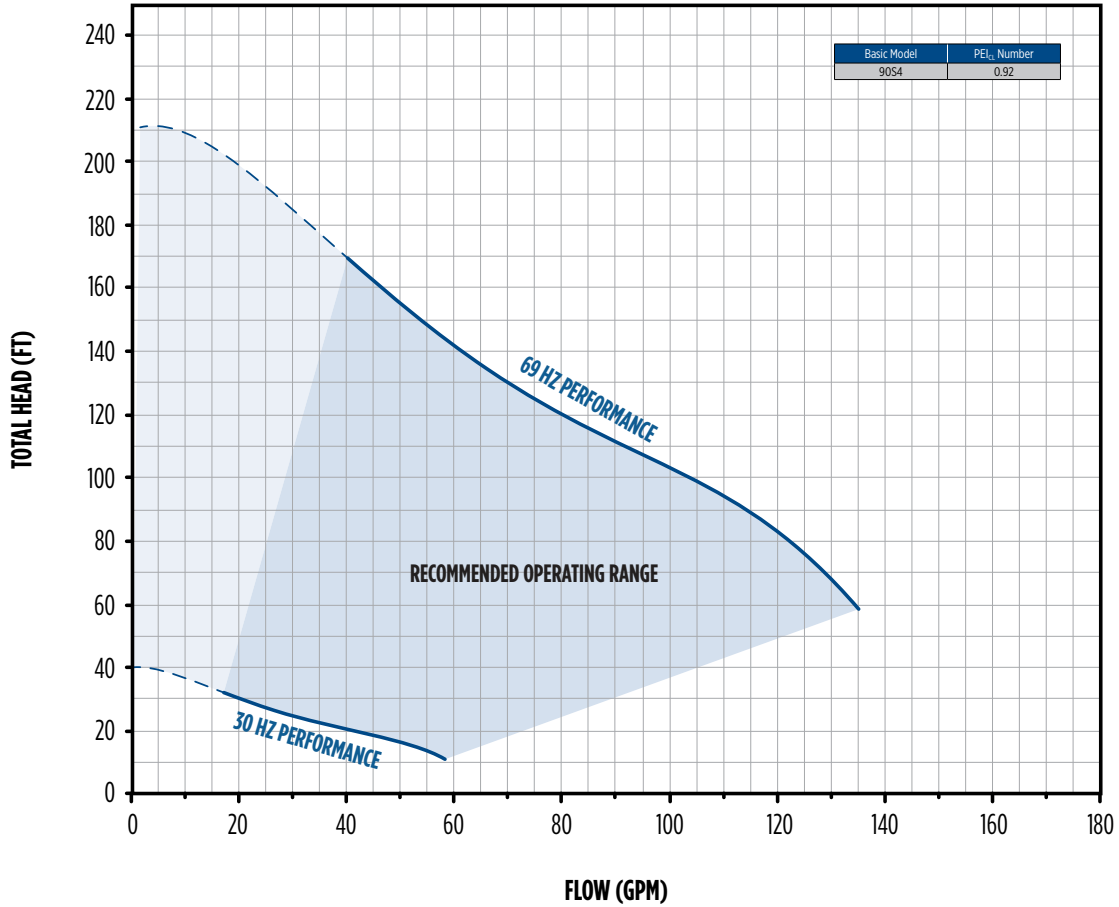


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	200
3	0				93	81	72	64	56	49	41
	10			91	79	70	62	55	47	40	32
	20		89	78	69	61	54	46	39	31	
	30	87	76	68	60	53	45	38	30		
	40	75	66	59	51	44	36	29			
	50	65	58	50	43	35	28				
	60	57	49	42	34	26					
	70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

90SDQP-3.0HP-3RC/N4

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



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.

SUBDRIVE 3-WIRE QUICKPAK - ORDERING INFORMATION

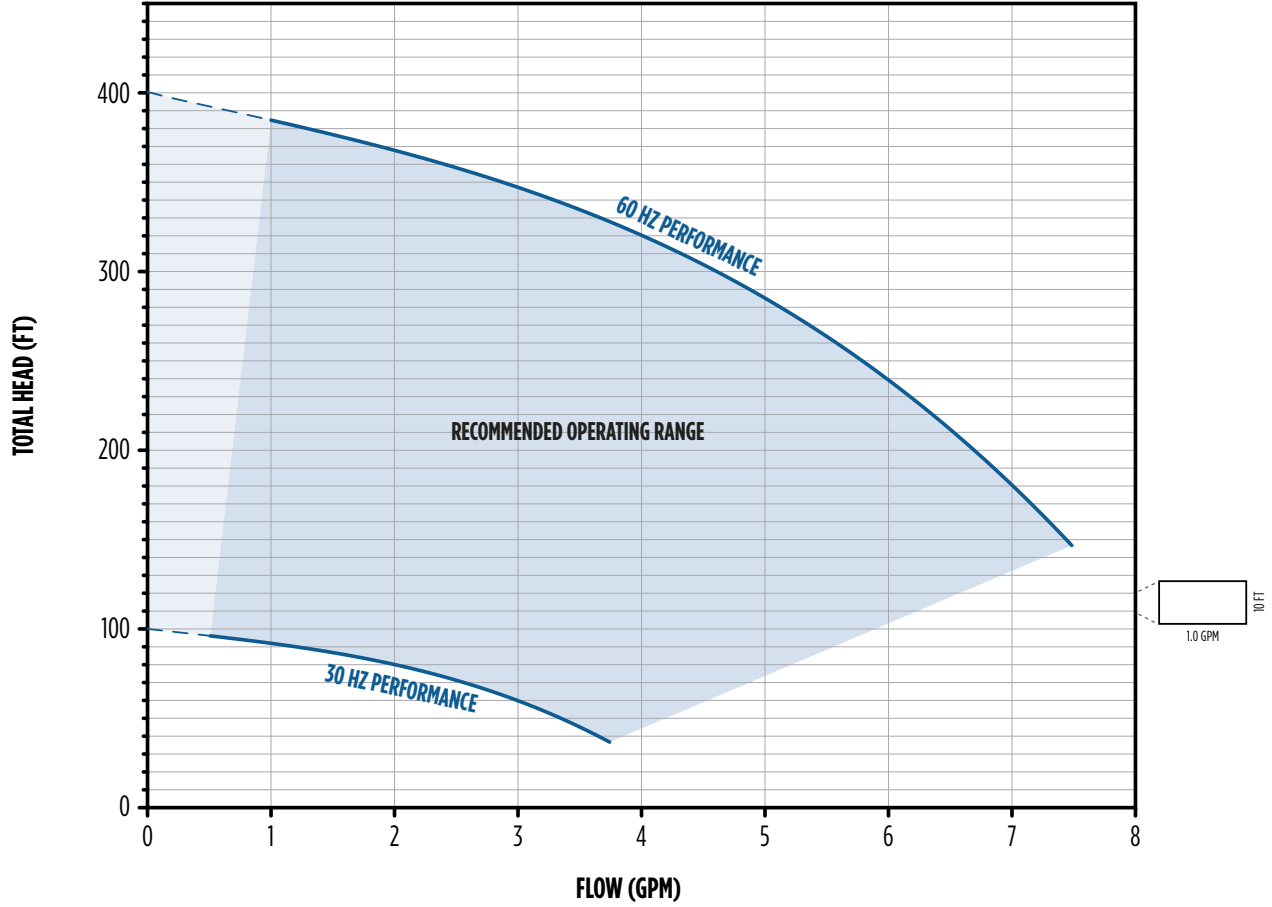
NEMA 3R ENCLOSURE (SD CONNECT)

QuickPAK		Subdrive			Pump				Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Part No.	Hydraulics	Design	HP	Voltage	Part No.
93975111C	5-3WQP-0.5HP-3RC	5	SD20	5870205313C	5	0.5	93870505	3200	SS	0.5	230V 1-PH (3W)	2145059004GS
93975112C	5-3WQP-0.75HP-3RC	5	SD20	5870205313C	5	0.75	93870507	3200		0.75		2145079004GS
93975113C	5-3WQP-1.0HP-3RC	5	SD20	5870205313C	5	1	93870510	3200		1		2145089003GS
93975121C	7-3WQP-0.5HP-3RC	7	SD20	5870205313C	7	0.5	93870705	3200		0.5		2145059004GS
93975122C	7-3WQP-0.75HP-3RC	7	SD20	5870205313C	7	0.75	93870707	3200		0.75		2145079004GS
93975123C	7-3WQP-1.0HP-3RC	7	SD20	5870205313C	7	1	93870710	3200		1		2145089003GS
93975131C	10-3WQP-0.5HP-3RC	10	SD20	5870205313C	10	0.5	93871004	3200		0.5		2145059004GS
93975132C	10-3WQP-0.75HP-3RC	10	SD20	5870205313C	10	0.75	93871006	3200		0.75		2145079004GS
93975133C	10-3WQP-1.0HP-3RC	10	SD20	5870205313C	10	1	93871009	3200		1		2145089003GS
93975234C	10-3WQP-1.5HP-3RC	10	SD20	5870205313C	10	1.5	93871014	3200		1.5		2243009203GS
93975235C	10-3WQP-2.0HP-3RC	10	SD20	5870205313C	10	2	93871020	Tri-Seal		2		2243019204GS
93975141C	15-3WQP-0.5HP-3RC	15	SD20	5870205313C	15	0.5	93871505	Tri-Seal		0.5		2145059004GS
93975142C	15-3WQP-0.75HP-3RC	15	SD20	5870205313C	15	0.75	93871507	Tri-Seal		0.75		2145079004GS
93975143C	15-3WQP-1.0HP-3RC	15	SD20	5870205313C	15	1	93871510	Tri-Seal		1		2145089003GS
93975244C	15-3WQP-1.5HP-3RC	15	SD20	5870205313C	15	1.5	93871515	Tri-Seal		1.5		2243009203GS
93975245C	15-3WQP-2.0HP-3RC	15	SD20	5870205313C	15	2	93871520	Tri-Seal		2		2243019204GS
93975152C	20-3WQP-0.75HP-3RC	20	SD20	5870205313C	20	0.75	93872007	Tri-Seal		0.75		2145079004GS
93975153C	20-3WQP-1.0HP-3RC	20	SD20	5870205313C	20	1	93872010	Tri-Seal		1		2145089003GS
93975254C	20-3WQP-1.5HP-3RC	20	SD20	5870205313C	20	1.5	93872015	Tri-Seal		1.5		2243009203GS
93975255C	20-3WQP-2.0HP-3RC	20	SD20	5870205313C	20	2	93872020	Tri-Seal		2		2243019204GS
93975163C	25-3WQP-1.0HP-3RC	25	SD20	5870205313C	25	1	93872510	Tri-Seal	1	2145089003GS		
93975264C	25-3WQP-1.5HP-3RC	25	SD20	5870205313C	25	1.5	93872515	Tri-Seal	1.5	2243009203GS		
93975265C	25-3WQP-2.0HP-3RC	25	SD20	5870205313C	25	2	93872520	Tri-Seal	2	2243019204GS		

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

5-3WQP-0.5HP-3RC

SD20 | 5 GPM, 0.5 HP PUMP END | 0.5 HP MOTOR

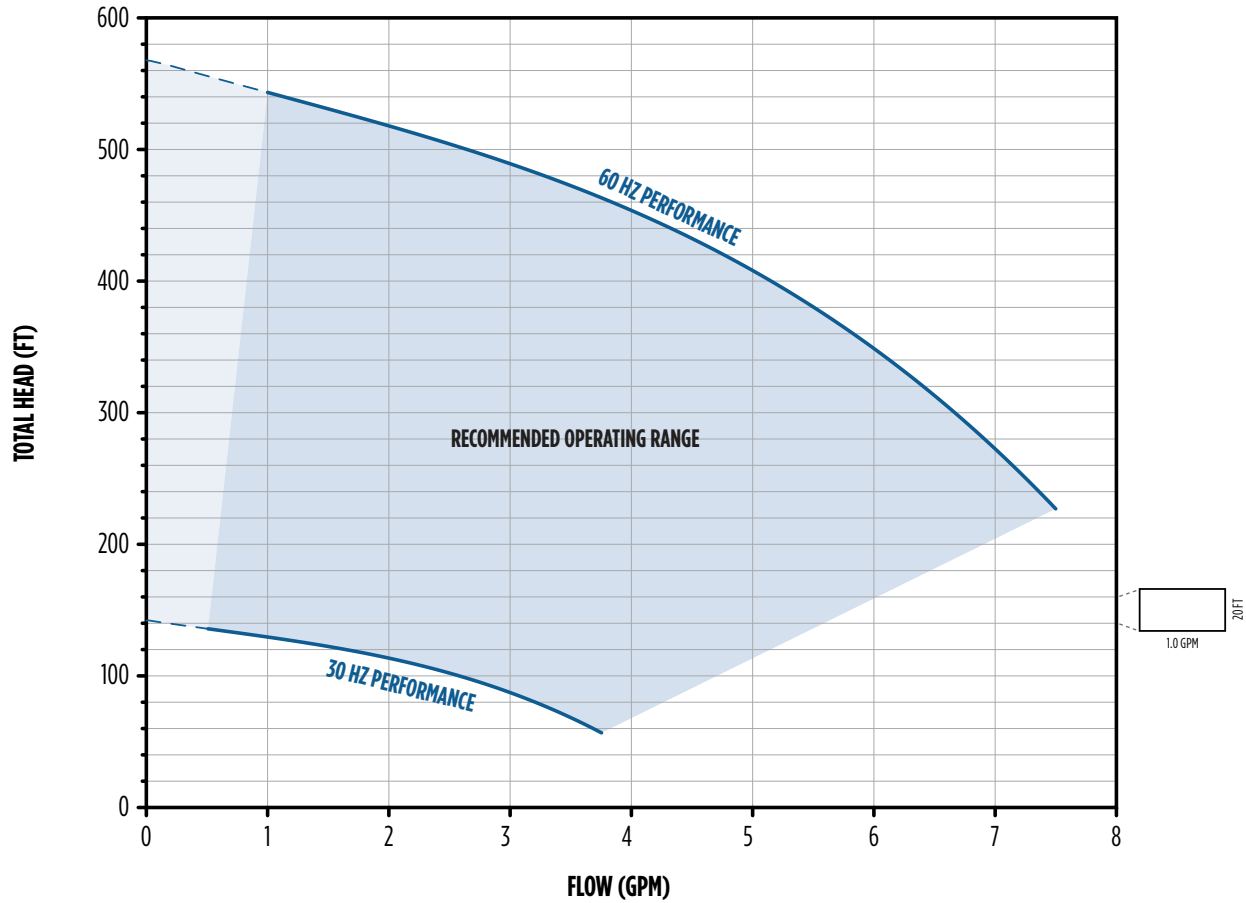


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
1/2	0				8	8	8	7	7	7	6	5	4	3									390	
	20		8	8	8	7	7	7	6	6	6	4	3											
	30	8	8	7	7	7	7	6	6	6	5	4												
	40	8	7	7	7	7	6	6	6	5	5	3												
	50	7	7	7	7	6	6	5	5	4	4	2												
	60	7	7	6	6	6	5	5	4	4	3													
	80	6	6	6	5	5	4	4	3	2														
Shut-off PSI		161	152	143	135	126	117	109	100	91	83	61	39	18										

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

5-3WQP-0.75HP-3RC

SD20 | 5 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

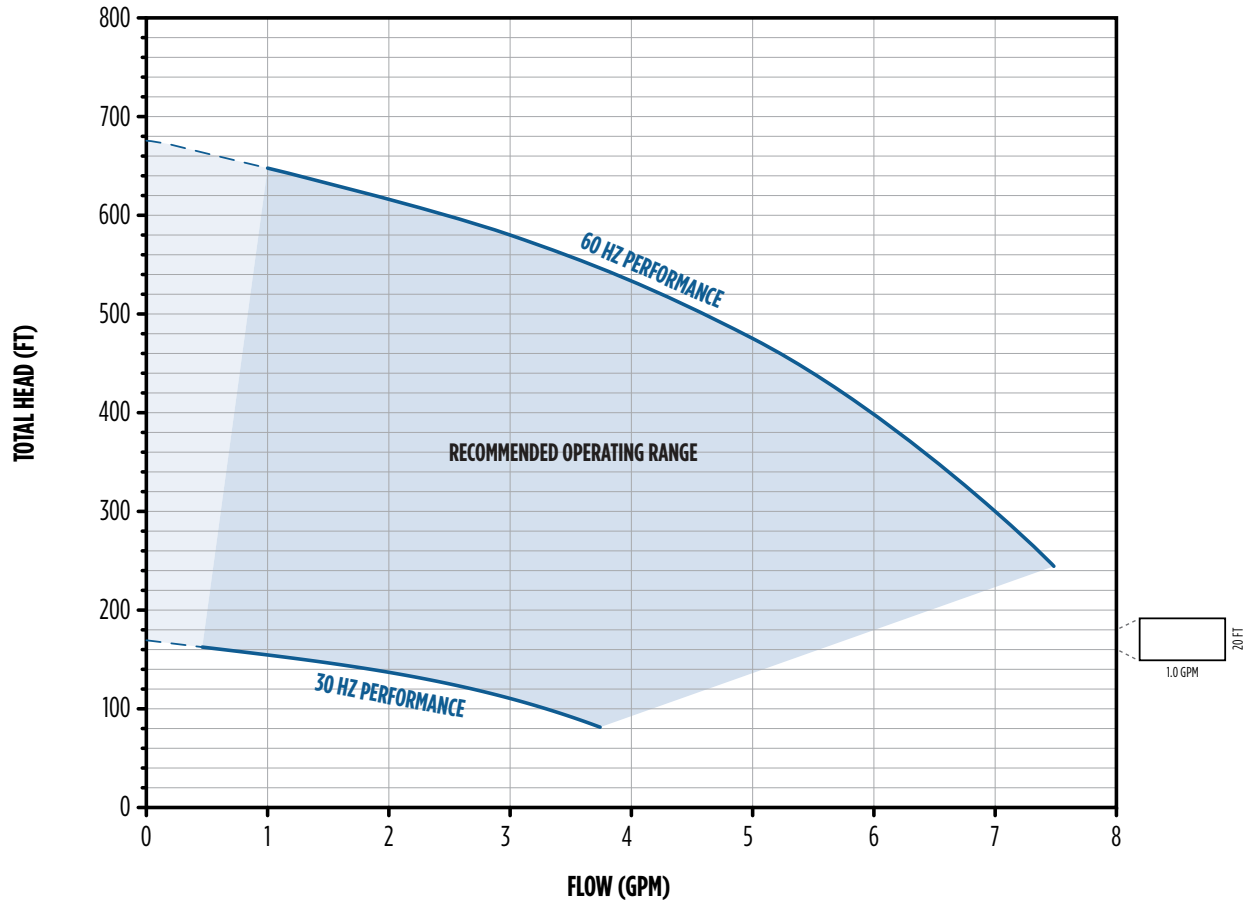


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550
.75	0									8	8	7	7	6	6	5	4	3	3		
	10							8	8	8	8	7	7	6	5	5	4	3	2		
	20						8	8	8	7	7	6	6	5	4	4	3	2			
	30					8	8	8	7	7	7	6	6	5	4	3					
	40				8	8	8	7	7	7	7	6	6	5	4	3	2				
	50			8	8	8	7	7	7	7	6	6	5	4	4	2					
	60		8	8	8	8	7	7	7	7	6	5	5	4	3						
	70	8	8	8	8	7	7	7	7	6	6	5	4	3	2						
80	8	8	7	7	7	7	7	6	6	6	5	5	4	3							
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.

5-3WQP-1.0HP-3RC

SD20 | 5 GPM, 1 HP PUMP END | 1 HP MOTOR

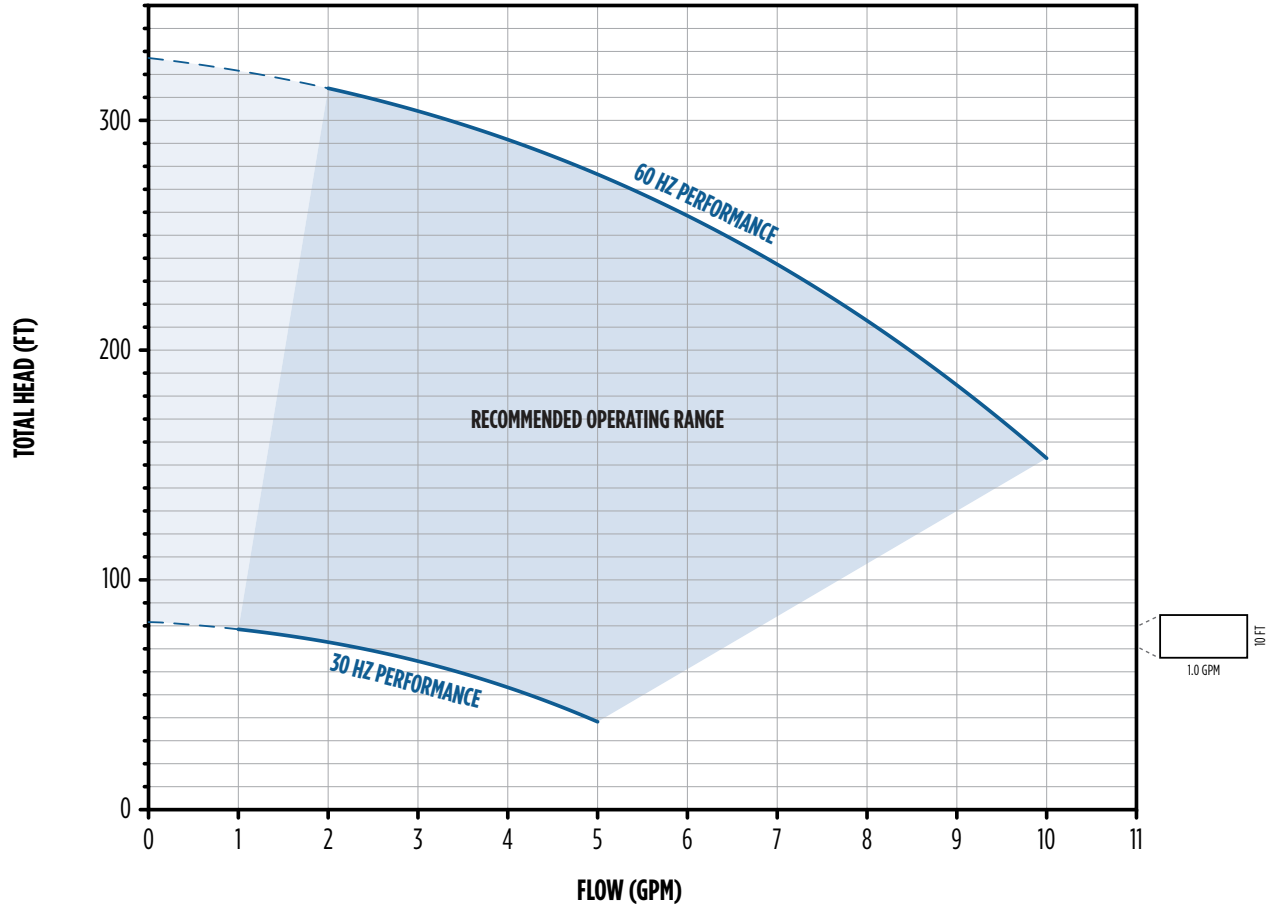


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																					
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650
1	0											8	8	7	7	6	6	5	5	5	4	3	
	10									8	8	7	7	7	6	6	5	5	4	4	3	2	
	20									8	8	7	7	6	6	5	5	4	4	3	2		
	30							8	8	7	7	7	6	6	6	5	4	4	3	2			
	40						8	8	7	7	7	7	6	6	5	5	4	3	3				
	50					8	8	7	7	7	7	6	6	5	5	4	4	3	2				
	60				8	8	7	7	7	7	6	6	5	5	4	4	3	2					
	70			8	8	7	7	7	7	7	6	5	5	4	4	3							
80		8	8	7	7	7	7	7	6	6	5	5	4	3	2								
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.

7-3WQP-0.5HP-3RC

SD20 | 7 GPM, 0.5 HP PUMP END | 0.5 HP MOTOR

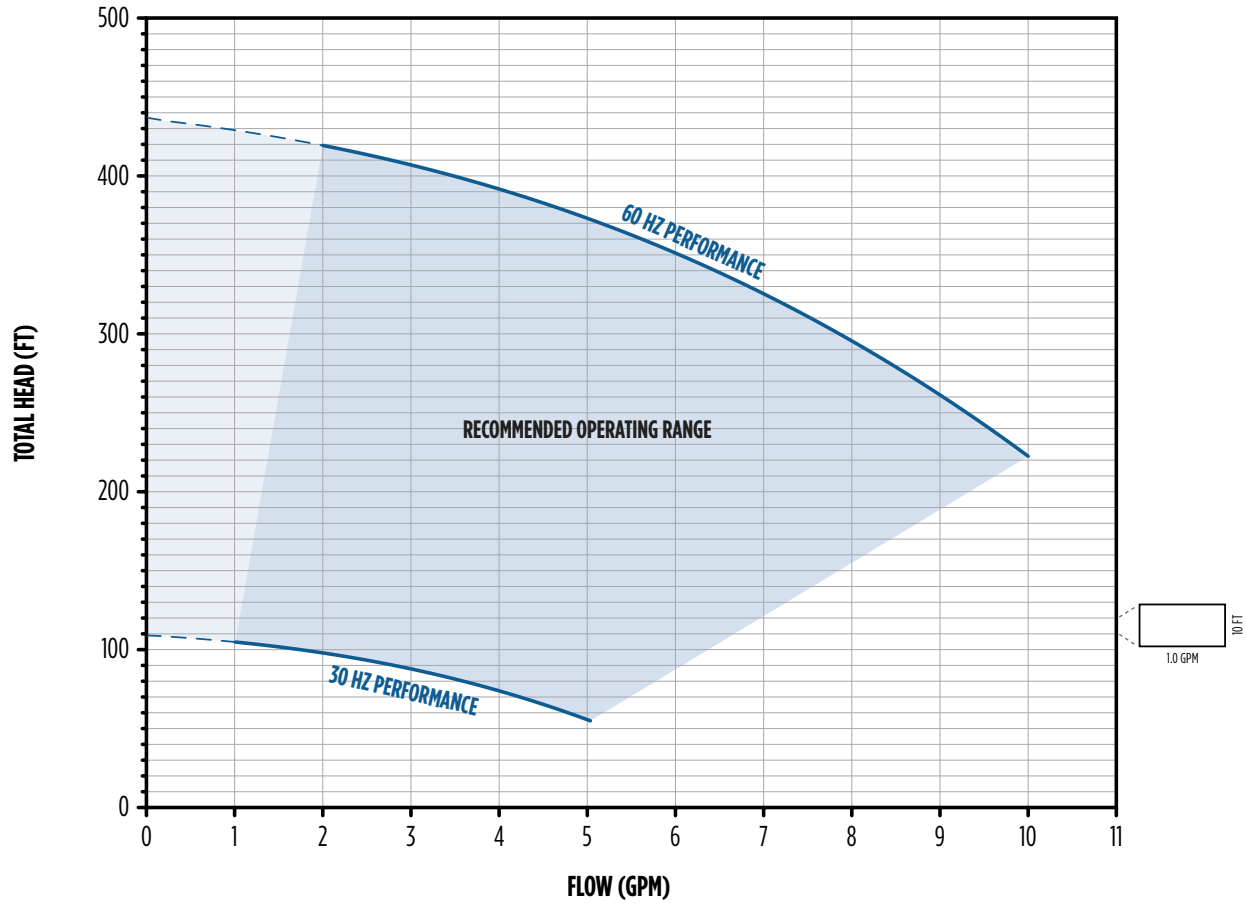


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	
.5	0							11	10	10	9	8	7	5			
	10						11	10	10	9	8	8	6	3			
	20					11	10	10	9	8	7	7	4				
	30				11	10	9	9	8	7	6	5	3				
	40			11	10	9	9	8	7	6	5	4					
	50		11	10	9	9	8	7	6	5	4	2					
	60	10	10	9	8	8	7	6	5	4							
	70	10	9	8	8	7	6	5	3								
	80	9	8	7	7	6	5	3									
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.

