

SUBDRIVE QUICKPAK

CONSTANT PRESSURE SYSTEMS



SUBDRIVE QUICKPAK CONSTANT PRESSURE SYSTEMS

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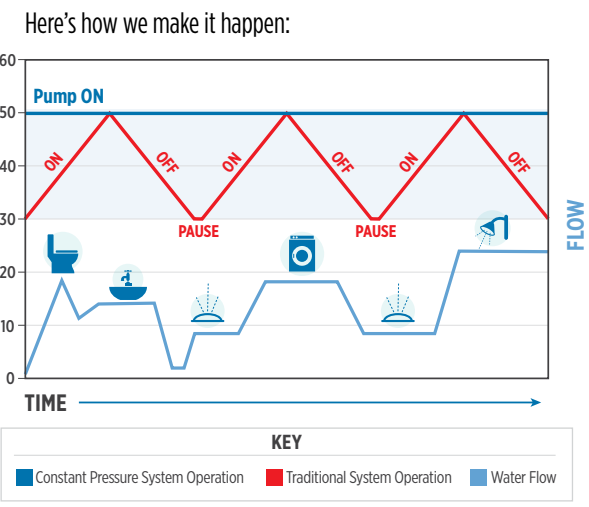
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WHAT IS A CONSTANT PRESSURE SYSTEM?

A constant pressure system delivers the water experience users want, how and when they want it: consistently and reliably. Constant pressure systems accommodate a range of flow demands so homeowners and end users can consistently get the water delivery they expect, even if their usage fluctuates.

In comparison to a traditional water system, where water pressure decreases as water demand changes, a constant pressure system eliminates these pressure fluctuations -- no matter how many faucets or water appliances you need to run at the same time.



THE SIMPLIFIED SOLUTION TO UPGRADE: THE SUBDRIVE FAMILY

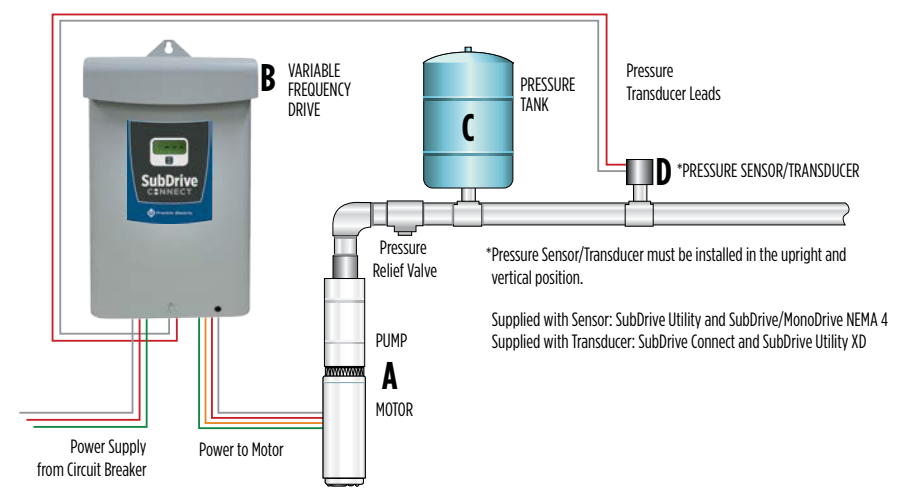
From residential to agricultural and commercial applications, Franklin Electric's SubDrive family of variable frequency drives offers a cost-effective, easy-to-install upgrade to traditional systems. Simply wire up the unit, flip a switch or two, and you instantly have motor protection, pressure boosting, and constant pressure delivery. The SubDrive family offers a range of motor voltage and horsepower ratings to meet a variety of submersible and above ground pumping system application needs.

FEATURES & BENEFITS

- **Designed for Water Systems, Optimized for Constant Pressure:** Designed specifically for water pumping applications, the SubDrive family of drives delivers unique features tailored to your installation needs.
- **Simple Installation:** The easy-to-install platform uses an array of setup, monitoring, and assisted troubleshooting solutions to help you save time during initial setup and servicing.
- **Versatility for Multiple Applications:** Whether you need a complete packaged solution or a drive to upgrade an existing job, find an extensive catalog of product solutions that fulfills a variety of application needs up to 30 horsepower.
- **Smaller Footprint, Smarter Use of Space:** Compact self-contained enclosure designs are ideal for wall-mounting and can be used indoors or outside.
- **Fully Supported:** Comes fully supported by the industry-leading technical support professionals and field service engineers

APPLICATIONS

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



SUBDRIVE QUICKPAK

Franklin Electric's SubDrive QuickPAK is a popular system-solution designed to simplify the selection and installation of a constant pressure system based on performance requirements of the application. This all-in-one package ensures you maximize performance by pairing Franklin Electric's proven portfolio of submersible pumps with our legendary motors and engineered drives.

Find a solution for every challenge with this wide array of compact and reliable options designed to match the requirements of jobs up to 90 gpm and 5 horsepower.

FEATURES & BENEFITS

- **Designed for Water Systems, Optimized for Constant Pressure.** Designed specifically for water pumping applications, SubDrive QuickPAK delivers unique features:
 - Provides consistent water pressure across a system, eliminating fluctuations
 - Soft start maximizes system life
 - Advanced filtering removes radio frequency interference
 - Power Factor Correction that optimizes the system for a wider performance range

Additional built-in protections include:

- Underload (Dry-run) with customizable sensitivity
- Overload / locked pump
- Broken pipe detection
- Output short circuit and open circuit
- Undervoltage
- Electrical surge
- Overheated controller

Simple Installation, Easy Selection

- Select a system quickly based on flow and total dynamic head requirements
- Motor, pump and drive all in one package
- The easy-to-install platform uses an array of setup and assisted troubleshooting solutions to help you save time during installation and servicing

Versatility for Multiple Applications

- Find a solution for every challenge with flow rate options from 5 up to 90 gpm and horsepower ranges up to 5 horsepower, 3-phase or 1-phase, 3-wire motor options

System optimized with SubDrive Connect:

- Deliver integrated connectivity and compatibility with our FE Connect mobile app for advanced settings and monitoring
- Pressure transducer included for pressure display
- Comes standard with a self-contained NEMA 3R enclosure that can be used indoors or outside since the drive provides a degree of protection against falling rain or sleet
- Offers options powered by 4" MagForce High Efficiency Motor's permanent magnet technology

System optimized with SubDrive NEMA 4:

- Comes standard with a self-contained NEMA 4 enclosure that offers robust protection against harsh environmental conditions
- Includes traditional pressure sensor

Smaller Footprint, Smarter Use of Space:

- Compact drive design is ideal for wall-mounting; works with small pressure tanks or existing larger tanks.

Fully Supported:

- Comes fully supported by the industry-leading technical support professionals and field service engineers

High Efficiency solutions available



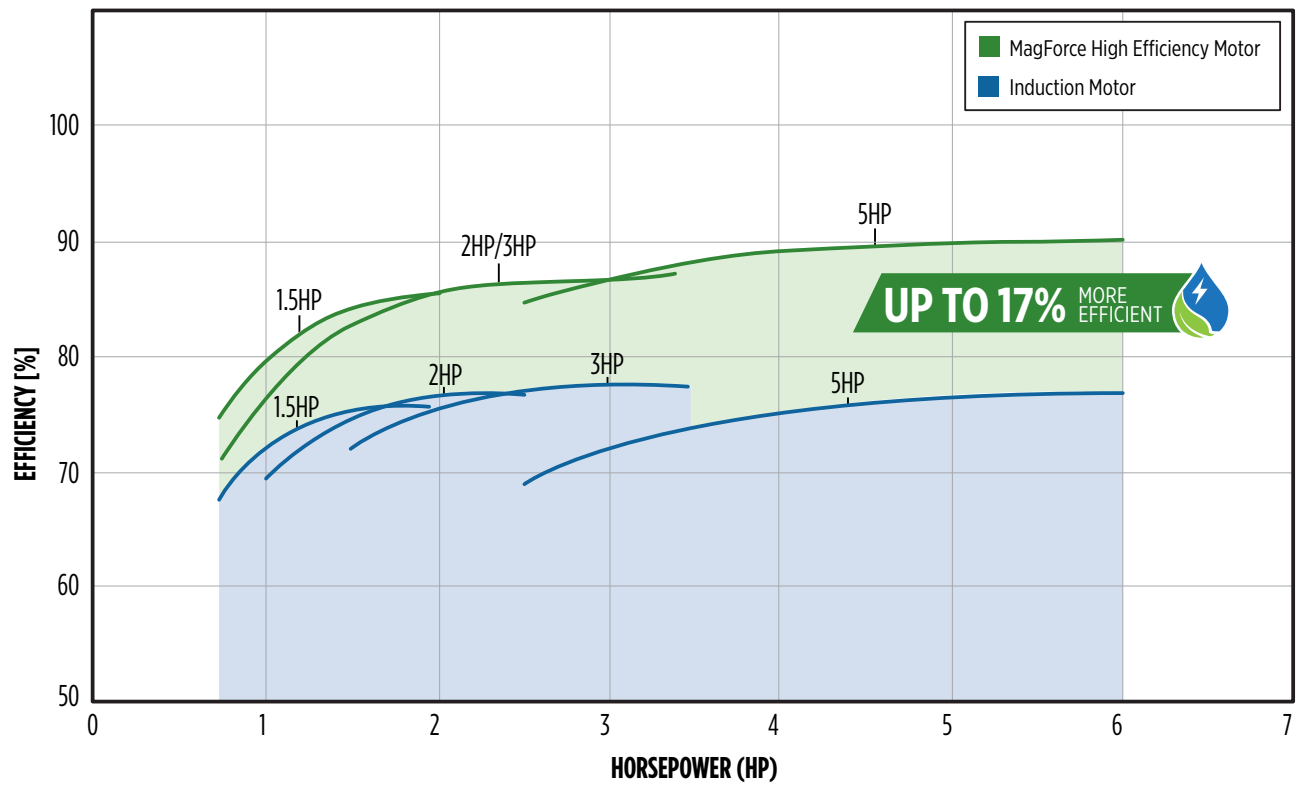
SUBDRIVE QUICKPAK POWERED BY MAGFORCE HIGH EFFICIENCY MOTORS

When powered by a 4-inch MagForce High Efficiency Motor, SubDrive QuickPAKs deliver unparalleled performance and increased efficiency combined with the trusted reliability and seamless operation of the legendary Franklin Electric 4-inch, three-phase submersible motor.

DISCOVER GROUNDBREAKING PERFORMANCE & RELIABILITY

- **Unlock Up to 17% More Efficiency***: The 4-inch submersible motor that professionals have trusted for decades now leverages the latest technology to deliver the most power per volume in the industry. (*than the comparable three-phase induction motor)
- **Get Peak Performance While Using the Least Amount of Energy**: Powered by MagForce High Efficiency Motors, these packages achieve the same horsepower rating while performing with the least amount of electricity at any given operational point.

4", THREE-PHASE MOTOR EFFICIENCY COMPARISON – (MAGFORCE HIGH EFFICIENCY MOTOR VS. INDUCTION MOTOR @ 3600 RPM)



HP	Induction Motor Efficiency (%)	MagForce High Efficiency Motor (%)	Efficiency Increase (Points)	Efficiency Increase (%)
1.5	75.4%	84.2%	8.8	11.7%
2	76.6%	85.5%	8.9	11.7%
3	77.6%	86.9%	9.3	12.0%
5	76.4%	89.8%	13.4	17.6%

High Efficiency MagForce motors are 12%-17% more efficient than the comparable 3-phase induction motor.

UNLOCK BENEFITS ON THE JOB SITE



- **Smaller, Lighter & More Powerful Design**: Through increased power density, the total assembly is more compact aiding professionals with ease of transport and installation. In fact, a 5-horsepower motor is 7" shorter and 18 lbs. lighter than traditional systems.

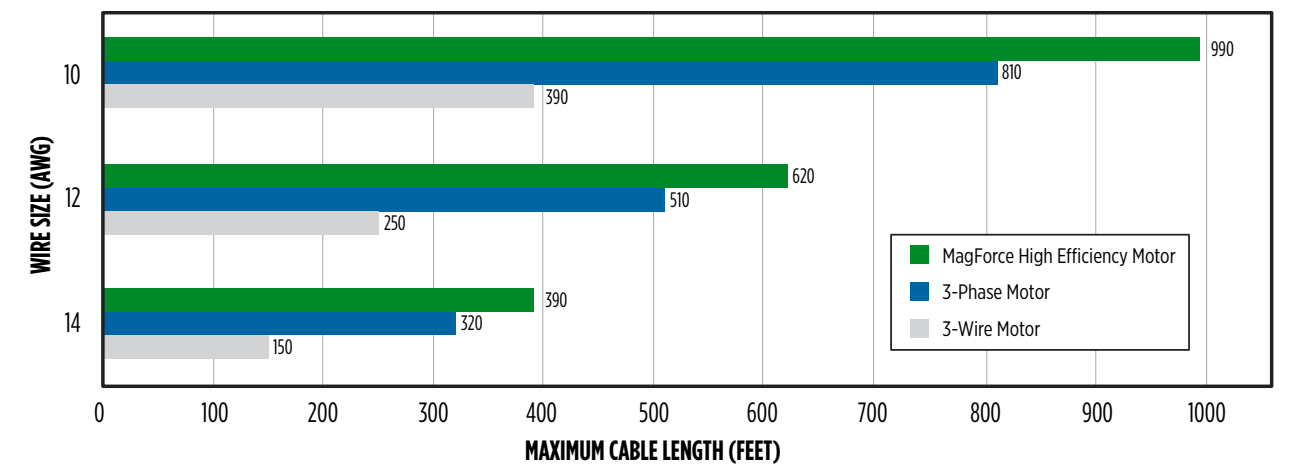
HP	3-Phase Induction Motor		MagForce High Efficiency Motor	
	Length	Weight	Length	Weight
1.5	13.0"	24 lbs.	11.0"	13 lbs.
2	14.1"	28 lbs.	11.9"	16 lbs.
3	16.5"	35 lbs.		
5	22.5"	50 lbs.	15.4"	32 lbs.

POWER DENSITY: HOW TO DELIVER MORE POWER PER VOLUME IN PUMPING SYSTEMS

Increasing power density allows owners and operators to benefit from more streamlined units that are easier to ship and install -- without sacrificing performance or reliability.

- **Go the Distance with Longer Cable Length**: While running on a less current per horsepower rating, MagForce High Efficiency Motors allow on average 22% longer motor cable lengths per wire size, resulting in more cost-effective installations.

CABLE LENGTH ALLOWANCE PER WIRE SIZE



Based on installation requirements for 2 HP, Submersible Motors. For additional information, refer to the Output Wire Sizing information.

SUBDRIVE QUICKPAK WITH THREE-PHASE MOTOR - ORDERING INFORMATION

SYSTEMS OPTIMIZED WITH SUBDRIVE CONNECT

QuickPAK			SubDrive		Pump				MagForce High Efficiency Motor*			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Hydraulics	Description	Part No.	HP	Voltage	Part No.
93806224C	7PMQP-1.5HP-3RC	7	SD20	5870205313C	7	0.75	3200	7SD07S4-PE	93870707	1.5	230V 3-PH	2340556731S
93806425C	7PMQP-2.0HP-3RC	7	SD20	5870205313C	7	1	3200	7SD1S4-PE	93870710	2		2340526731S
93806526C	7PMQP-3.0HP-3RC	7	SD30	5870205403C	7	1.5	3200	7SD1S4-PE	93870715	3		2340526731S
93806234C	10PMQP-1.5HP-3RC	10	SD20	5870205313C	10	0.75	3200	10SD07S4-PE	93871006	1.5		2340556731S
93806435C	10PMQP-2.0HP-3RC	10	SD20	5870205313C	10	1	3200	10SD1S4-PE	93871009	2		2340526731S
93806536C	10PMQP-3.0HP-3RC	10	SD30	5870205403C	10	1.5	Tri-Seal	10SD1S4-PE	93871015	3		2340526731S
93806244C	15PMQP-1.5HP-3RC	15	SD20	5870205313C	15	0.75	Tri-Seal	15SD07S4-PE	93871507	1.5		2340556731S
93806445C	15PMQP-2.0HP-3RC	15	SD20	5870205313C	15	1	Tri-Seal	15SD1S4-PE	93871510	2		2340526731S
93806546C	15PMQP-3.0HP-3RC	15	SD30	5870205403C	15	1.5	Tri-Seal	15SD1S4-PE	93871515	3		2340526731S
93806254C	20PMQP-1.5HP-3RC	20	SD20	5870205313C	20	1	Tri-Seal	20SD1S4-PE	93872010	1.5		2340556731S
93806455C	20PMQP-2.0HP-3RC	20	SD20	5870205313C	20	1	Tri-Seal	20SD1S4-PE	93872010	2		2340526731S
93806556C	20PMQP-3.0HP-3RC	20	SD30	5870205403C	20	2	Tri-Seal	20SD2S4-PE	93872020	3		2340526731S
93806264C	25PMQP-1.5HP-3RC	25	SD20	5870205313C	25	1	Tri-Seal	25SD1S4-PE	93872510	1.5		2340556731S
93806465C	25PMQP-2.0HP-3RC	25	SD20	5870205313C	25	1	Tri-Seal	25SD1S4-PE	93872510	2		2340526731S
93806566C	25PMQP-3.0HP-3RC	25	SD30	5870205403C	25	1.5	Tri-Seal	25SD1S4-PE	93872515	3		2340526731S
93806274C	35PMQP-1.5HP-3RC	35	SD20	5870205313C	35	1	Tri-Seal	35FH1S4-PE	93653505	1.5		2340556731S
93806475C	35PMQP-2.0HP-3RC	35	SD20	5870205313C	35	1	Tri-Seal	35FH1S4-PE	93653505	2		2340526731S
93806576C	35PMQP-3.0HP-3RC	35	SD30	5870205403C	35	1.5	Tri-Seal	35FH1S4-PE	93653507	3		2340526731S
93806586C	60PMQP-3.0HP-3RC	60	SD30	5870205403C	60	2	Tri-Seal	60FH2S4-PE	93656007	3		2340526731S
93806596C	90PMQP-3.0HP-3RC	90	SD30	5870205403C	90	2	Tri-Seal	90FH2S4-PE	93659006	3		2340526731S
93806600C	35PMQP-5.0HP-3RC	35	SD50	5870205503C	35	3	Tri-Seal	35FH3S4-PE	93653512	5		2340543432S
93806601C	45PMQP-5.0HP-3RC	45	SD50	5870205503C	45	3	Tri-Seal	45FH3S4-PE	93654510	5		2340543432S
93806602C	60PMQP-5.0HP-3RC	60	SD50	5870205503C	60	3	Tri-Seal	60FH3S4-PE	93656010	5		2340543432S
93806603C	90PMQP-5.0HP-3RC	90	SD50	5870205503C	90	3	Tri-Seal	90FH3S4-PE	93659008	5		2340543432S

*For replacement only.

OUTPUT WIRE SIZING FOR 4" MAGFORCE HIGH EFFICIENCY MOTOR

Drive Model	Motor Series	HP	SF Amps	AWG 600V Copper Wire Sizes, 75C Insulation, Motor Cable Lengths (in feet)				
				14	12	10	8	6
SubDrive 20	2340556731	1.5	4.8	520	830	1000	-	-
SubDrive 20	2340526731	2	6.4	390	620	990	1000	-
SubDrive 30		3	8.1	300	490	780	1000	-
SubDrive 50	2340543432	5	13.9	180	290	460	700	1000

MODEL NOMENCLATURE

XX PM QP - X.XHP - XX C

- C = Connect Capability
- Enclosure Type: 3R, N4
- Motor Horsepower: 0.5, 0.75, 1.0, 1.5, 2.0, 3.0, 5.0 hp
- QuickPAK
- PM = SubDrive w/MagForce High Efficiency Motor
- SD = SubDrive w/three-phase motor; 3W = SubDrive w/single-phase, three wire motor
- Pump Flow: 5, 7, 10, 15, 20, 25, 35, 60, 90 gpm

Example:
90PMQP-3.0HP-3RC = 90 gpm, SubDrive QuickPAK, 3 hp MagForce High Efficiency Motor, 3R Enclosure, Connect Capability

SYSTEMS OPTIMIZED WITH SUBDRIVE CONNECT - TO BE DISCONTINUED

QuickPAK			Subdrive		Pump				Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Hydraulics	Description	Part No.	HP	Voltage	Part No.
93805224C	7SDQP-1.5HP-3RC	7	SD20	5870205313C	7	0.75	3200	7SD07S4-PE	93870707	1.5	230V 3-PH	2345149203GS
93805425C	7SDQP-2.0HP-3RC	7	SD20	5870205313C	7	1	3200	7SD1S4-PE	93870710	2		2343159204GS
93805526C	7SDQP-3.0HP-3RC	7	SD30	5870205403C	7	1.5	3200	7SD1S4-PE	93870715	3		2343162605G
93805234C	10SDQP-1.5HP-3RC	10	SD20	5870205313C	10	0.75	3200	10SD07S4-PE	93871006	1.5		2345149203GS
93805435C	10SDQP-2.0HP-3RC	10	SD20	5870205313C	10	1	3200	10SD1S4-PE	93871009	2		2343159204GS
93805536C	10SDQP-3.0HP-3RC	10	SD30	5870205403C	10	2	Tri-Seal	10SD2S4-PE	93871020	3		2343162605G
93805244C	15SDQP-1.5HP-3RC	15	SD20	5870205313C	15	0.75	Tri-Seal	15SD07S4-PE	93871507	1.5		2345149203GS
93805445C	15SDQP-2.0HP-3RC	15	SD20	5870205313C	15	1	Tri-Seal	15SD1S4-PE	93871510	2		2343159204GS
93805546C	15SDQP-3.0HP-3RC	15	SD30	5870205403C	15	1.5	Tri-Seal	15SD1S4-PE	93871515	3		2343162605G
93805254C	20SDQP-1.5HP-3RC	20	SD20	5870205313C	20	1	Tri-Seal	20SD1S4-PE	93872010	1.5		2345149203GS
93805455C	20SDQP-2.0HP-3RC	20	SD20	5870205313C	20	1	Tri-Seal	20SD1S4-PE	93872010	2		2343159204GS
93805566C	20SDQP-3.0HP-3RC	20	SD30	5870205403C	20	2	Tri-Seal	20SD2S4-PE	93872020	3		2343162605G
93805264C	25SDQP-1.5HP-3RC	25	SD20	5870205313C	25	1	Tri-Seal	25SD1S4-PE	93872510	1.5		2345149203GS
93805465C	25SDQP-2.0HP-3RC	25	SD20	5870205313C	25	1	Tri-Seal	25SD1S4-PE	93872510	2		2343159204GS
93805566C	25SDQP-3.0HP-3RC	25	SD30	5870205403C	25	1.5	Tri-Seal	25SD1S4-PE	93872515	3		2343162605G
93805274C*	35SDQP-1.5HP-3RC	35	SD20	5870205313C	35	1	Tri-Seal	35FH1S4-PE	93653505	1.5		2345149203GS
93805475C*	35SDQP-2.0HP-3RC	35	SD20	5870205313C	35	1	Tri-Seal	35FH1S4-PE	93653505	2		2343159204GS
93805576C*	35SDQP-3.0HP-3RC	35	SD30	5870205403C	35	1.5	Tri-Seal	35FH1S4-PE	93653507	3		2343162605G
93805586C*	60SDQP-3.0HP-3RC	60	SD30	5870205403C	60	2	Tri-Seal	35FH2S4-PE	93653509	3		2343162605G
93805596C*	90SDQP-3.0HP-3RC	90	SD30	5870205403C	90	2	Tri-Seal	35FH2S4-PE	93653509	3		2343162605G