7-3WQP-0.75HP-3RC

SD20 | 7 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

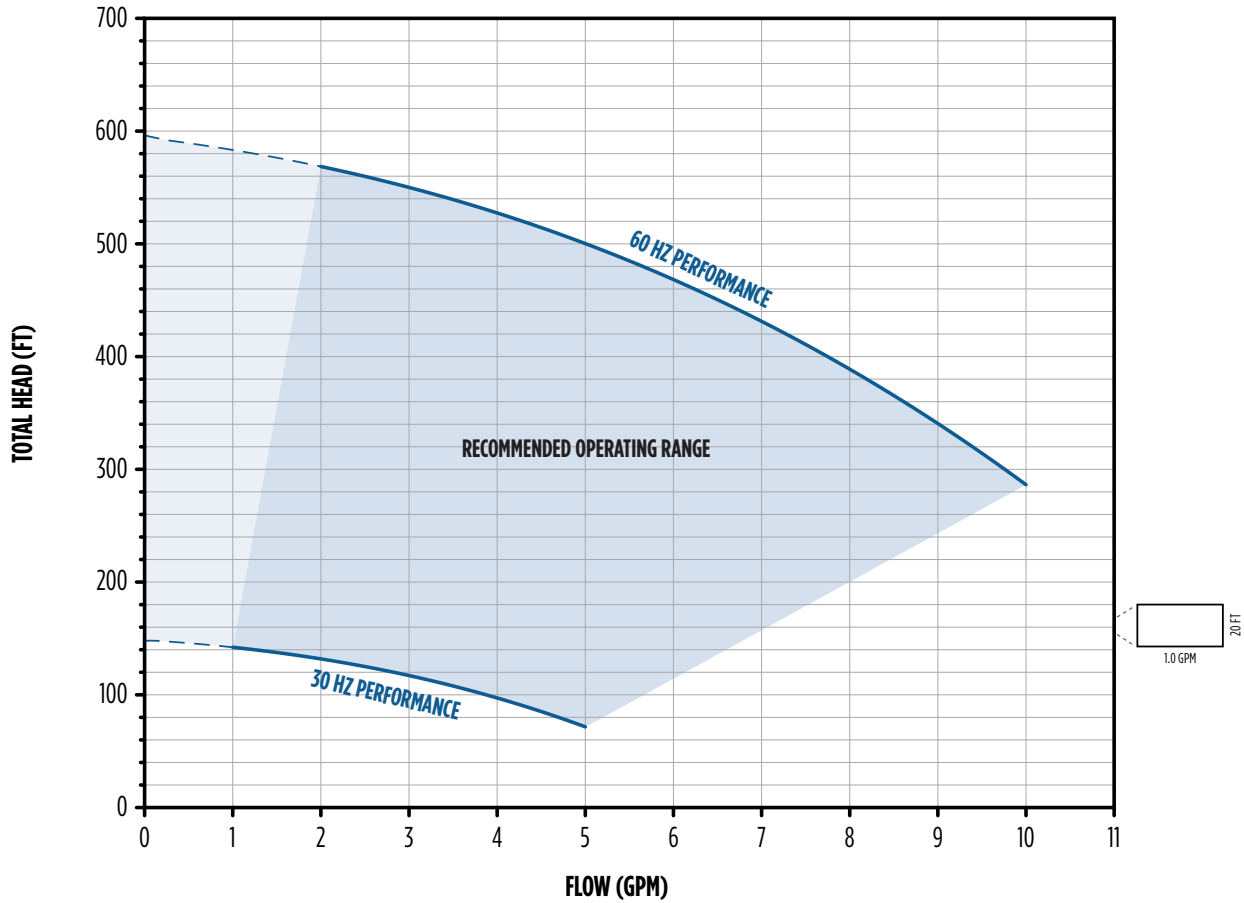


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400
.75	0									11	11	10	8	7	6	4	
	10								11	11	10	9	8	6	5	2	
	20							11	11	10	10	9	8	7	5	3	
	30						11	11	10	10	9	9	8	6	4		
	40					11	11	10	10	9	9	8	7	5	3		
	50				11	11	10	10	9	9	8	7	6	4			
	60			11	11	10	10	9	8	8	7	6	5	2			
	70	11	11	10	10	9	9	8	8	7	6	6	3				
80	11	10	10	9	9	8	8	7	6	5	4						
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.

7-3WQP-1.0HP-3RC

SD20 | 7 GPM, 1 HP PUMP END | 1 HP MOTOR

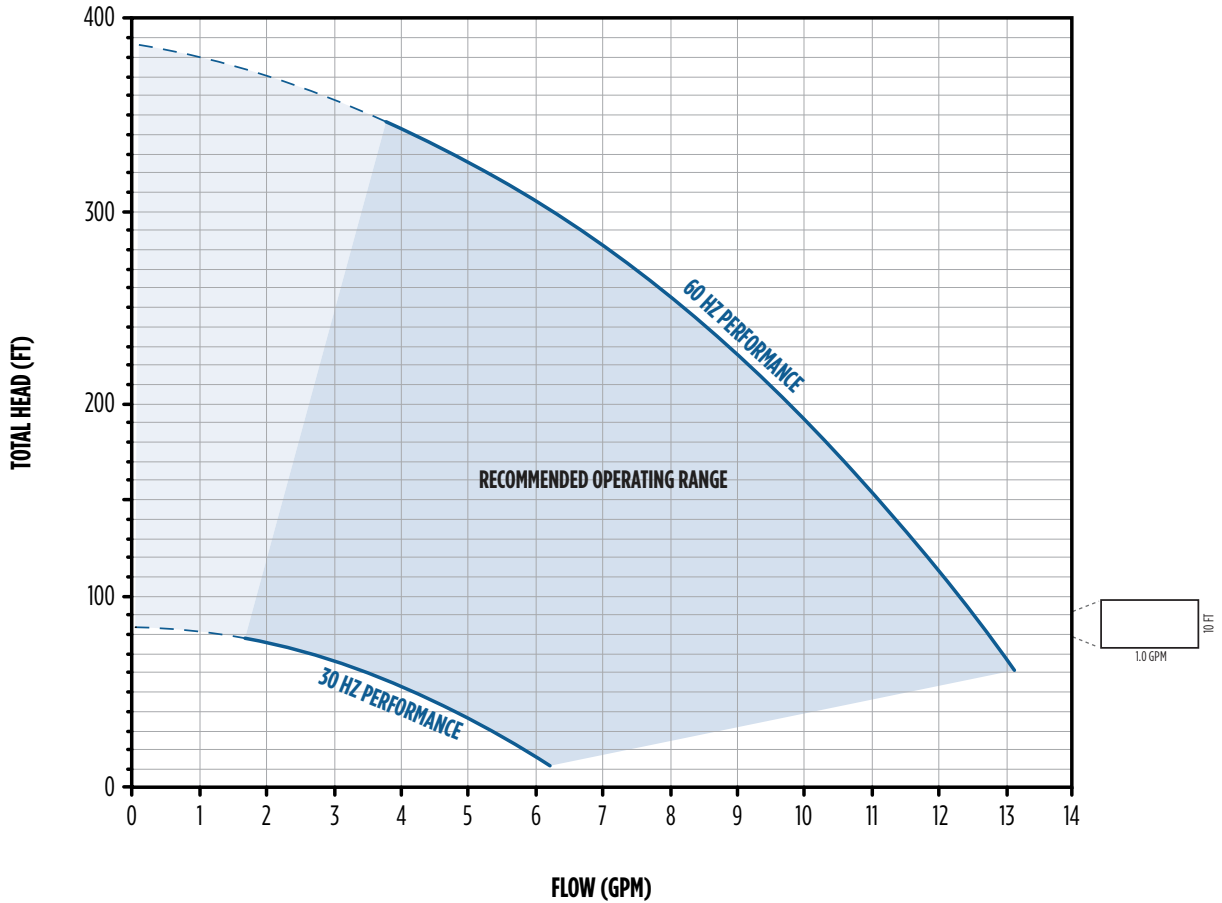


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550
1	0										11	11	10	9	9	8	7	6	5	3	
	10									11	11	10	10	9	8	7	6	5	4	2	
	20									11	11	10	9	8	8	7	6	4	3		
	30									11	11	10	10	9	8	7	6	5	3	2	
	40									11	10	10	9	8	7	6	5	4	2		
	50							11	10	10	10	9	9	8	7	6	5	3			
	60						11	10	10	10	10	9	9	8	7	6	5	4			
	70					11	10	10	10	10	9	9	9	8	7	6	4	2			
80			11	11	10	10	10	9	9	8	8	7	6	5	3						
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.

10-3WQP-0.5HP-3RC

SD20 | 10 GPM, 0.5 HP PUMP END | 0.5 HP MOTOR

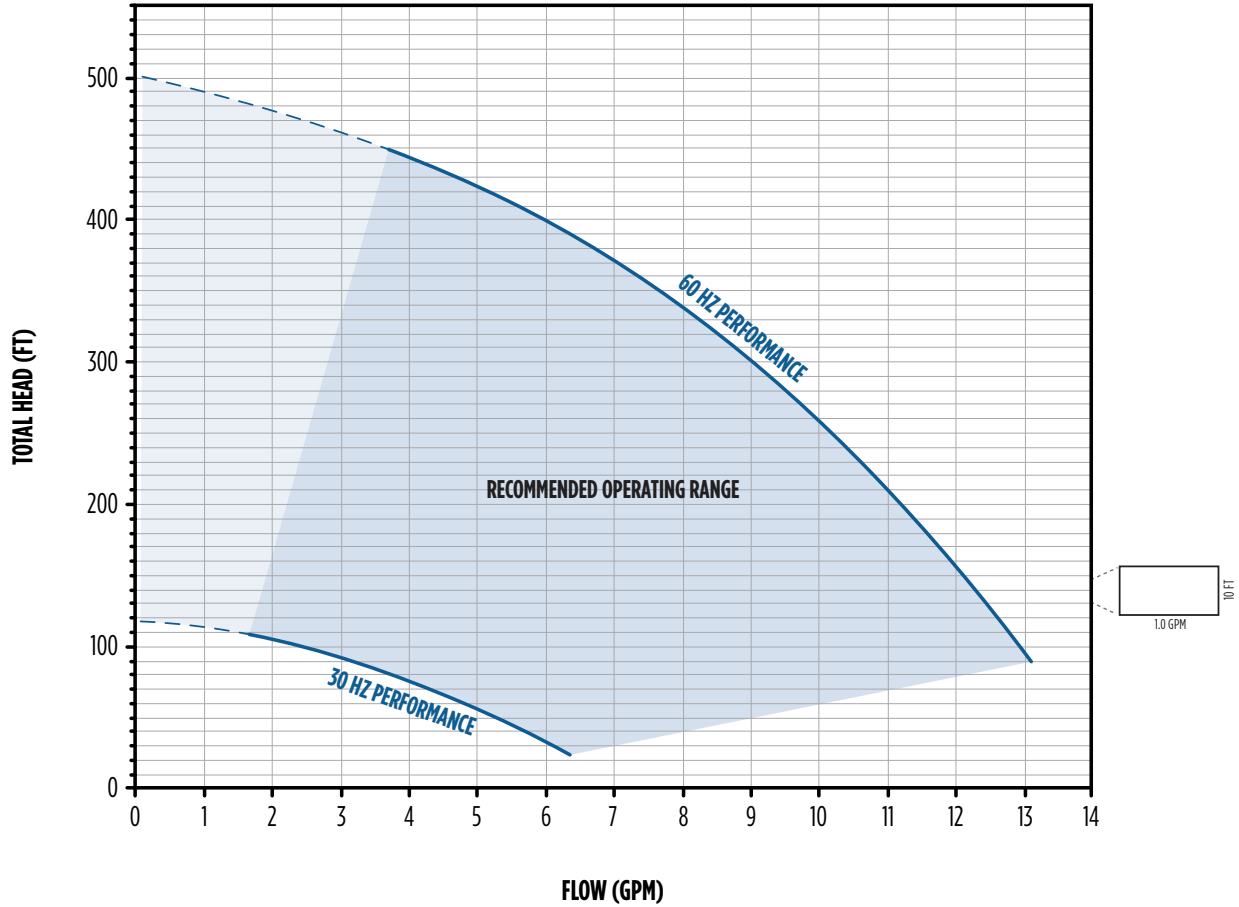


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
.5	0				12.7	12.3	11.9	11.4	10.9	10.4	9.8	8.3	6.3
	10			12.7	12.2	11.8	11.3	10.8	10.3	9.7	9.1	7.4	5.2
	20	13.0	12.6	12.2	11.7	11.2	10.7	10.2	9.6	9.0	8.4	6.5	3.9
	30	12.5	12.1	11.6	11.2	10.7	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									
	140	4.1	2.6										
150	2.4												
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.

10-3WQP-0.75HP-3RC

SD20 | 10 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

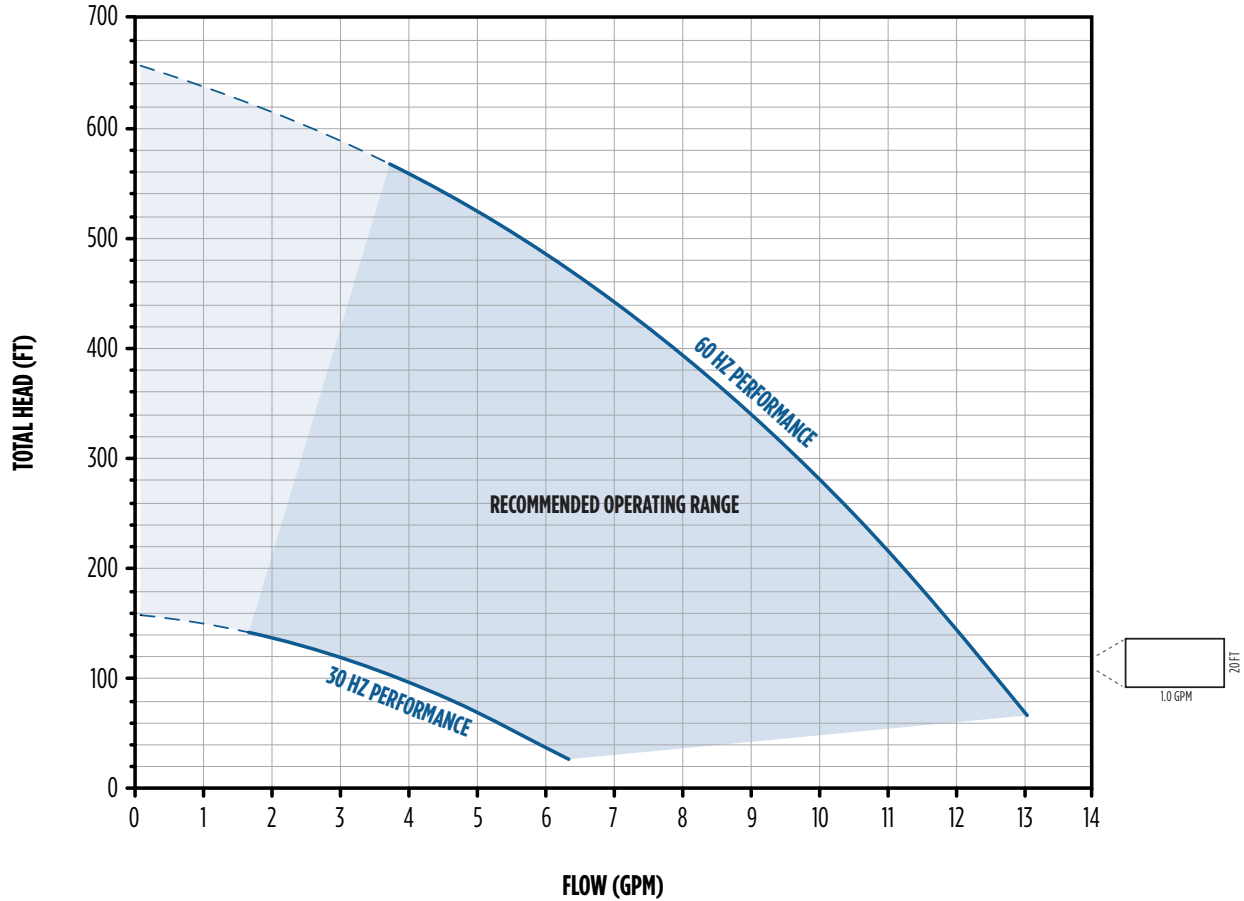


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450
.75	0					13.0	12.6	12.3	12.0	11.6	11.2	10.2	9.1	7.7	6.0	3.7
	10				12.9	12.6	12.3	11.9	11.6	11.2	10.8	9.7	8.5	7.0	5.1	2.3
	20			12.9	12.5	12.2	11.8	11.4	11.1	10.7	10.3	9.2	7.8	6.1	3.9	
	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		
	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.

10-3WQP-1.0HP-3RC

SD20 | 10 GPM, 1 HP PUMP END | 1 HP MOTOR

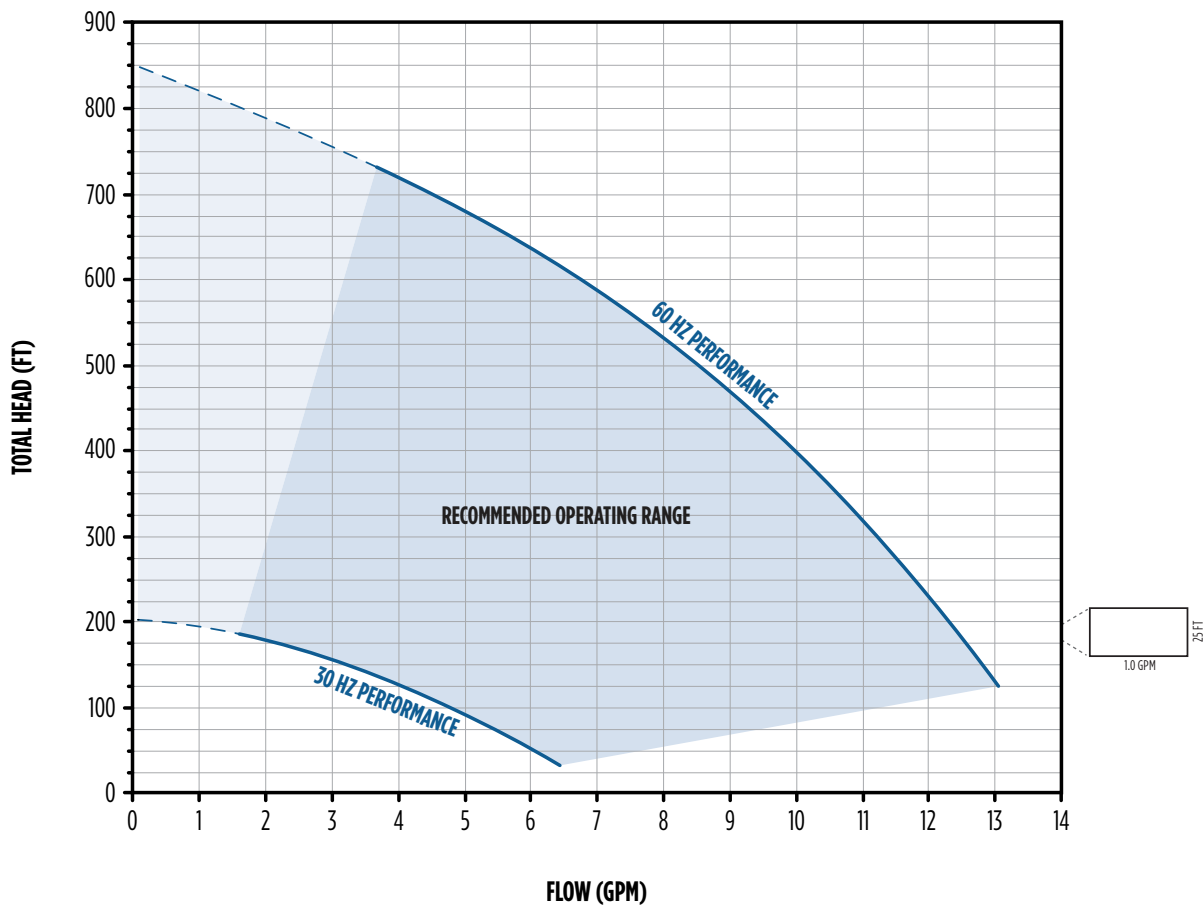


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
1	0				12.9	12.7	12.4	12.1	11.9	11.6	11.3	10.5	9.7	8.9	7.9	6.9	5.7	4.4
	10			12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.2	9.3	8.4	7.4	6.3	5.1	3.6
	20		12.9	12.6	12.3	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	
	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				
	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					
	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						
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.

10-3WQP-1.5HP-3RC

SD20 | 10 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

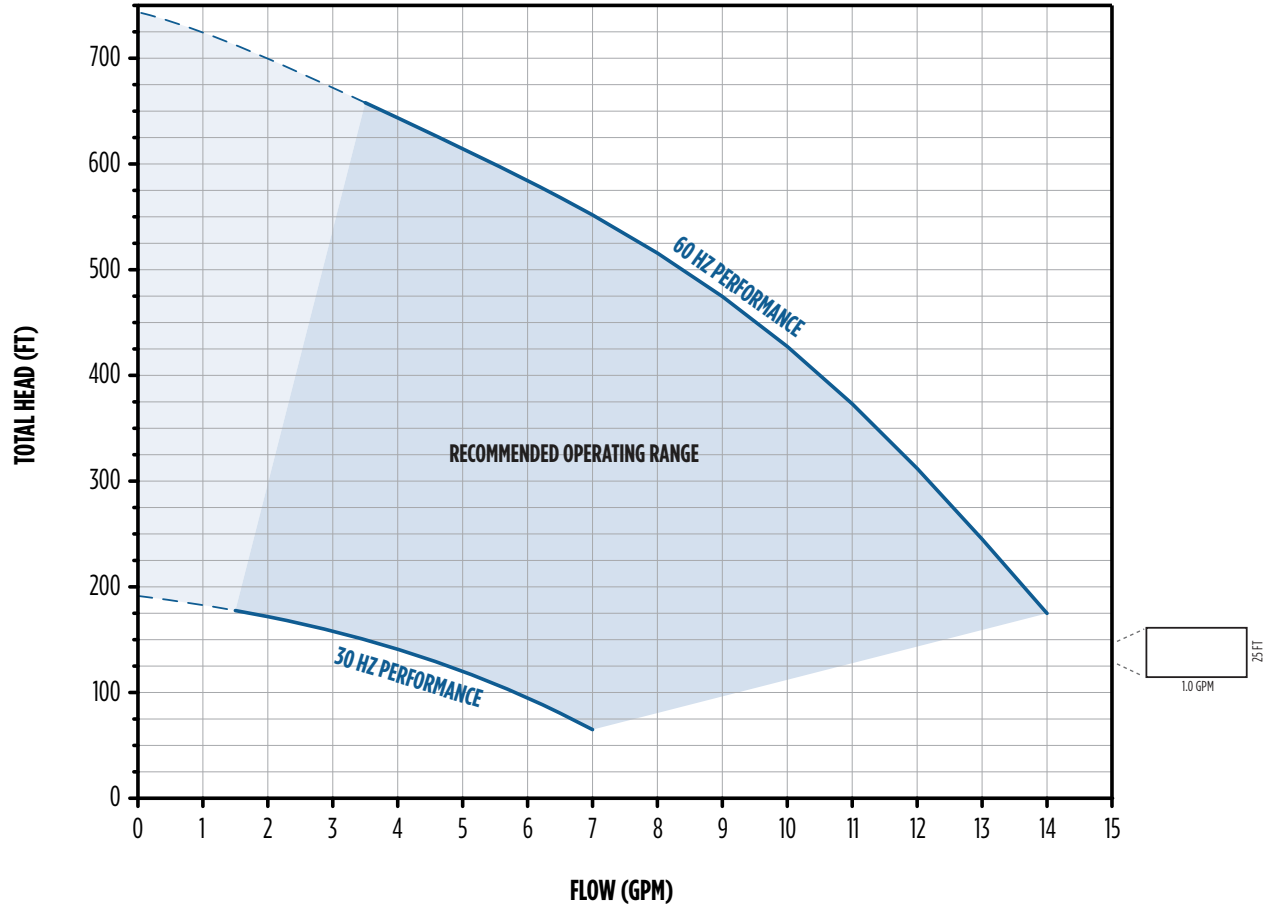


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
1.5	0							13.0	12.8	12.6	12.4	11.8	11.3	10.7	10.0	9.3	8.6	7.7	6.8	5.8	4.6
	10						12.9	12.7	12.5	12.3	12.1	11.6	11.0	10.4	9.7	9.0	8.2	7.3	6.4	5.3	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	
	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		
	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			
	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				
	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					
	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					
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.

10-3WQP-2.0HP-3RC

SD20 | 10 GPM, 2 HP PUMP END | 2 HP MOTOR

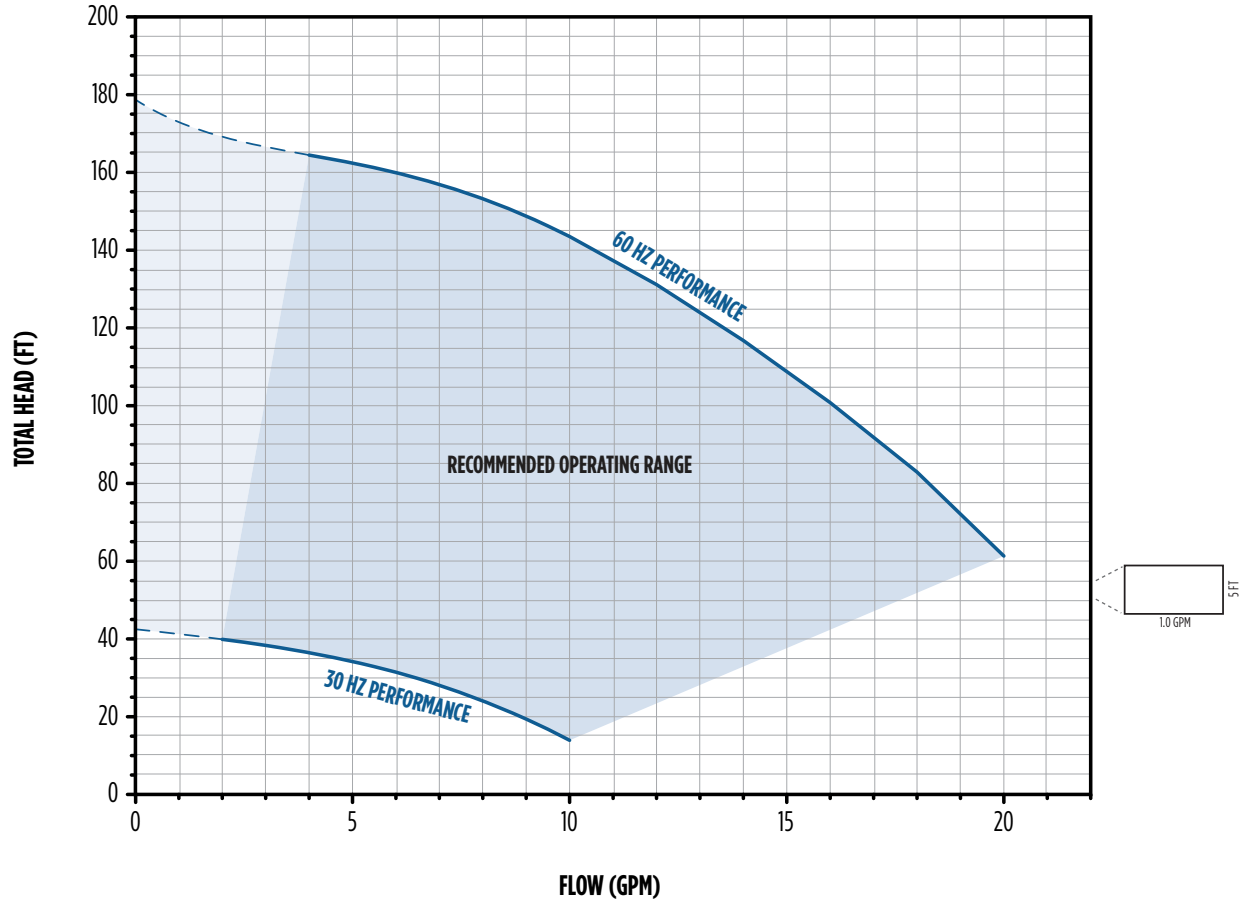


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
2	0									13.9	13.6	12.9	12.2	11.4	10.6	9.5	8.3	7.0	5.5	3.8	2.0
	10								13.9	13.5	13.3	12.6	11.9	11.1	10.1	9.0	7.7	6.3	4.8	3.0	
	20							13.8	13.5	13.2	12.9	12.6	11.9	11.1	10.2	9.1	7.8	6.4	4.9	3.1	1.2
	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		
	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	12.7	12.4	12.2	11.9	11.6	10.8	9.8	8.6	7.3	5.9	4.2	2.4			
	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				
	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					
	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						
	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							
	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.

15-3WQP-0.5HP-3RC

SD20 | 15 GPM, 0.5 HP PUMP END | 0.5 HP MOTOR

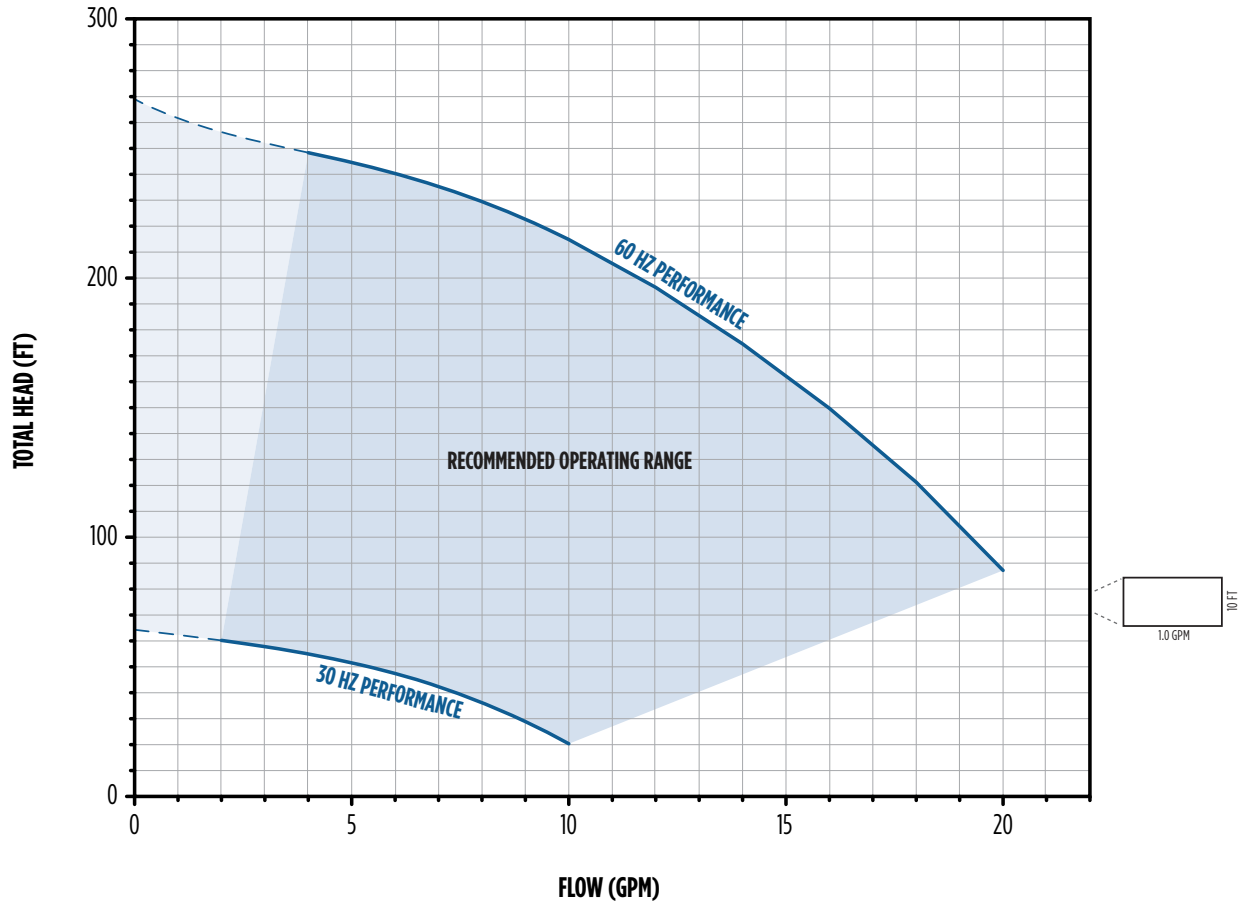


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)								
		20	40	60	80	100	120	140	160	180
.5	0				18.8	15.6	13.7	11.1	5.5	
	10		20.2	18.3	15.2	13.4	10.5	4.4		
	20	20.3	17.7	14.9	13.1	9.8	3.4			
	30	17.2	14.6	12.8	9.0	2.3				
	40	14.3	12.4	8.0	1.3					
	50	11.9	7.1							
	60	6.0								
Shut-off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

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

15-3WQP-0.75HP-3RC

SD20 | 15 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

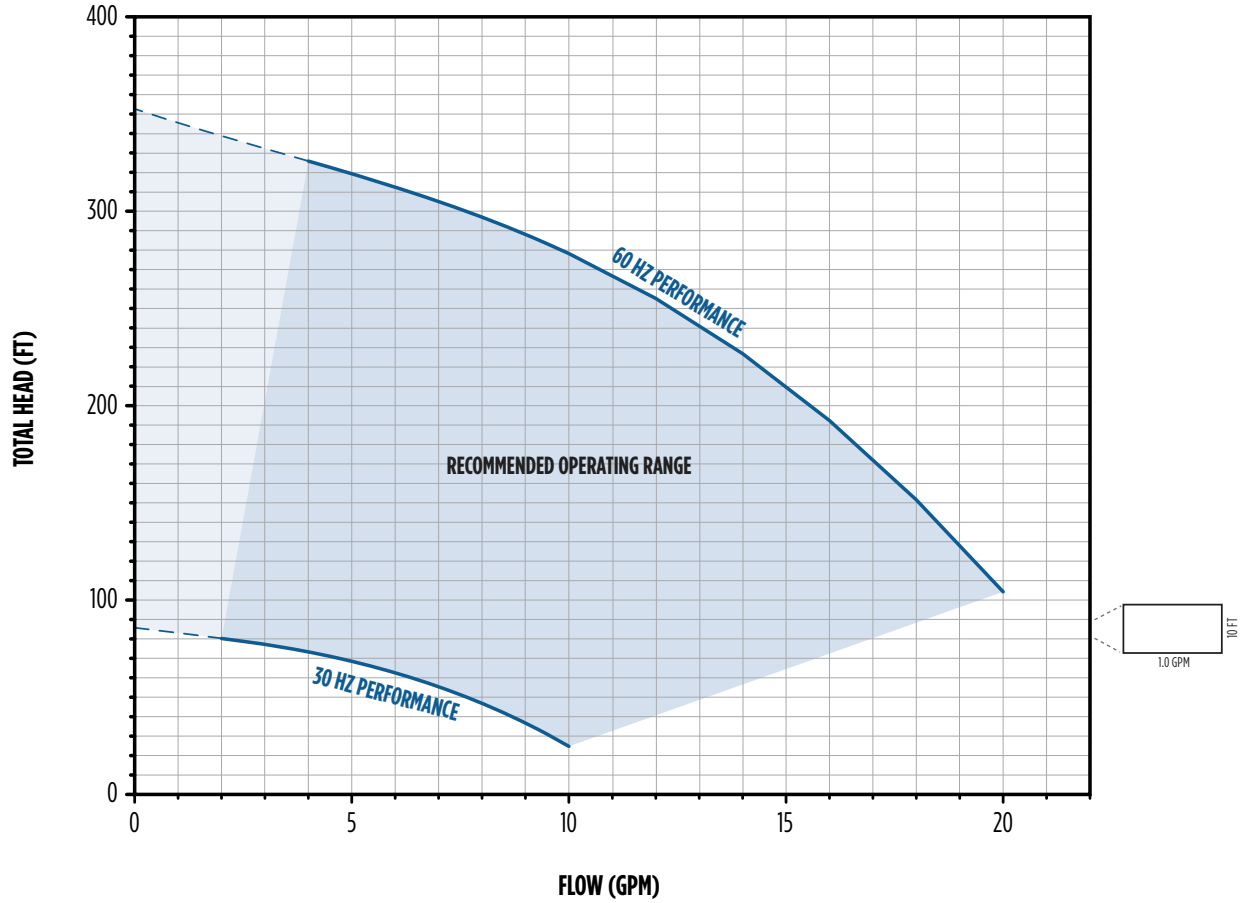


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
.75	0					20.0	18.3	16.4	14.9	13.6	12.0	3.6
	10				19.8	18.0	16.1	14.7	13.4	11.7	9.0	
	20			19.6	17.7	15.9	14.5	13.2	11.4	8.5	4.4	
	30	20.1	19.3	17.4	15.7	14.3	13.0	11.0	7.9	3.8		
	40	19.1	17.1	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								
	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.

15-3WQP-1.0HP-3RC

SD20 | 15 GPM, 1 HP PUMP END | 1 HP MOTOR

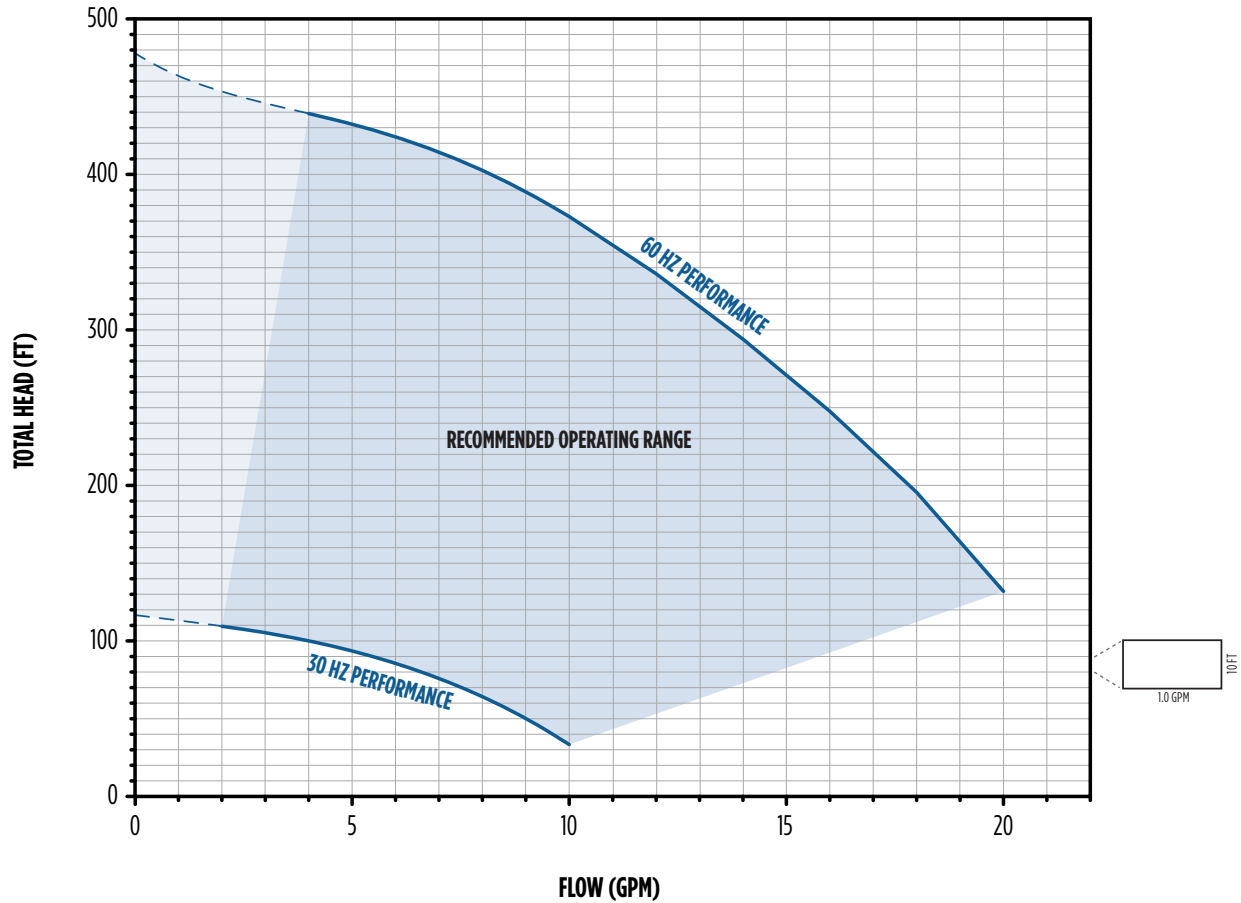


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1	0						19.6	18.7	17.6	16.5	15.5	12.5	7.6
	10					19.5	18.5	17.4	16.4	15.3	14.2	10.6	4.4
	20			20.0	19.3	18.4	17.3	16.2	15.2	14.1	12.8	8.1	
	30		19.9	19.2	18.2	17.1	16.0	15.0	13.9	12.6	10.9	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						
	100	12.4	10.8	8.7	6.1	3.2							
	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.

15-3WQP-1.5HP-3RC

SD20 | 15 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

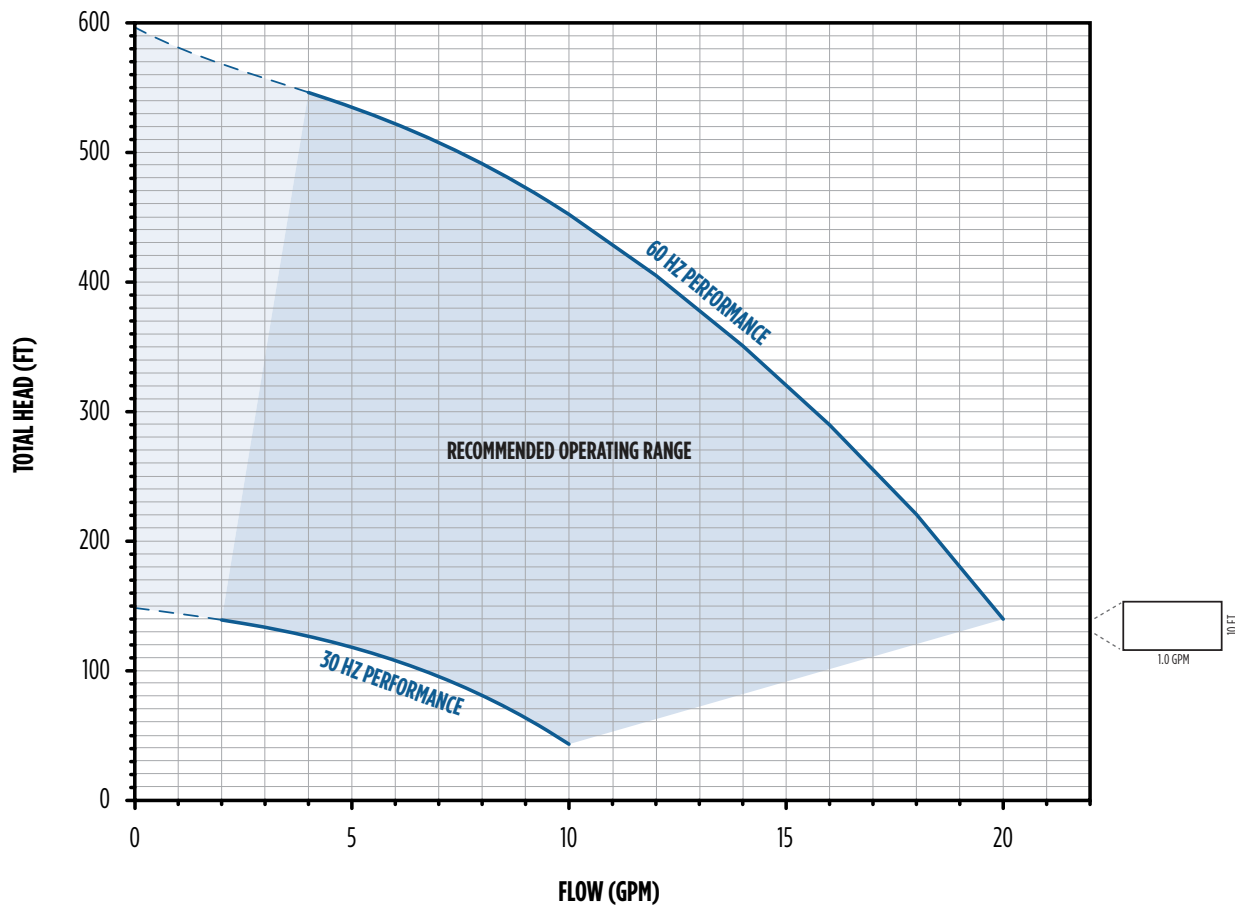


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	
1.5	0							20.1	19.9	19.1	18.0	15.5	13.7	11.7	8.1	2.7	
	10						20.1	19.8	18.9	17.8	16.8	14.6	12.9	10.3	5.8		
	20					20.1	19.7	18.8	17.7	16.6	15.7	13.8	11.9	8.5	3.1		
	30				20.1	19.6	18.6	17.5	16.5	15.5	14.7	13.1	10.6	6.2			
	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				
	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											
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.

15-3WQP-2.0HP-3RC

SD20 | 15 GPM, 2 HP PUMP END | 2 HP MOTOR

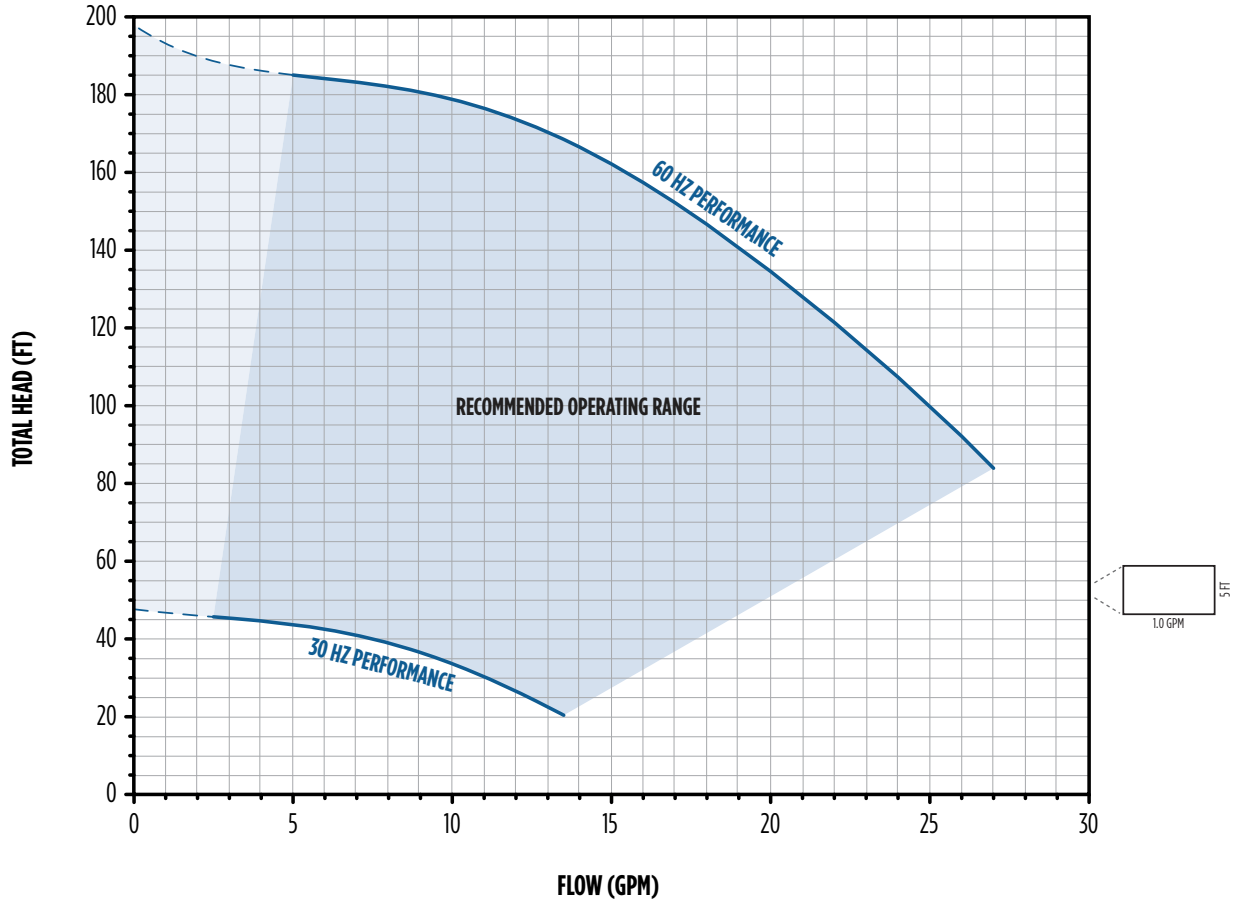


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	
2	0							20.0	19.8	19.4	18.8	17.1	15.5	14.0	12.4	10.3	7.4	3.7	
	10						20.0	19.8	19.3	18.7	18.1	16.3	14.8	13.3	11.5	9.1	5.8	1.7	
	20					20.0	19.7	19.2	18.6	18.0	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			
	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				
	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					
	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.