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

SYSTEMS OPTIMIZED WITH SUBDRIVE NEMA 4

QuickPAK			Subdrive		Pump				Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Hydraulics	Description	Parts No.	HP	Voltage	Part No.
93800760	7SDQP-1.5HP-N4	7	SD75-N4	5870203384	7	0.75	3200	7SD07S4-PE	93870707	1.5	230V 3-PH	2345149203GS
93800772	7SDQP-2.0HP-N4	7	SD100-N4	5870204104	7	1	3200	7SD1S4-PE	93870710	2		2343159204GS
93800710	7SDQP-3.0HP-N4	7	SD150-N4	5870204154	7	1.5	3200	7SD1S4-PE	93870715	3		2343162605G
93801002	10SDQP-1.5HP-N4	10	SD75-N4	5870203384	10	0.75	3200	10SD07S4-PE	93871006	1.5		2345149203GS
93801062	10SDQP-2.0HP-N4	10	SD100-N4	5870204104	10	1	3200	10SD1S4-PE	93871009	2		2343159204GS
93801004	10SDQP-3.0HP-N4	10	SD150-N4	5870204154	10	2	Tri-Seal	10SD2S4-PE	93871020	3		2343162605G
93801502	15SDQP-1.5HP-N4	15	SD75-N4	5870203384	15	0.75	Tri-Seal	15SD07S4-PE	93871507	1.5		2345149203GS
93801511	15SDQP-2.0HP-N4	15	SD100-N4	5870204104	15	1	Tri-Seal	15SD1S4-PE	93871510	2		2343159204GS
93801504	15SDQP-3.0HP-N4	15	SD150-N4	5870204154	15	1.5	Tri-Seal	15SD1S4-PE	93871515	3		2343162605G
93802002	20SDQP-1.5HP-N4	20	SD75-N4	5870203384	20	1	Tri-Seal	20SD1S4-PE	93872010	1.5		2345149203GS
93802036	20SDQP-2.0HP-N4	20	SD100-N4	5870204104	20	1	Tri-Seal	20SD1S4-PE	93872010	2		2343159204GS
93802004	20SDQP-3.0HP-N4	20	SD150-N4	5870204154	20	2	Tri-Seal	20SD2S4-PE	93872020	3		2343162605G
93802502	25SDQP-1.5HP-N4	25	SD75-N4	5870203384	25	1	Tri-Seal	25SD1S4-PE	93872510	1.5		2345149203GS
93802530	25SDQP-2.0HP-N4	25	SD100-N4	5870204104	25	1	Tri-Seal	25SD1S4-PE	93872510	2		2343159204GS
93802504	25SDQP-3.0HP-N4	25	SD150-N4	5870204154	25	1.5	Tri-Seal	25SD1S4-PE	93872515	3		2343162605G
93803514*	35SDQP-1.5HP-N4	35	SD75-N4	5870203384	35	1	Tri-Seal	35FH1S4-PE	93653505	1.5		2345149203GS
93803520*	35SDQP-2.0HP-N4	35	SD100-N4	5870204104	35	1	Tri-Seal	35FH1S4-PE	93653505	2		2343159204GS
93803528*	35SDQP-3.0HP-N4	35	SD150-N4	5870204154	35	1.5	Tri-Seal	35FH1S4-PE	93653507	3		2343162605G
93806016*	60SDQP-3.0HP-N4	60	SD150-N4	5870204154	60	2	Tri-Seal	35FH2S4-PE	93653509	3		2343162605G
93809010*	90SDQP-3.0HP-N4	90	SD150-N4	5870204154	90	2	Tri-Seal	35FH2S4-PE	93653509	3		2343162605G

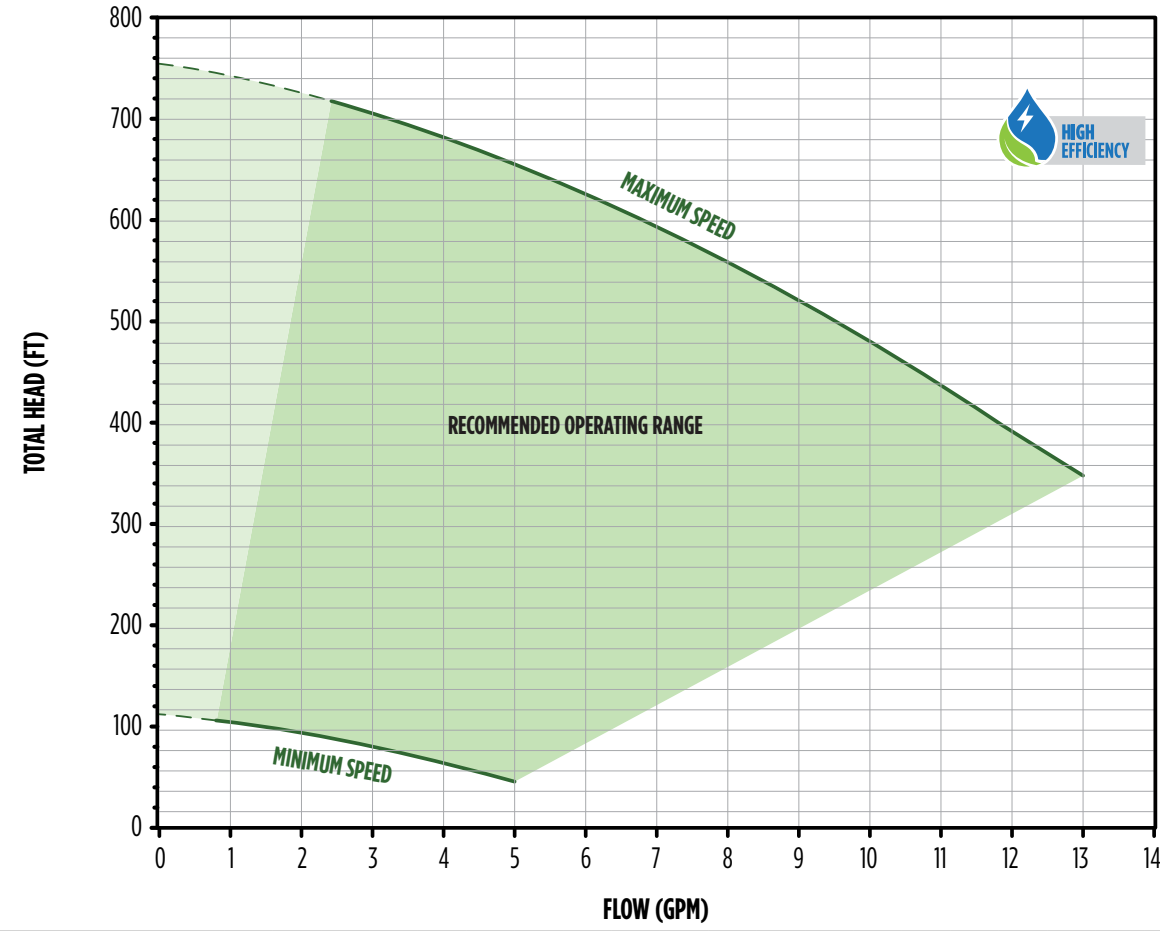
*High capacity pumps, 35 US gpm (100 lpm) and higher, in QuickPAKs are not supplied with an internal check valve.

OUTPUT WIRE SIZING FOR INDUCTION MOTOR

Drive Model	Motor Series	HP	SF Amps	AWG 600V Copper Wire Sizes, 75C Insulation, Motor Cable Lengths (in feet)					
				14	12	10	8	6	4
SubDrive 20	234 514 xxxx	1.5	5.9	420	670	1000	-	-	-
SubDrive 20	234 315 xxxx	2	8.1	320	510	810	1000	-	-
SubDrive 30	234 316 xxxx	3	10.9	240	390	620	990	1000	-
SubDrive 50	234 317 xxxx	5	17.8	-	230	370	590	920	1000

7PMQP-1.5HP-3RC

SD20 | 7 GPM, 0.75 HP PUMP END | 1.5 HP MAGFORCE HIGH EFFICIENCY MOTOR

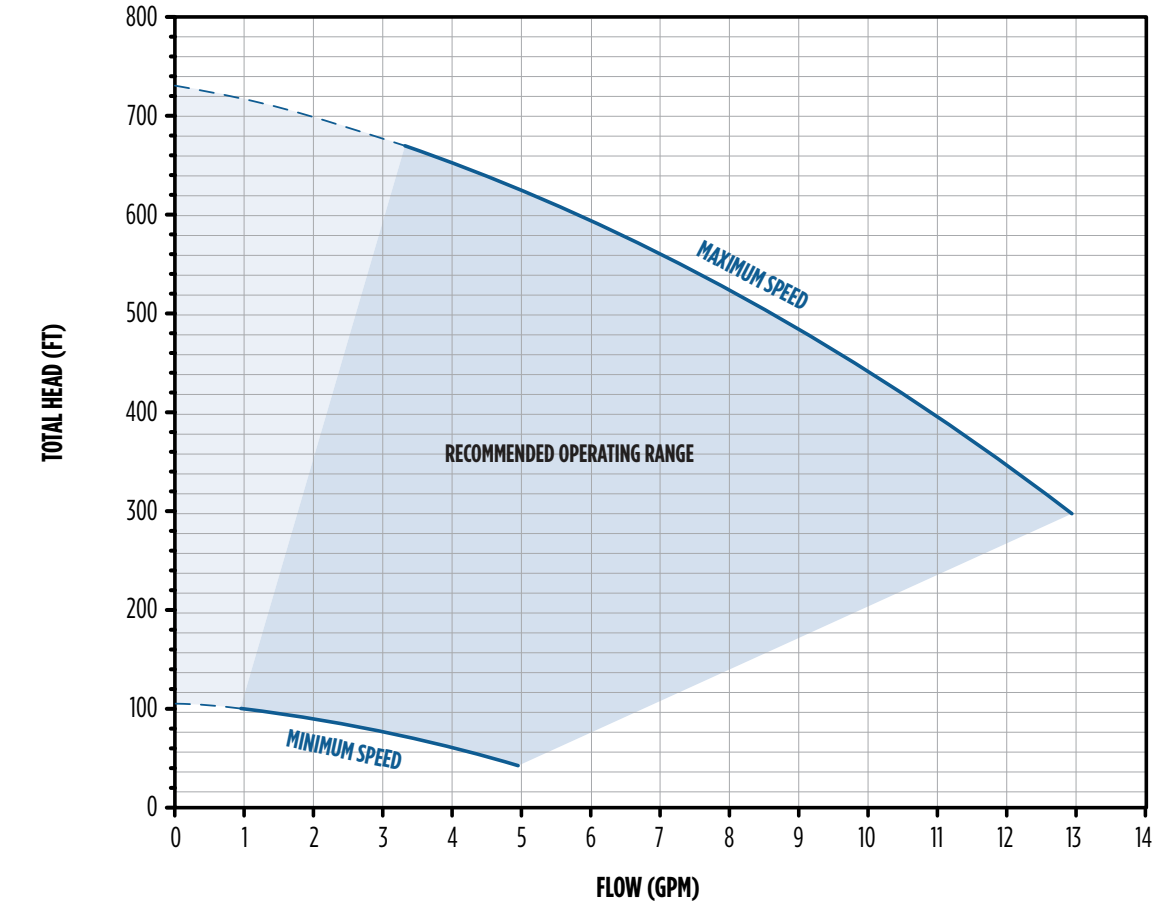


Model	PSI	Depth to Pumping Water Level (ft)																							
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750
7PMQP-1.5HP-3RC	0																11	10	9	8	7	5	3		
	10															11	10	9	8	7	6	4	2		
	20														11	10	9	8	7	5	3				
	30														11	10	9	8	7	6	4	2			
	40													11	10	9	8	7	7	5	3				
	50													11	10	9	8	7	6	4	2				
	60												11	10	9	8	7	6	5	3	1				
	70											11	10	9	8	6	5	4	2						
	80										11	10	9	8	7	6	4	3	1						
Shut-off PSI		329	320	312	303	294	286	277	268	260	251	242	225	208	190	173	156	138	121	112	91	69	47	26	4

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

7SDQP-1.5HP-3RC/N4

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

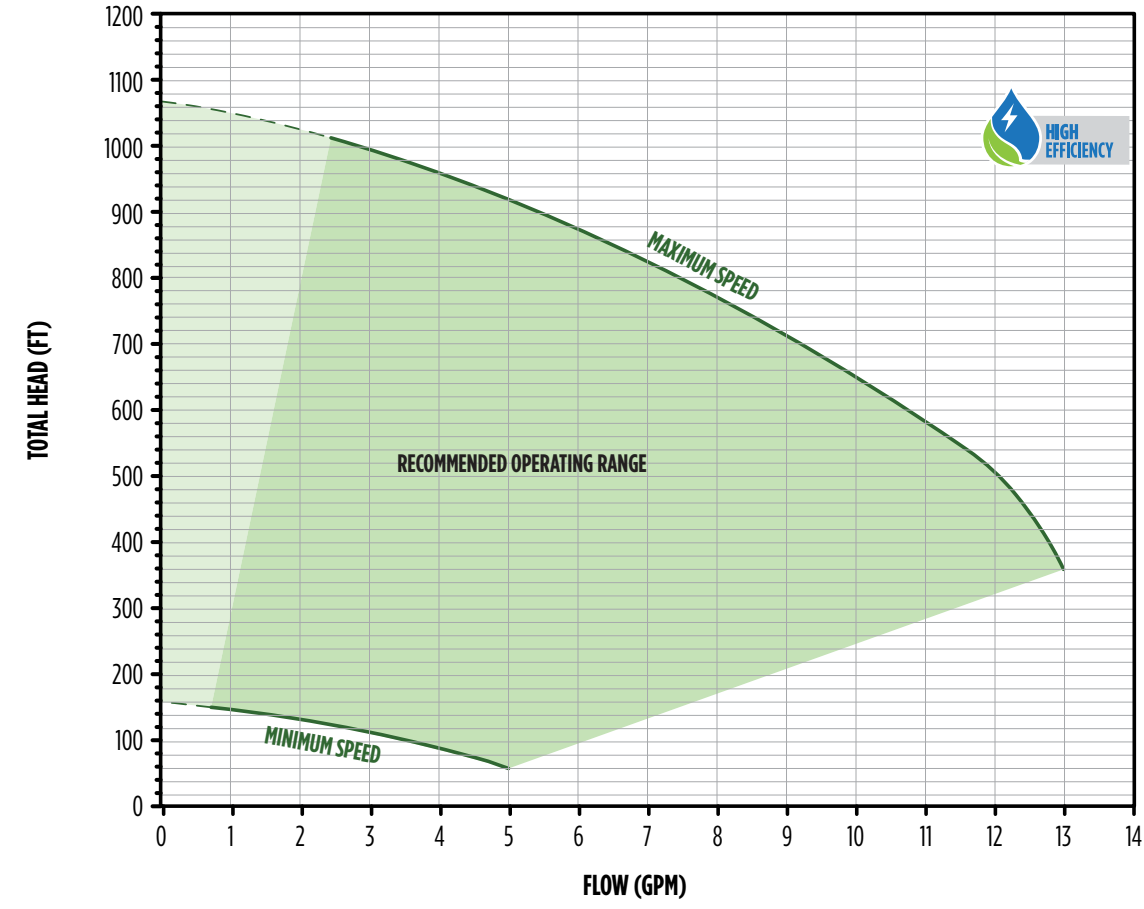


HP	PSI	Depth to Pumping Water Level (ft)																											
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700					
1.5HP	0																				11	11	10	9	8	7	6	4	2
	10																				11	10	10	9	8	8	6	5	3
	20																			11	10	10	9	8	7	6	4	2	
	30																			11	10	9	8	7	6	5	3	1	
	40																			11	10	9	8	7	6	6	4	2	
	50																			11	10	10	9	8	7	6	5	3	1
	60																			11	10	9	8	7	6	5	4	2	
	70																			11	10	10	9	8	7	5	4	3	1
	80																			11	10	10	9	8	7	6	5	3	2
Shut-off PSI		320	312	303	294	286	277	268	260	251	242	234	216	199	182	165	147	130	113	104	82	61	39	17					

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

7PMQP-2.0HP-3RC

SD20 | 7 GPM, 1 HP PUMP END | 2 HP MAGFORCE HIGH EFFICIENCY MOTOR

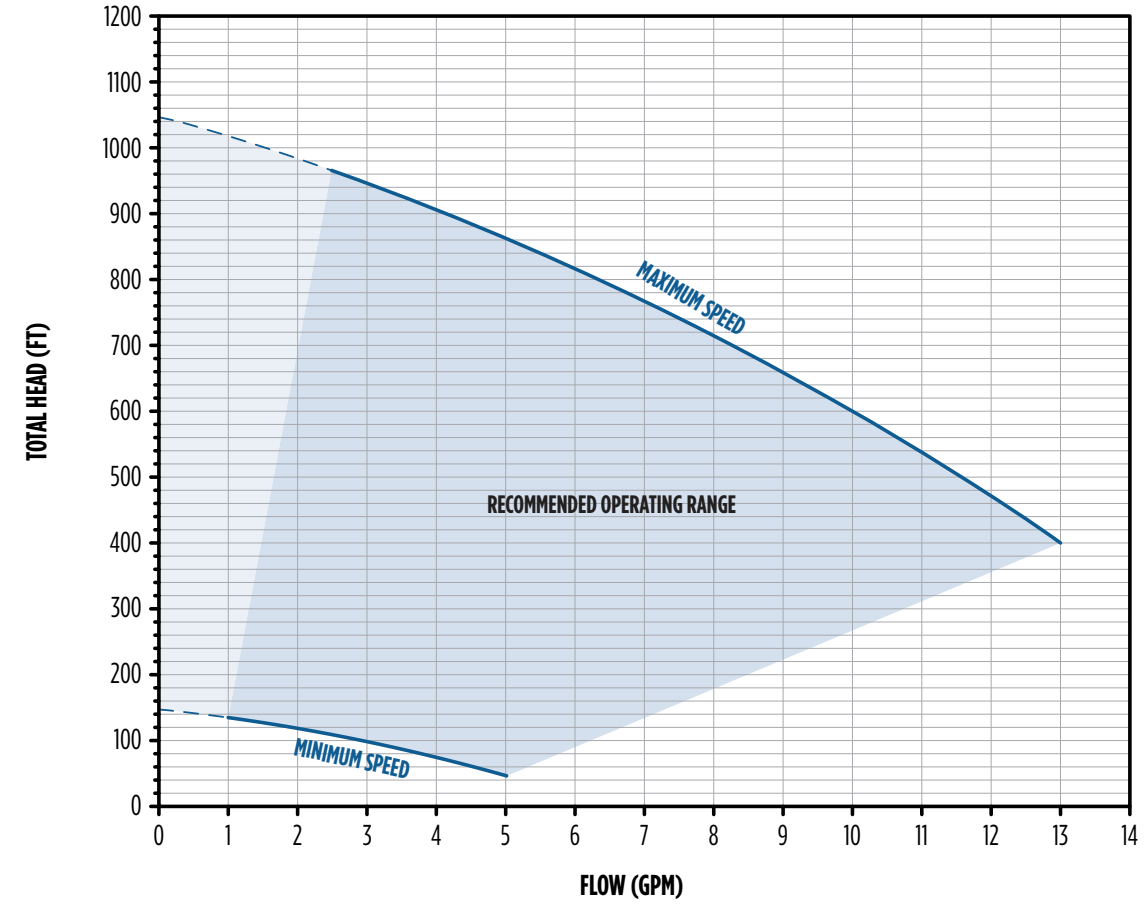


Model	PSI	Depth to Pumping Water Level (ft)																													
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000	1050
7PMQP-2.0HP-3RC	0																			11	11	10	9	8	7	6	5	4	3	1	
	10																			11	10	9	9	8	7	6	5	4	3	2	
	20																		11	11	10	9	8	7	6	5	4	3	1		
	30																	11	11	10	9	9	8	7	6	5	4	3	2		
	40																11	11	11	10	9	8	7	6	5	4	3	1			
	50																			11	11	10	10	9	8	7	6	5	4	2	
	60																11	11	10	10	9	8	7	7	5	4	3	1			
	70																11	10	10	10	9	8	7	6	5	4	2				
	80																11	11	10	10	9	8	8	7	6	4	3	1			
Shut-off PSI		458	450	441	432	424	415	406	398	389	380	372	354	337	320	303	285	268	251	242	220	199	177	155	134	112	90	69	47	25	4

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

7SDQP-2.0HP-3RC/N4

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

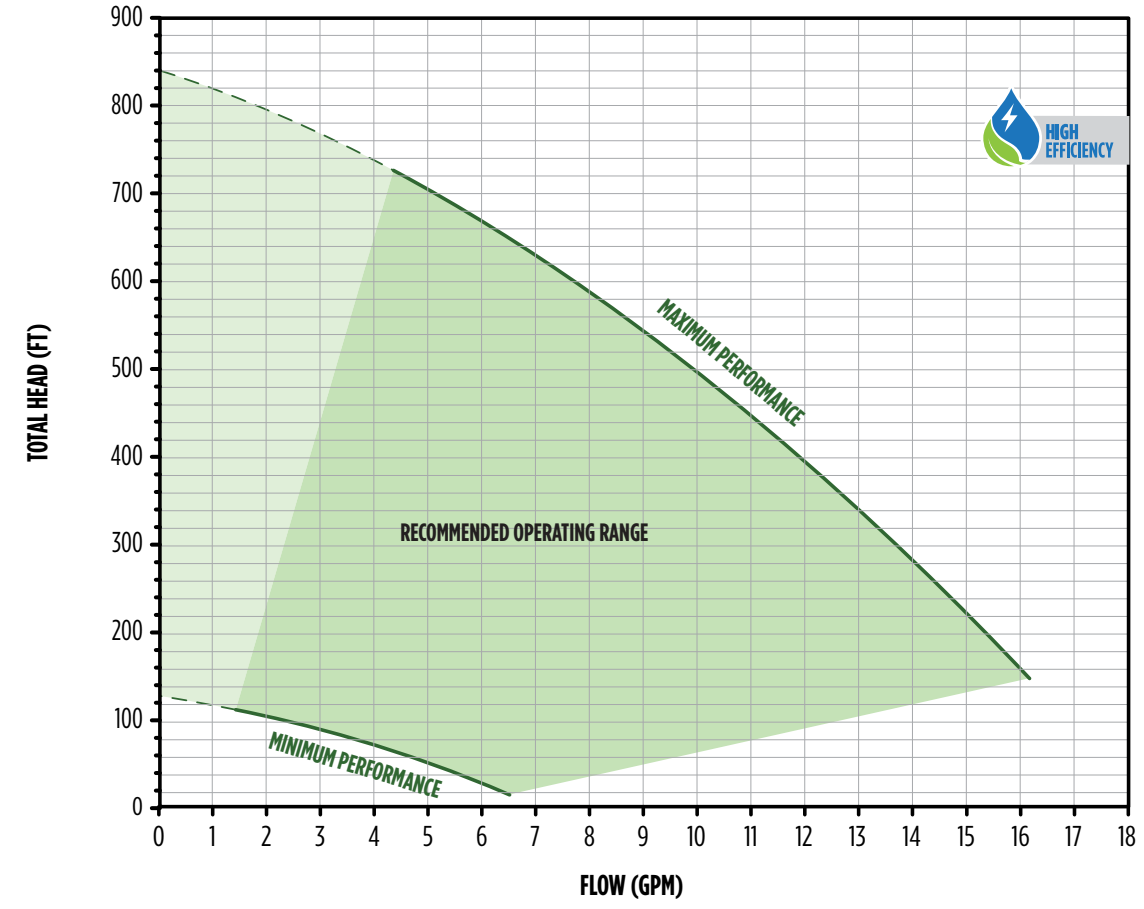


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																												
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000
2	0																				11	10	9	8	7	7	5	4	3	2
	10																				11	10	9	8	7	6	5	4	3	2
	20																			11	10	9	8	8	7	6	4	3	2	
	30																			11	10	9	8	7	6	5	4	3		
	40																			11	10	9	9	8	7	6	4	3	2	
	50																			11	10	10	10	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 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