20-3WQP-0.75HP-3RC

SD20 | 20 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

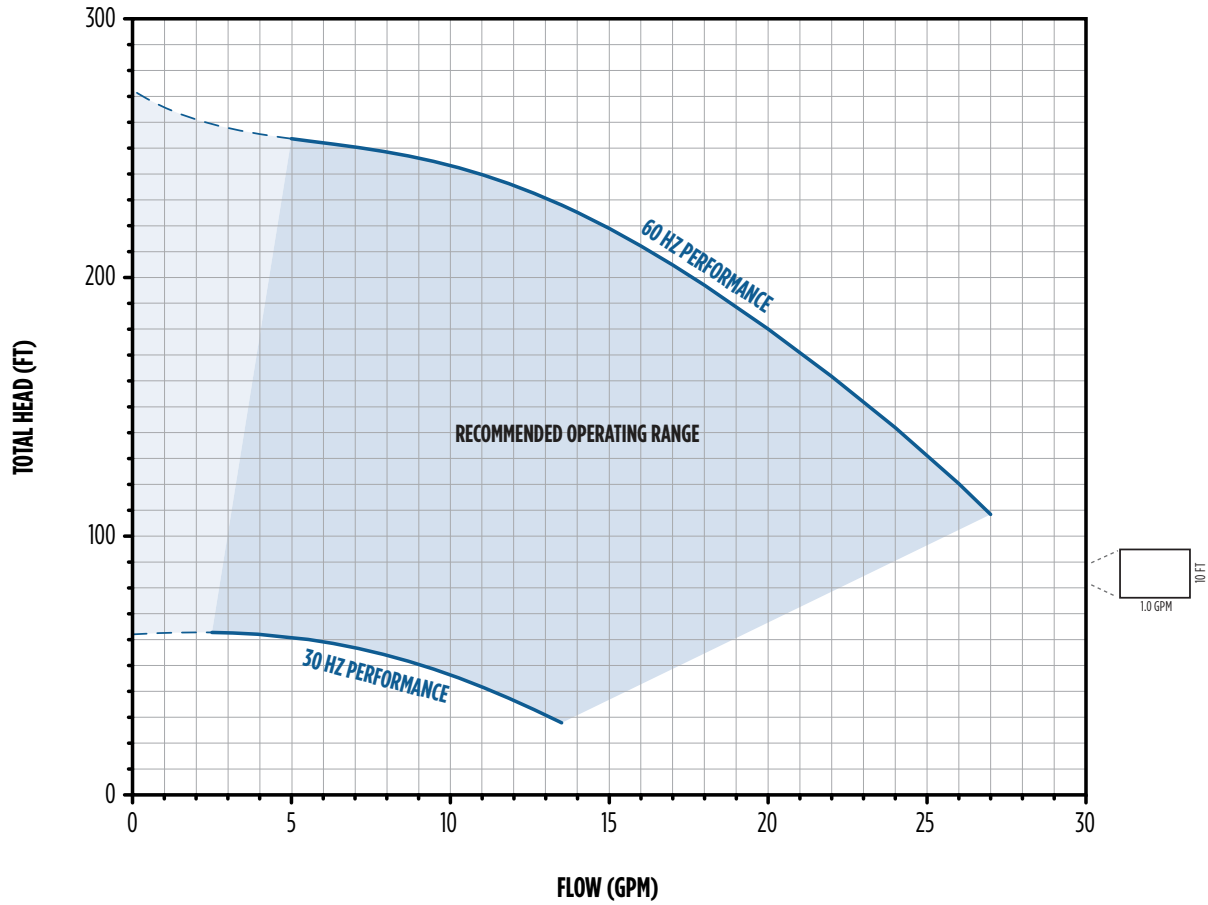


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)								
		20	40	60	80	100	120	140	160	180
.75	0					25.1	22.3	18.4	14.0	8.3
	10				24.7	21.7	17.8	13.3	7.1	
	20		26.7	24.3	21.2	17.1	12.5	5.8		
	30	26.3	23.9	20.6	16.4	11.7	4.3			
	40	23.5	20.0	15.8	10.8	2.6				
	50	19.4	15.1	9.8						
	60	14.3	8.8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

20-3WQP-1.0HP-3RC

SD20 | 20 GPM, 1 HP PUMP END | 1 HP MOTOR

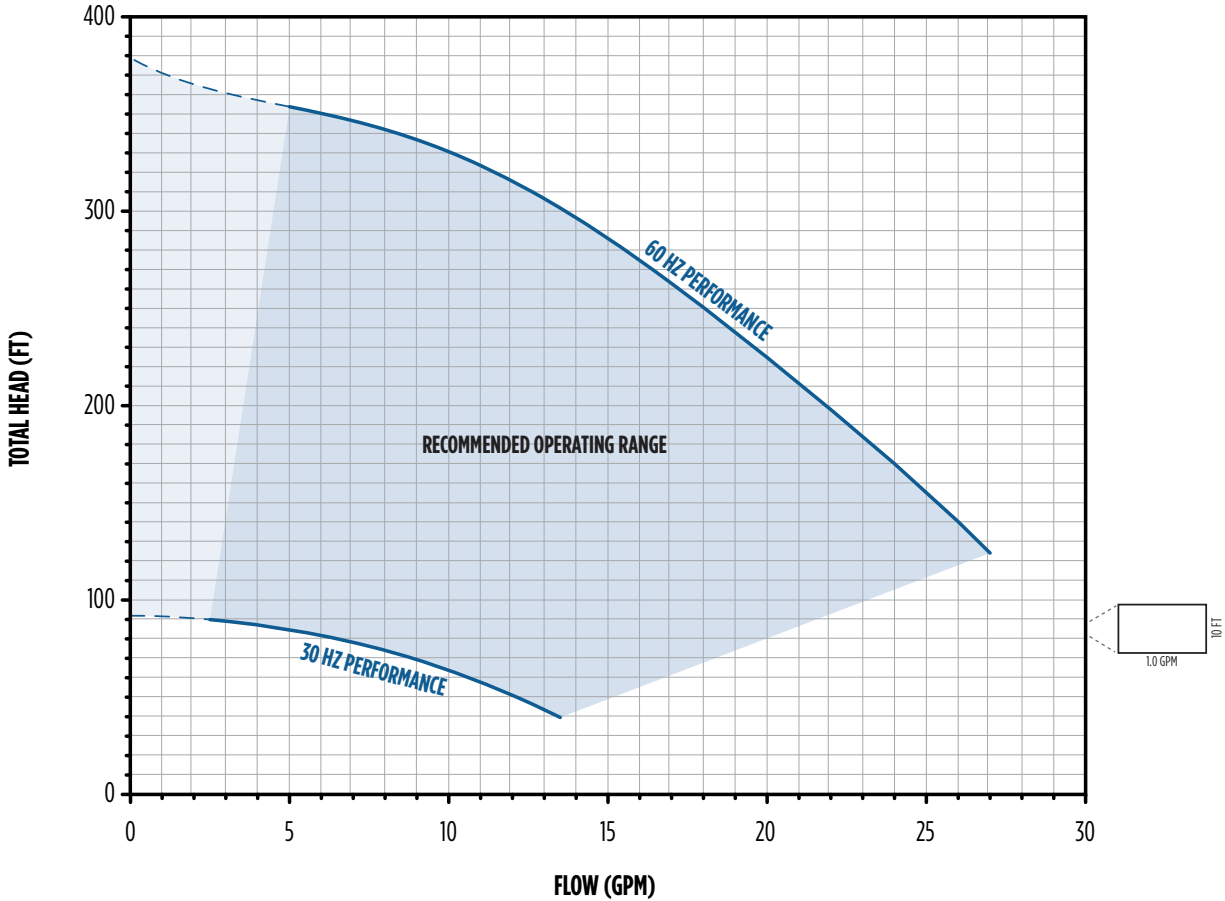


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
1	0						26.0	24.4	22.3	19.6	16.5	7.3
	10					25.7	24.1	21.9	19.1	16.0	12.7	
	20				25.5	23.8	21.5	18.7	15.5	12.2	8.2	
	30		26.9	25.2	23.5	21.1	18.2	15.0	11.6	7.4		
	40	26.6	25.0	23.2	20.7	17.7	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.

20-3WQP-1.5HP-3RC

SD20 | 20 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

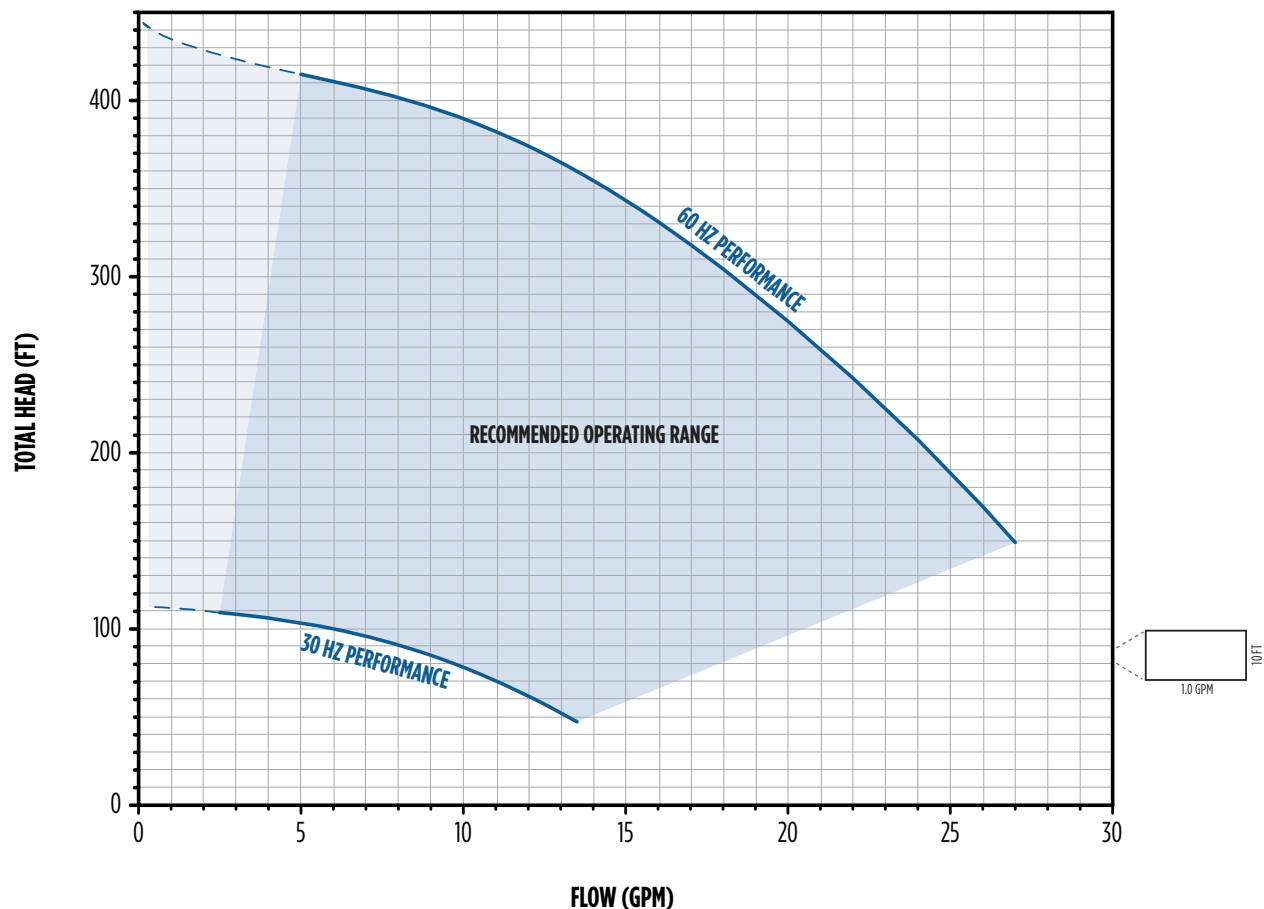


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)												
		20	40	60	80	100	120	140	160	180	200	250	300	350
1.5	0							25.8	24.7	23.6	22.1	17.0	11.9	6.8
	10						25.6	24.5	23.4	21.9	19.9	14.5	9.9	1.5
	20				26.9	25.4	24.4	23.2	21.6	19.6	17.4	12.3	7.4	
	30			26.6	25.2	24.2	23.0	21.3	19.3	17.0	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									
	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.

20-3WQP-2.0HP-3RC

SD20 | 20 GPM, 2 HP PUMP END | 2 HP MOTOR

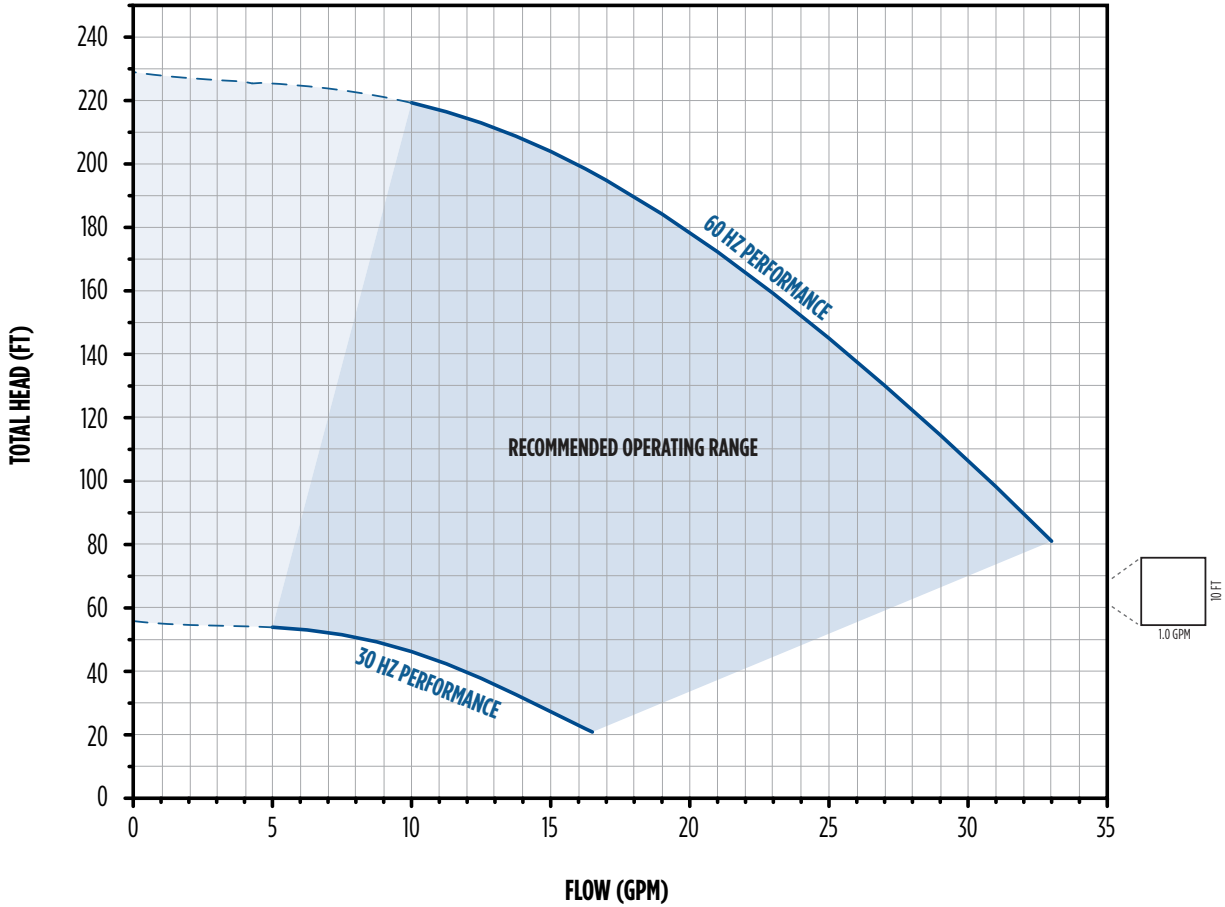


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
2	0								26.2	25.2	24.5	21.8	17.3	12.6	8.1
	10							26.0	25.1	24.4	23.5	19.9	15.0	10.7	4.8
	20						25.8	25.0	24.3	23.3	22.1	17.7	13.0	8.6	
	30				27.1	25.7	24.9	24.1	23.2	21.9	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		
	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								
	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.

25-3WQP-1.0HP-3RC

SD20 | 25 GPM, 1 HP PUMP END | 1 HP MOTOR

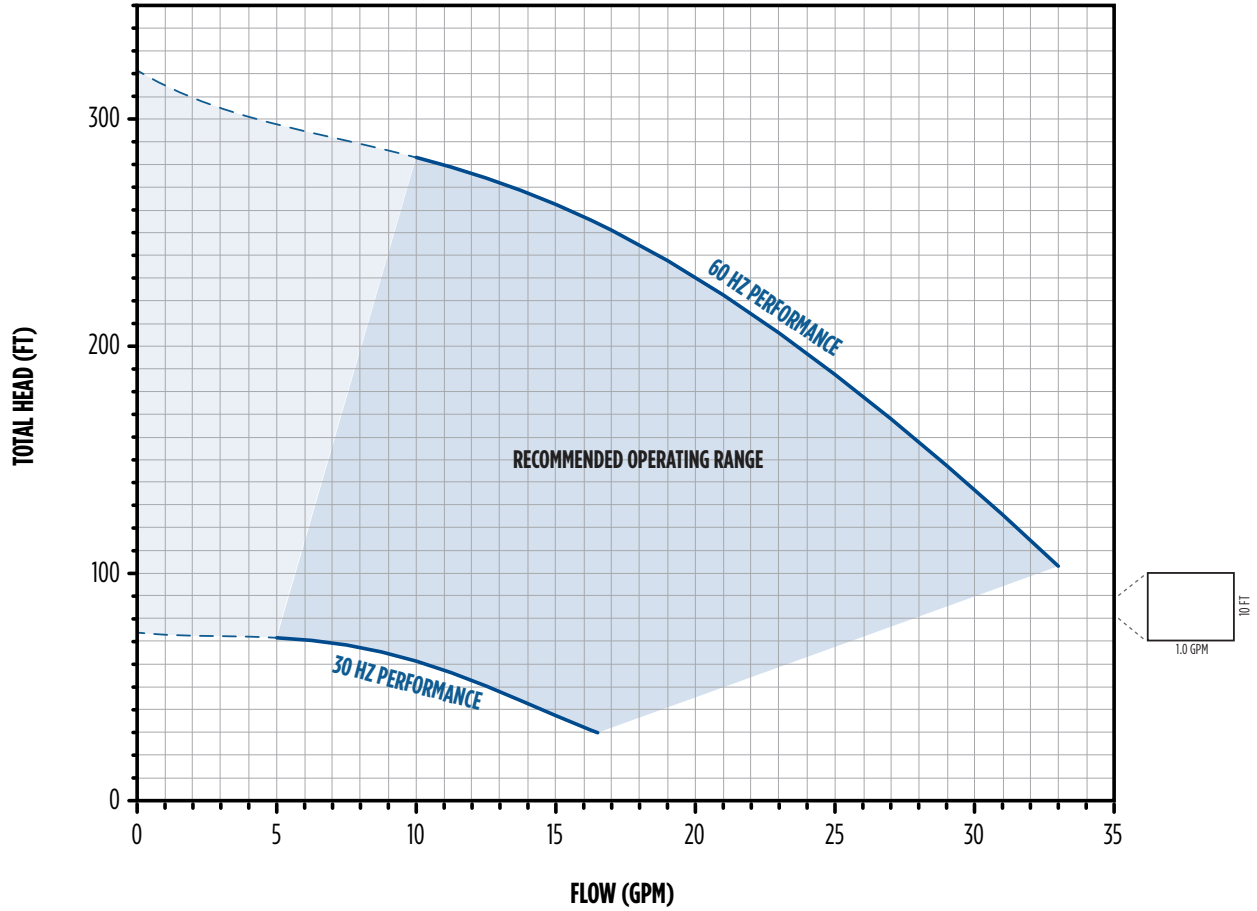


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	200
1	0					30.1	28.9	26.1	22.2	19.1	16.5
	10			32.6	29.9	28.6	25.5	21.6	18.7	15.9	6.4
	20		31.8	29.8	28.3	24.9	21.1	18.4	15.2	3.5	
	30	31.2	29.6	27.9	24.3	20.6	18.0	14.3			
	40	29.5	27.4	23.7	20.1	17.7	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.

25-3WQP-1.5HP-3RC

SD20 | 25 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

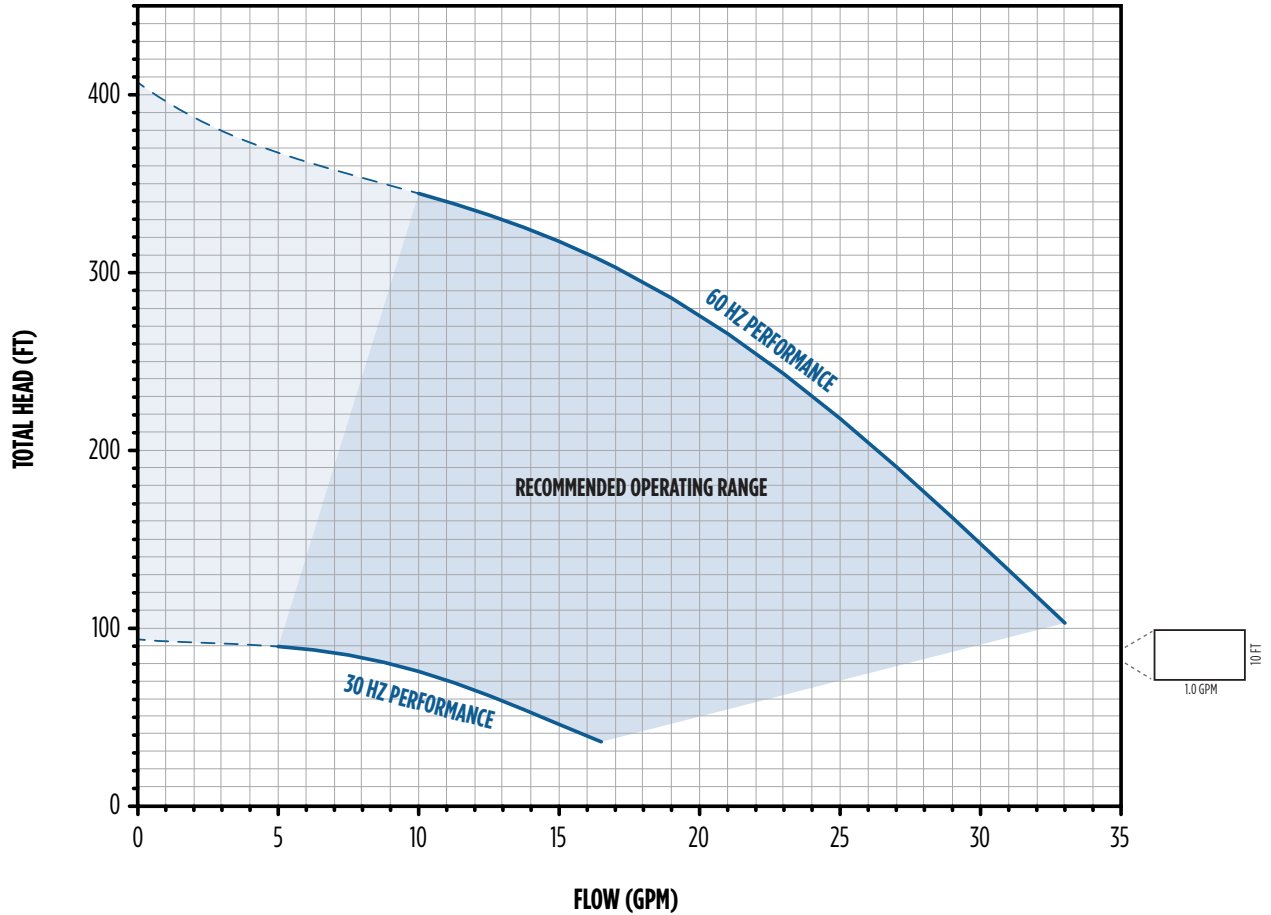


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1.5	0						32.2	29.9	27.4	25.3	23.6	17.5	4.6
	10					31.9	29.5	27.0	25.1	23.4	21.4	12.2	
	20			32.8	31.5	29.1	26.7	24.8	23.1	21.1	18.2	5.7	
	30		32.8	31.2	28.7	26.4	24.5	22.8	20.7	17.6	13.2		
	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			
	60	27.6	25.5	23.7	21.9	19.4	15.7	10.7	5.0				
	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										
120	5.4												
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.

25-3WQP-2.0HP-3RC

SD20 | 25 GPM, 2 HP PUMP END | 2 HP MOTOR

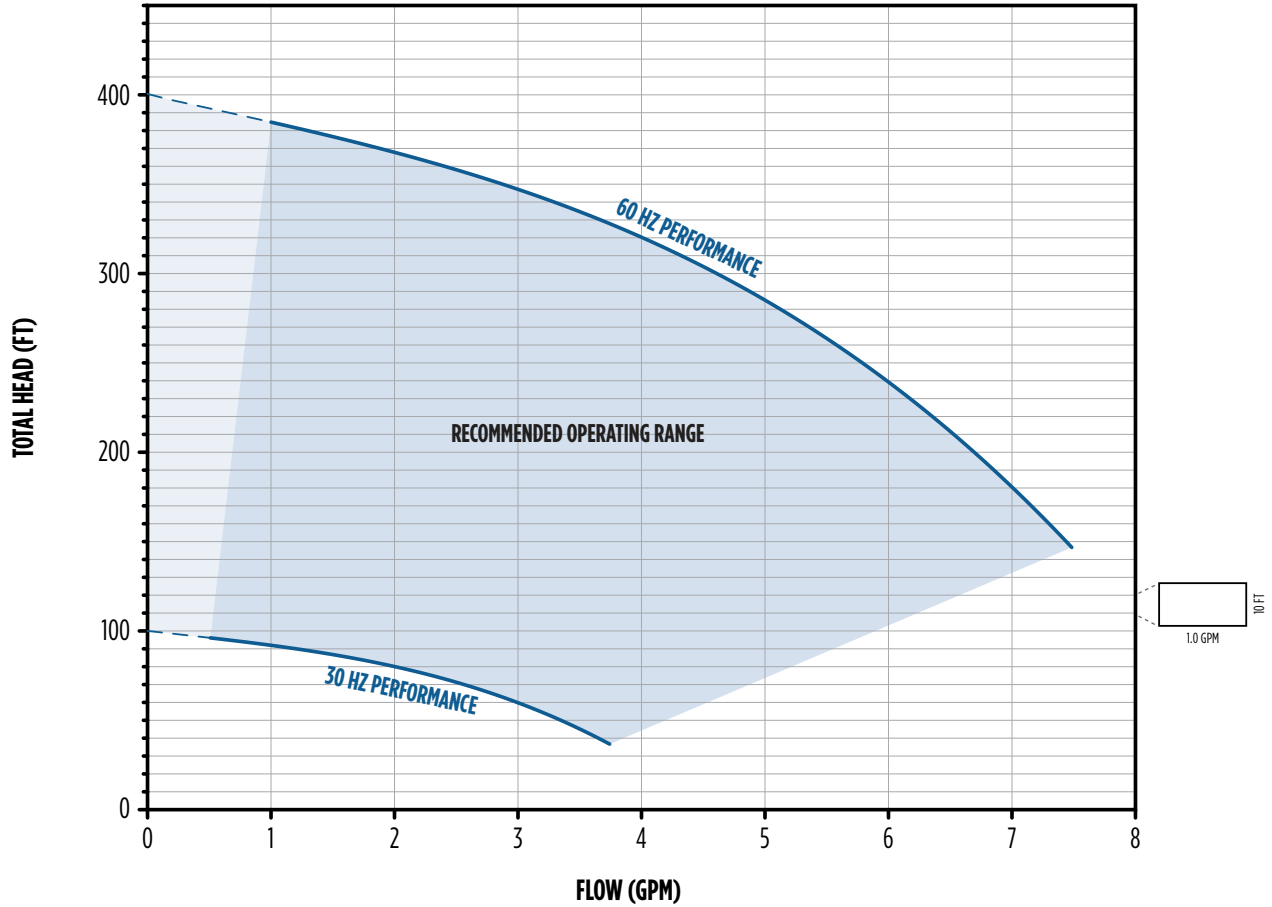


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)												
		20	40	60	80	100	120	140	160	180	200	250	300	350
2	0						32.3	30.8	29.1	27.4	26.0	22.7	17.5	8.7
	10				32.8	32.1	30.6	28.8	27.2	25.8	24.5	20.7	13.8	4.2
	20			32.8	31.9	30.3	28.6	27.0	25.6	24.3	23.0	18.0	9.4	
	30		32.8	31.7	30.0	28.3	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									
	140	10.0	6.0	2.5										
150	5.4	2.0												
Shut-off psi		167	159	150	142	133	124	116	107	98	90	68	46	25

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

5 GPM, 0.5 HP PUMP END | 0.5 HP MOTOR

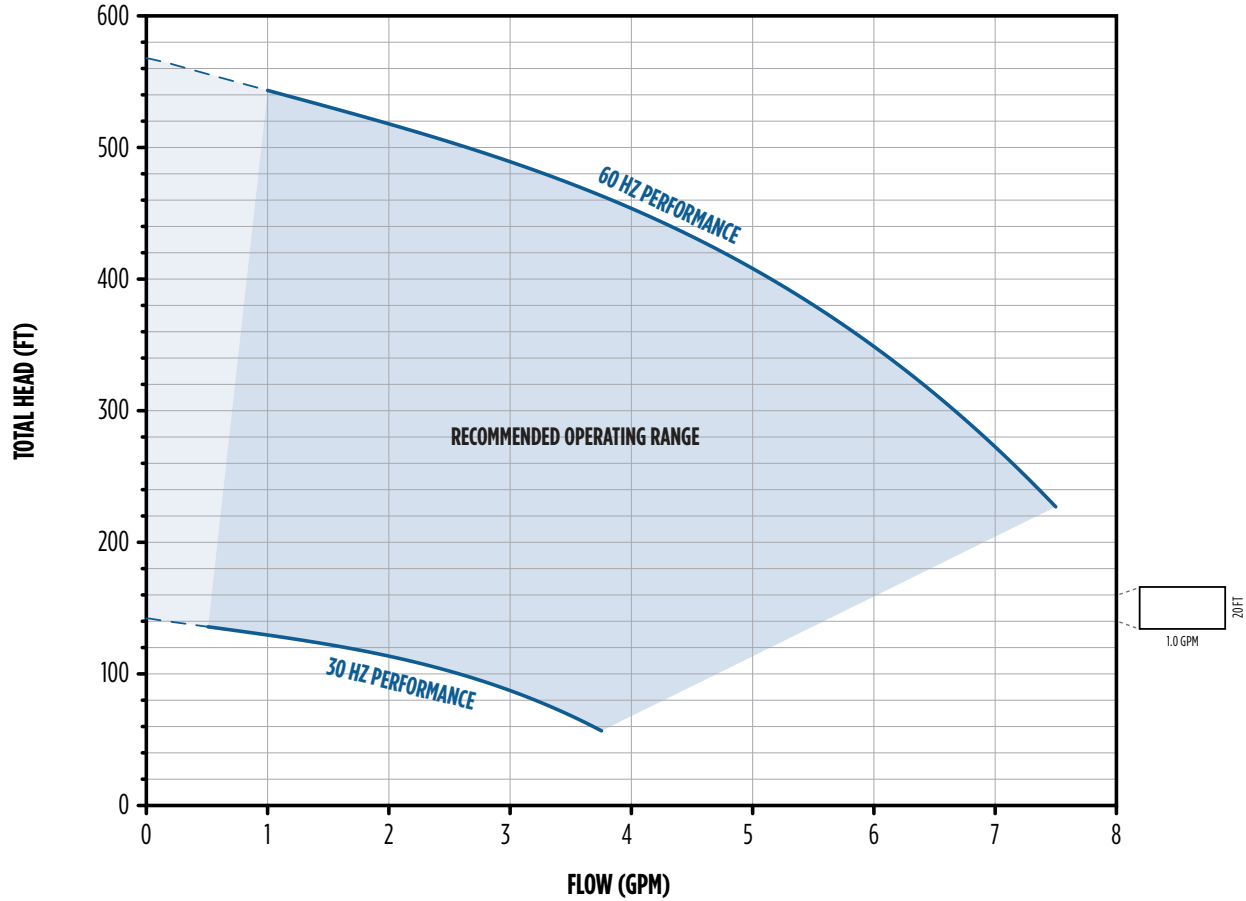


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000
1/2	0				8	8	8	7	7	7	6	5	4	3									390
	20		8	8	8	7	7	7	6	6	6	4	3										
	30	8	8	7	7	7	7	6	6	6	5	4											
	40	8	7	7	7	7	6	6	6	5	5	3											
	50	7	7	7	7	6	6	5	5	4	4	2											
	60	7	7	6	6	6	5	5	4	4	3												
	80	6	6	6	5	5	4	4	3	2													
Shut-off PSI		161	152	143	135	126	117	109	100	91	83	61	39	18									

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

5 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

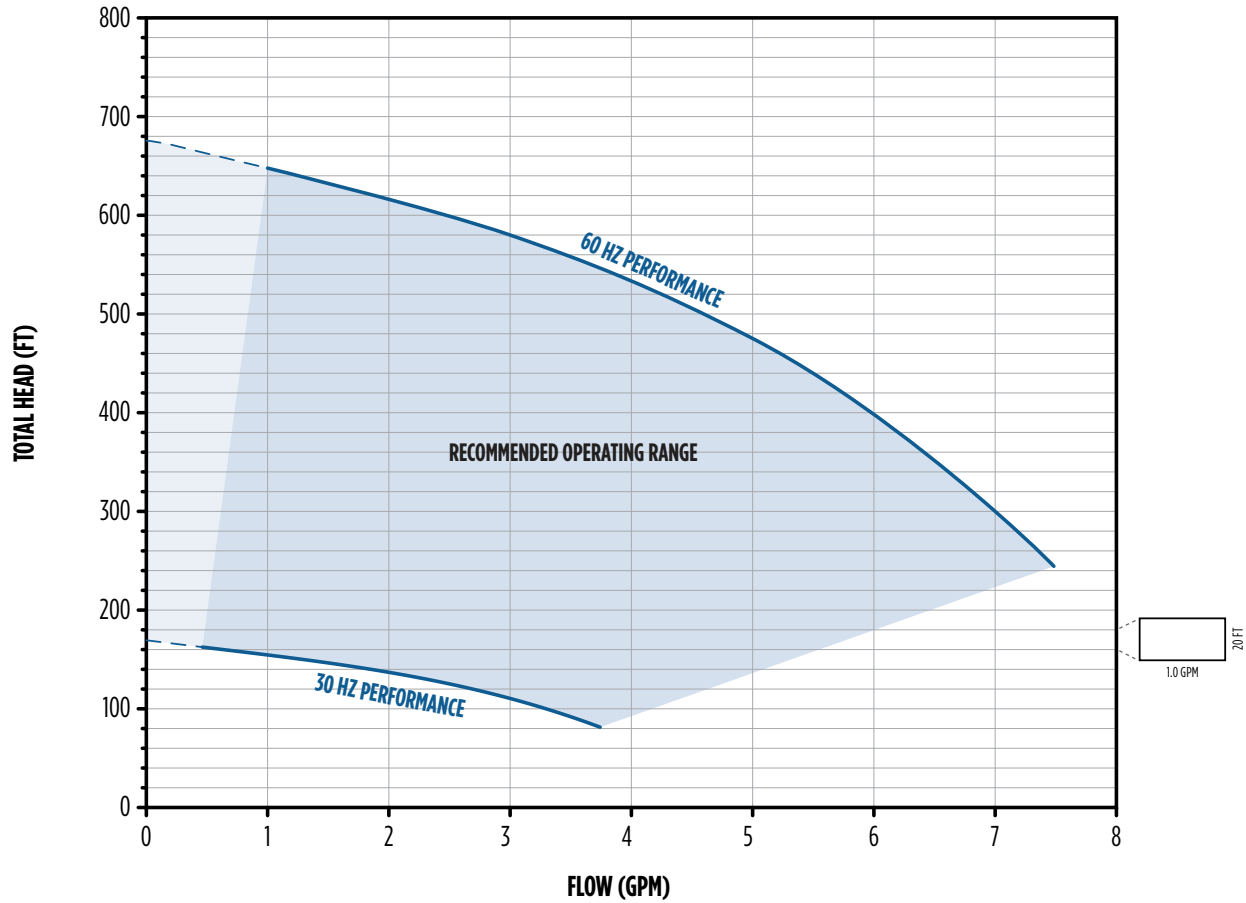


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)				
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000		
3/4	0						8	8	8	8	7	7	6	6	5	4	2						541		
	20				8	8	8	7	7	7	7	6	6	5	4	2									
	30			8	8	8	7	7	7	7	7	6	5	4	3										
	40		8	8	8	7	7	7	7	7	6	6	5	4	3										
	50	8	8	8	7	7	7	7	7	6	6	5	4	3	2										
	60	8	8	7	7	7	7	6	6	6	6	5	4	3											
80	7	7	7	7	6	6	6	6	5	5	4	3													
Shut-off PSI		226	217	209	200	191	183	174	165	157	148	126	105	83	61	39	18								

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

5 GPM, 1 HP PUMP END | 1 HP MOTOR

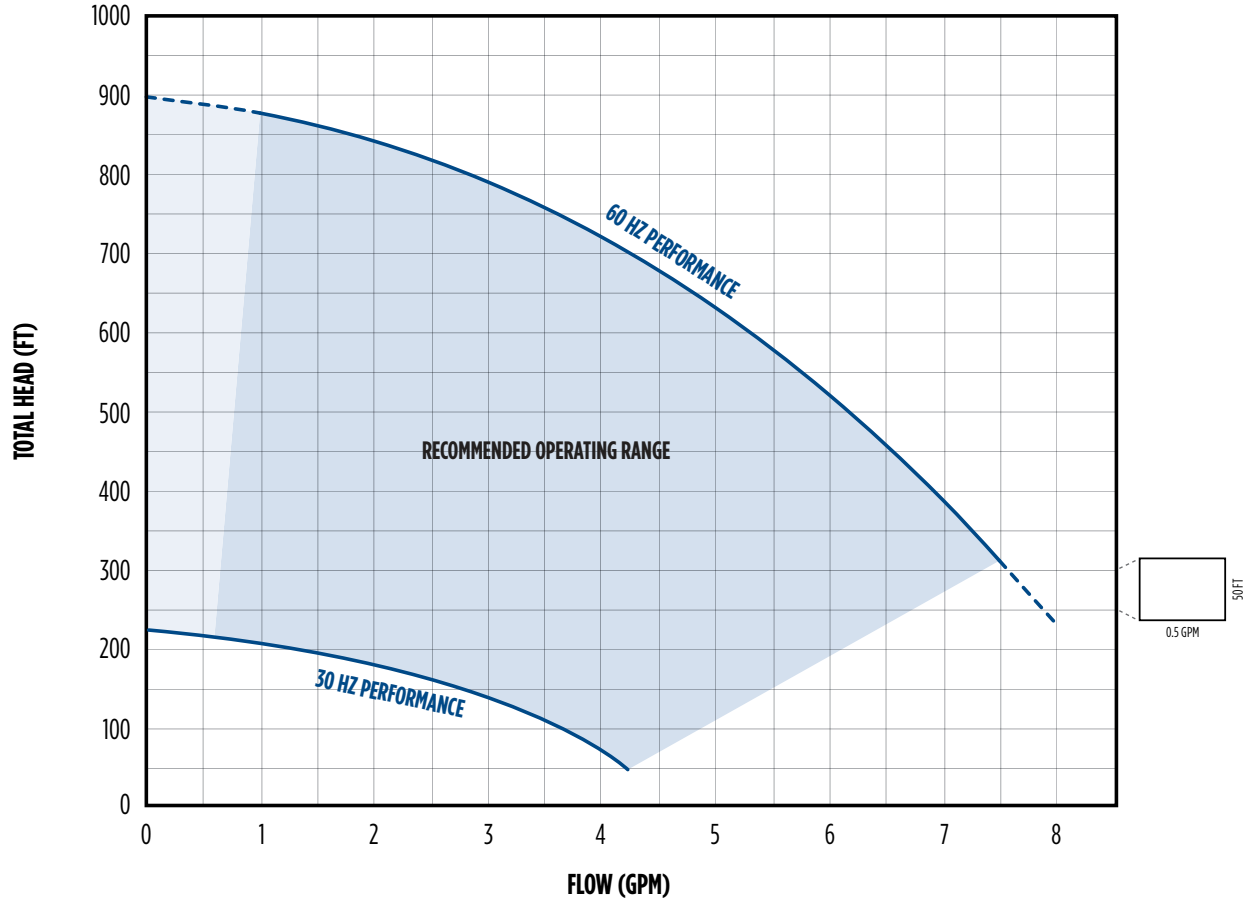


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
1	0							8	8	8	8	7	7	6	6	5	5	2					666	
	20					8	8	8	8	7	7	7	6	6	5	5	4							
	30				8	8	8	8	7	7	7	6	6	5	4	3								
	40			8	8	8	8	7	7	7	6	6	5	5	4	3								
	50		8	8	8	8	7	7	7	7	6	6	5	4	3	2								
	60	8	8	8	7	7	7	7	7	6	6	5	5	4	3									
80	8	7	7	7	7	7	7	6	6	6	5	5	4	3										
Shut-off PSI		280	271	263	254	245	237	228	219	211	202	180	159	137	115	94	72	29						

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

5 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

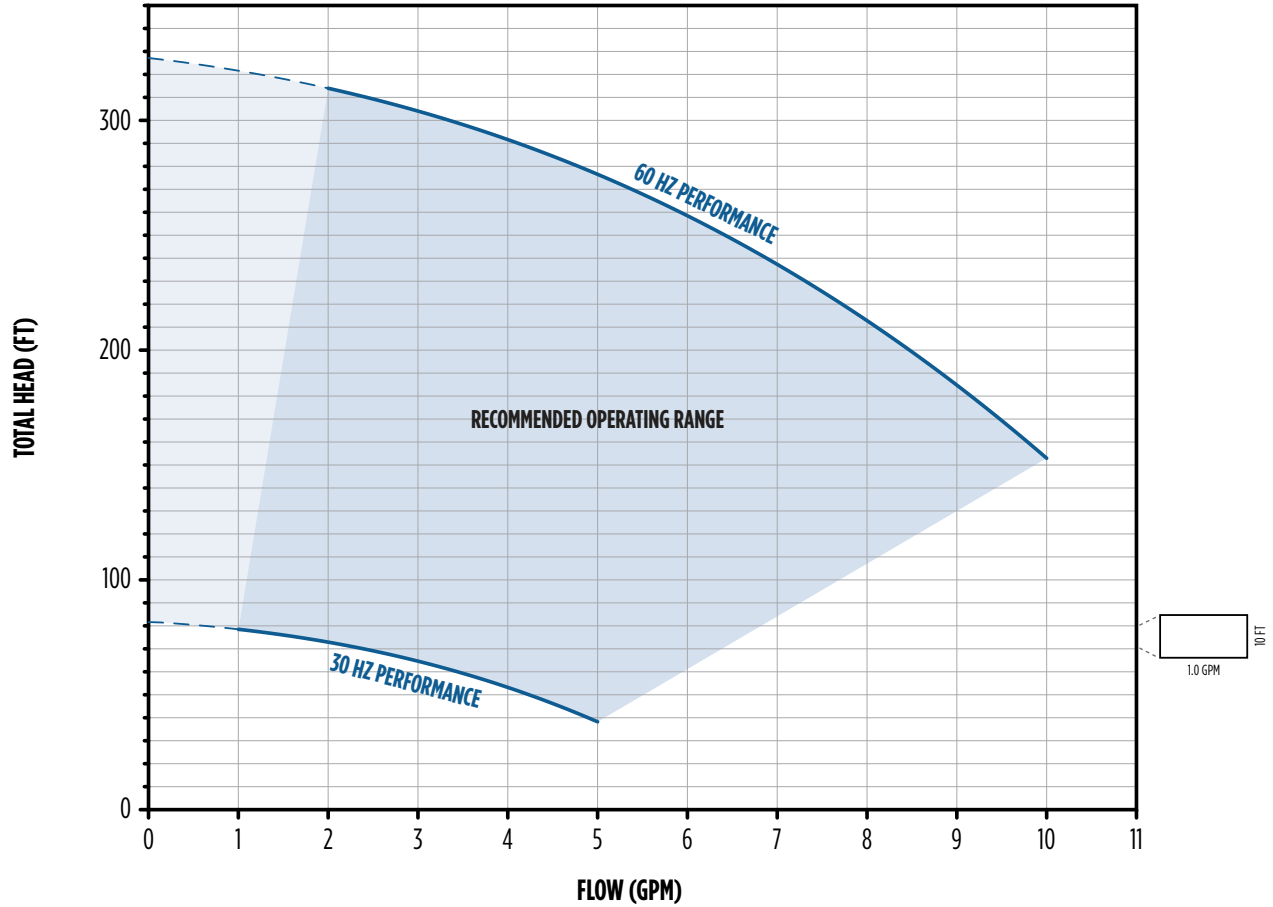


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
1.5	0										8	8	8	7	7	7	6	5	4	3			899	
	20									8	8	8	7	7	7	6	6	5	4	2				
	30								8	8	8	7	7	7	6	6	6	5	3					
	40							8	8	8	8	7	7	7	6	6	5	4	3					
	50						8	8	8	8	7	7	7	6	6	6	5	4	3					
	60			8	8	8	8	8	8	7	7	7	7	6	6	5	5	4	2					
	80		8	8	8	8	8	8	7	7	7	7	6	6	5	5	4	3						
Shut-off PSI		381	372	364	355	346	338	329	320	312	303	281	260	238	216	195	173	130	86	43				

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

7 GPM, 0.5 HP PUMP END | 0.5 HP MOTOR

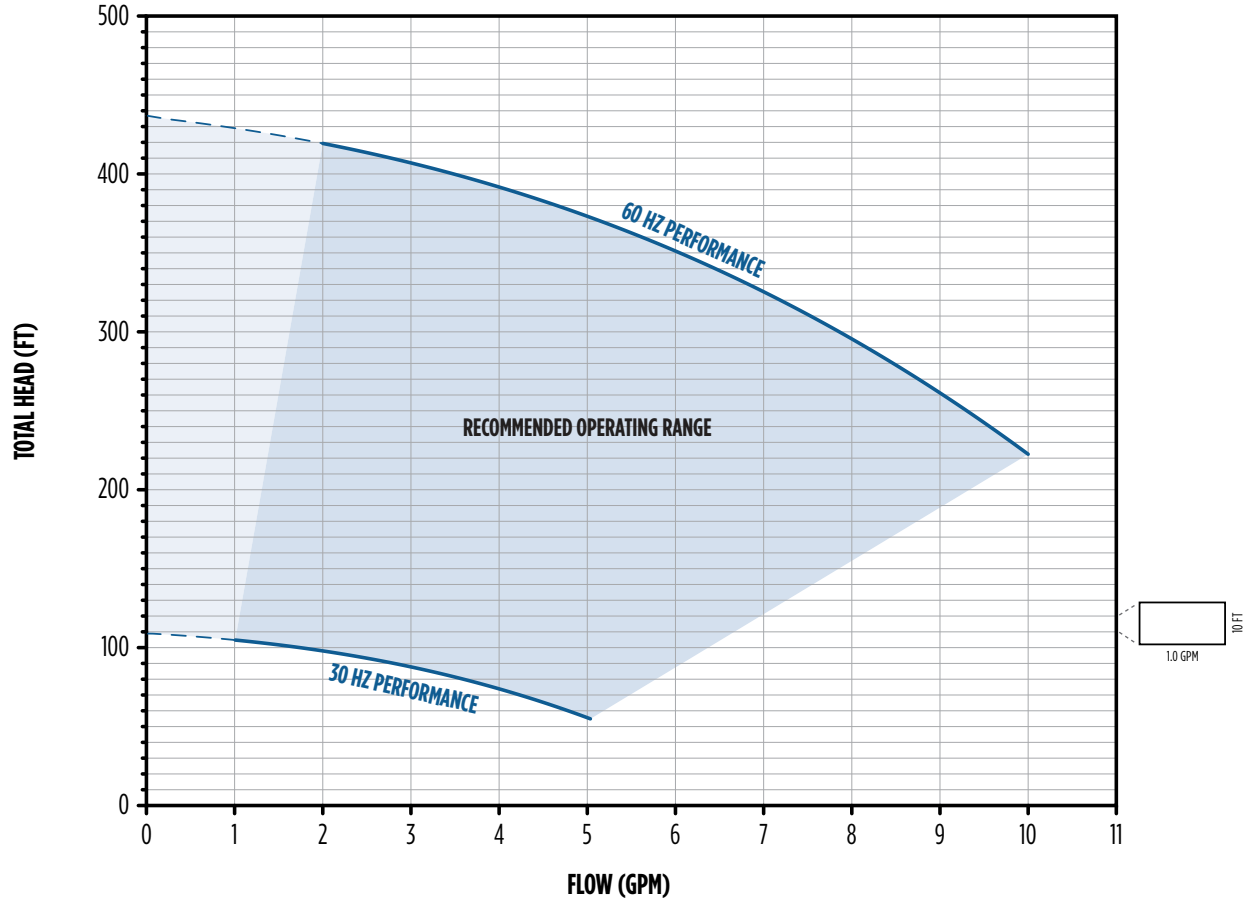


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
1/2	0				12	12	11	11	10	10	9	7	3											324
	20		12	12	11	11	10	9	9	8	7	4												
	30	12	12	11	11	10	9	9	8	7	6													
	40	12	11	11	10	9	9	8	7	5	4													
	50	11	10	10	9	8	8	7	5	4														
	60	10	10	9	8	7	6	5	3															
	80	9	8	7	6	5	3																	
Shut-off PSI		132	123	115	106	97	89	80	71	63	54	32	10											

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

7 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

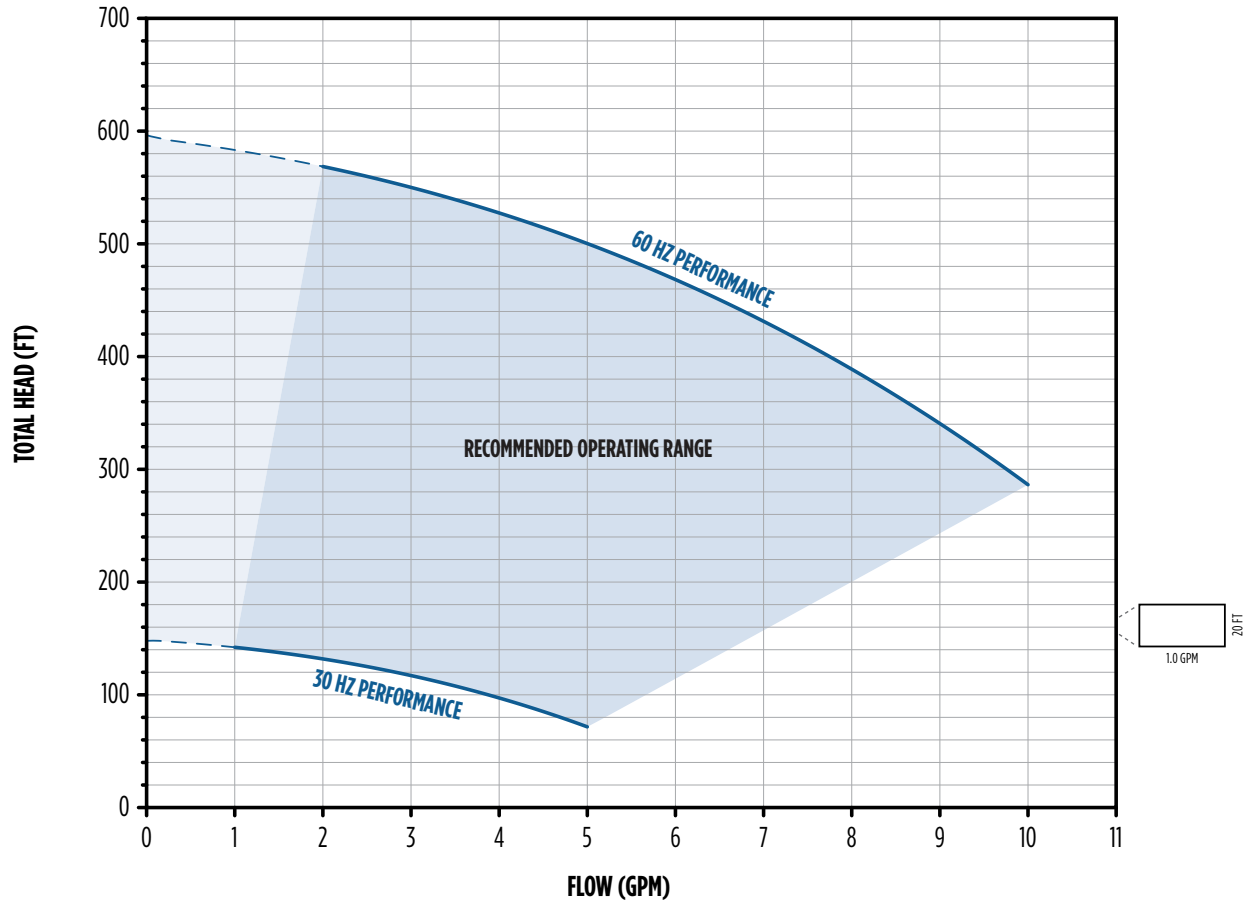


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
3/4	0						12	12	11	11	10	9	8	5	2									421
	20				12	12	11	11	10	10	9	8	6	2										
	30			12	12	11	11	10	10	9	9	7	4											
	40		12	11	11	11	10	10	9	9	8	6	3											
	50	12	11	11	11	10	10	9	8	8	7	5												
	60	11	11	10	10	10	9	8	8	7	6	3												
80	10	10	9	9	8	7	7	6	5	3														
Shut-off PSI		174	165	156	148	139	130	122	113	104	96	74	52	31	9									