10PMQP-1.5HP-3RC

SD20 | 10 GPM, 0.75 HP PUMP END | 1.5 HP MAGFORCE HIGH EFFICIENCY MOTOR

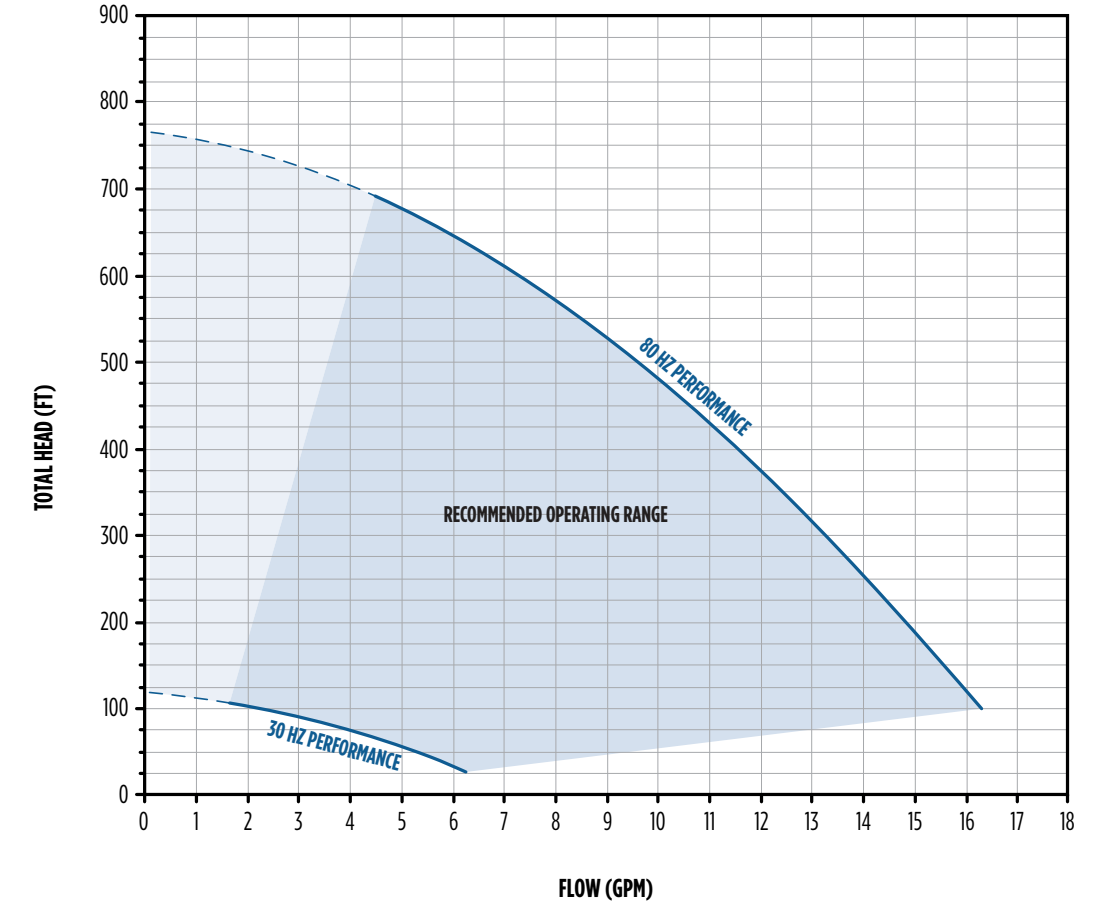


Model	PSI	Depth to Pumping Water Level (ft)																								
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800
10PMQP-1.5HP-3RC	0							16	16	16	15	15	14	14	13	12	12	11	10	10	9	7	6	5	3	1
	10					16	16	16	16	15	15	15	14	14	13	12	11	10	10	9	8	7	6	4	2	
	20				16	16	16	16	15	15	15	14	14	13	12	11	11	10	9	9	8	6	5	3	2	
	30			16	16	16	15	15	15	15	14	14	14	13	13	12	11	10	9	9	8	7	6	4	3	1
	40		16	16	16	15	15	15	15	14	14	14	14	13	12	11	11	10	9	8	8	6	5	4	2	
	50	16	16	16	15	15	15	14	14	14	14	13	13	12	12	11	10	9	8	8	7	6	4	3	1	
	60	16	16	15	15	15	14	14	14	14	13	13	13	12	11	10	10	9	8	7	6	5	4	2		
	70	16	15	15	15	14	14	14	14	13	13	13	12	12	11	10	9	8	7	6	6	4	3	1		
	80	15	15	15	14	14	14	13	13	13	12	12	11	10	10	9	8	7	6	5	4	2				
Shut-off PSI		358	349	341	332	324	315	306	298	289	280	272	254	237	220	202	185	168	150	142	120	98	77	55	33	12

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

10SDQP-1.5HP-3RC/N4

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

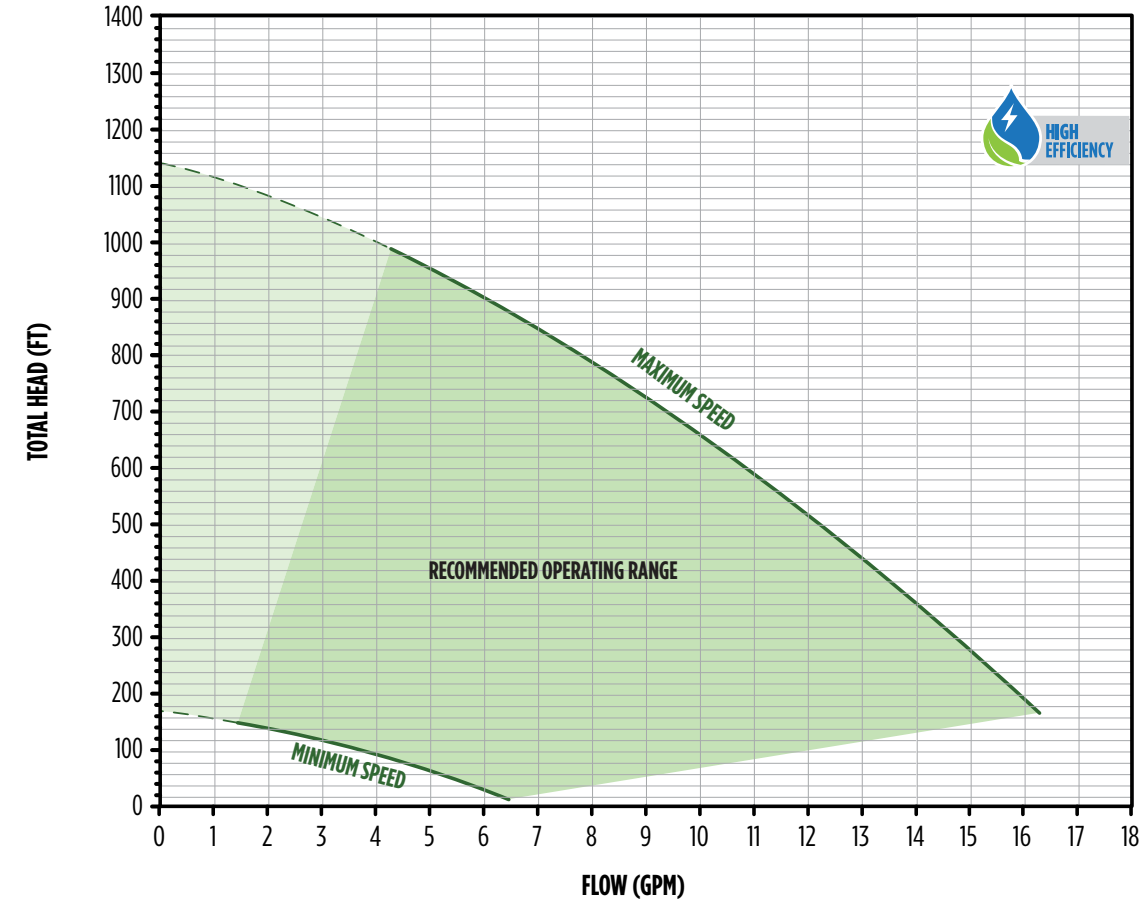


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																							
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650					
1.5	0							16	16	16	16	15	15	14	13	13	12	11	10	8	7	6			
	10						16	16	16	16	15	15	15	14	13	12	11	10	9	8	7	5			
	20					16	16	15	15	15	15	14	13	13	12	11	10	9	8	7	6				
	30			16	16	16	15	15	15	15	14	14	14	13	12	11	10	9	8	7	5				
	40		16	16	16	15	15	15	15	14	14	14	14	13	12	11	10	9	7	6					
	50	16	16	16	15	15	15	14	14	14	14	13	13	12	11	10	9	8	7	6					
	60	16	16	15	15	15	15	14	14	14	14	13	13	12	11	10	9	8	6	5					
	70	15	15	15	15	14	14	14	14	13	13	13	12	11	10	9	8	7	6						
	80	15	15	14	14	14	14	13	13	13	12	11	10	9	8	6	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 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

10PMQP-2.0HP-3RC

SD20 | 10 GPM, 1 HP PUMP END | 2 HP MAGFORCE HIGH EFFICIENCY MOTOR

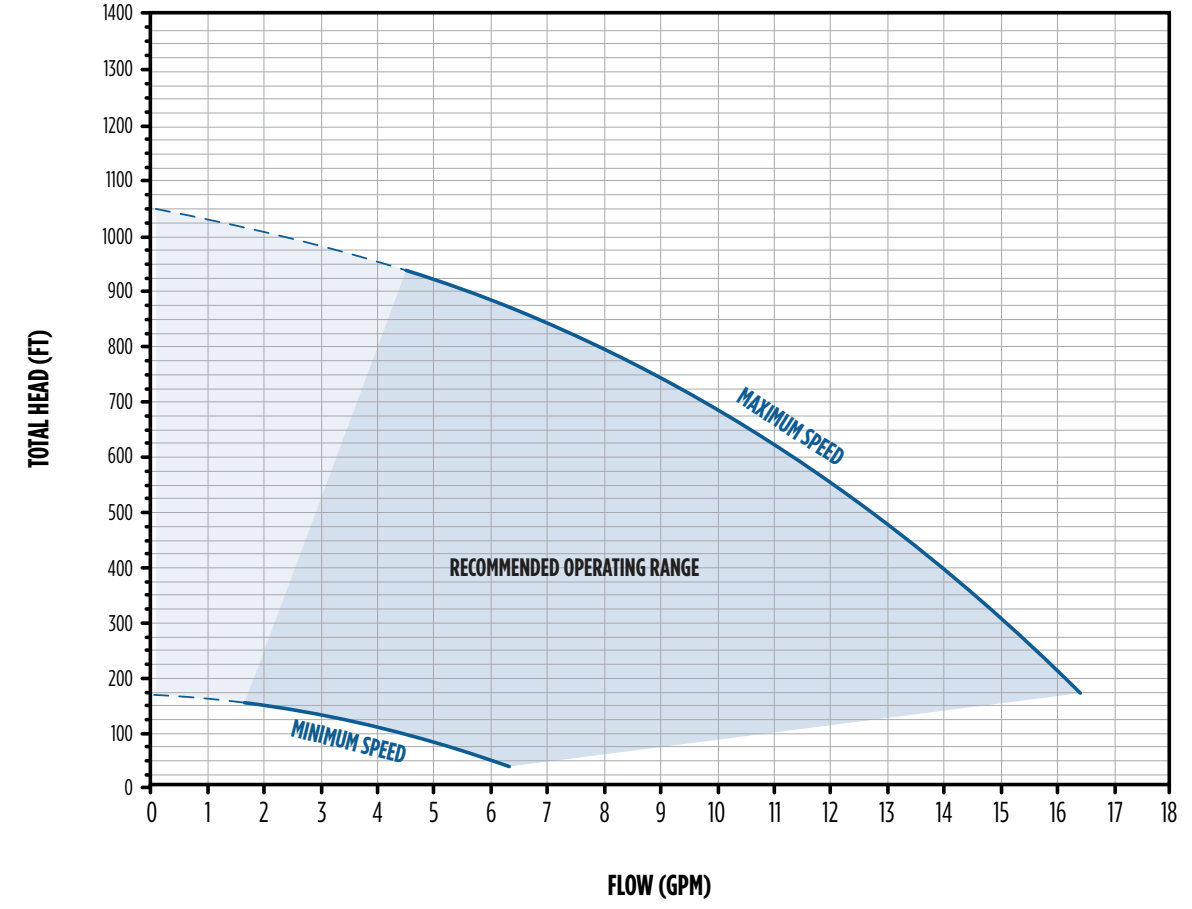


Model	PSI	Depth to Pumping Water Level (ft)																															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	
10PMQP-2.0HP-3RC	0								16	16	16	16	15	15	14	14	14	13	13	12	12	11	11	10	9	8	8	7	6	5	4	2	1
	10							16	16	16	16	15	15	15	14	14	13	13	12	12	11	11	10	10	9	8	7	6	5	4	3	2	
	20						16	16	16	16	15	15	15	14	14	13	13	12	12	11	11	10	10	9	8	8	7	6	5	4	3	1	
	30				16	16	16	16	16	15	15	15	14	14	13	13	12	12	11	11	10	10	9	8	7	6	5	4	3	2	1		
	40			16	16	16	16	16	15	15	15	15	14	14	13	13	12	12	11	11	10	9	8	8	7	6	5	4	3	1			
	50		16	16	16	16	16	15	15	15	15	14	14	13	13	12	12	11	11	10	10	9	8	7	6	5	4	3	2	1			
	60	16	16	16	16	15	15	15	15	14	14	14	13	13	12	11	11	10	10	9	9	8	7	6	5	4	3	1					
	70	16	16	16	15	15	15	15	14	14	14	13	13	12	12	11	11	10	10	9	8	7	6	5	4	3	2	1					
	80	16	16	15	15	15	15	14	14	14	14	13	13	12	12	11	11	10	10	9	9	8	7	6	5	4	3	2					
Shut-off PSI		486	477	468	460	451	442	434	425	416	408	399	382	364	347	330	312	295	278	269	248	226	204	183	161	139	118	96	74	53	31	9	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

10SDQP-2.0HP-3RC/N4

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

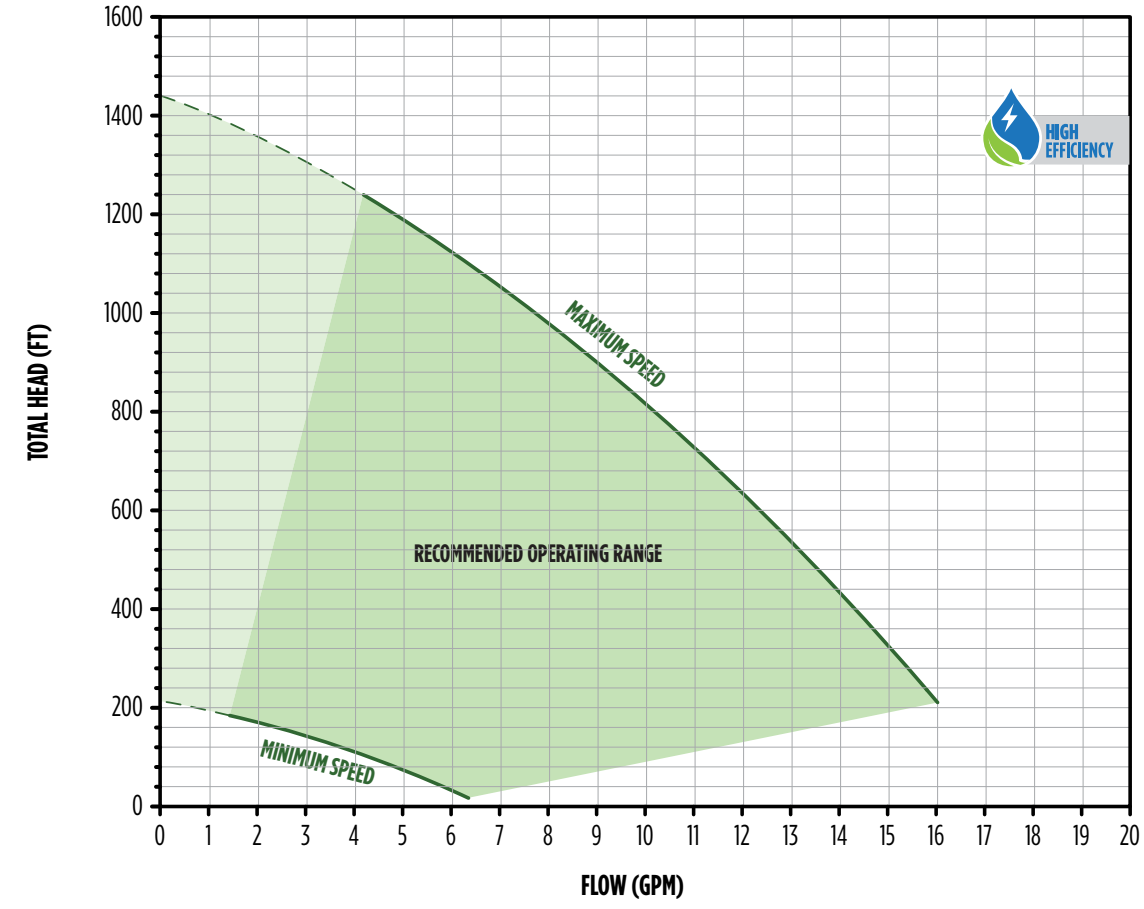


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900											
2	0																																			
	10																																			
	20																																			
	30																																			
	40																																			
	50																																			
	60																																			
	70																																			
	80																																			
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 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

10PMQP-3.0HP-3RC

SD30 | 10 GPM, 1.5 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

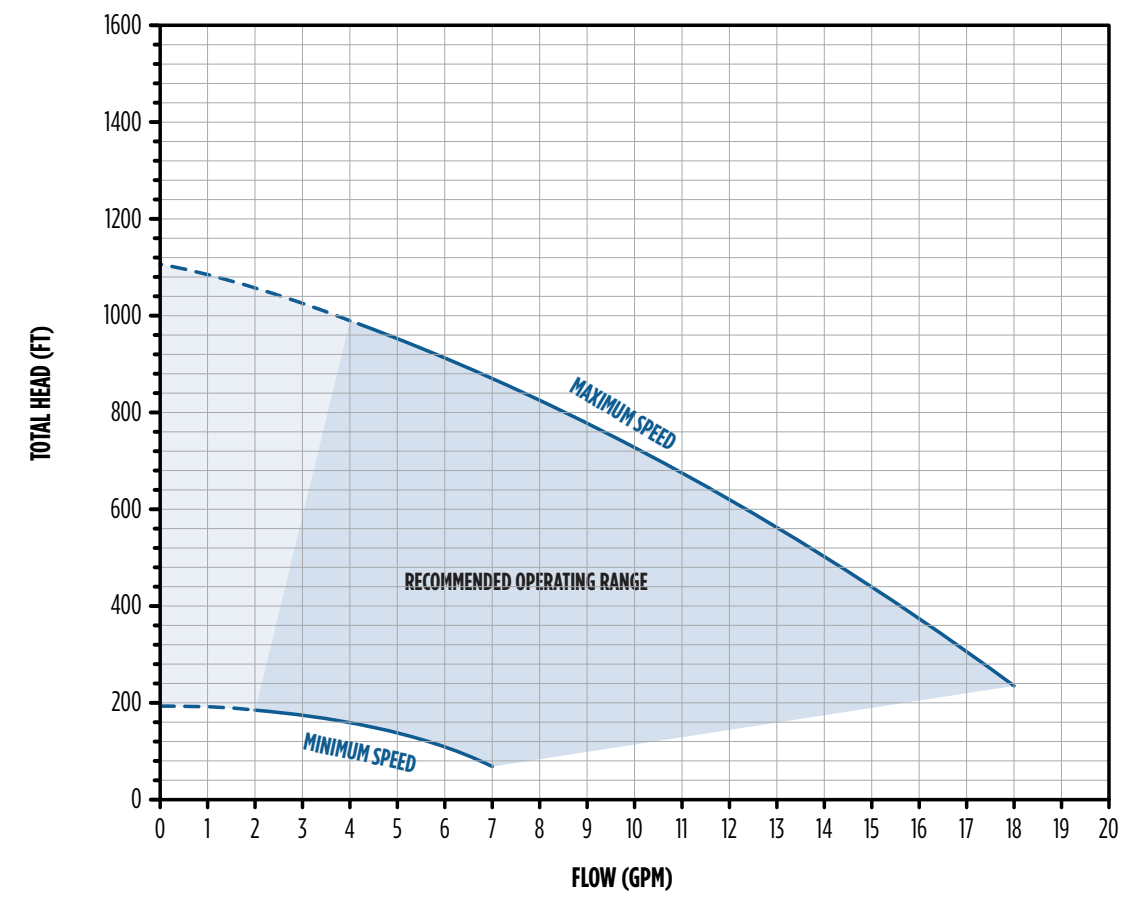


Model	PSI	Depth to Pumping Water Level (ft)																																				
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
10 PMQP- 3.0 HP- 3RC	0						16	16	16	16	16	15	15	15	14	14	14	13	13	13	12	12	11	11	10	10	9	9	8	7	7	6	5	5	4	3	2	1
	10					16	16	16	16	16	16	15	15	15	14	14	14	13	13	13	12	12	11	11	10	10	9	8	8	7	6	6	5	4	3	2	1	
	20				16	16	16	16	16	16	16	15	15	15	14	14	14	13	13	13	12	12	11	11	10	10	9	9	8	7	7	6	5	5	4	3	2	1
	30			16	16	16	16	16	16	16	15	15	15	15	14	14	14	13	13	13	12	12	11	11	10	10	9	8	8	7	7	6	5	4	3	2	1	
	40		16	16	16	16	16	16	16	16	15	15	15	15	14	14	14	13	13	13	12	12	11	11	10	10	9	9	8	8	7	6	5	5	4	3	2	1
	50	16	16	16	16	16	16	16	15	15	15	15	15	15	14	14	14	13	13	13	12	12	11	11	10	10	9	9	8	7	7	6	5	4	3	2	1	
	60	16	16	16	16	16	15	15	15	15	15	15	15	14	14	14	13	13	13	12	12	12	11	11	10	9	9	8	8	7	6	5	5	4	3	2	1	
	70	16	16	16	16	15	15	15	15	15	15	15	14	14	14	14	13	13	13	12	12	12	11	11	10	10	9	9	8	7	7	6	5	4	4	3	2	1
	80	16	16	16	15	15	15	15	15	15	15	14	14	14	14	13	13	13	12	12	12	11	11	10	9	9	8	8	7	6	6	5	4	3	2	1		
Shut-off PSI	612	604	595	586	578	569	560	552	543	534	526	508	491	474	456	439	422	404	396	374	352	331	309	288	266	244	223	201	179	158	136	114	93	71	49	28	6	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