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

7 GPM, 1 HP PUMP END | 1 HP MOTOR

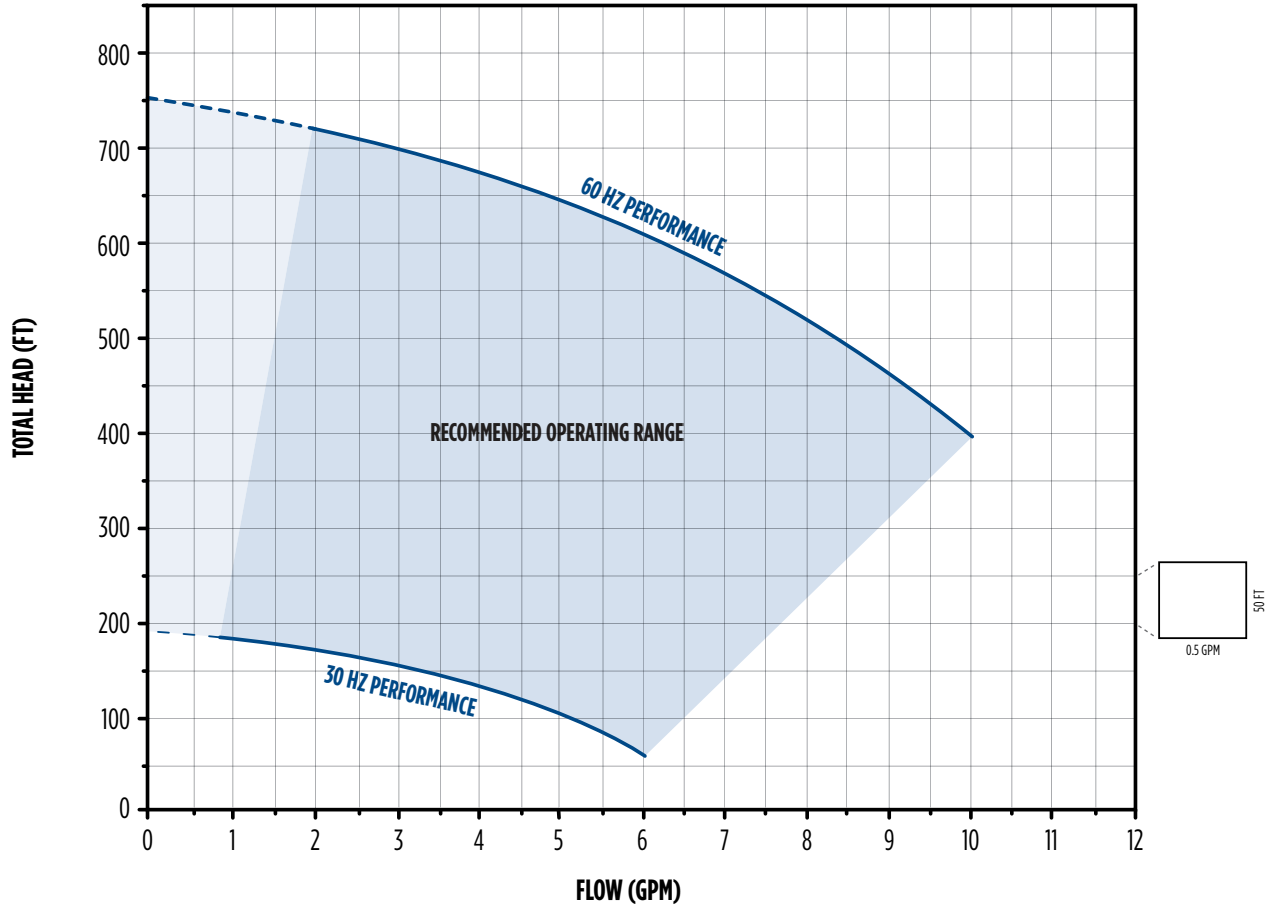


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
1	0								12	12	12	11	10	9	8	7	5							586
	20						12	12	11	11	11	10	9	8	7	5	3							
	30					12	12	11	11	11	11	10	9	7	6	4								
	40				12	12	11	11	11	10	10	9	8	7	5	3								
	50			12	12	11	11	11	10	10	10	9	8	6	5	2								
	60		12	12	11	11	11	10	10	10	9	8	7	5	3									
80	12	11	11	11	10	10	10	9	9	8	7	6	3											
Shut-off PSI		245	237	228	219	211	202	193	185	176	167	146	124	102	81	59	37							

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

7 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

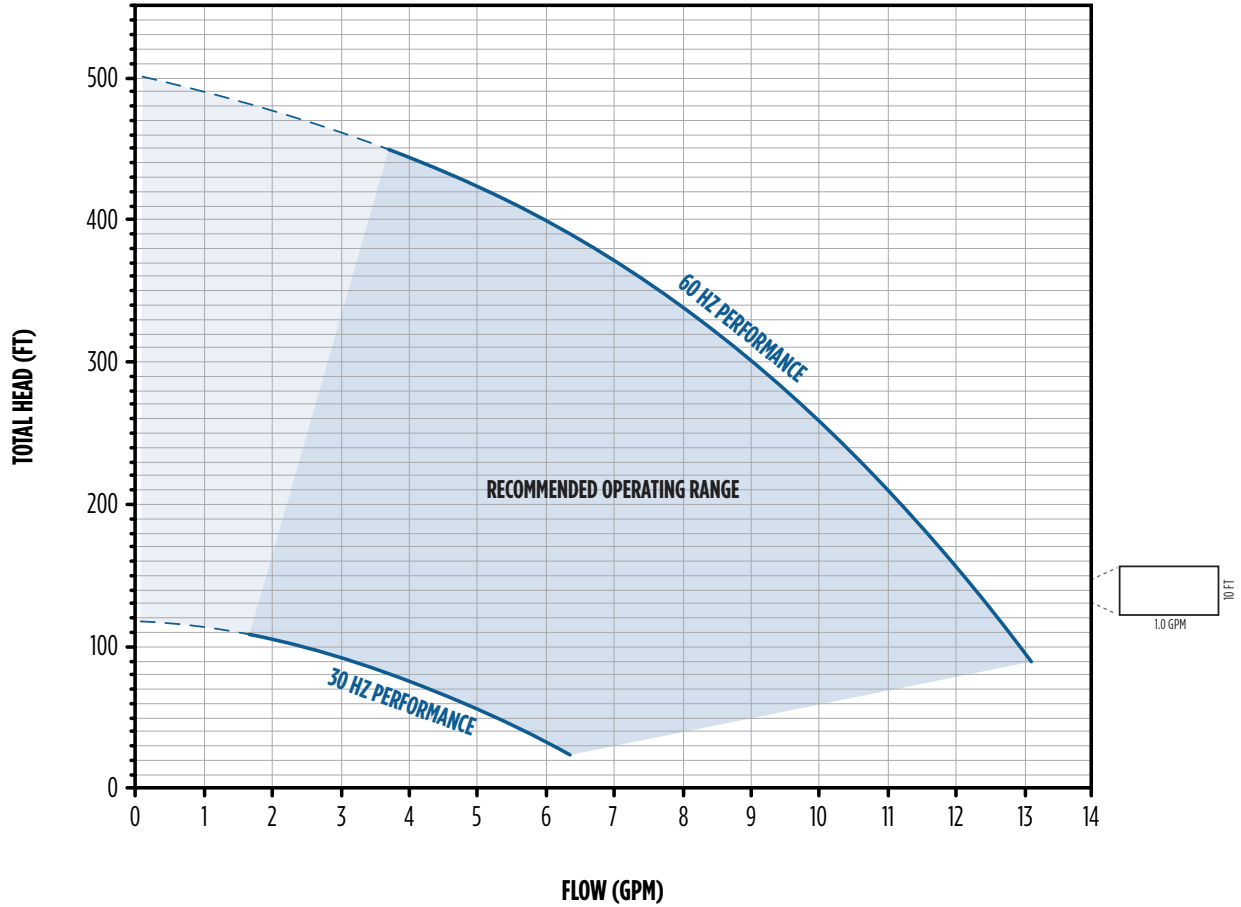


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000
1.5	0									12	12	11	11	10	9	8	6	3					752
	20								12	12	11	11	10	9	8	7	5						
	30							12	12	12	11	10	10	9	8	7	4						
	40						12	12	12	11	11	10	9	8	8	6	3						
	50					12	12	12	11	11	10	10	9	8	7	6	2						
	60				12	12	11	11	11	11	10	9	9	8	7	5							
	80	12	12	12	11	11	11	11	10	10	9	9	8	7	5	4							
Shut-off PSI		317	309	300	291	283	274	265	257	248	139	218	196	174	153	131	109	66	23				

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

10 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

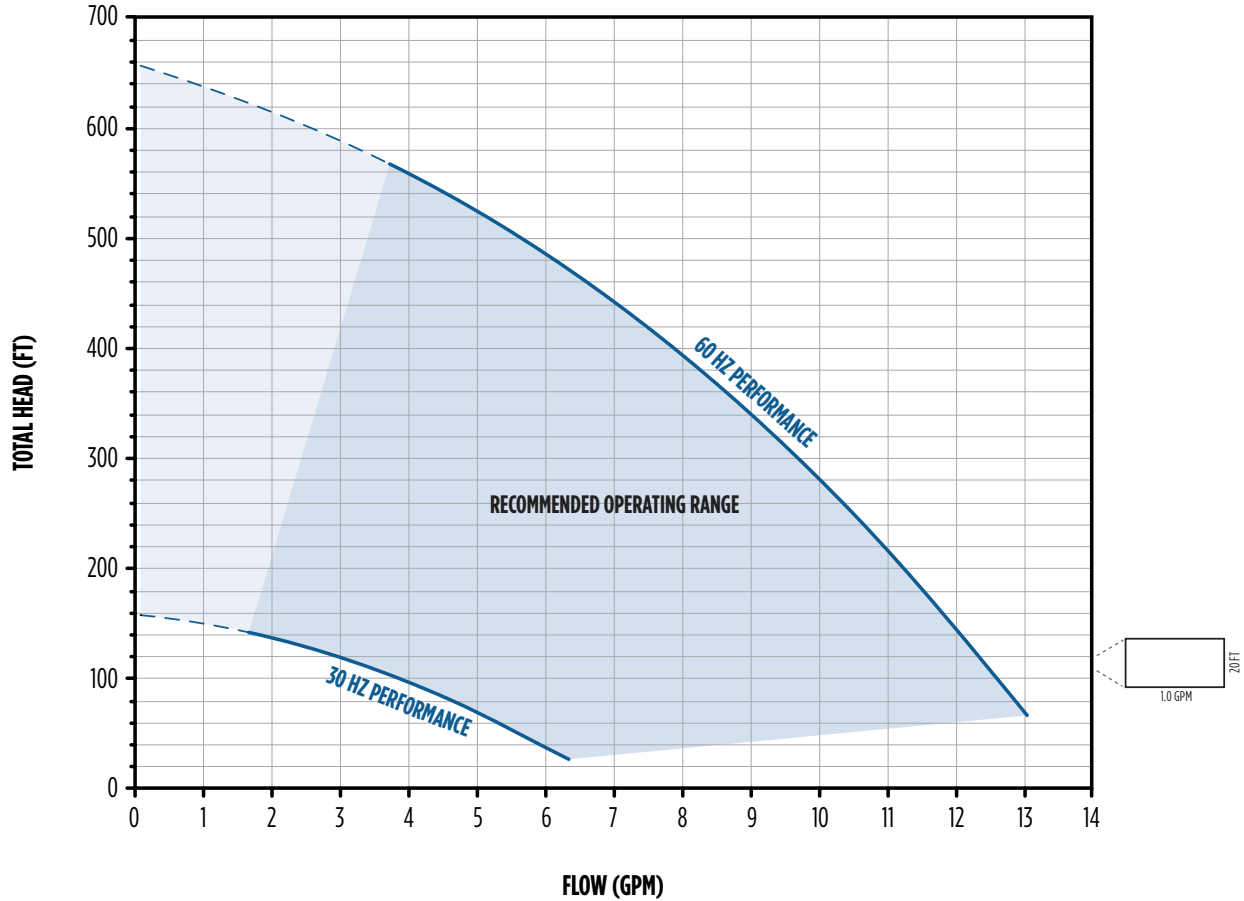


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																									
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	Shut-Off (ft)
3/4	0					13	12	12	12	11	11	10	9	9	7	6	5	2									455
	10				13	12	12	11	11	11	10	10	9	8	7	5	3										
	20		13	12	12	12	11	11	11	10	10	9	8	7	6	4											
	30	13	12	12	12	11	11	11	10	10	9	9	8	7	5	3											
	40	12	12	12	11	11	10	10	10	9	9	8	7	6	4												
	50	12	12	11	11	10	10	10	9	9	8	8	6	5	3												
	60	12	11	11	10	10	10	9	9	8	8	7	6	4													
	70	11	11	10	10	9	9	8	8	7	7	6	5														
	80	11	10	10	9	9	8	8	7	7	6	5	3														
Shut-off PSI		197	188	180	171	162	154	145	136	128	119	110	93	76	58	41	24	6	0								

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

10 GPM, 1 HP PUMP END | 1 HP MOTOR

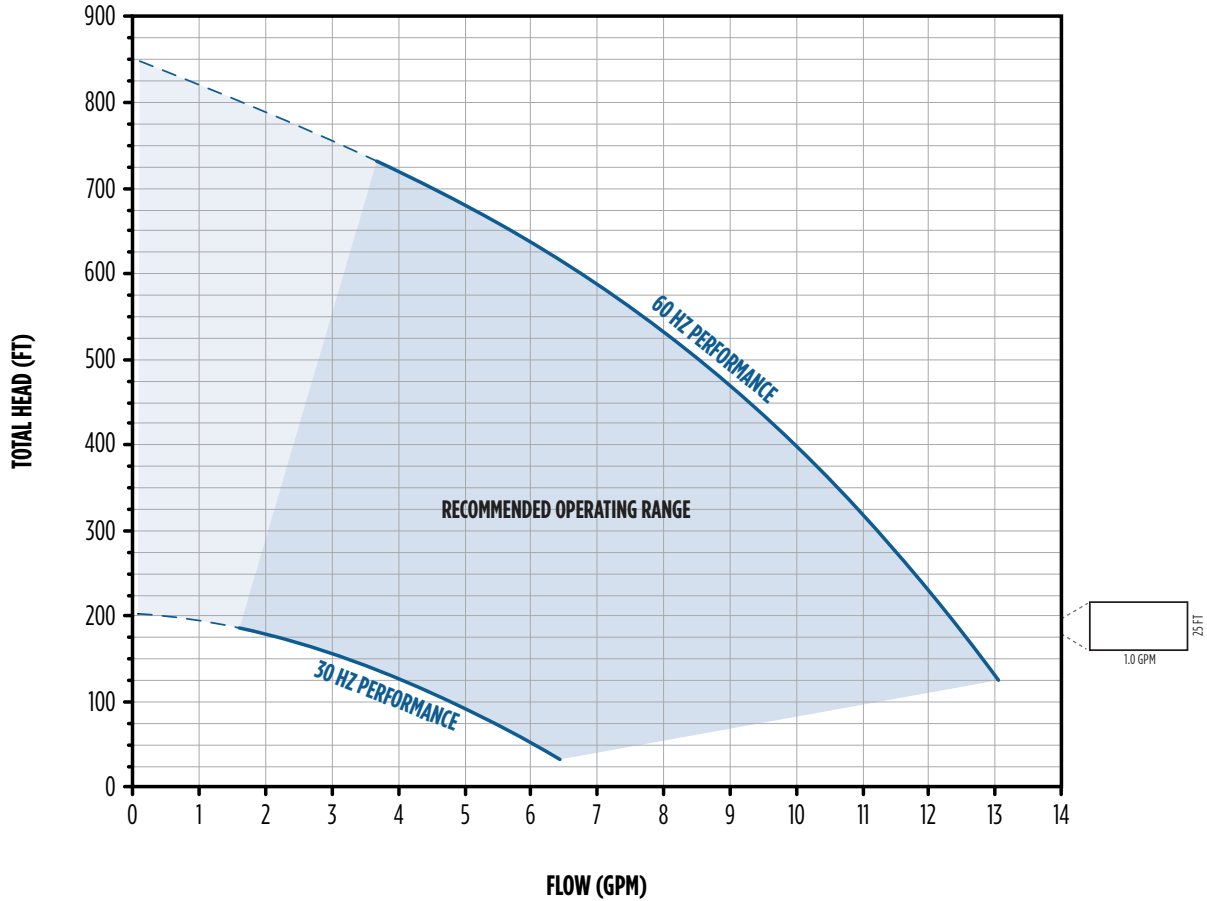


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				Shut-Off (ft)					
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550		600	650	700	750	800
1	0						13	12	12	12	12	11	11	10	9	9	8	7	6	6	4	2					618
	10					13	12	12	12	12	11	11	10	10	9	8	8	7	6	5	3						
	20					13	12	12	12	12	11	11	10	10	9	8	7	6	5	4	2						
	30		13	13	12	12	12	12	11	11	11	10	10	9	8	7	6	5	4	4							
	40	13	12	12	12	12	11	11	11	11	10	10	9	9	8	7	6	5	3	2							
	50	12	12	12	12	11	11	11	11	10	10	10	9	8	7	6	5	4	2								
	60	12	12	12	11	11	11	11	10	10	10	9	8	8	7	6	5	3									
	70	12	12	11	11	11	11	10	10	10	9	9	9	8	7	6	5	4	2								
80	12	11	11	11	11	10	10	10	9	9	9	8	8	7	6	4	3										
Shut-off PSI		268	259	250	242	233	224	216	207	198	190	181	164	146	129	112	94	77	60	51	29	8	0				

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

10 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

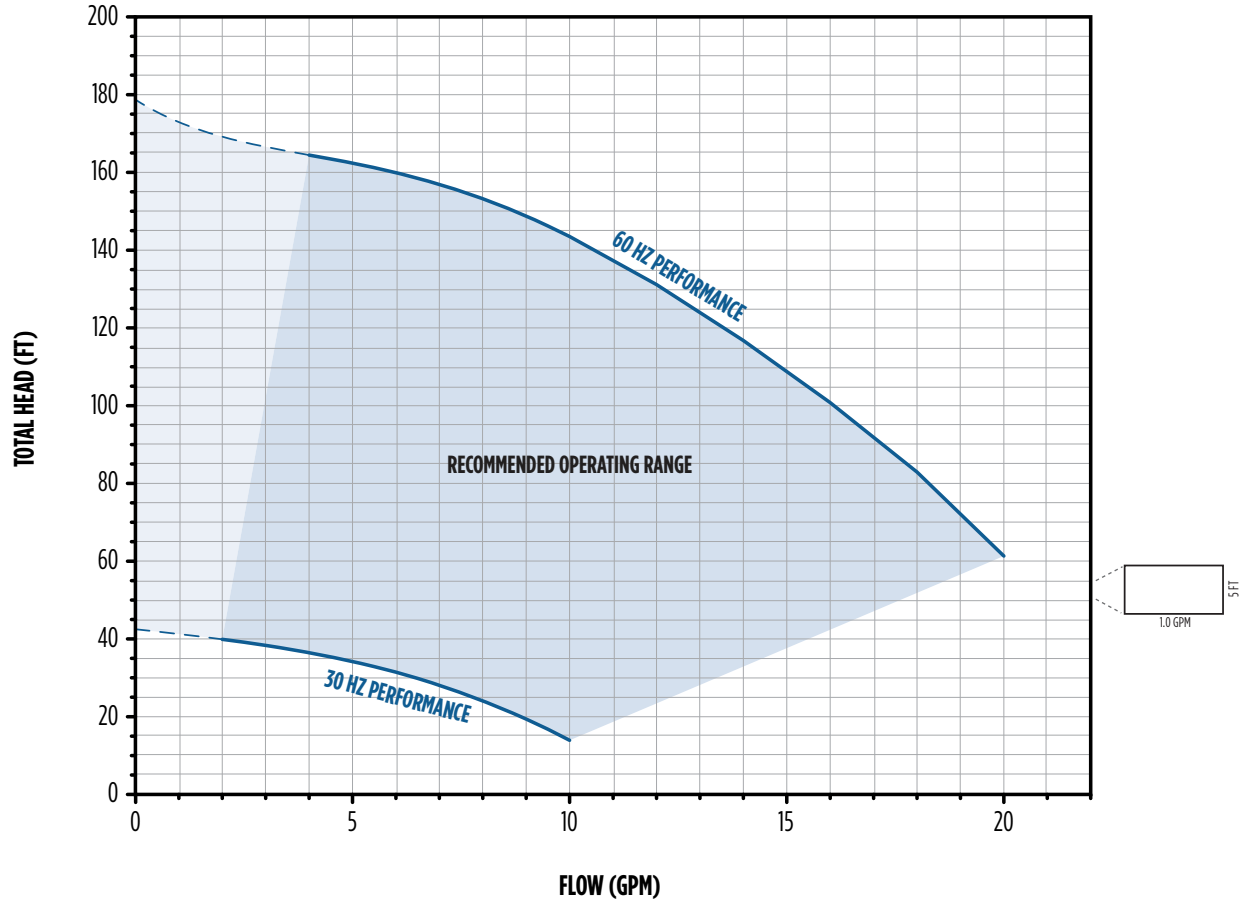


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				Shut-Off (ft)					
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550		600	650	700	750	800
1.5	0										13	12	12	11	11	11	10	9	9	9	8	7	6	4	2	765	
	10									13	13	12	12	12	11	11	10	10	9	9	8	7	6	5	4		
	20									13	12	12	12	12	12	11	11	10	10	9	8	8	7	6	5		3
	30						13	12	12	12	12	12	12	11	11	10	10	9	8	8	7	7	6	5	4		
	40					13	12	12	12	12	12	12	11	11	10	10	9	9	8	7	7	6	5	3			
	50				13	12	12	12	12	12	12	11	11	11	10	10	9	8	8	7	7	6	5	4			
	60			13	12	12	12	12	12	11	11	11	11	10	10	9	9	8	7	7	6	5	3				
	70	13	13	12	12	12	12	12	11	11	11	11	11	10	10	9	9	8	8	7	6	6	4				
80	12	12	12	12	12	12	11	11	11	11	10	10	10	9	9	8	7	6	5	5	3						
Shut-off PSI		331	323	314	305	297	288	279	271	262	253	245	227	210	193	175	158	141	123	115	93	71	50	28	6	0	

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

15 GPM, 05 HP PUMP END | 0.5 HP MOTOR

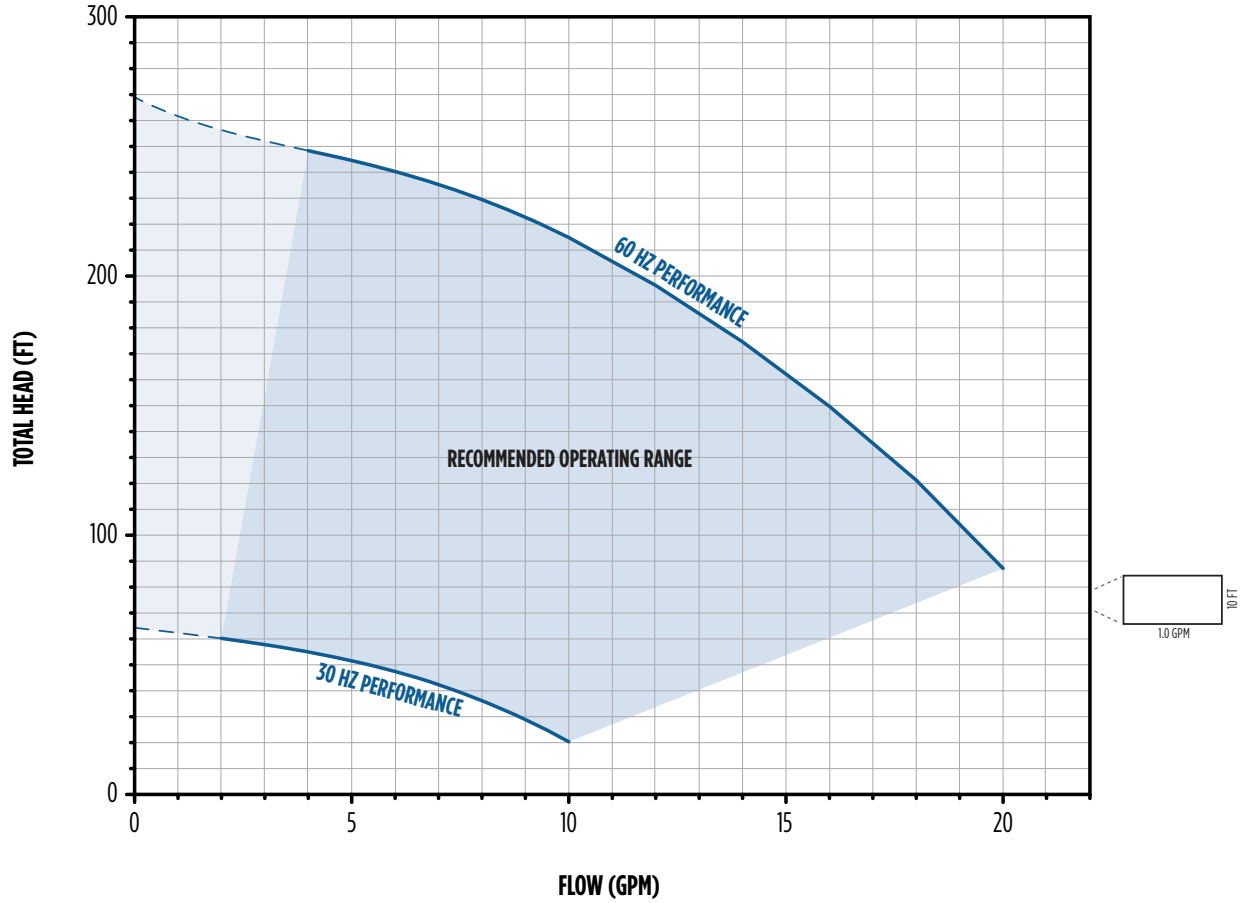


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																								Shut-Off (ft)		
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700	800	900	1000	1100		1200	
1/2	0			20	18	16	13	9	4																		170	
	20	19	17	15	12	8																						
	30	17	14	11	7																							
	40	14	11	6																								
	50	10	5																									
	60	4																										
	80																											
Shut-off PSI		65	56	48	39	30	22	13	4																			

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

15 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

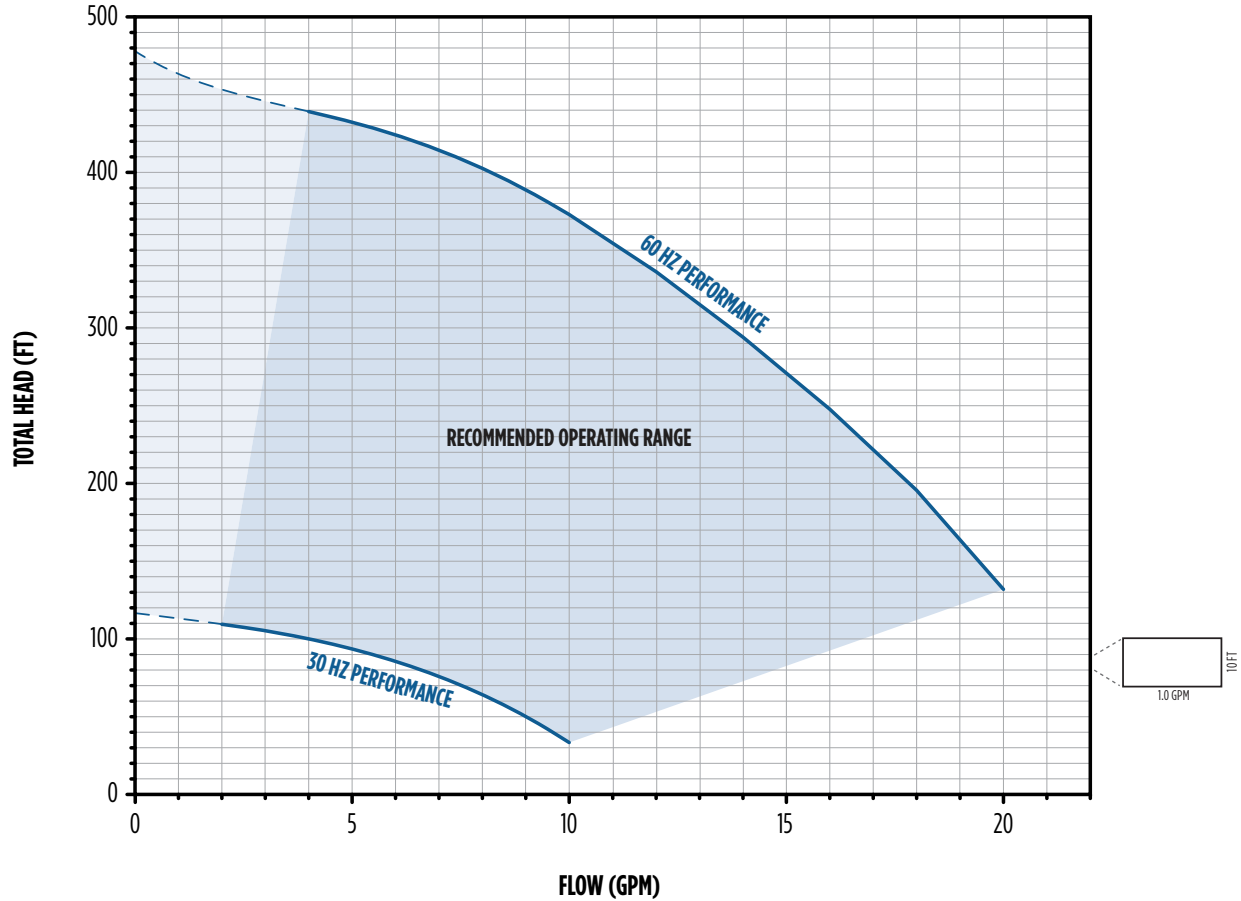


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																								Shut-Off (ft)	
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700	800	900	1000	1100		1200
3/4	0				20	19	18	16	15	13	11																257
	20		20	19	17	16	14	12	10	7																	
	30	20	18	17	16	14	12	10	6																		
	40	18	17	15	14	12	9	6																			
	50	17	15	13	11	9	5																				
	60	15	13	11	8	4																					
	80	10	7																								
Shut-off PSI		103	94	85	77	68	59	51	42	33	25																

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

15 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

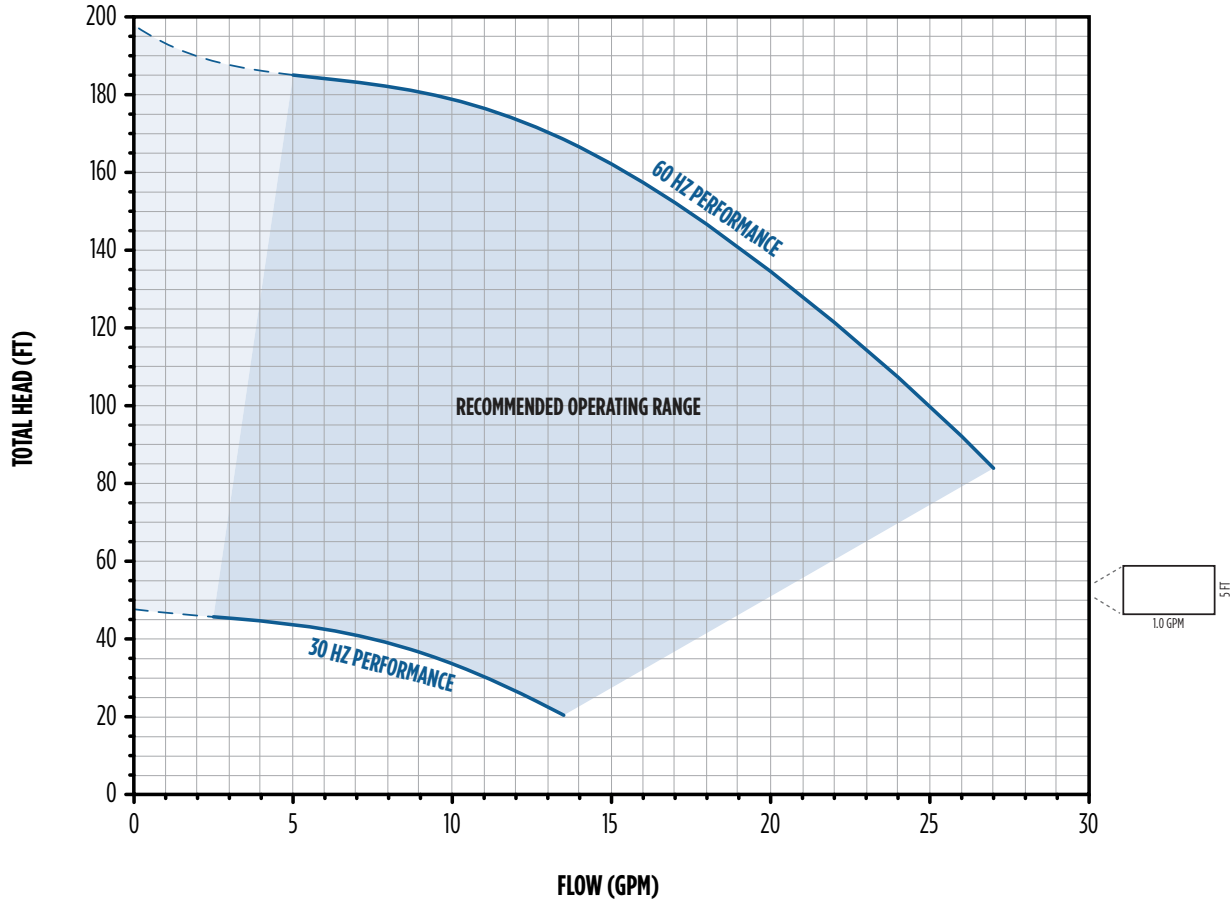


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				Shut-Off (ft)					
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700		800	900	1000	1100	1200
1.5	0						20	20	19	19	18	17	16	14	11	8	4										467
	20				20	20	19	18	18	17	16	15	14	12	7												
	30			20	20	19	18	18	17	16	15	14	13	10	5												
	40		20	19	19	18	18	17	16	15	15	13	11	9													
	50	20	19	19	18	17	17	16	15	14	13	11	10	7													
	60	19	19	18	17	17	16	15	14	13	12	10	8	4													
	80	18	17	16	16	15	14	13	12	11	9	6															
Shut-off PSI		193	185	176	167	159	150	141	133	124	115	98	89	72	46	29	11										

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

20 GPM, 0.75 HP PUMP END | 0.75 HP MOTOR

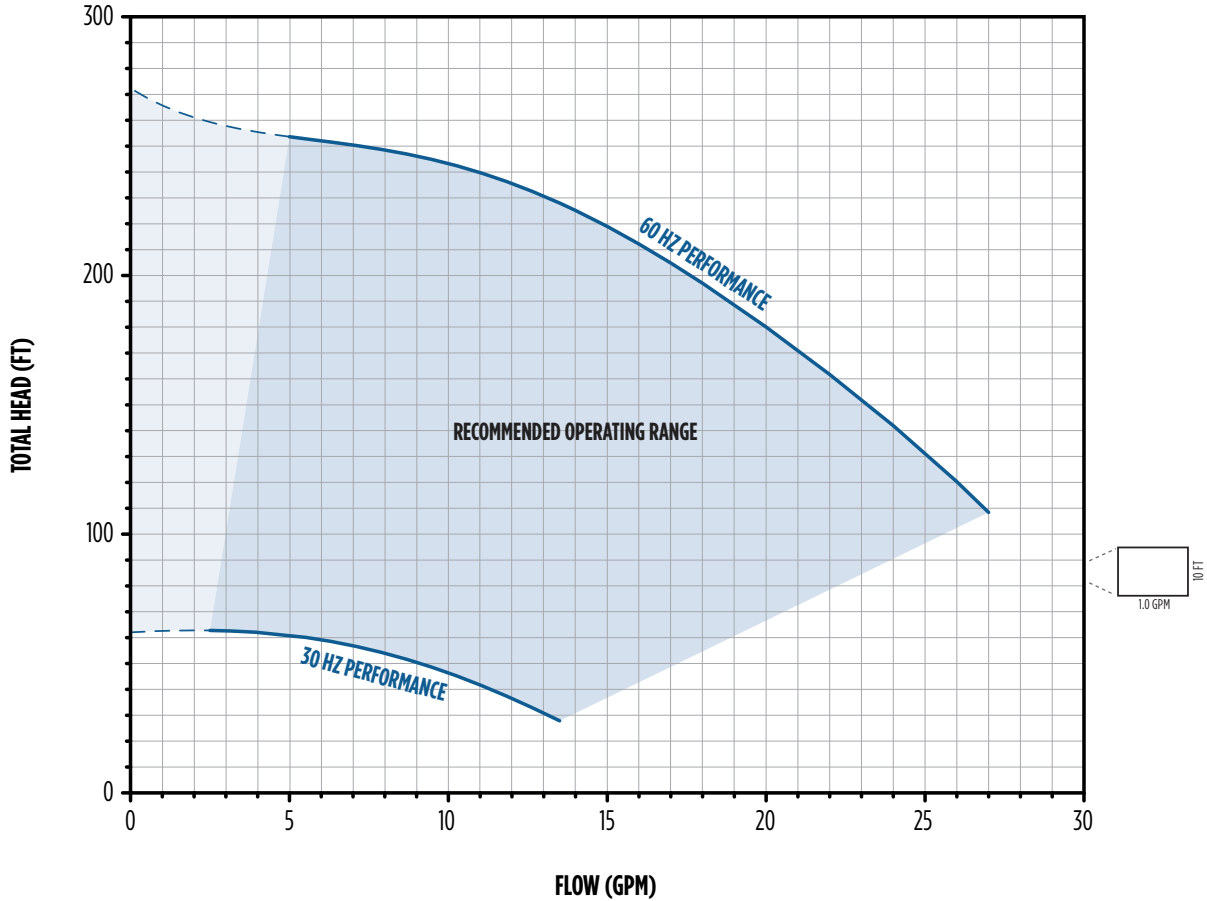


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				Shut-Off (ft)				
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700		800	900	1000	
3/4	0				24	22	21	18	14																190	
	20		23	21	19	17	12																			
	30	23	21	19	17	11																				
	40	21	19	17	10																					
	50	19	16	10																						
	60	14																								
Shut-off PSI		74	65	56	48	39	30	22	13																	

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

20 GPM, 1 HP PUMP END | 1 HP MOTOR

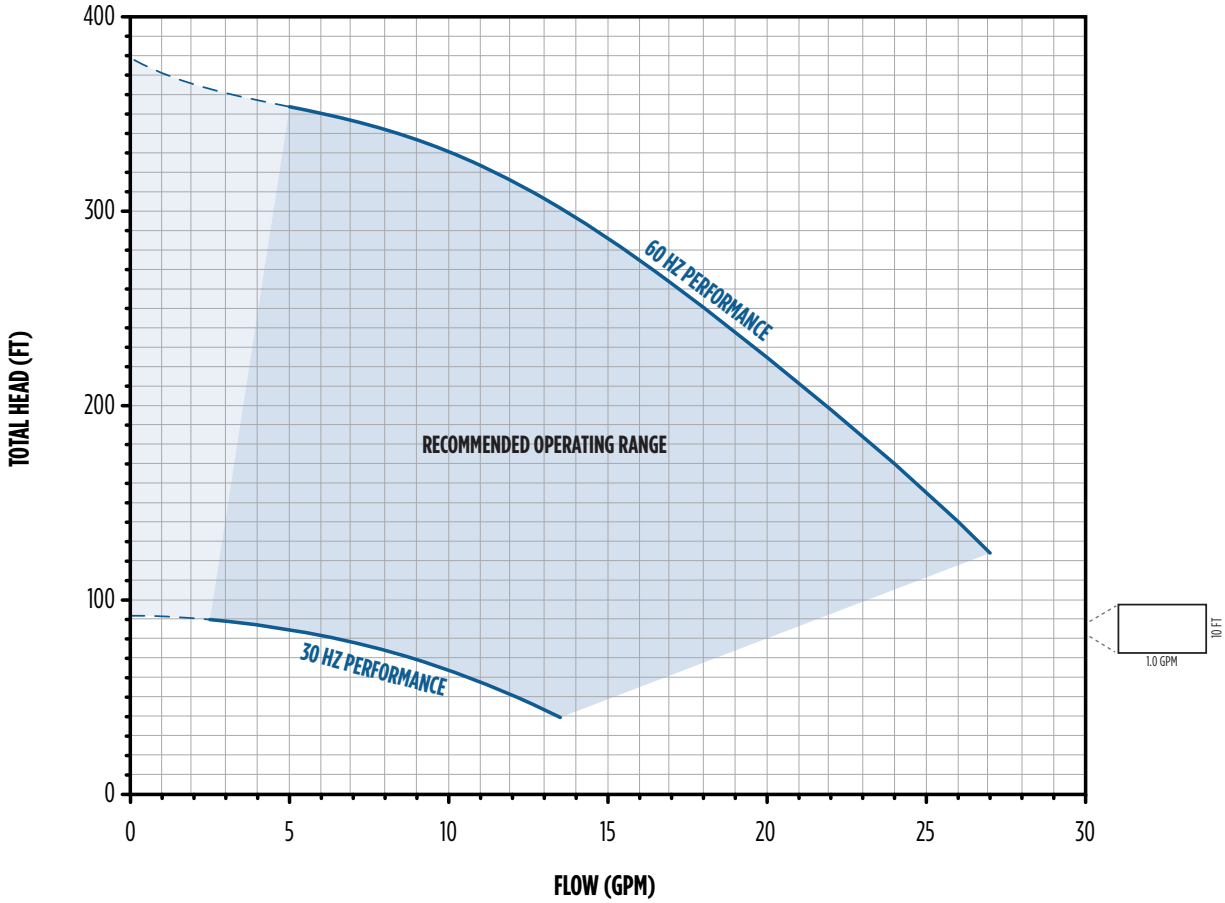


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		Shut-Off (ft)						
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500		600	700	800	900	1000	
1	0						26	25	23	20	18	11														
	20			27	26	24	22	20	18	15	8															
	30		27	26	24	22	19	17	14	7																
	40	27	25	23	21	19	17	13																		
	50	25	23	21	19	16	12																			
	60	23	21	18	16	11																				
	70	20	18	15	10																					
	80	18	15	9																						
Shut-off PSI		100	91	83	74	66	57	48	40	31	22	5														

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

20 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

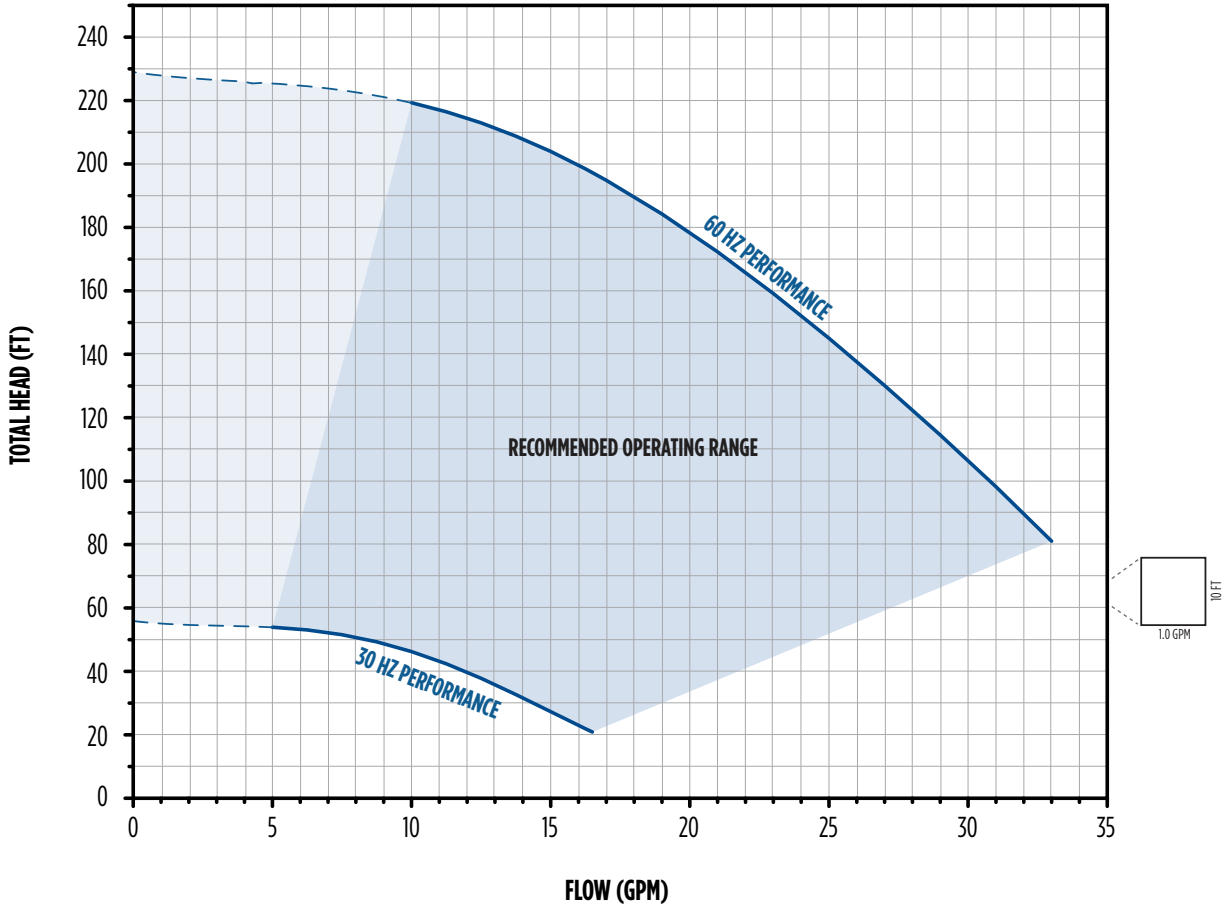


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		Shut-Off (ft)					
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500		600	700	800	900	1000
1.5	0									27	26	24	22	20	17	6									
	20						27	25	24	23	21	18	16	10											
	30					26	25	24	22	21	20	16	13												
	40				26	25	23	22	21	19	18	13	8												
	50		27	26	25	23	22	21	19	17	15	7													
	60	27	26	24	23	22	20	19	17	15	11														
	70	26	24	23	21	20	19	17	14	11	5														
	80	24	23	21	20	18	16	14	10																
Shut-off PSI		156	147	138	130	121	112	104	95	86	78	60	52	34	8										

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

25 GPM, 1 HP PUMP END | 1 HP MOTOR

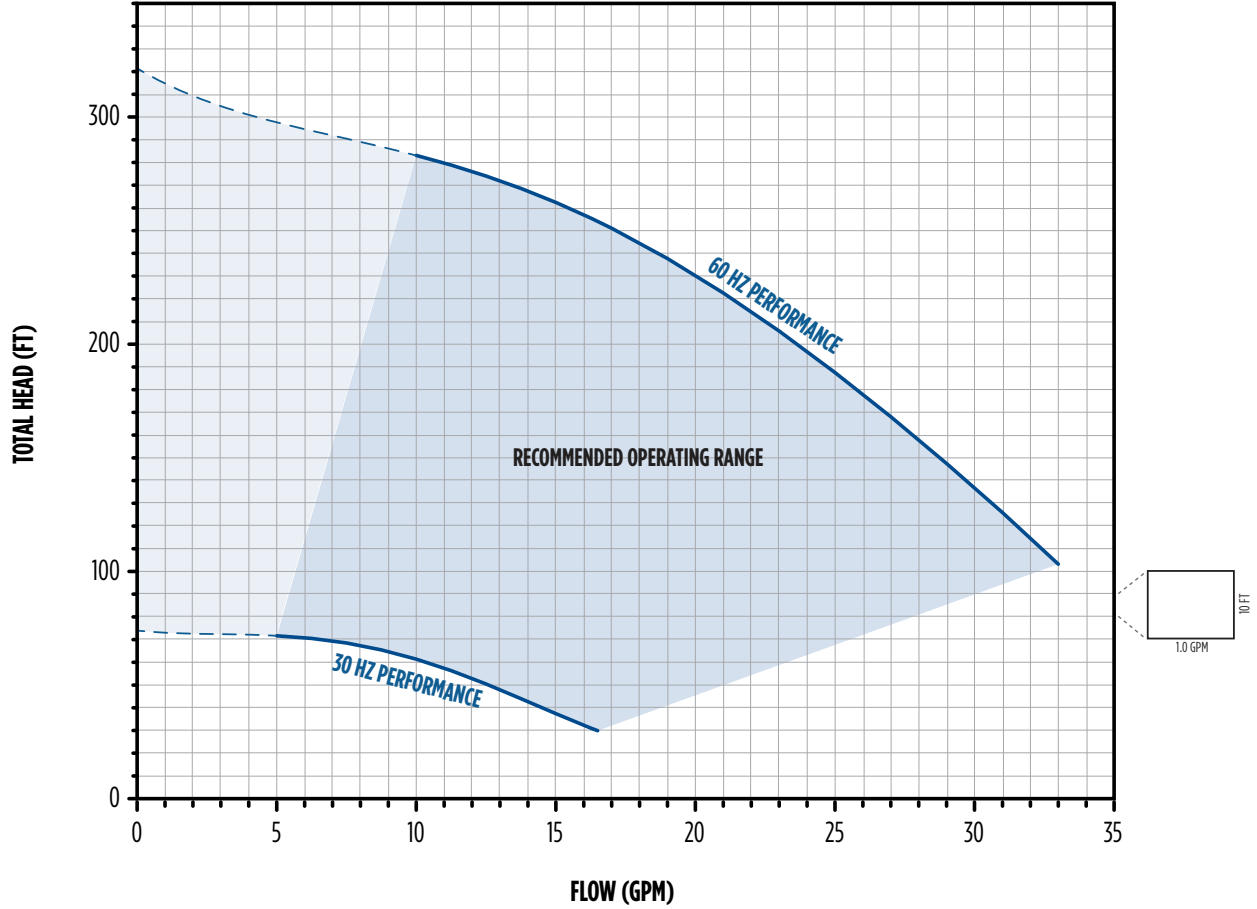


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		Shut-Off (ft)					
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500		600	700	800	900	1000
1	0			35	33	31	28	26	24	21	17														222
	20		32	30	28	25	22	18	15																
	30	32	29	27	25	22	19																		
	40	29	27	25	22	19																			
	50	26	24	21	16																				
	60	24	21	17																					
Shut-off PSI		87	79	70	61	53	44	35	27	18	10														