10SDQP-3.0HP-3RC/N4

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

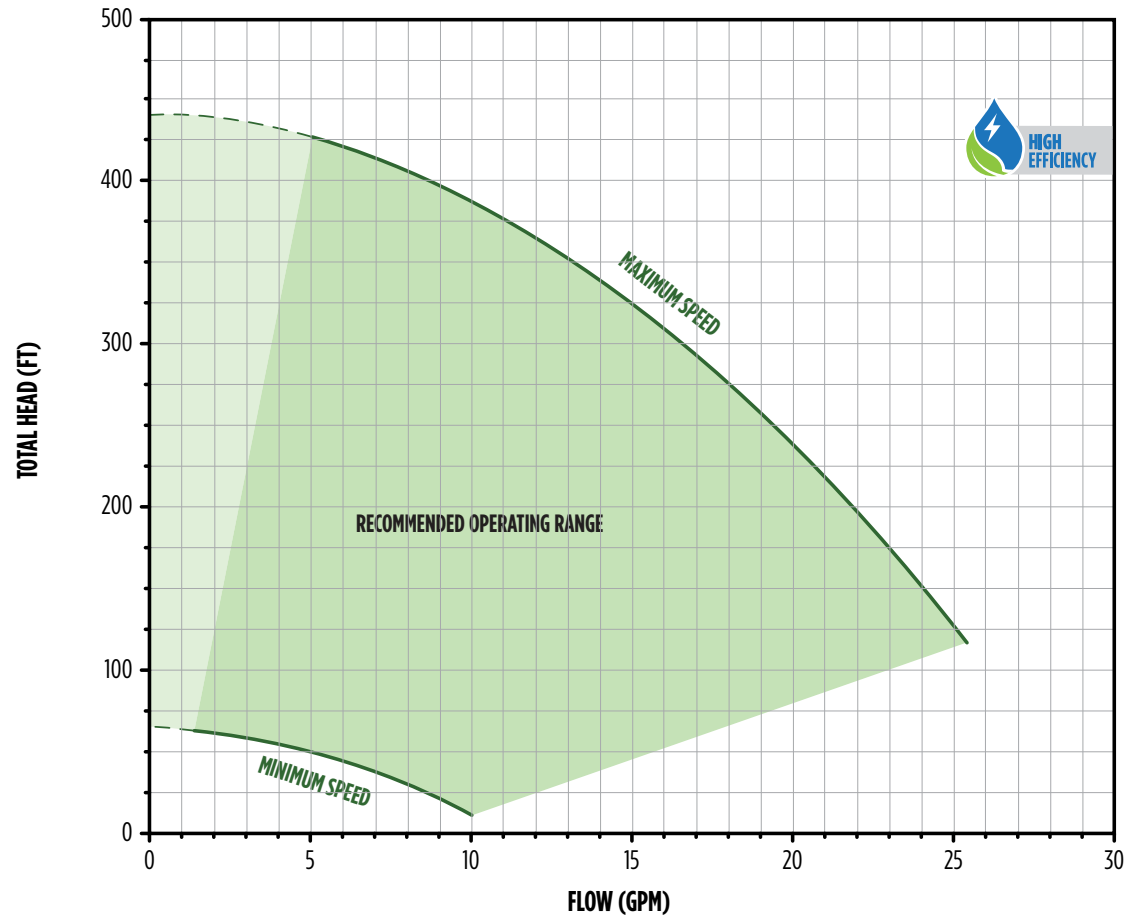


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																																					
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000												
3	0																																						
	10																																						
	20																																						
	30																																						
	40																																						
	50																																						
	60																																						
	70																																						
	80																																						
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 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

15PMQP-1.5HP-3RC

SD20 | 15 GPM , 0.75 HP PUMP END | 1.5 HP MAGFORCE HIGH EFFICIENCY MOTOR

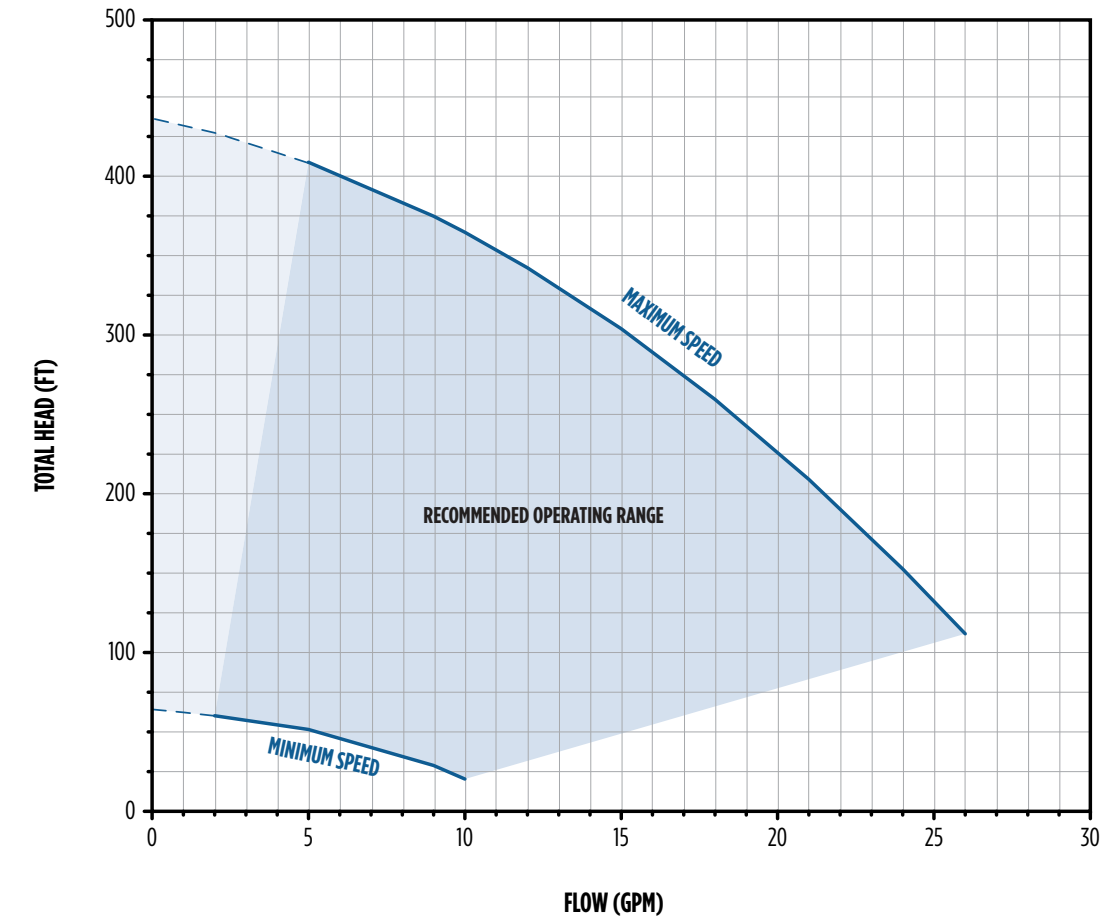


Model	PSI	Depth to Pumping Water Level (ft)																
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440
15PMQP-1.5HP-3RC	0									24	23	22	20	18	16	14	10	6
	10							24	24	23	22	21	19	17	15	12	8	
	20						24	24	23	22	21	20	18	16	13	10	5	
	30					24	23	23	22	21	20	19	17	14	11	7		
	40				24	23	22	22	21	20	19	18	15	13	9	3		
	50			24	23	22	21	21	20	19	17	16	14	11	6			
	60		24	23	22	21	20	19	18	17	16	15	12	9				
	70	24	23	22	21	20	19	18	17	16	15	13	10	5				
	80	23	22	21	20	19	18	17	16	15	13	12	8					
Shut-off PSI		202	193	184	176	167	158	150	141	132	124	115	98	80	63	46	28	11

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

15SDQP-1.5HP-3RC/N4

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

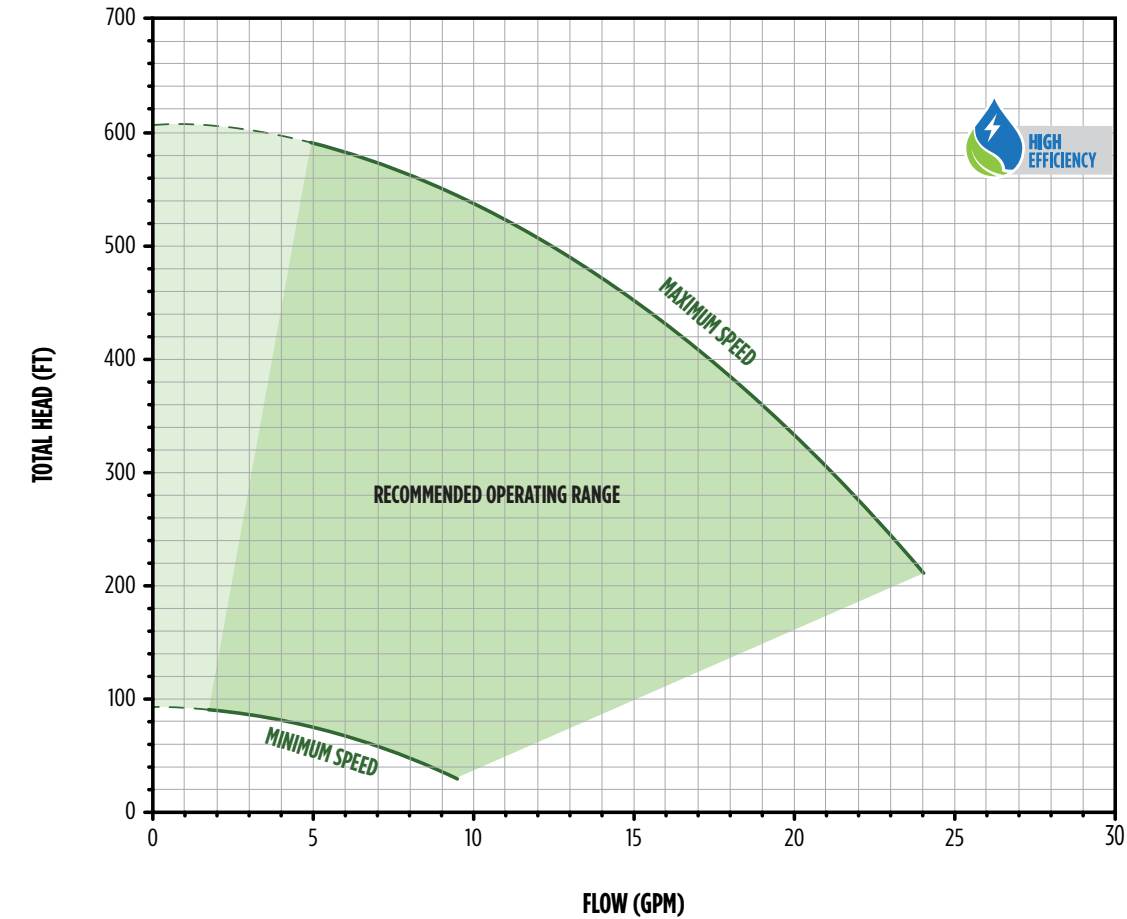


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400			
1.5	0									24	23	22	19	15	11	6		
	10							24	24	23	22	21	20	17	14	9		
	20						24	23	22	21	20	19	17	15	12	7		
	30					24	23	22	21	20	19	17	14	10				
	40				24	23	22	21	20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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

15PMQP-2.0HP-3RC

SD20 | 15 GPM , 1 HP PUMP END | 2 HP MAGFORCE HIGH EFFICIENCY MOTOR

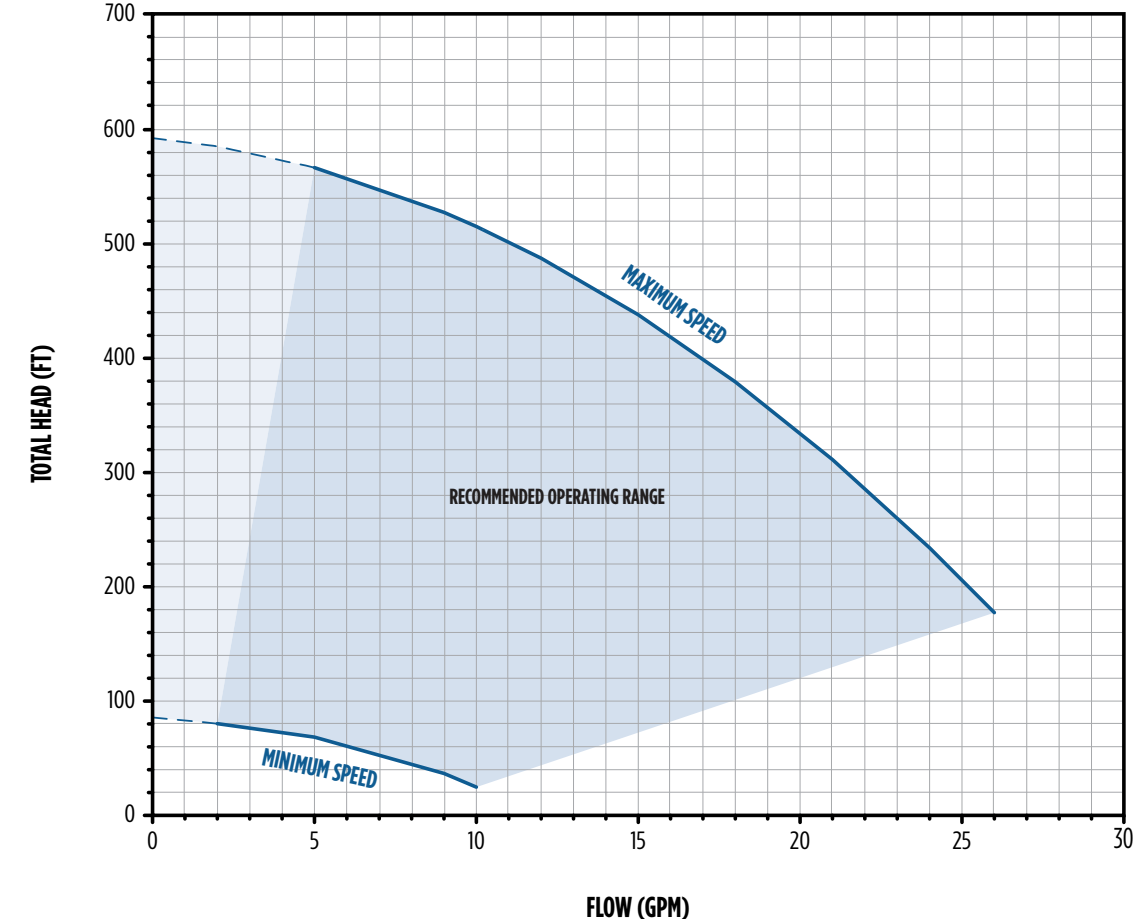


Model	PSI	Depth to Pumping Water Level (ft)																				
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600
15PMQP-2.0HP-3RC	0											24	23	22	20	19	17	15	14	12	9	3
	10									24	23	22	21	19	18	16	14	12	11	7		
	20								24	23	23	21	20	19	17	15	13	11	9	4		
	30							24	24	23	22	21	19	18	16	14	12	9	7			
	40						24	24	23	23	22	21	20	18	17	15	13	10	7	5		
	50					24	24	23	22	22	21	20	19	17	16	14	11	9	4			
	60				24	24	23	22	22	21	20	20	18	16	15	13	10	6				
	70			24	23	23	22	22	21	20	20	19	17	15	13	11	8	3				
	80		24	23	23	22	21	21	20	19	19	18	16	14	12	9	6					
Shut-off PSI		267	259	250	241	233	224	215	207	198	189	181	163	146	129	112	94	77	60	51	29	8

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

15SDQP-2.0HP-3RC/N4

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

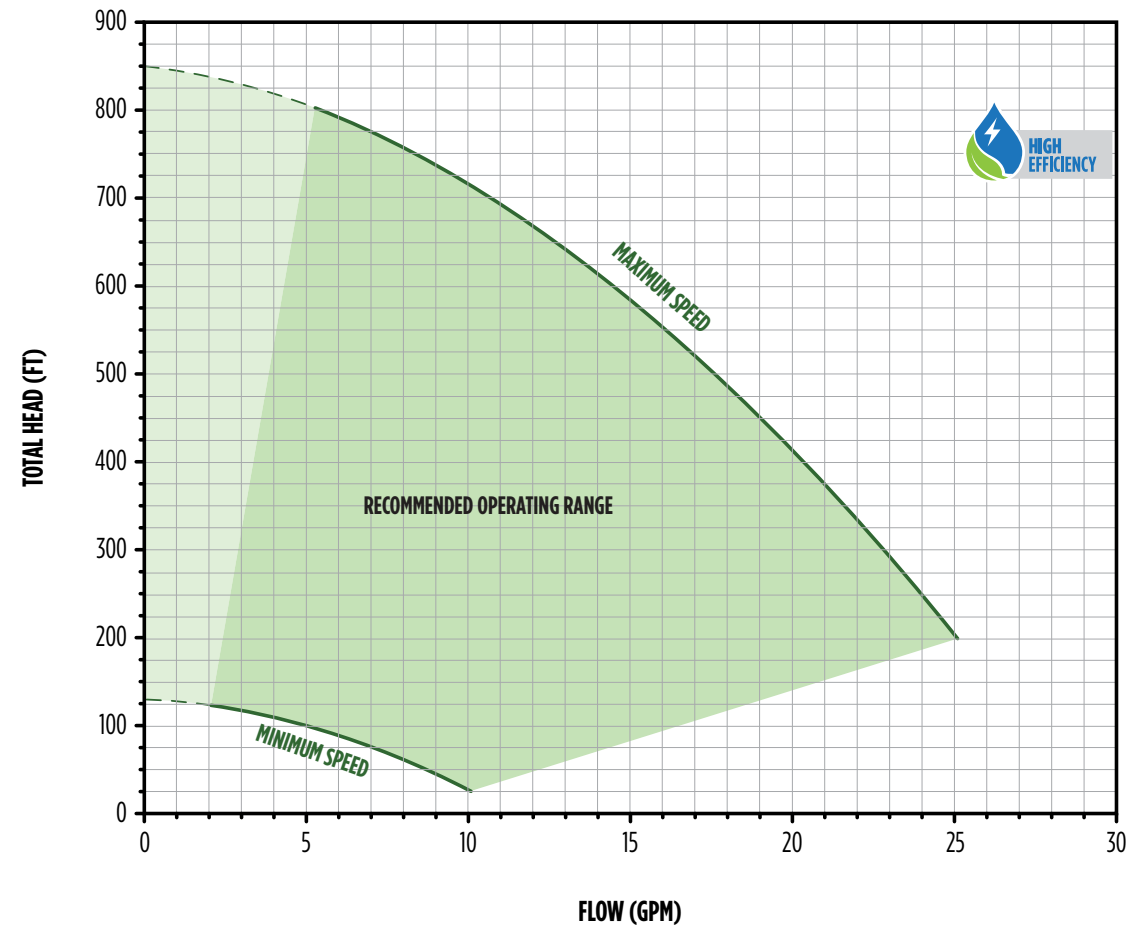


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550				
2	0															23	22	19	17	14	11	7
	10															24	23	21	18	16	13	10
	20														24	24	22	20	17	14	12	7
	30														24	23	23	21	18	16	13	10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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

15PMQP-3.0HP-3RC

SD30 | 15 GPM , 1.5 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

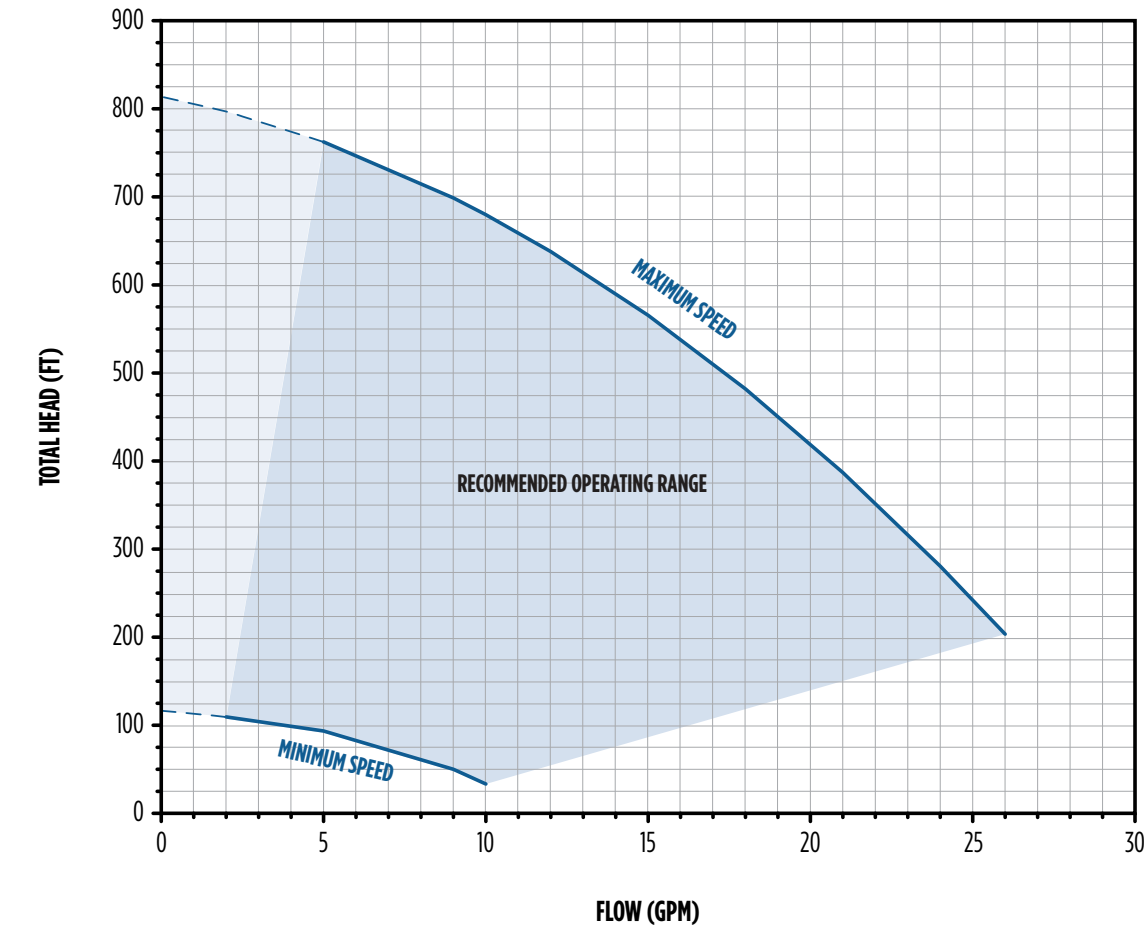


Model	PSI	Depth to Pumping Water Level (ft)																											
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850		
15PMQP-3.0HP-3RC	0											24	23	22	21	20	19	18	17	16	14	12	10	8	5				
	10											24	24	23	22	21	20	19	18	17	16	15	13	11	9	6	3		
	20											24	24	23	22	21	20	19	17	16	16	14	12	10	8	5			
	30											24	24	23	23	22	21	20	19	18	17	16	15	13	11	9	7	3	
	40											24	24	23	23	22	22	21	19	18	17	16	15	14	12	10	8	5	
	50											24	24	23	23	22	22	21	20	19	18	17	15	14	13	11	9	7	
	60											24	24	23	23	22	22	21	20	19	18	17	16	15	13	11	8	5	
	70											24	24	23	23	22	22	21	21	20	19	18	16	15	14	12	10	7	
	80											24	24	23	23	22	22	21	21	20	19	18	17	16	14	13	12	10	
Shut-off PSI		372	363	355	346	337	329	320	311	303	294	285	268	251	234	216	199	182	164	156	134	112	91	69	47	26	4		

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

15SDQP-3.0HP-3RC/N4

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

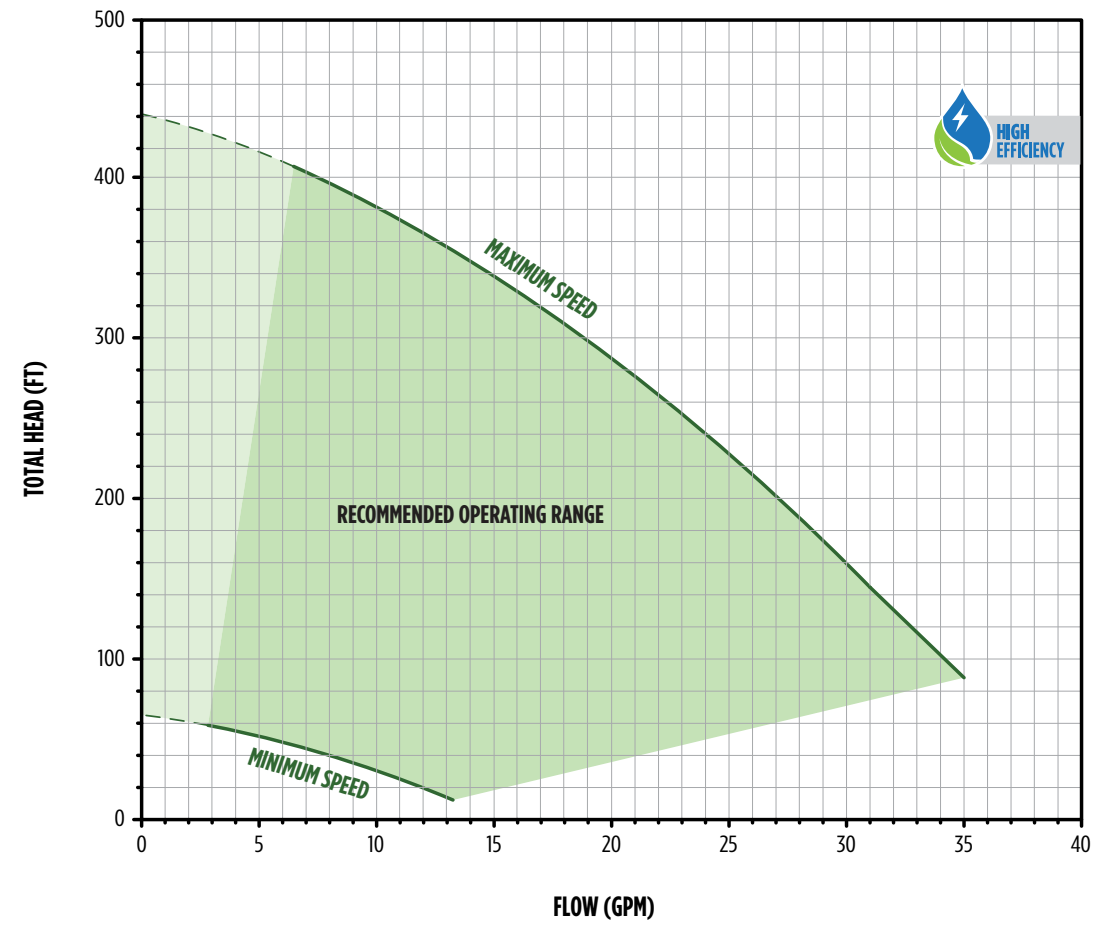


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																															
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750											
3	0																							23	22	21	19	17	15	14	11	9	6
	10																							24	23	21	20	18	16	15	13	10	8
	20																							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
	50																							24	24	23	22	20	19	17	15	13	11
	60																							24	24	23	22	21	19	18	16	14	12
	70																							24	24	23	23	22	22	20	19	17	15
	80																							24	24	23	23	22	22	21	20	18	16
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 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

20PMQP-1.5HP-3RC

SD20 | 20 GPM, 1 HP PUMP END | 1.5 HP MAGFORCE HIGH EFFICIENCY MOTOR

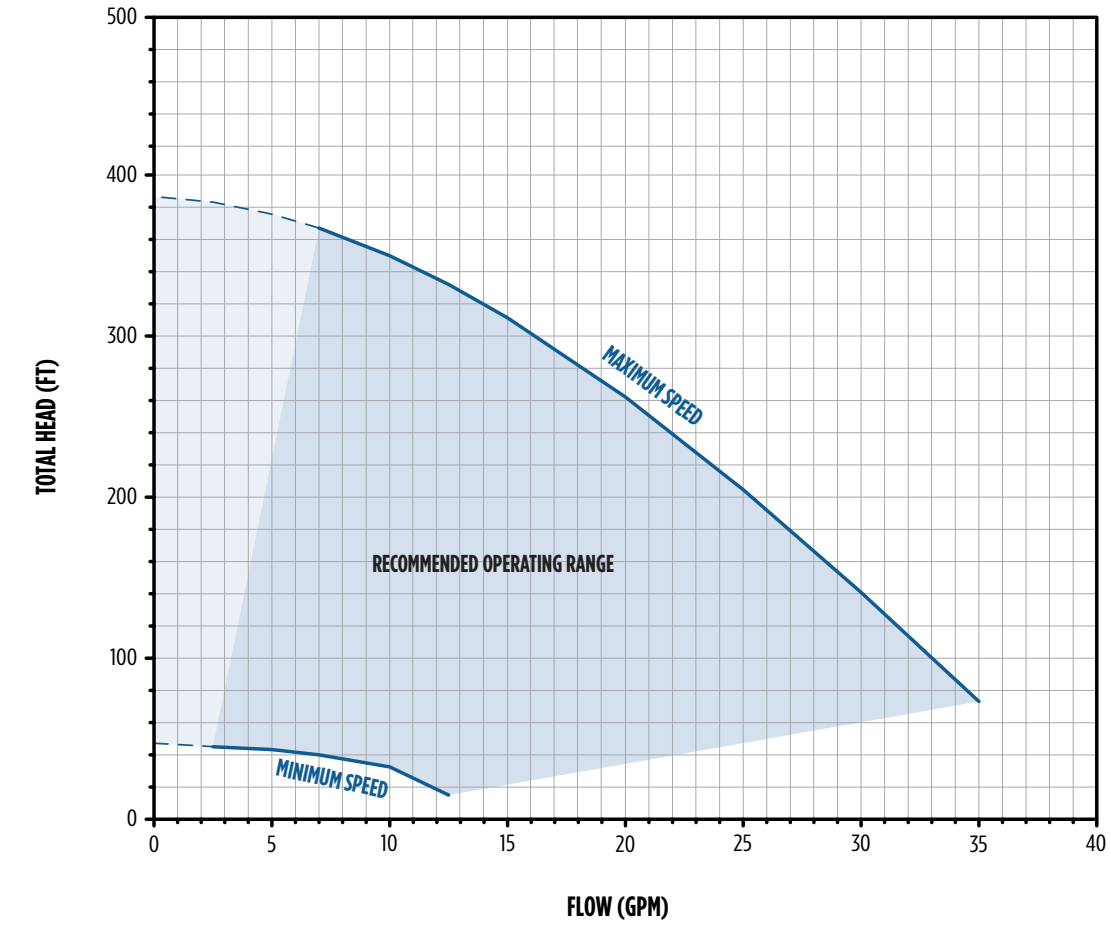


Model	PSI	Depth to Pumping Water Level (ft)																
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440
20PMQP-1.5HP-3RC	0						34	33	31	30	28	27	24	21	17	13	8	1
	10					34	32	31	30	28	27	25	22	18	14	10	4	
	20				33	32	31	29	28	27	25	23	20	16	12	7		
	30			33	32	31	29	28	26	25	23	22	18	14	9	3		
	40	34	33	32	30	29	28	26	25	23	21	19	16	11	6			
	50	33	32	30	29	27	26	24	23	21	19	17	13	8	2			
	60	31	30	29	27	26	24	22	21	19	17	15	10	5				
	70	30	28	27	25	24	22	20	19	17	15	12	7					
	80	28	27	25	24	22	20	18	16	14	12	10	4					
Shut-off PSI		194	186	177	168	160	151	142	134	125	116	108	90	73	56	39	21	4

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

20SDQP-1.5HP-3RC/N4

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

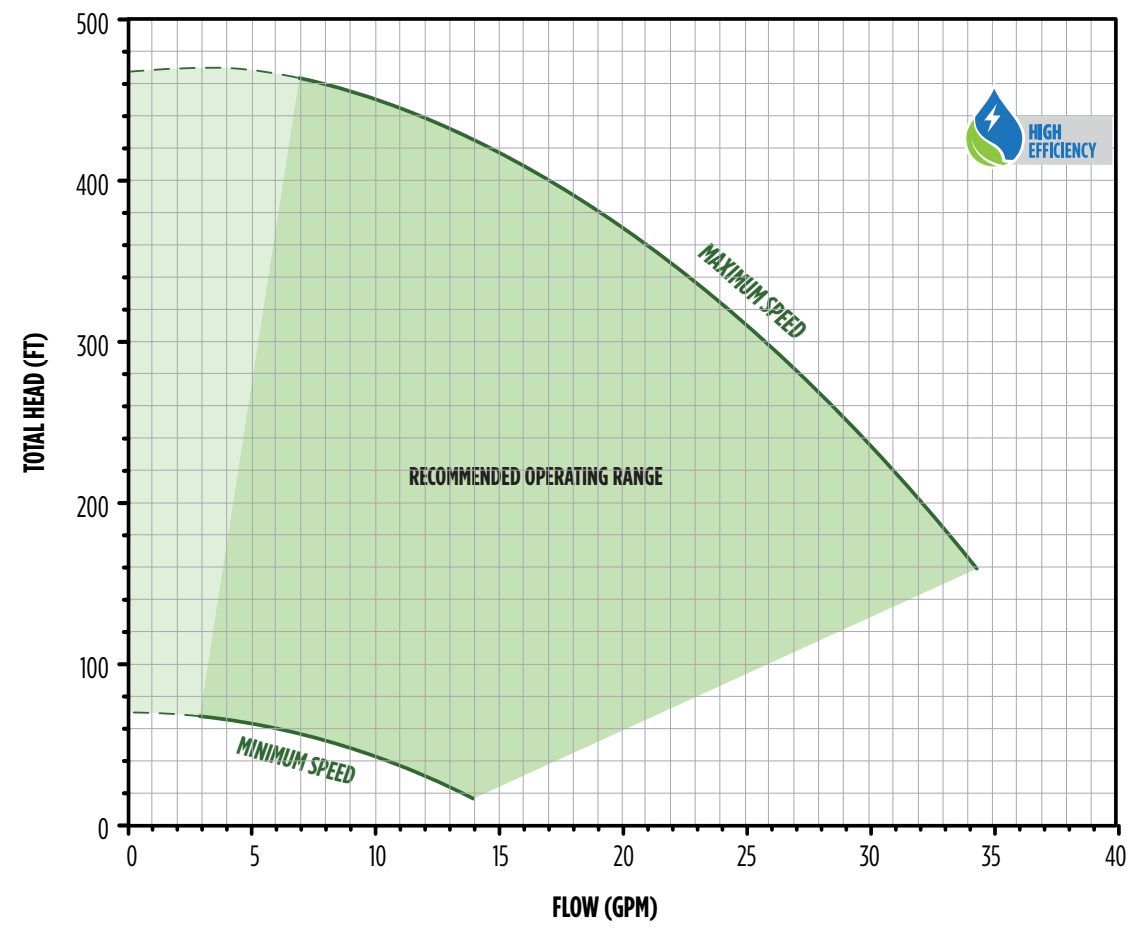


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1.5	0				34	32	31	30	29	27	26	21	16
	10			34	32	31	30	29	27	25	23	19	14
	20		33	32	31	30	28	27	25	23	21	16	11
	30	33	32	31	29	28	27	25	23	21	19	14	
	40	31	30	29	28	26	25	23	21	19	17	11	
	50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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

20PMQP-2.0HP-3RC

SD20 | 20 GPM, 1 HP PUMP END | 2 HP MAGFORCE HIGH EFFICIENCY MOTOR

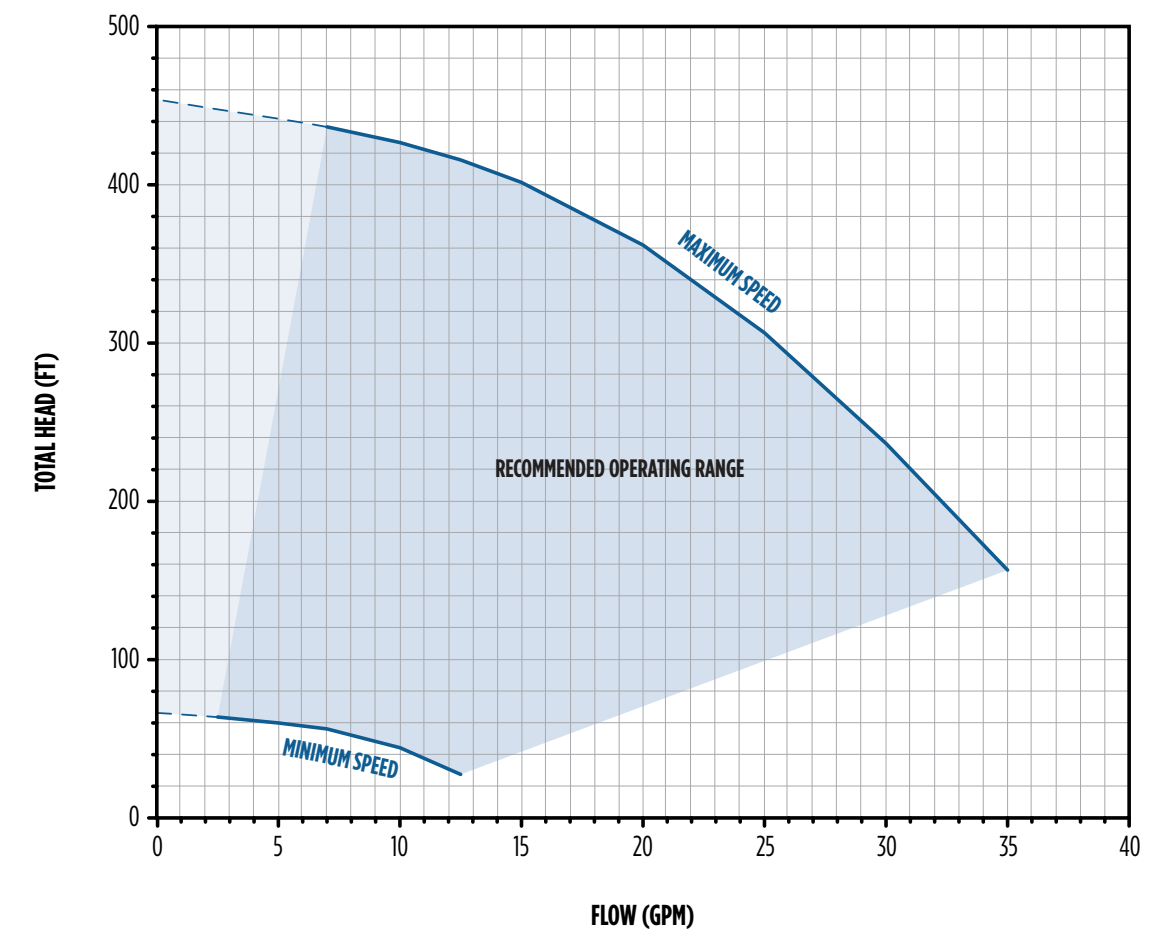


Model	PSI	Depth to Pumping Water Level (ft)																					
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440					
20PMQP-2.0HP-3RC	0											34	33	32	29	27	24	21	17	11			
	10											34	33	31	30	28	25	22	18	14	6		
	20											34	33	31	30	29	26	23	20	16	10		
	30											34	33	32	31	30	29	27	25	21	18	13	
	40											34	33	32	31	30	28	27	26	23	19	15	9
	50											34	33	32	31	30	28	27	26	24	21	17	12
	60											34	33	32	31	30	28	27	26	24	21	17	12
	70											34	33	32	31	30	28	27	26	24	21	17	12
	80											34	33	32	31	30	28	27	26	24	21	17	12
Shut-off PSI		206	197	188	180	171	162	154	145	136	128	119	102	85	67	50	33	15					

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

20SDQP-2.0HP-3RC/N4

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

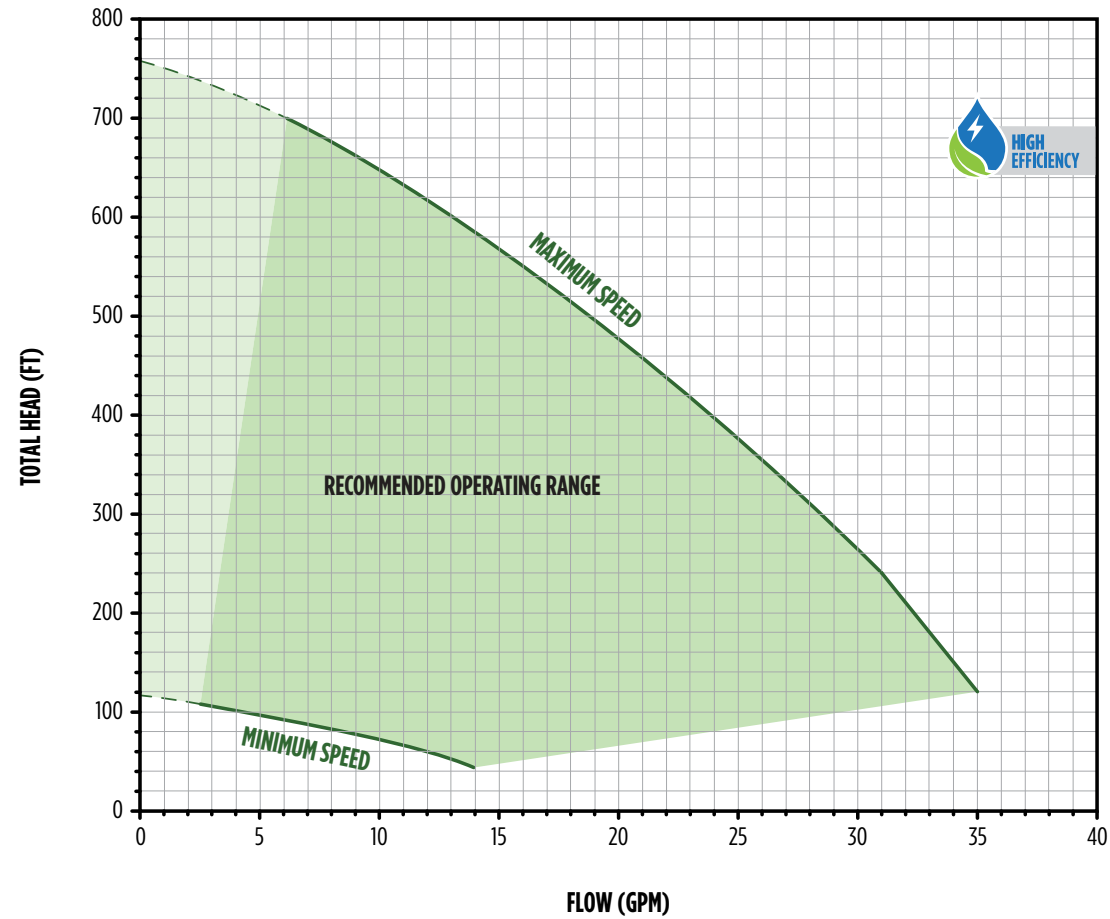


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																					
		20	40	60	80	100	120	140	160	180	200	250	300	350	400								
2	0																						
	10																						
	20																						
	30																						
	40																						
	50																						
	60																						
	70																						
	80																						
Shut-off PSI		188	179	171	162	153	145	136	127	119	110	88	67	45	23								

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

20PMQP-3.0HP-3RC

SD30 | 20 GPM, 2 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

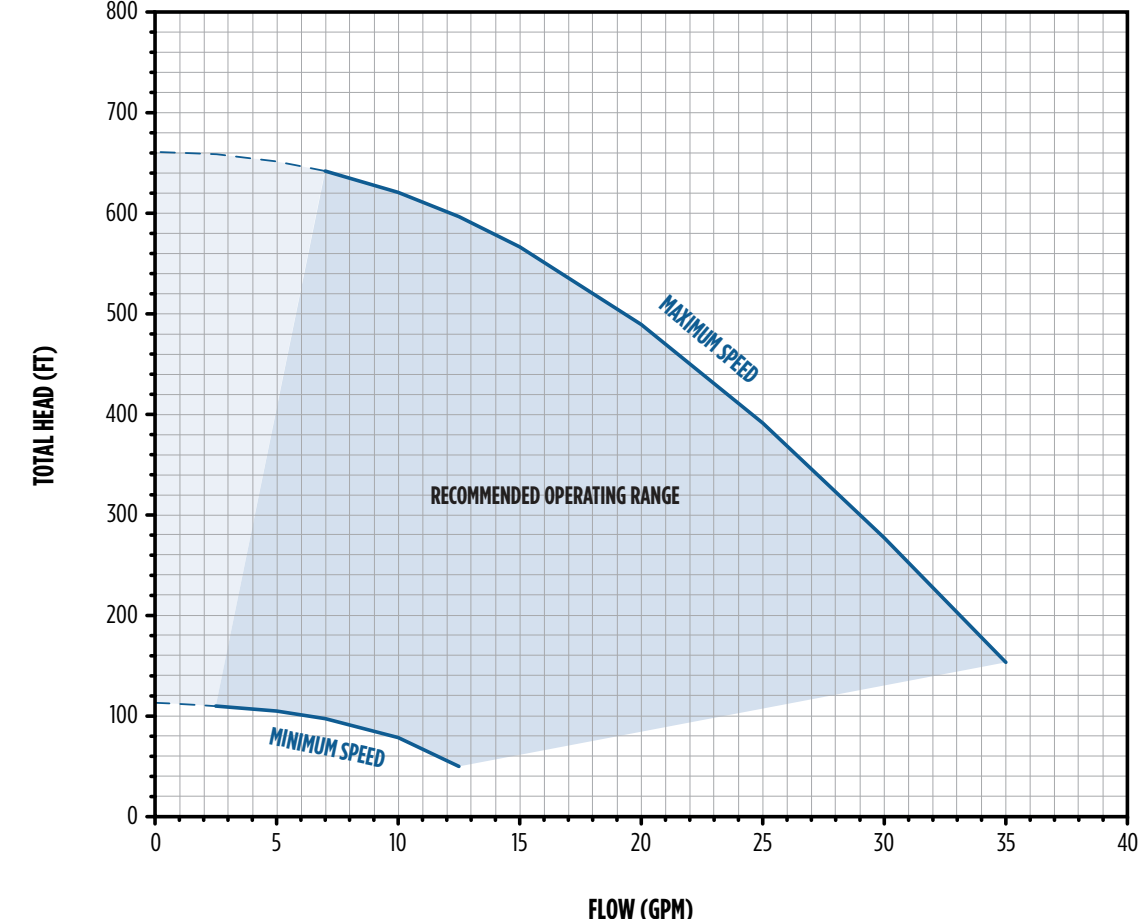


Model	PSI	Depth to Pumping Water Level (ft)																										
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750			
20PMQP-3.0HP-3RC	0										35	34	33	33	32	30	29	27	25	24	22	20	19	16	13	10	6	1
	10					35	35	34	33	33	32	31	30	29	28	26	24	23	21	19	17	15	12	8	4			
	20				35	35	34	33	32	32	31	30	29	27	25	23	21	19	17	16	13	10	6	2				
	30			35	34	34	33	32	32	31	30	29	28	26	24	22	20	18	16	15	12	8	4					
	40		35	34	34	33	32	31	31	30	29	28	27	25	23	21	19	17	15	13	10	7	2					
	50	35	34	34	33	32	31	31	30	29	28	27	26	24	22	20	18	16	13	12	9	5						
	60	34	33	33	32	31	30	30	29	28	27	26	25	23	21	19	17	14	12	10	7	2						
	70	33	33	32	31	30	29	29	28	27	26	25	24	22	20	18	15	13	10	9	5							
	80	32	32	31	30	29	29	28	27	26	25	24	22	20	18	16	14	11	9	7	3							
Shut-off PSI		334	325	317	308	299	291	282	273	265	256	247	230	213	195	178	161	143	126	117	96	74	53	31	9			