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

SUBDRIVE UTILITY 2-WIRE PERFORMANCE

25 GPM, 1.5 HP PUMP END | 1.5 HP MOTOR

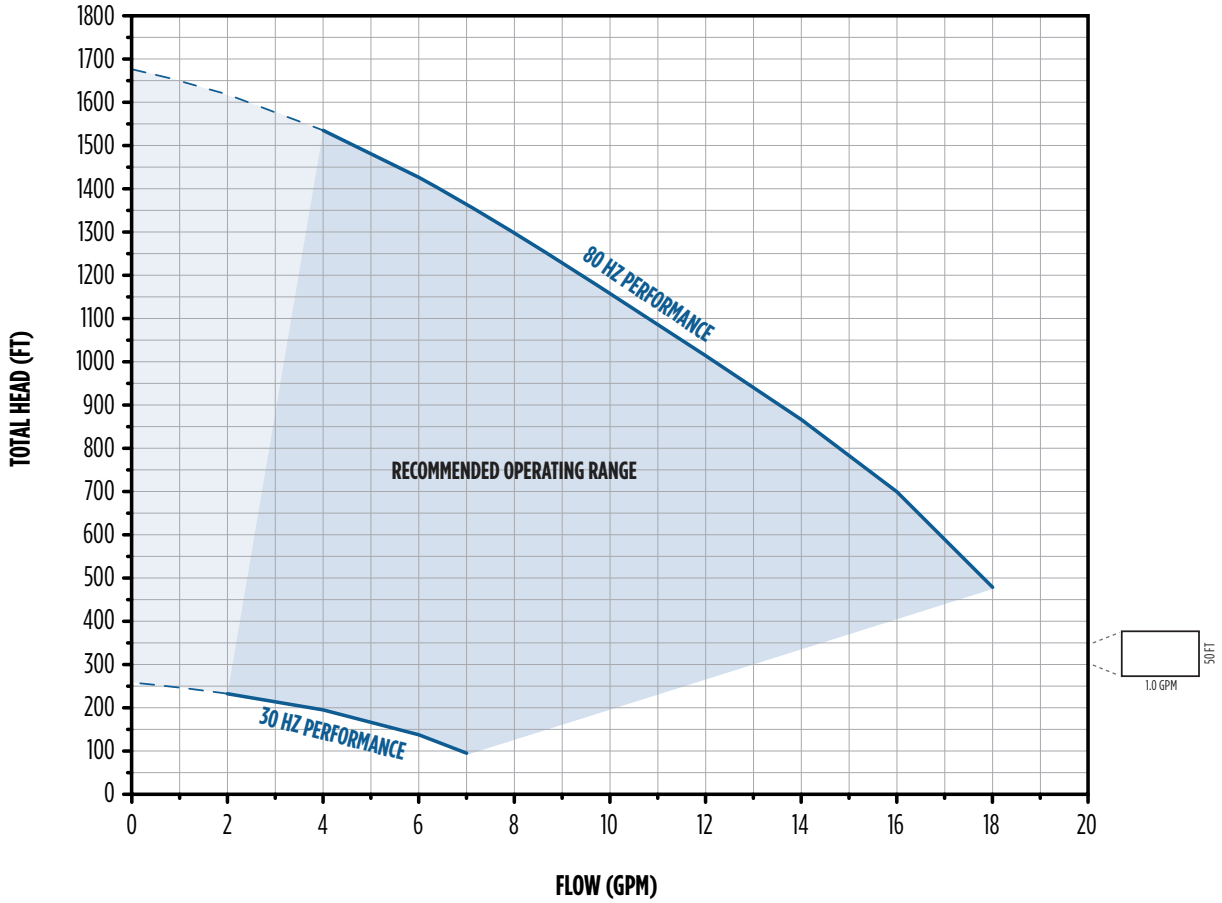


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			Shut-Off (ft)					
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600		700	800	900	1000	
1.5	0						33	31	29	27	25	21	19													297
	20				32	30	28	26	24	22	19															
	30			32	30	28	26	24	22	19	16															
	40	33	32	29	27	25	23	21	19	15																
	50	32	29	27	25	23	21	18																		
	60	29	27	25	23	20	18																			
Shut-off PSI		120	111	103	94	85	77	68	59	51	42	25	16													

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

SD CONNECT 50/SD300 PERFORMANCE

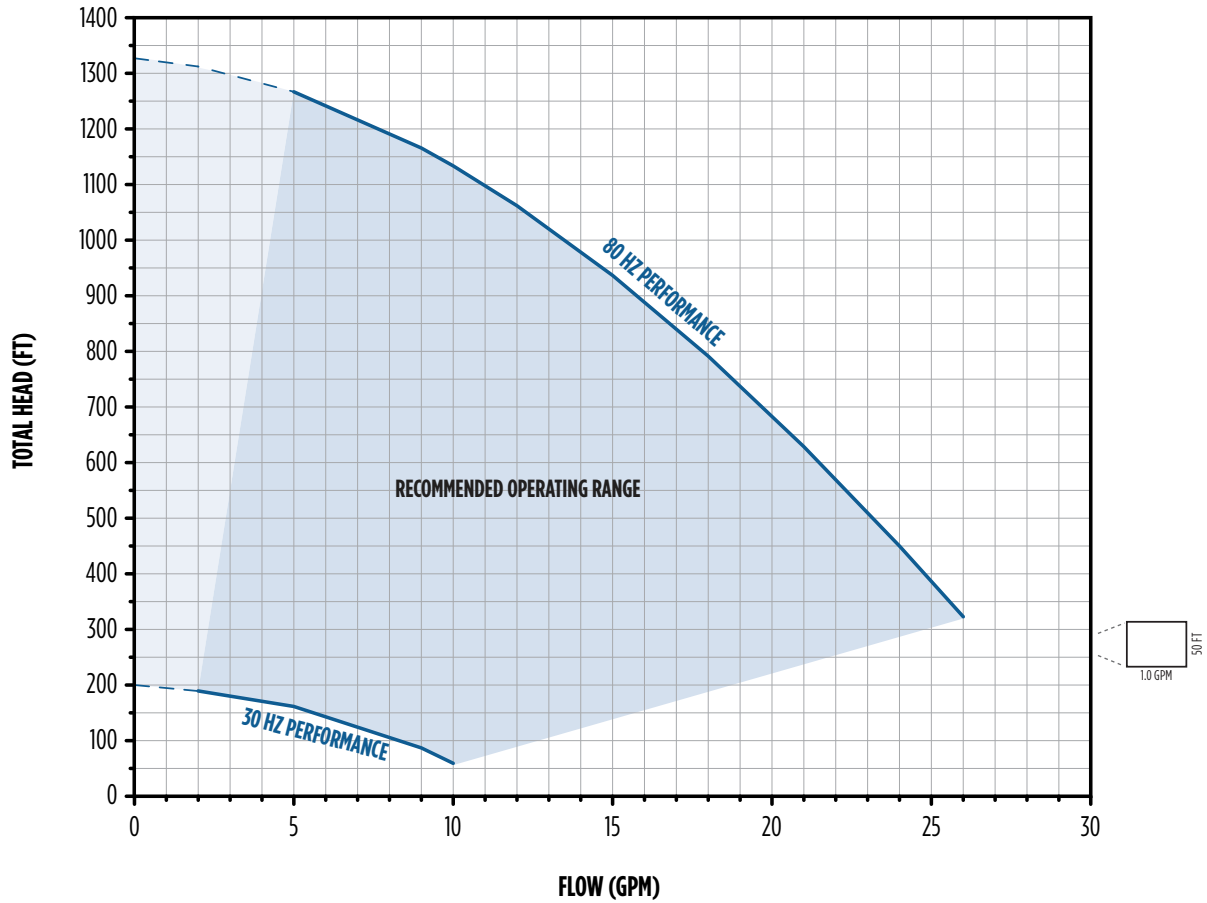
10 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained; SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

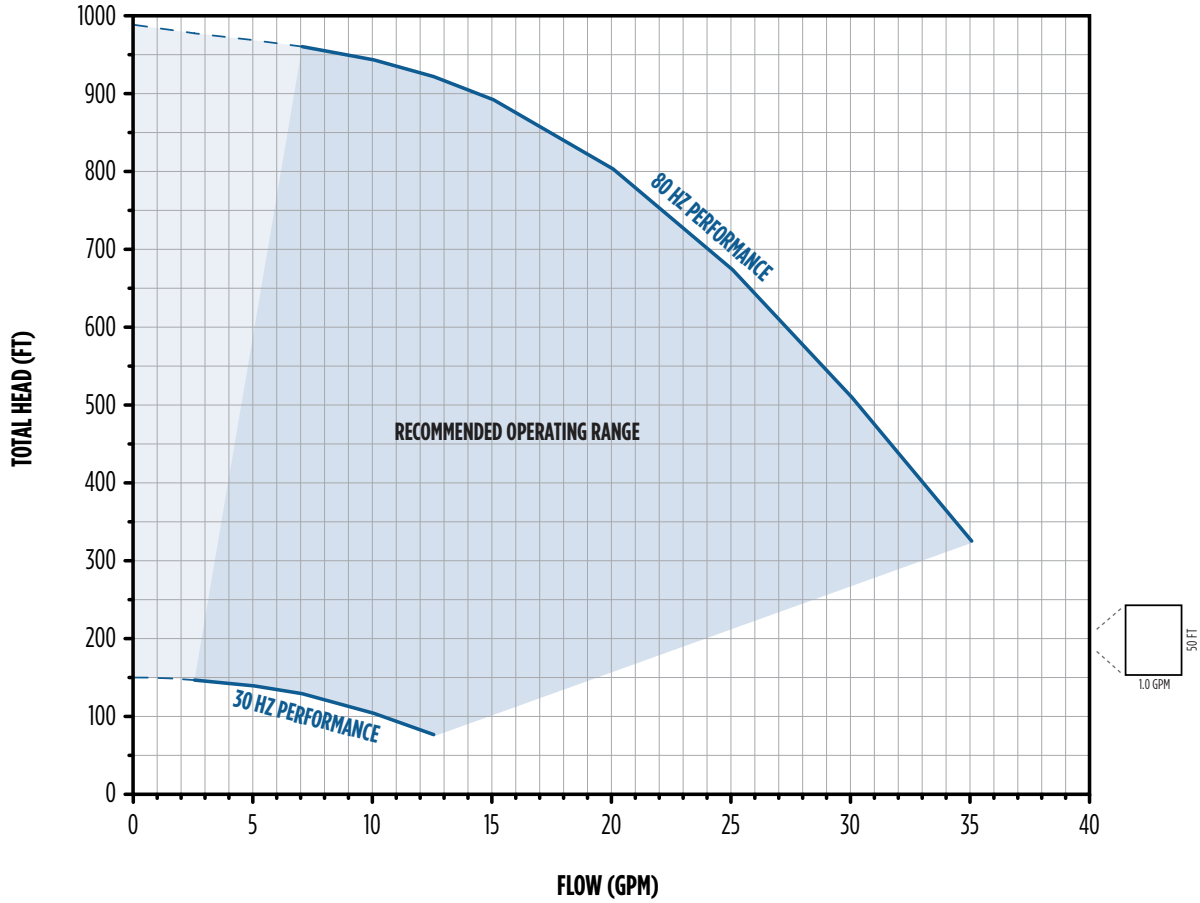
15 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained; SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

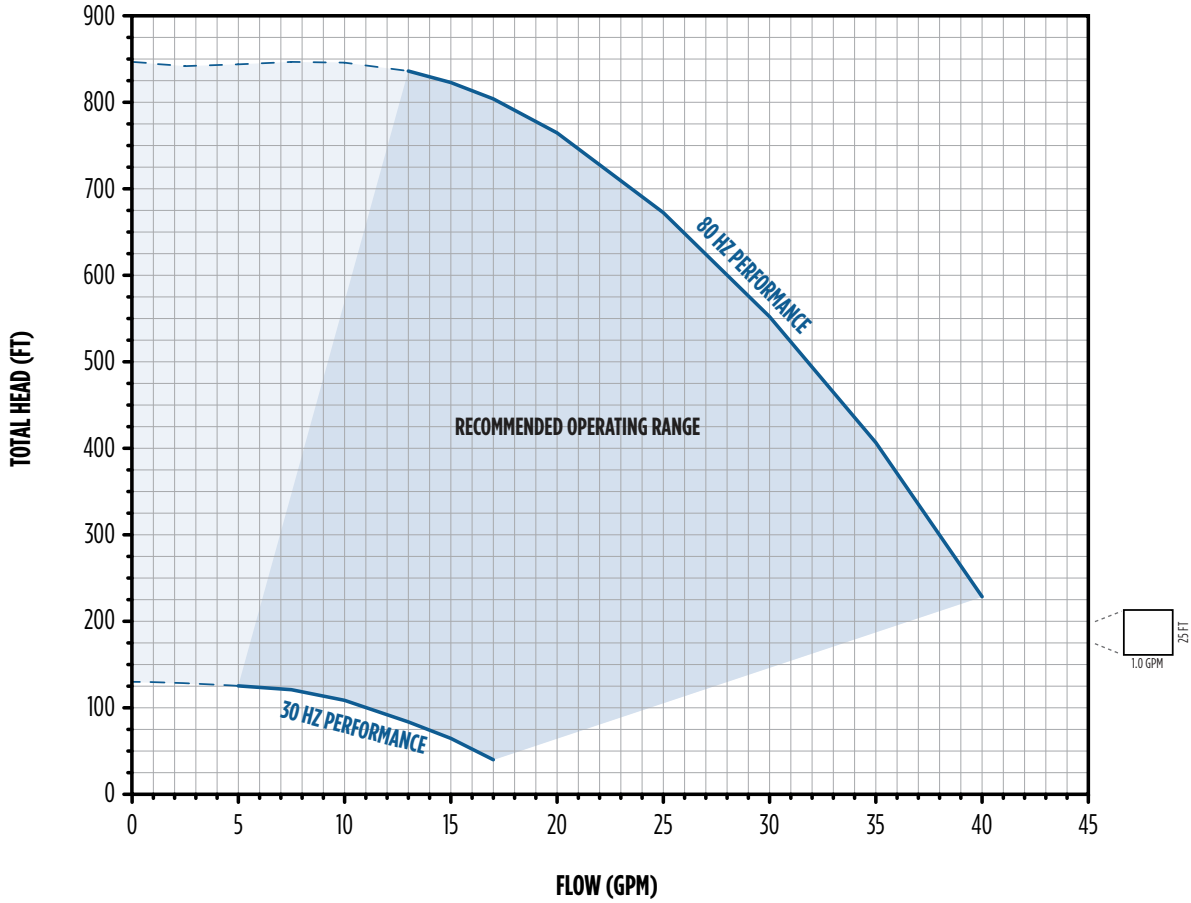
20 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained. SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

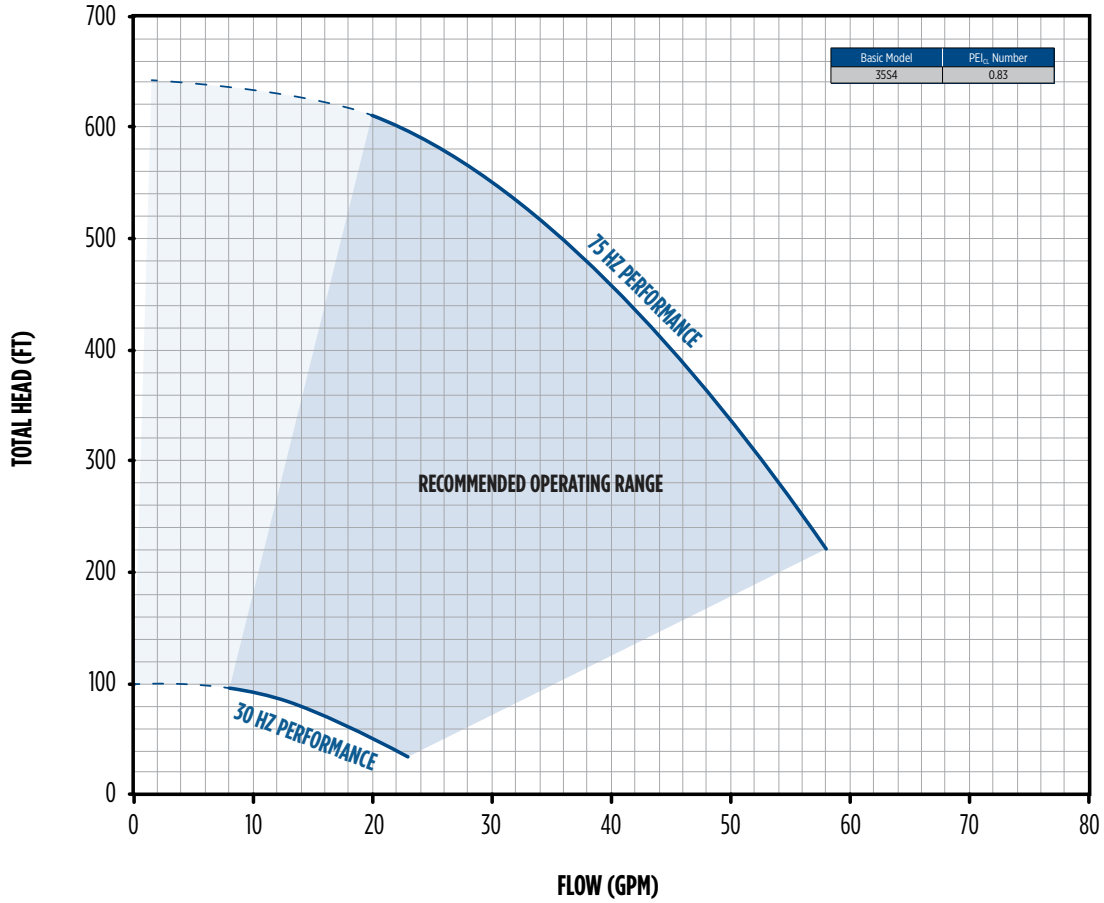
25 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained. SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

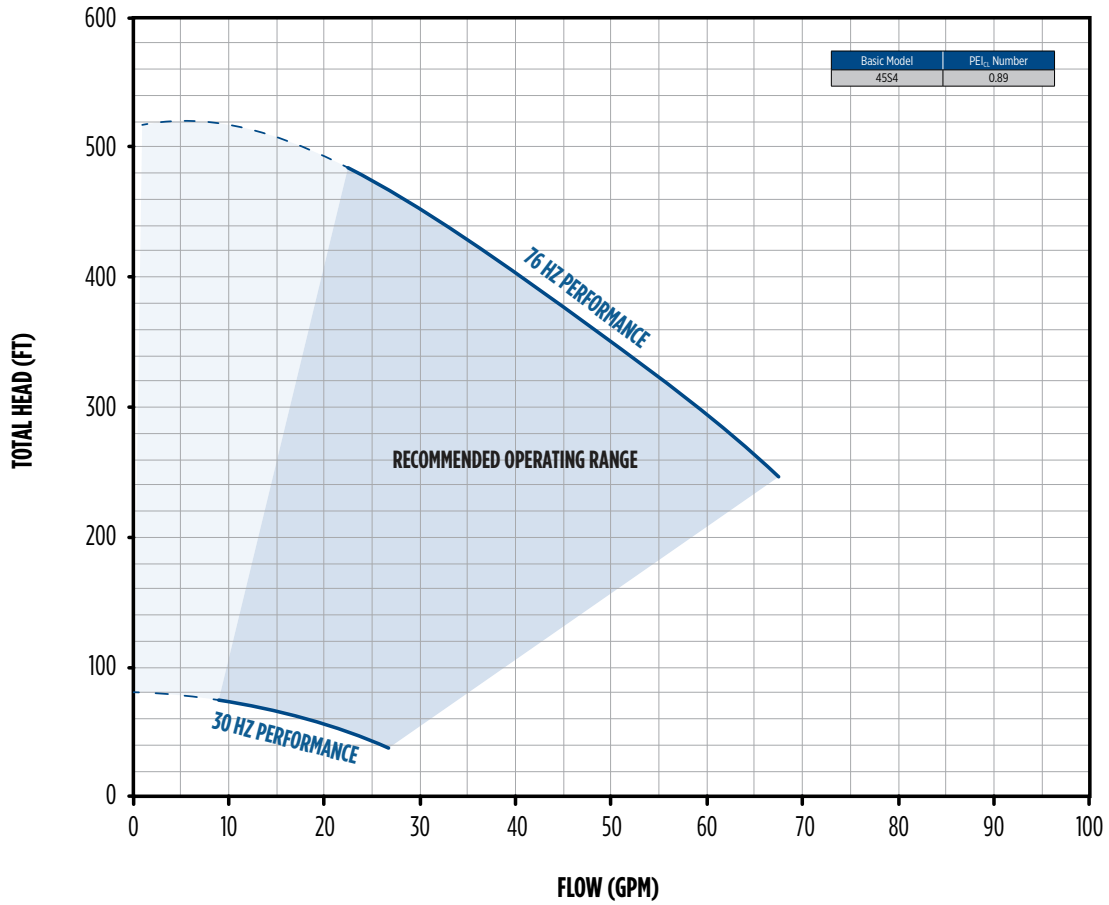
35 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained. SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

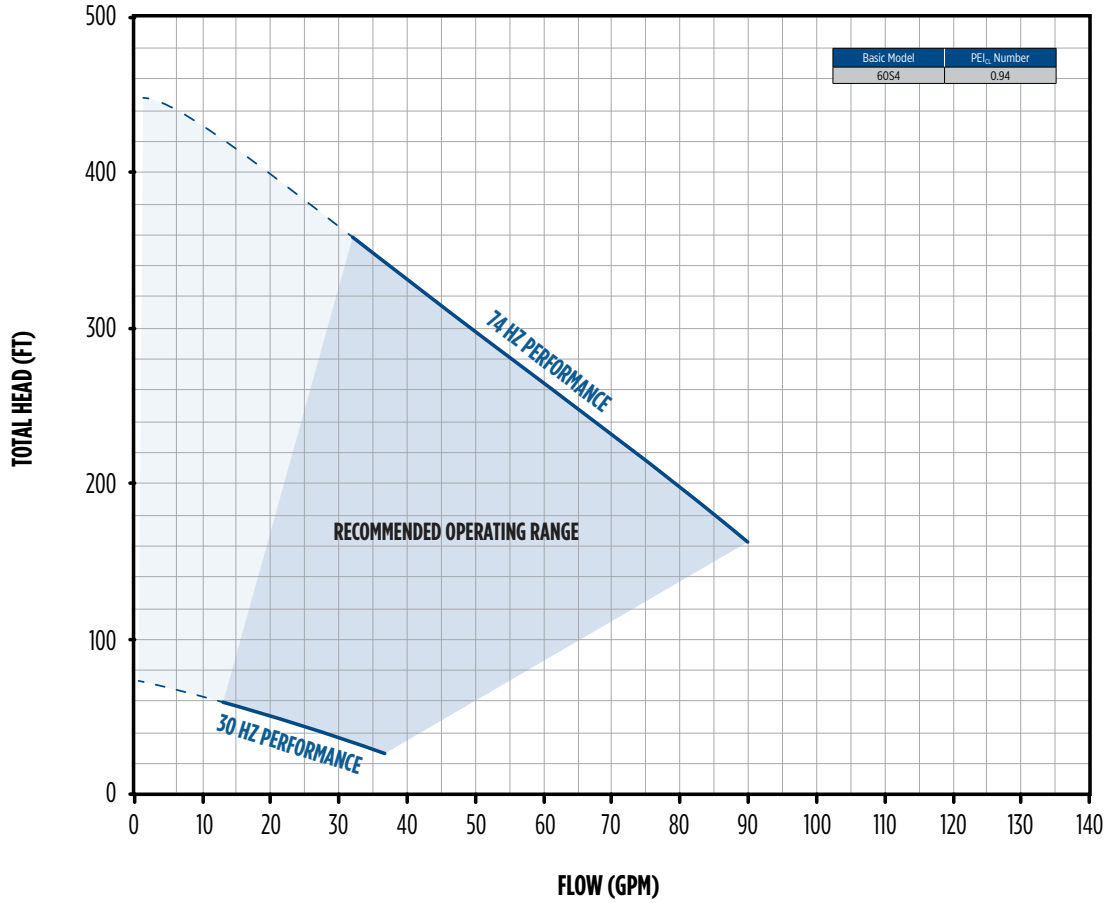
45 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained. SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

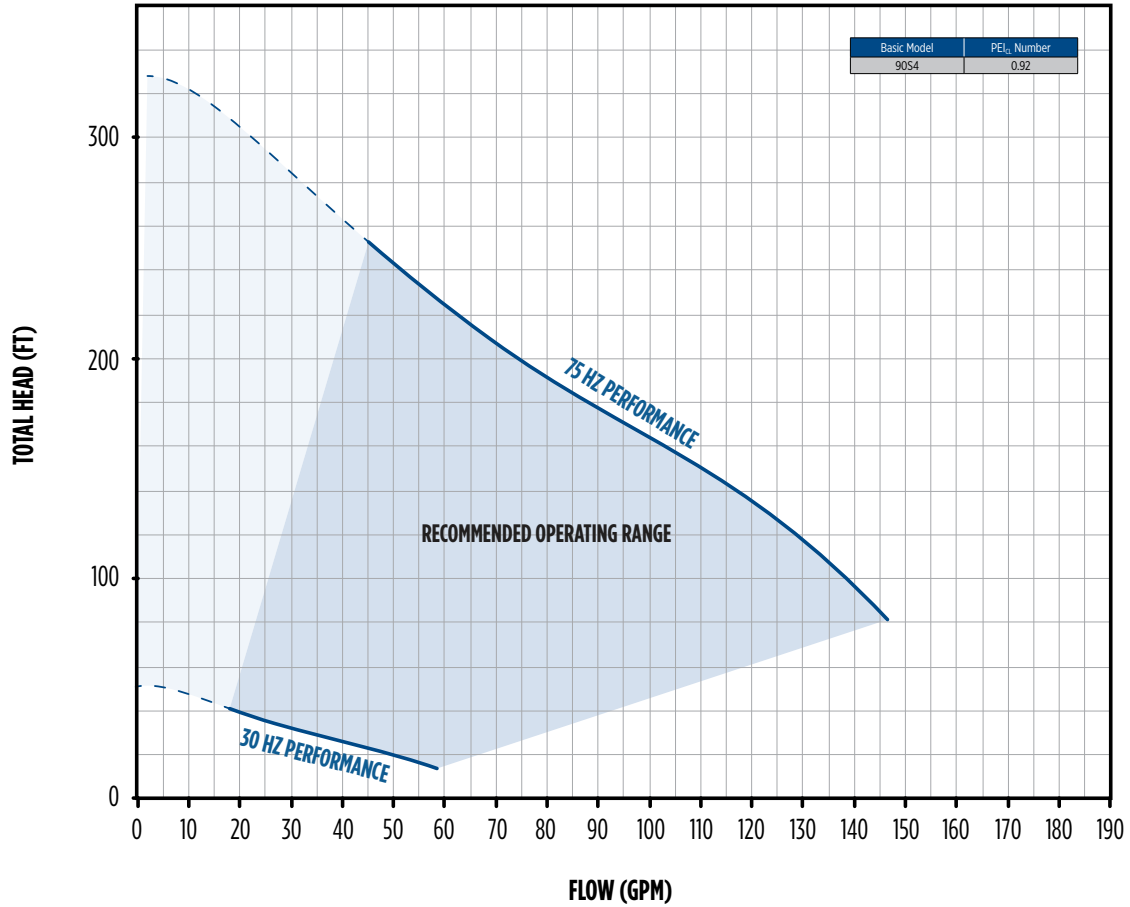
60 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained; SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

SD CONNECT 50/SD300 PERFORMANCE

90 GPM, 3 HP PUMP END | 5 HP MOTOR



NOTE: 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 in some installations an 80 Hz speed may not be attained; SubDrive 300 data is to be used for performance reference only; products are not offered as a QuickPAK system