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

20SDQP-3.0HP-3RC/N4

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

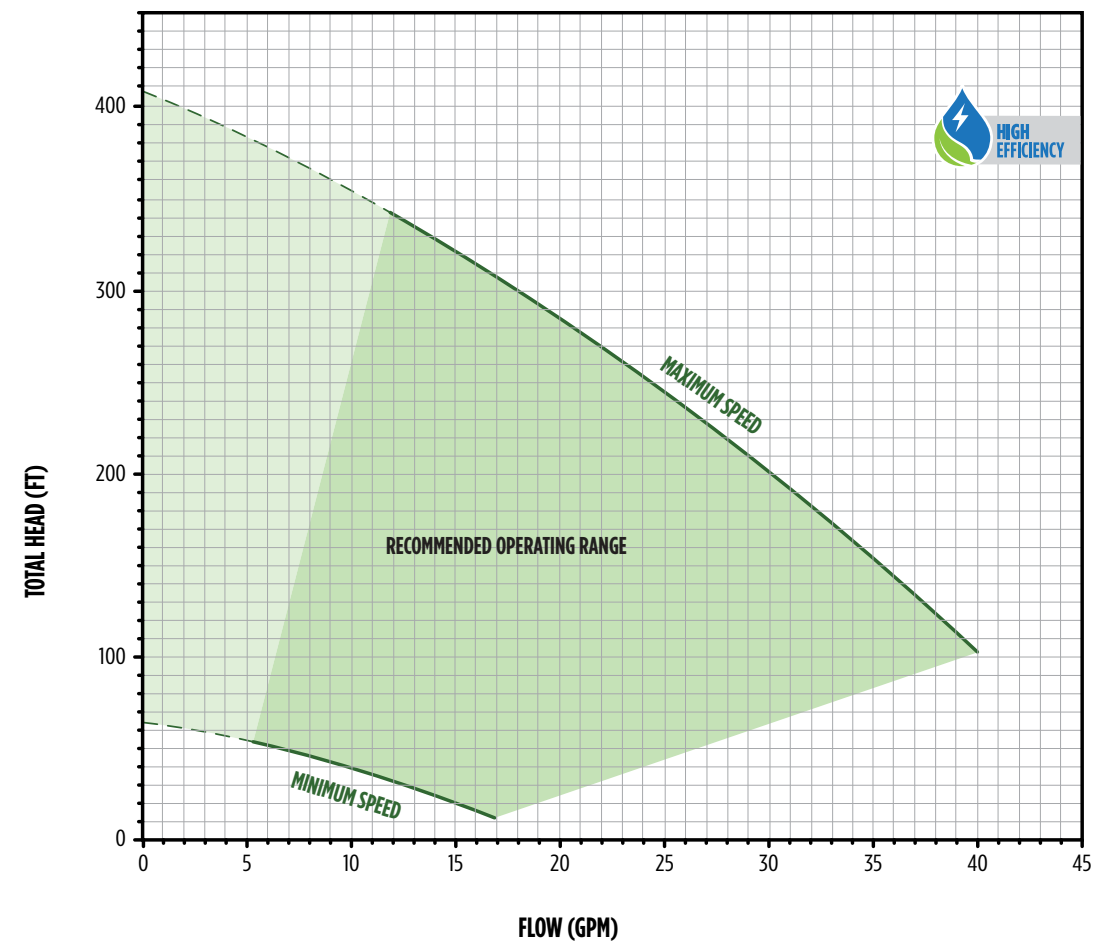


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																							
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600						
3	0														35	34	33	31	29	27	24	22	19	17	13
	10													35	33	33	32	30	28	26	23	21	18	15	
	20												34	33	33	32	31	30	27	25	22	19	17	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	31	30	30	29	29	28	28	26	24	21	19	16	11			
	60	35	34	33	32	31	31	30	29	29	28	28	27	26	25	24	21	19	16	11					
	70	33	33	32	31	31	30	29	29	28	28	27	26	25	24	21	19	16	11						
	80	33	32	31	31	30	29	29	28	27	26	25	23	20	17	14	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 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

25PMQP-1.5HP-3RC

SD20 | 25 GPM, 1 HP PUMP END | 1.5 HP MAGFORCE HIGH EFFICIENCY MOTOR

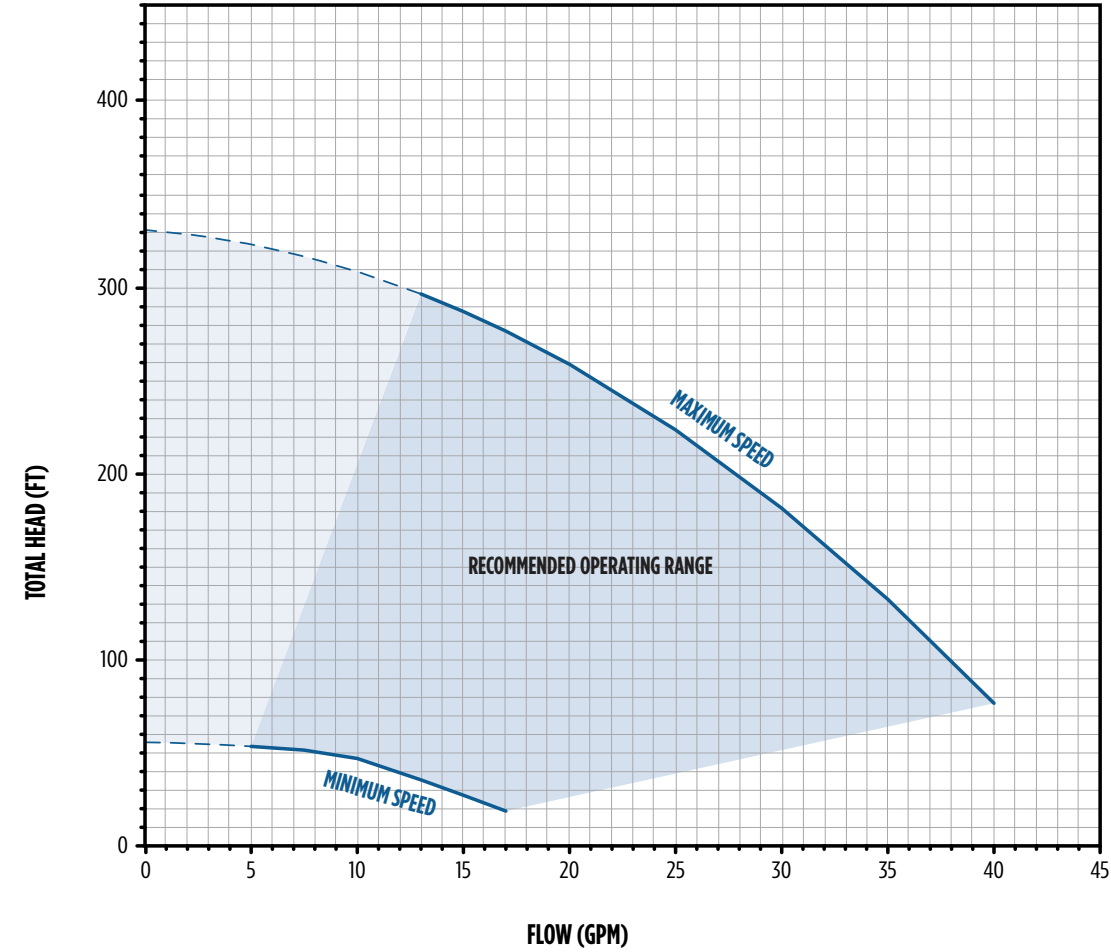


Model	PSI	Depth to Pumping Water Level (ft)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400
25PMQP-1.5HP-3RC	0						39	37	36	34	31	29	25	20	15	9	1
	10					39	37	35	33	31	29	27	22	17	11	5	
	20				39	37	35	33	31	29	26	24	19	14	7		
	30			39	37	35	33	30	28	26	24	21	16	10	3		
	40		38	36	34	32	30	28	26	23	21	18	13	6			
	50	38	36	34	32	30	28	25	23	21	18	15	9	2			
	60	36	34	32	29	27	25	23	20	18	15	12	5				
	70	33	31	29	27	25	22	20	17	14	11	8	1				
	80	31	29	27	24	22	19	17	14	11	8	4					
Shut-off PSI		174	165	156	148	139	130	122	113	104	96	87	70	52	35	18	0

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

25SDQP-1.5HP-3RC/N4

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

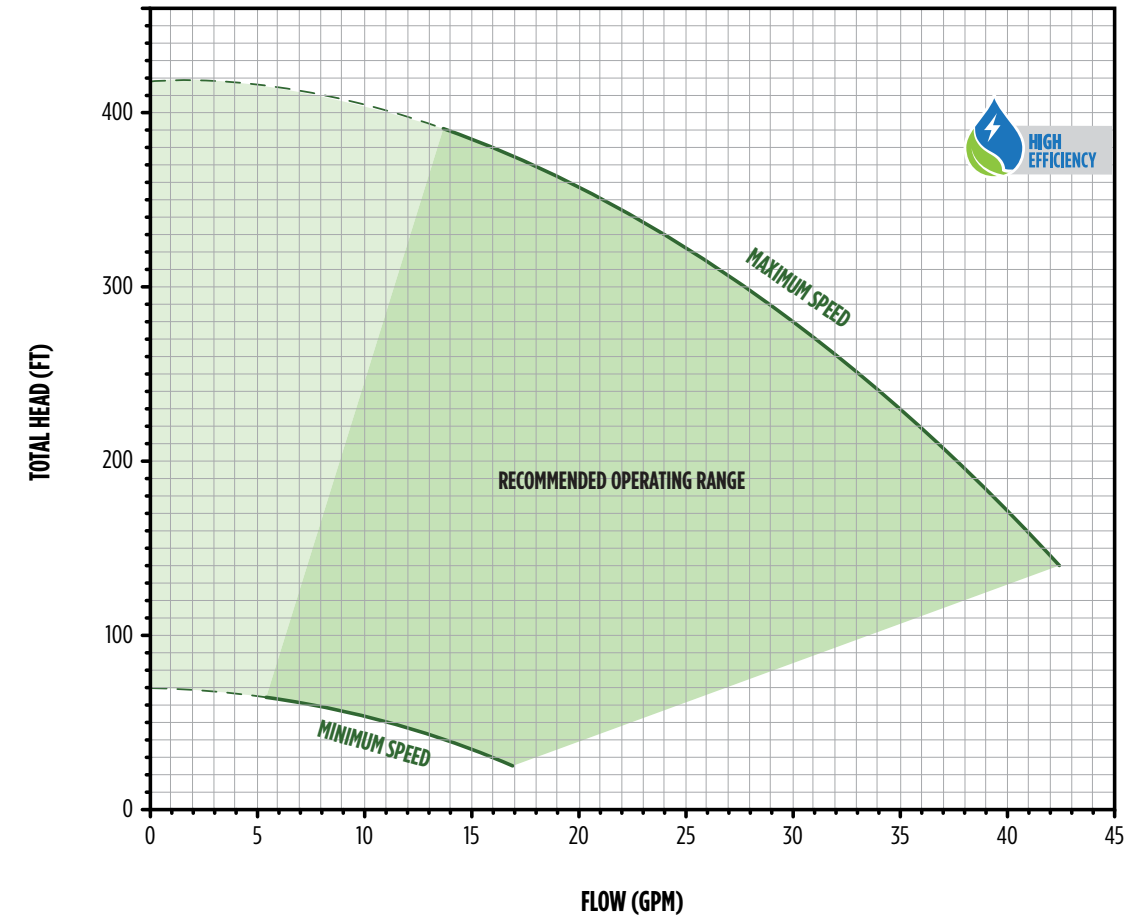


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	
1.5	0				39	37	36	34	32	30	28	25	21
	10			39	37	36	34	32	30	28	25	18	
	20		39	37	35	34	32	30	27	24	22		
	30	38	36	35	34	32	29	27	24	21	18		
	40	36	35	33	31	29	26	24	21	18	14		
	50	35	33	31	29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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

25PMQP-2.0HP-3RC

SD20 | 25 GPM, 1 HP PUMP END | 2 HP MAGFORCE HIGH EFFICIENCY MOTOR

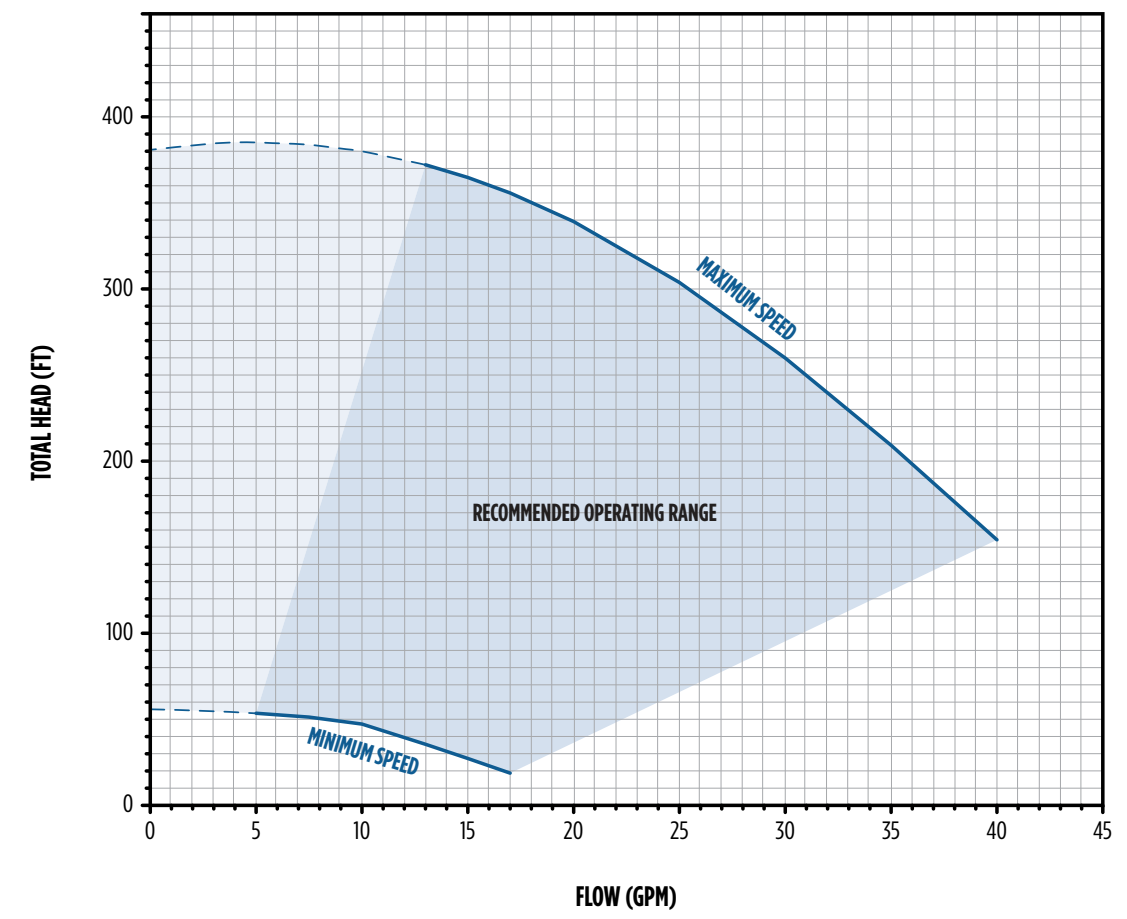


Model	PSI	Depth to Pumping Water Level (ft)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400
25PMQP-2.0HP-3RC	0									40	38	36	33	29	24	18	8
	10								39	38	36	34	30	26	20	13	
	20							39	38	36	34	32	28	23	16	4	
	30						39	37	36	34	32	30	25	19	11		
	40				40	39	37	35	33	31	29	27	22	15			
	50			40	38	37	35	33	31	29	27	24	18	9			
	60		40	38	36	35	33	31	29	26	24	21	14				
	70	40	38	36	34	33	31	28	26	24	21	17	7				
	80	38	36	34	32	30	28	26	23	20	17	12					
Shut-off PSI		175	166	157	149	140	132	123	114	106	97	88	71	54	36	19	2

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

25SDQP-2.0HP-3RC/N4

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

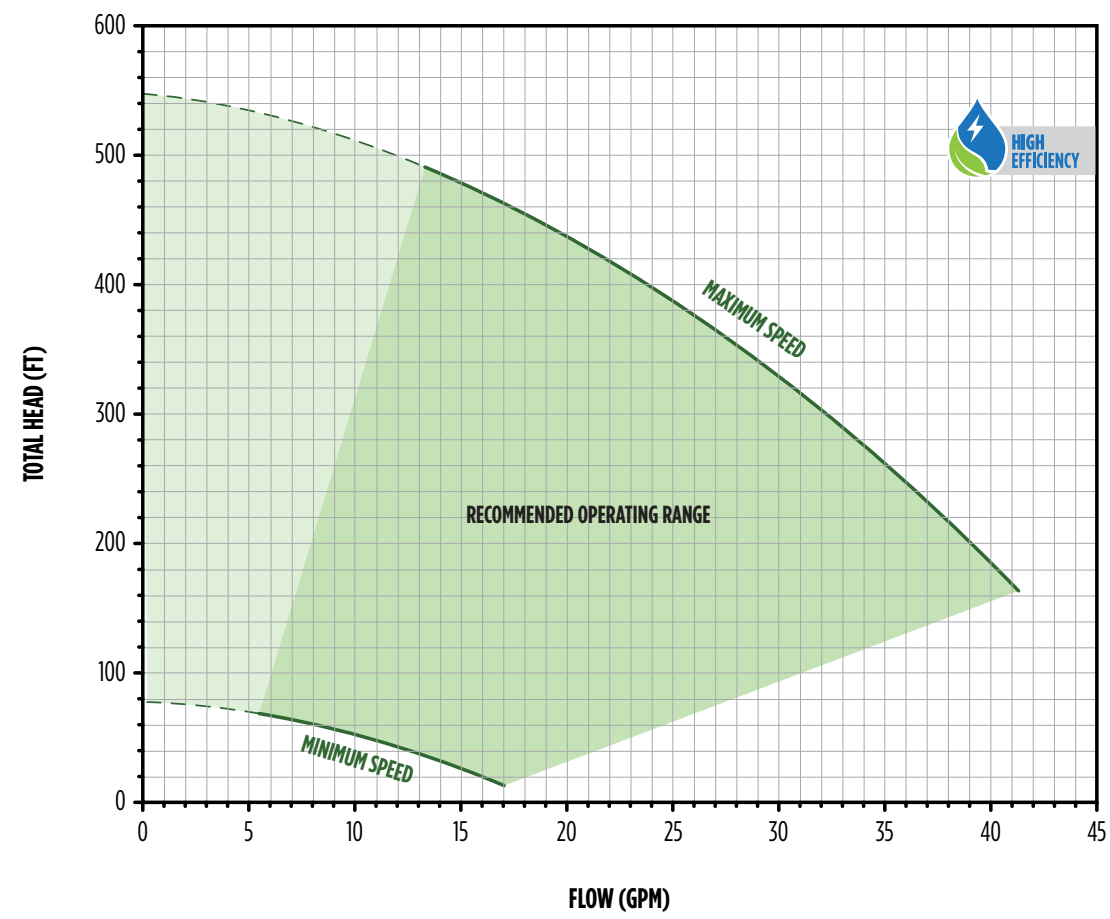


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		20	40	60	80	100	120	140	160	180	200	250	300	350			
2	0										39	36	35	31	25	19	
	10										38	36	35	34	28	23	
	20									38	36	35	34	32	25	19	
	30									37	36	35	34	31	29	23	
	40									37	36	35	33	31	29	26	20
	50			40	37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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

25PMQP-3.0HP-3RC

SD30 | 25 GPM, 1.5 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

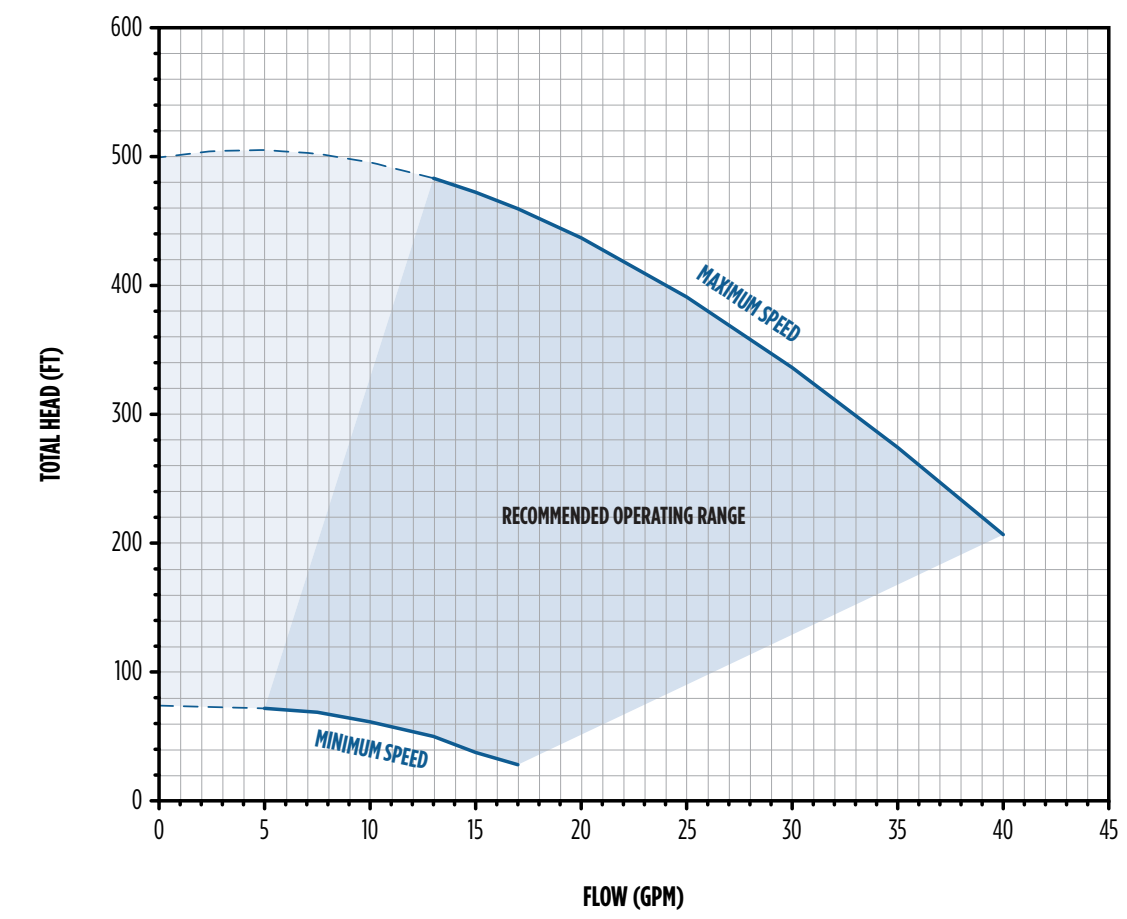


Model	PSI	Depth to Pumping Water Level (ft)																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550
25PMQP-3.0HP-3RC	0										40	39	36	34	31	27	24	20	15	12	1
	10									40	39	37	35	32	29	25	22	17	12	8	
	20								40	39	37	36	33	30	27	23	19	14	8	3	
	30							40	38	37	36	34	31	28	25	21	16	11	2		
	40						39	38	37	36	34	33	30	26	23	18	13	6			
	50				40	39	38	37	35	34	32	31	28	24	20	16	10				
	60			40	39	38	36	35	34	32	31	29	26	22	18	12	5				
	70		40	39	38	36	35	33	32	30	29	27	24	20	15	8					
	80	40	39	37	36	35	33	32	30	29	27	25	21	17	11	3					
Shut-off PSI		237	228	220	211	202	194	185	176	168	159	150	133	116	98	81	64	46	29	20	0

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

25SDQP-3.0HP-3RC/N4

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

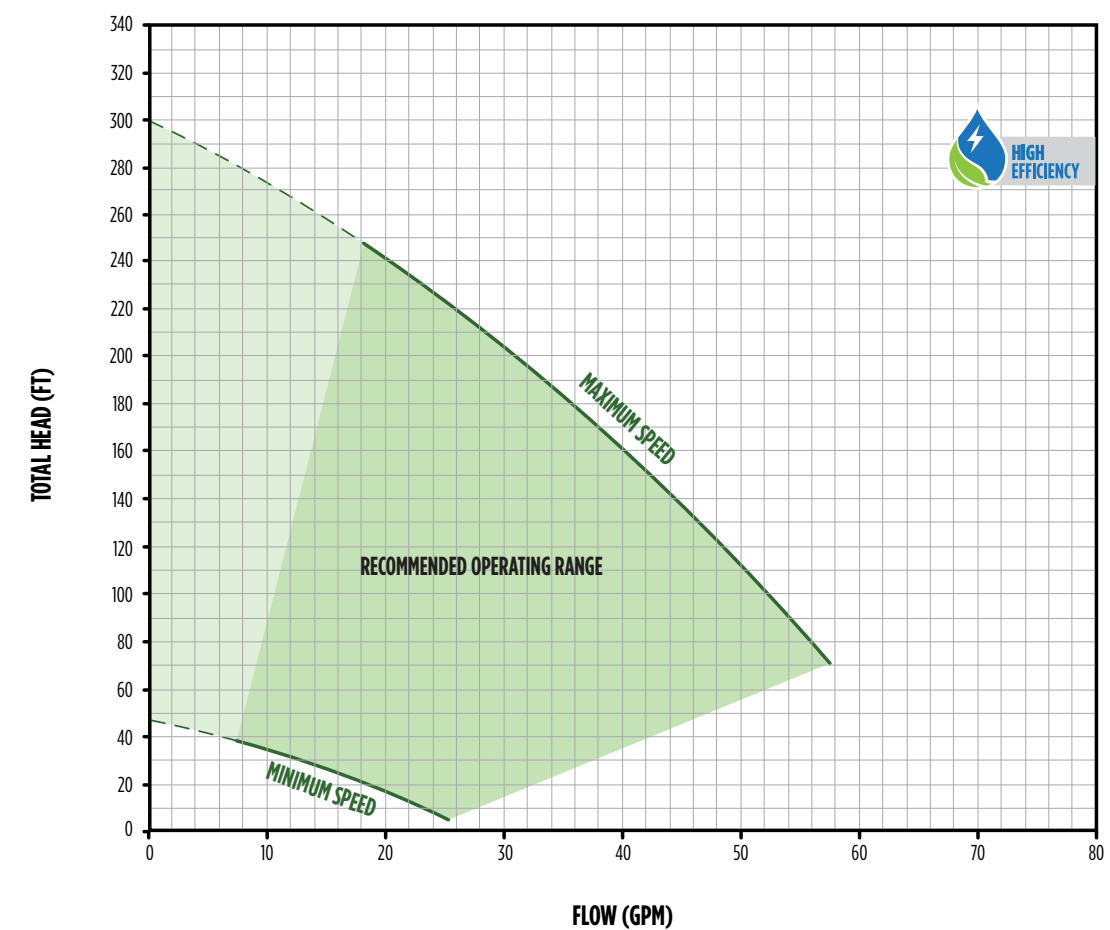


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450				
3	0															36	33	29	24	19
	10														38	35	31	26	22	15
	20													38	36	34	29	24	19	
	30												40	37	36	35	32	27	22	16
	40											39	37	36	35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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35PMQP-1.5HP-3RC

SD20 | 35 GPM, 1 HP PUMP END | 1.5 HP MAGFORCE HIGH EFFICIENCY MOTOR

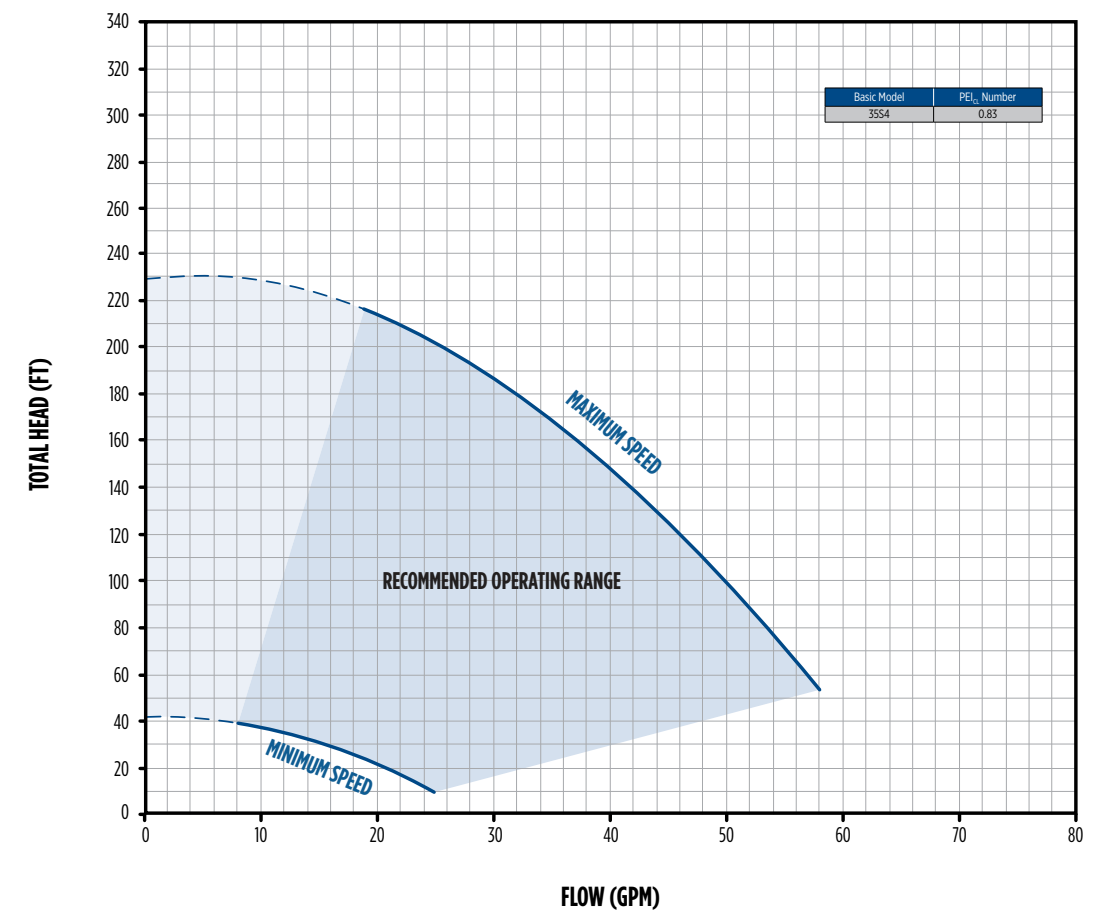


Model	PSI	Depth to Pumping Water Level (ft)													
		0	20	40	60	80	100	120	140	160	180	200	240	280	
35PMQP-1.5HP-3RC	0				59	55	51	48	44	39	35	30	20	7	
	10			58	54	51	47	43	39	34	30	25	13		
	20		57	54	50	46	42	38	34	29	24	18	5		
	30	57	53	50	46	42	37	33	28	23	17	11			
	40	53	49	45	41	37	32	27	22	16	10	2			
	50	48	45	40	36	31	27	21	15	9	1				
	60	44	40	35	31	26	20	14	8						
	70	39	35	30	25	19	13	7							
	80	34	29	24	19	12	5								
Shut-off PSI		128	119	111	102	93	85	76	67	59	50	41	24	7	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35SDQP-1.5HP-3RC/N4

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

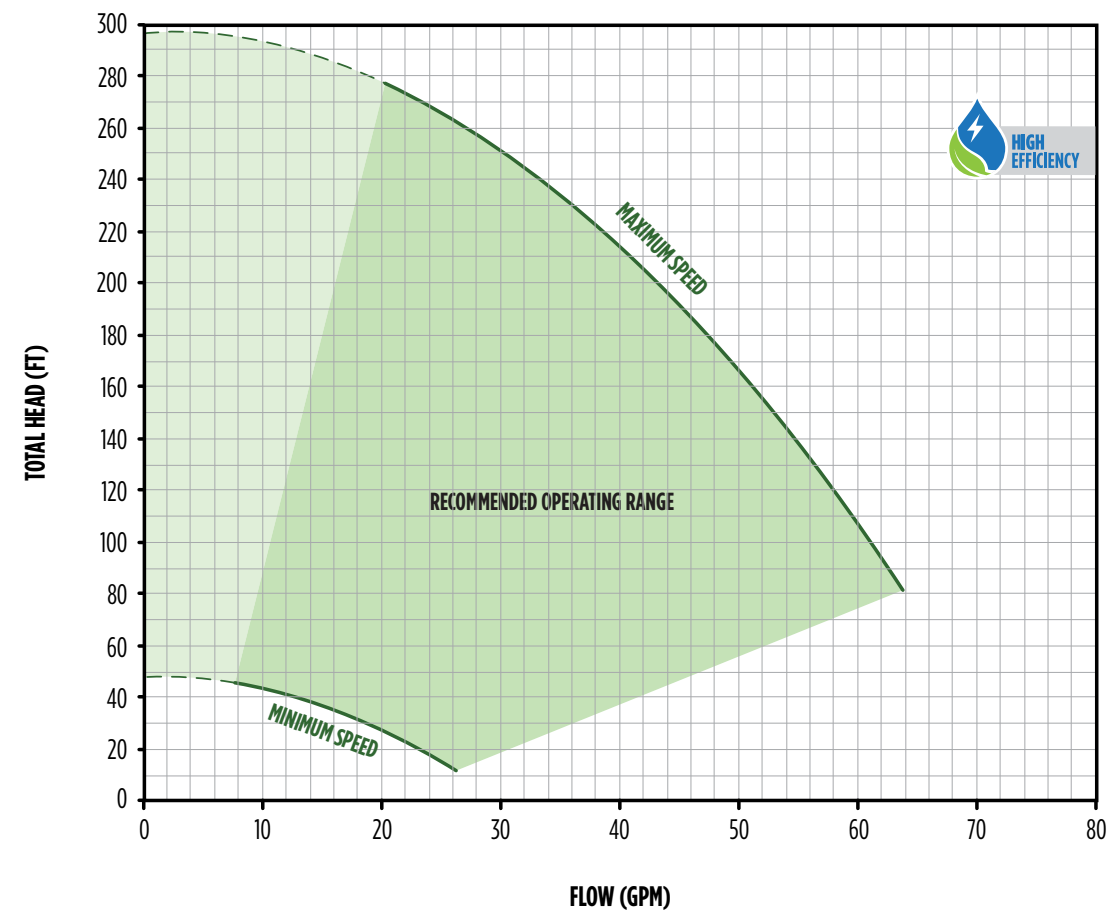


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	
1.5	0			55	49	44	40	35	30	26	21	
	10		54	48	43	39	34	29	25	21	15	
	20	53	47	43	38	33	29	24	20			
	30	47	42	37	33	28	24	19				
	40	41	37	32	27	23	18					
	50	36	31	27	22	18						
	60	30	26	22	17			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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35PMQP-2.0HP-3RC

SD20 | 35 GPM, 1 HP PUMP END | 2 HP MAGFORCE HIGH EFFICIENCY MOTOR

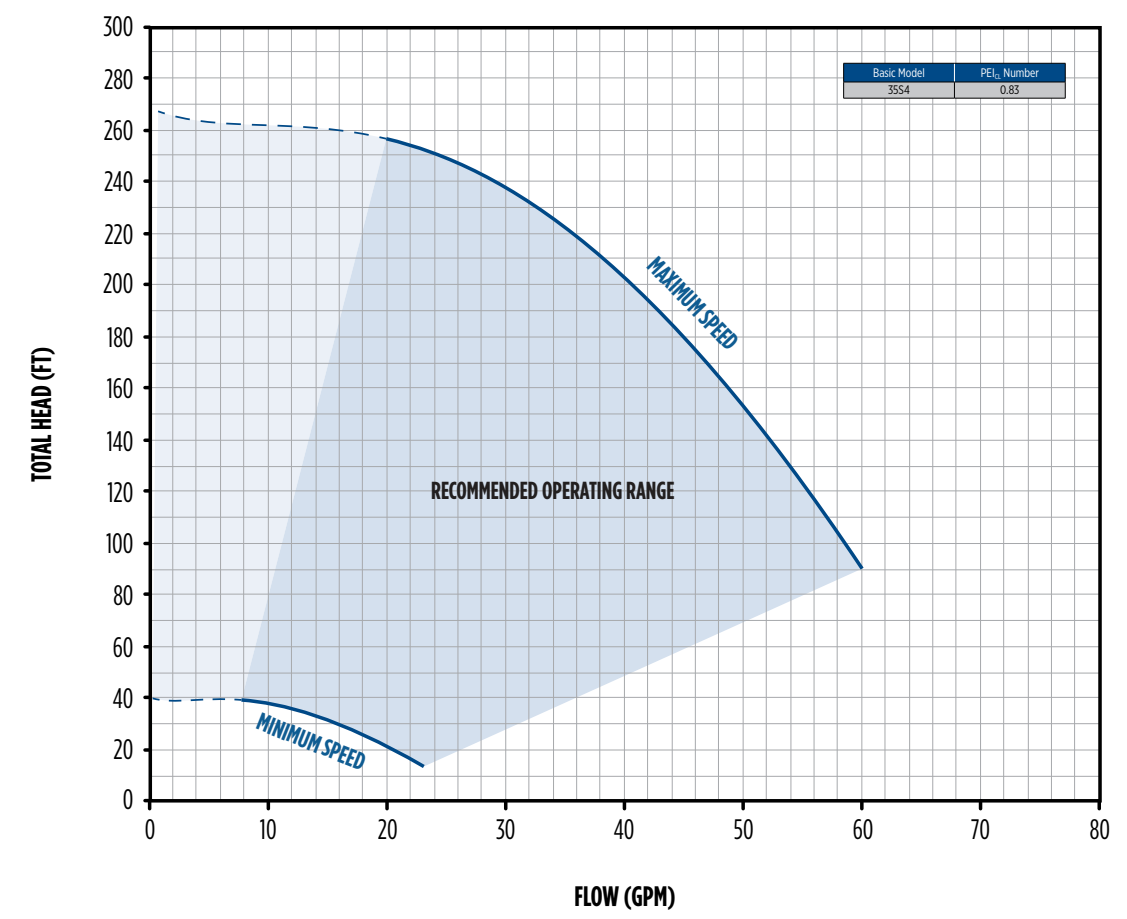


Model	PSI	Depth to Pumping Water Level (ft)													
		0	20	40	60	80	100	120	140	160	180	200	240	280	
Gallons Per Minute															
35PMQP-2.0HP-3RC	0							57	53	50	46	42	32	18	
	10					59	56	53	49	46	41	37	25		
	20				59	56	52	49	45	41	36	31	14		
	30			58	55	52	48	44	40	35	30	23			
	40		58	55	51	48	44	39	34	29	21	9			
	50	57	54	51	47	43	39	34	28	20	5				
	60	54	50	46	42	38	33	27	19						
	70	50	46	42	37	32	26	17							
	80	45	41	36	31	24	15								
Shut-off PSI		127	118	110	101	92	84	75	66	58	49	40	23	6	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35SDQP-2.0HP-3RC/N4

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

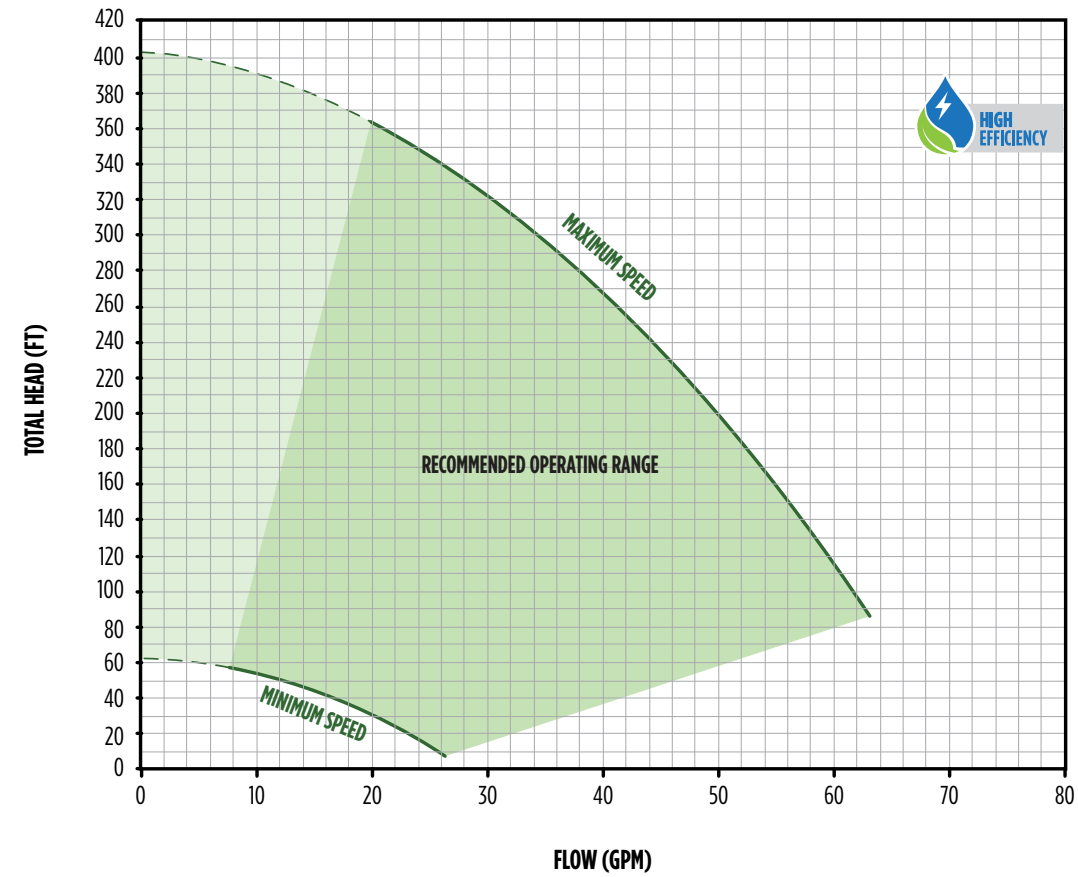


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)												
		20	40	60	80	100	120	140	160	180	200	250		
Gallons Per Minute														
2	0						53	49	46	41	36	25		
	10					52	48	45	41	36	31	19		
	20				51	48	44	40	35	30	26			
	30			51	47	44	39	34	30	26	20			
	40	54	50	47	43	38	33	29	25	19				
	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									
Shut-off PSI		120	111	103	94	85	77	68	59	51	42	20		

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35PMQP-3.0HP-3RC

SD30 | 35 GPM, 1.5 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

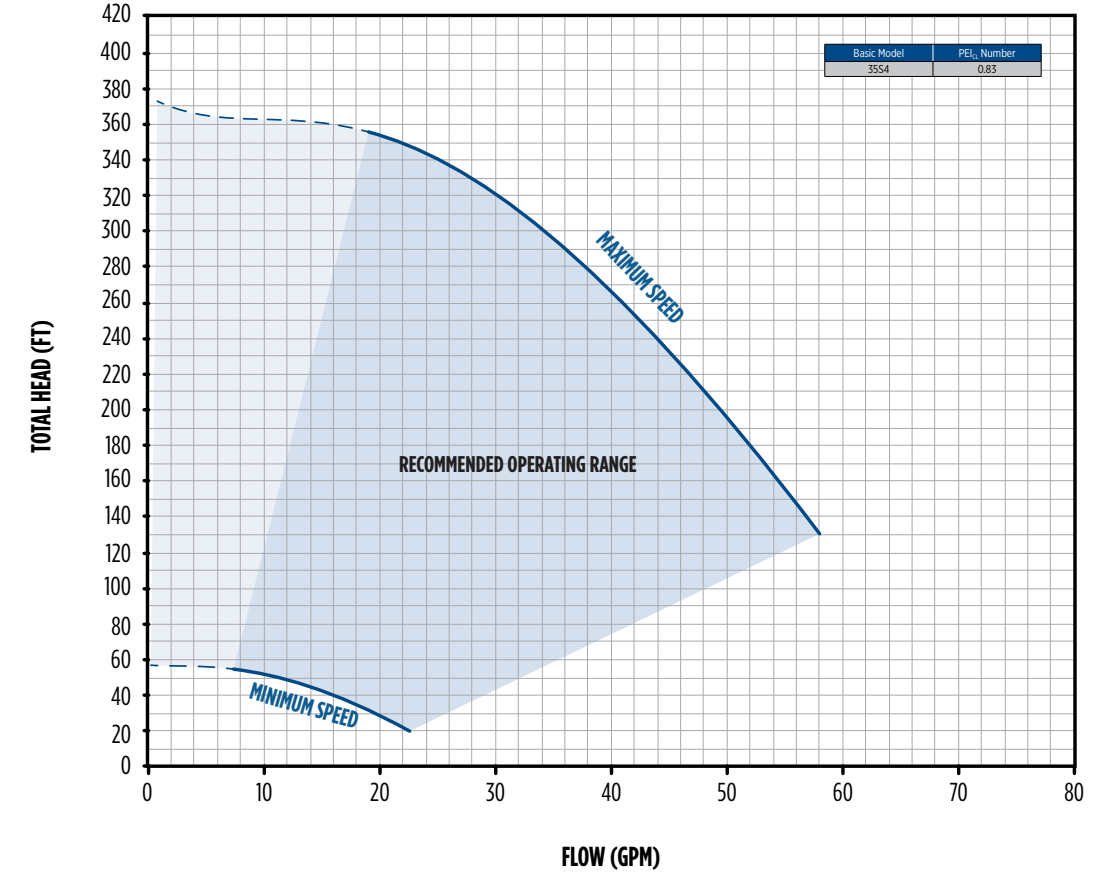


Model	PSI	Depth to Pumping Water Level (ft)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400
35PMQP-3.0HP-3RC	0							59	56	54	52	49	44	38	31	22	7
	10					60	58	56	54	51	49	46	40	34	26	14	
	20				60	58	56	53	51	48	46	43	37	29	20	1	
	30			60	57	55	53	50	48	45	42	39	33	24	12		
	40		59	57	55	53	50	48	45	42	39	36	28	18			
	50	59	57	55	52	50	47	44	42	38	35	31	23	9			
	60	56	54	52	49	47	44	41	38	35	31	27	16				
	70	54	51	49	46	44	41	37	34	30	26	21	5				
	80	51	49	46	43	40	37	33	30	25	20	14					
Shut-off PSI		175	167	158	149	141	132	123	115	106	97	89	71	54	37	19	2

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35SDQP-3.0HP-3RC/N4

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

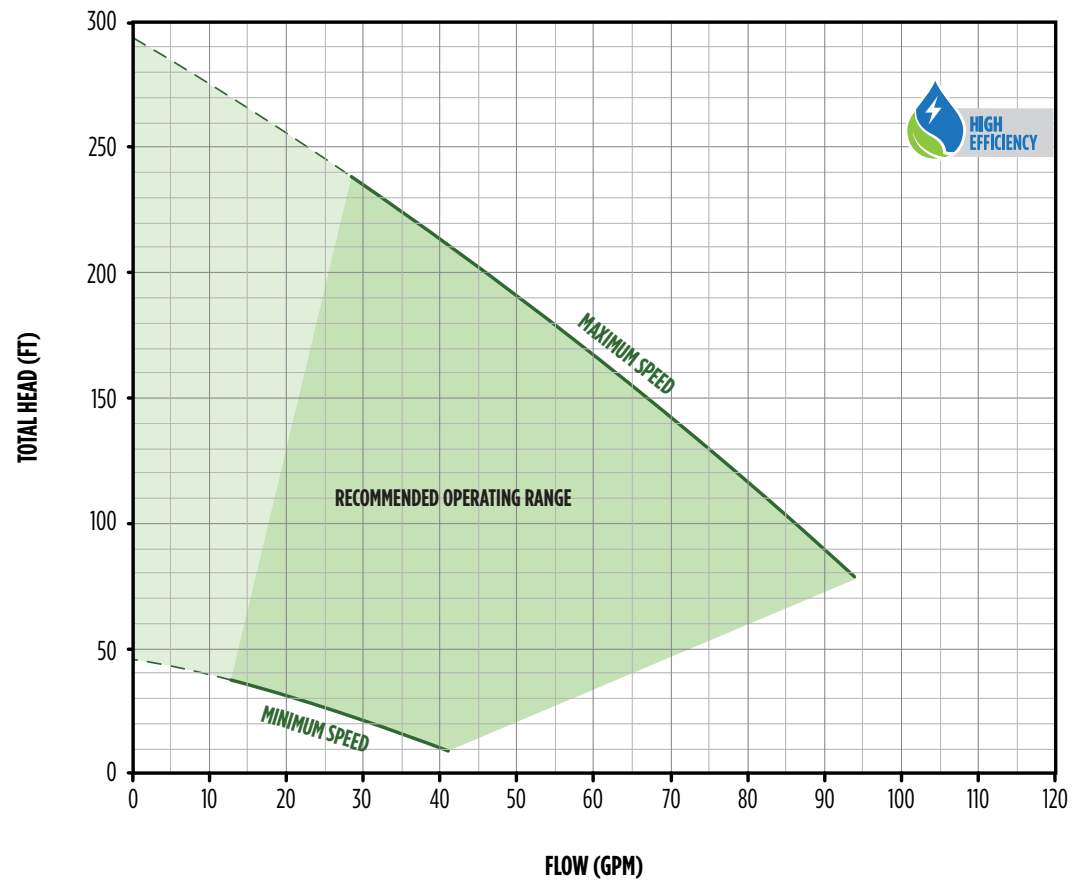


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	
3	0				58	57	55	53	51	48	44	36	27	18	
	10		60	58	57	55	53	50	47	44	40	32	23		
	20	60	58	56	55	52	50	47	43	40	36	28	19		
	30	58	56	54	52	49	46	43	39	36	32	24			
	40	56	54	52	49	46	42	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						
Shut-off PSI		161	152	144	135	126	118	109	101	92	83	62	40	18	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

60PMQP-3.0HP-3RC

SD30 | 60 GPM, 2 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

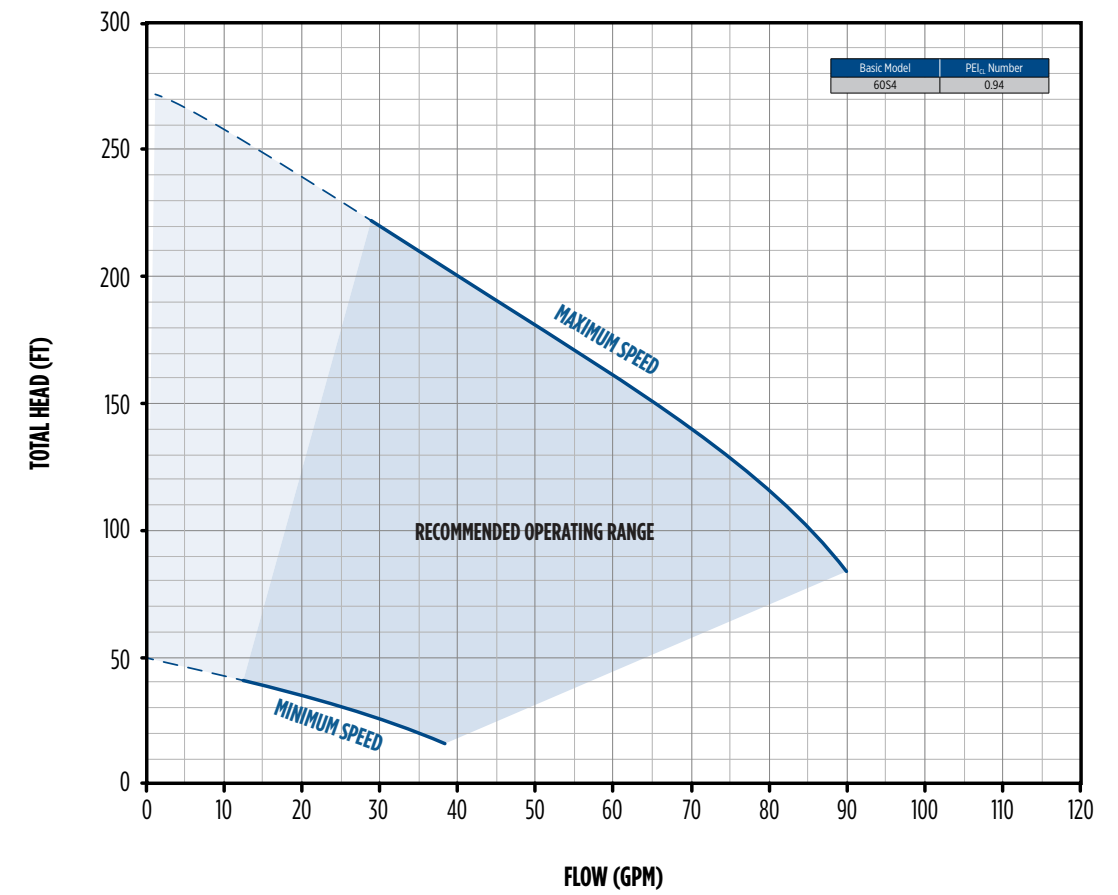


Model	PSI	Depth to Pumping Water Level (ft)												
		0	20	40	60	80	100	120	140	160	180	200	240	280
60PMQP-3.0HP-3RC	0					91	84	76	68	60	52	44	25	5
	10				90	83	75	67	59	51	42	33	14	
	20			89	81	74	66	58	50	41	32	22	1	
	30		88	80	73	65	57	48	39	30	21	10		
	40	86	79	71	64	55	47	38	29	19	9			
	50	78	70	62	54	45	37	27	17	7				
	60	69	61	53	44	35	26	16	5					
	70	60	51	43	34	24	14	4						
	80	50	41	32	23	13	2							
Shut-off PSI		126	117	108	100	91	82	74	65	56	48	39	22	4

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

60SDQP-3.0HP-3RC/N4

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

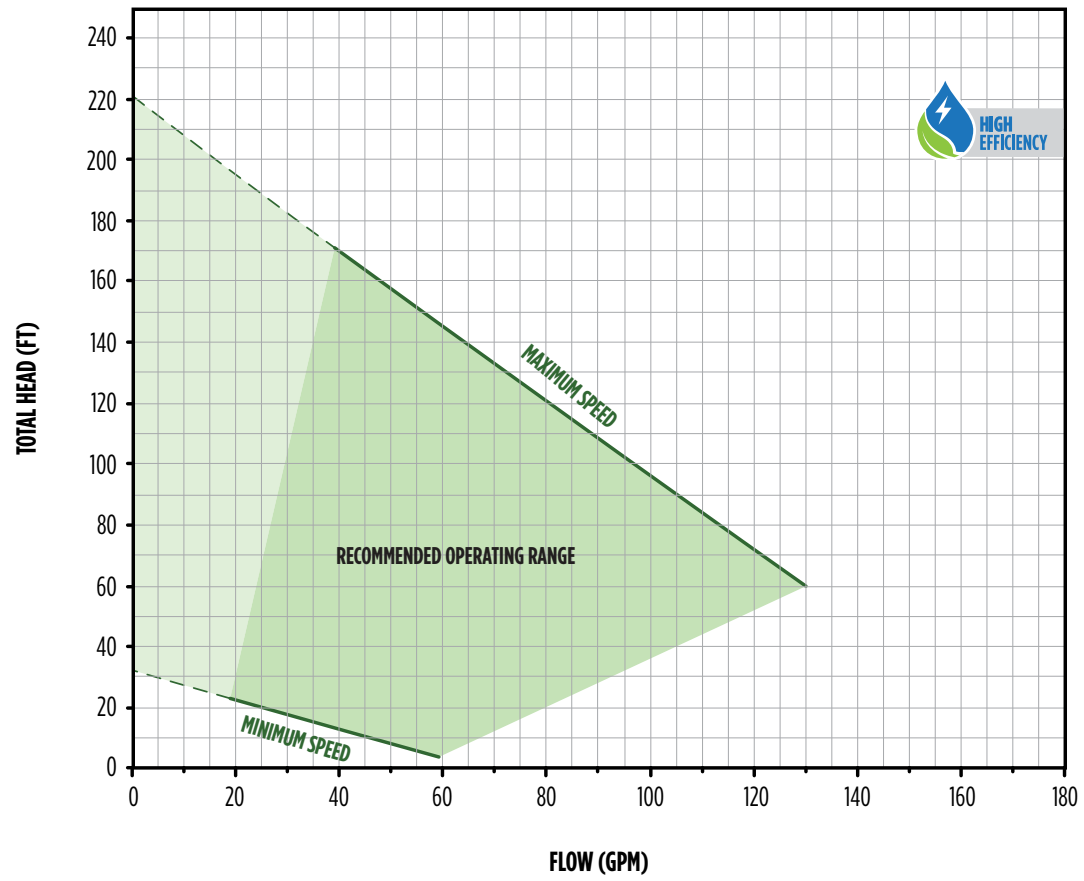


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	
3	0				91	93	81	72	64	56	49	41
	10				91	79	70	62	55	47	40	32
	20		89	78	69	61	54	46	39	31		
	30	87	76	68	60	53	45	38	30			
	40	75	66	59	51	44	36	29				
	50	65	58	50	43	35	28					
	60	57	49	42	34	26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

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

90PMQP-3.0HP-3RC

SD30 | 90 GPM, 2 HP PUMP END | 3 HP MAGFORCE HIGH EFFICIENCY MOTOR

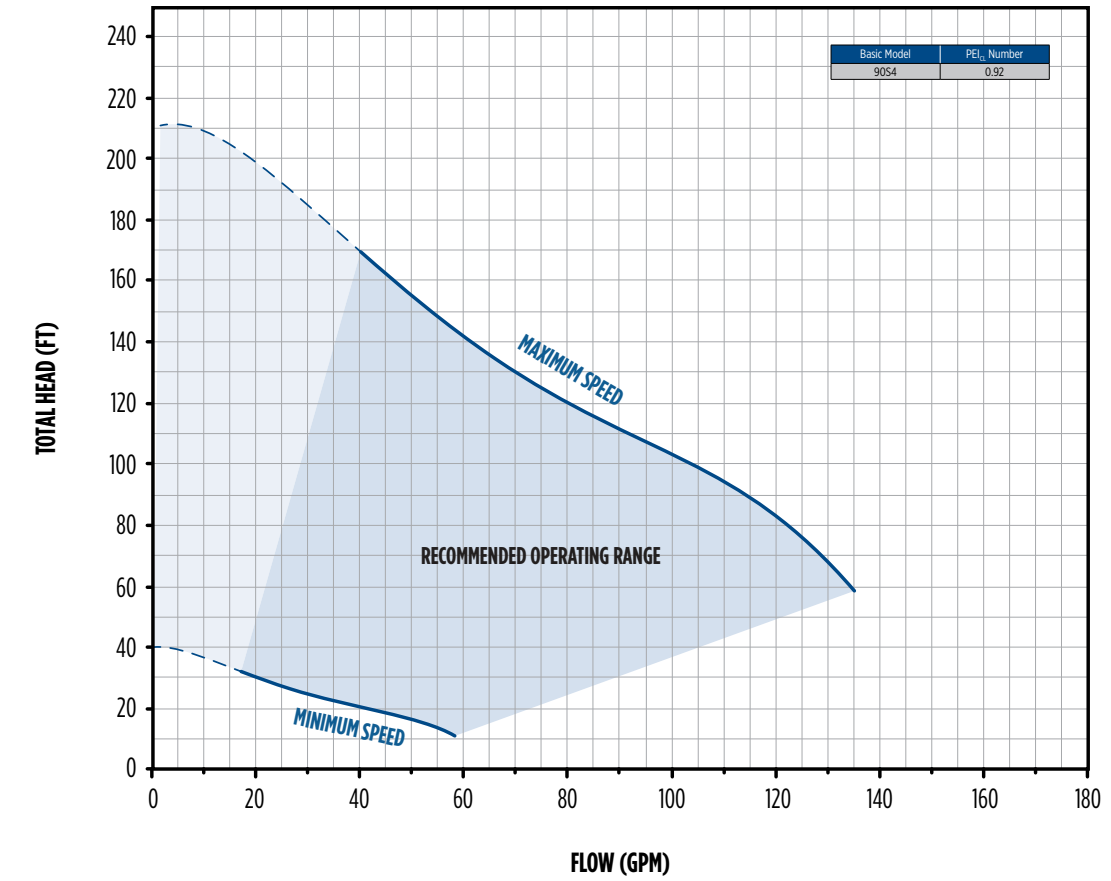


Model	PSI	Depth to Pumping Water Level (ft)											
		0	20	40	60	80	100	120	140	160	180	200	
90PMQP-3.0HP-3RC	0					115	98	82	65	48	32	15	
	10				113	96	79	62	46	29	13		
	20		127	110	93	76	60	43	26	10			
	30	124	107	91	74	57	40	24	7				
	40	105	88	71	55	38	21	5					
	50	85	69	52	35	19	2						
	60	66	49	33	16								
	70	47	30	14									
	80	28	11										
Shut-off PSI		93	85	76	67	59	50	41	33	24	15	7	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

90SDQP-3.0HP-3RC/N4

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

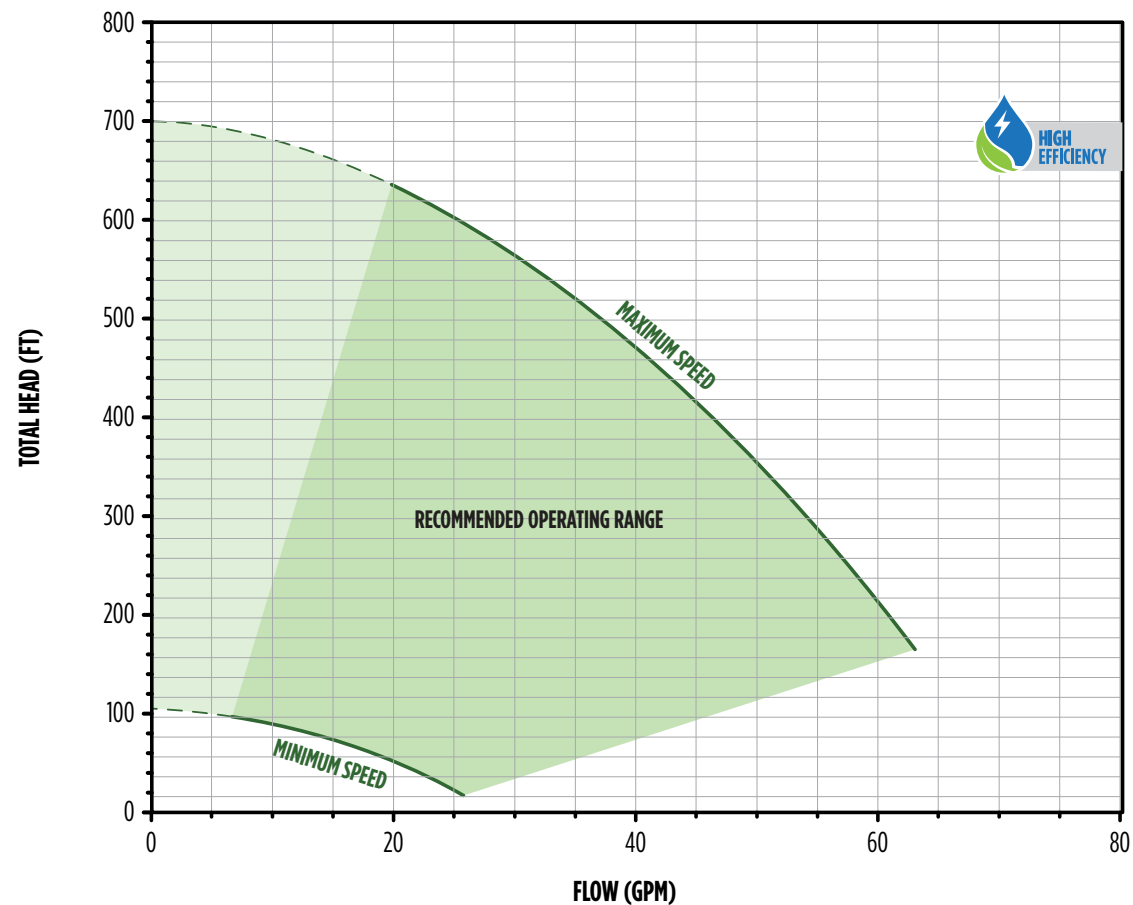


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)							
		20	40	60	80	100	120	140	
3	0				104	85	66	48	
	10	150	121	101	82	64	44		
	20	118	98	79	61	41			
	30	95	77	58					
	40	74	55						
	50	52							
Shut-off PSI		67	58	49	41	32	23	15	

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

35PMQP-5.0HP-3RC

SD50 | 35 GPM, 3 HP PUMP END | 5 HP MAGFORCE HIGH EFFICIENCY MOTOR

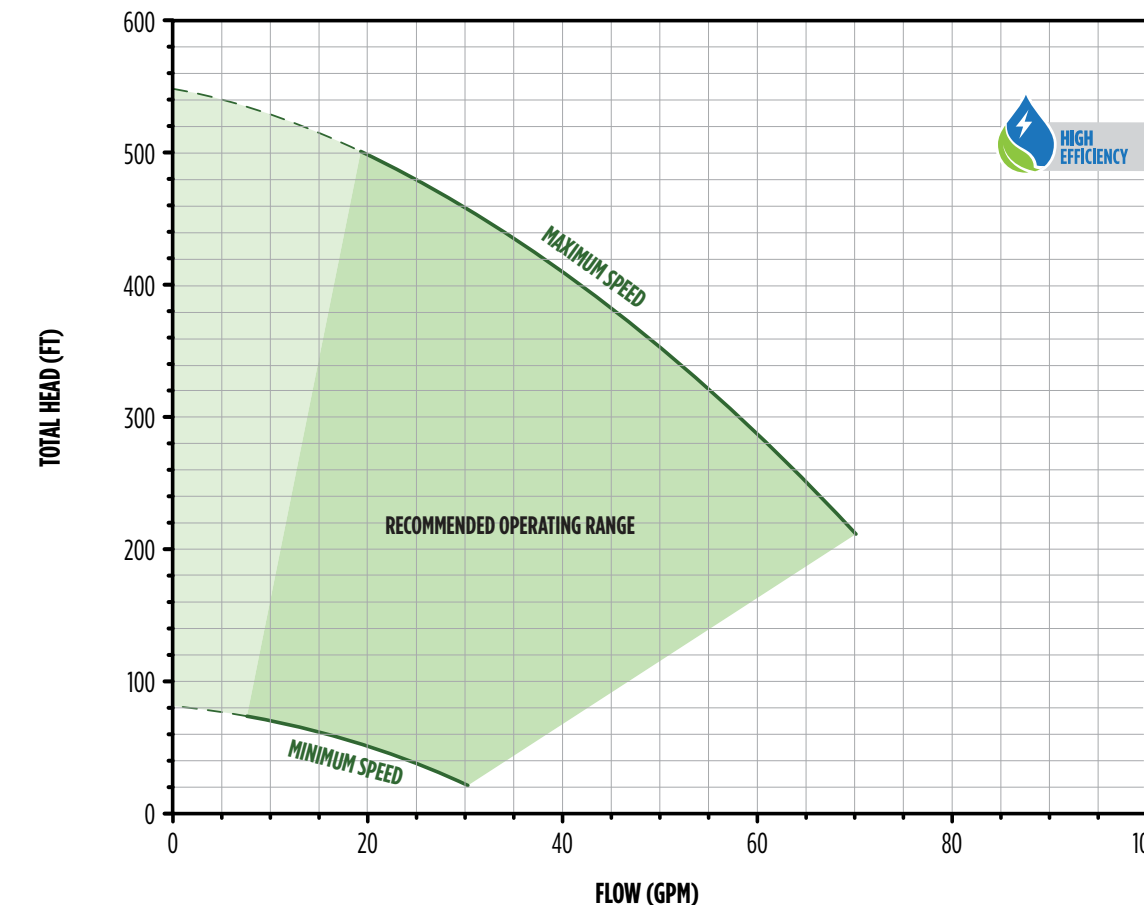


Model	PSI	Depth to Pumping Water Level (ft)																					
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650
35PMQP-5.0HP-3RC	0											57	55	52	49	46	42	38	36	31	25	17	2
	10										59	56	53	50	47	44	40	36	34	28	21	12	
	20									58	57	54	51	48	45	42	38	34	32	25	17	4	
	30							59	58	57	55	53	50	46	43	39	36	31	29	22	12		
	40						59	58	57	55	54	51	48	45	41	37	33	28	26	18	6		
	50					59	58	56	55	54	52	49	46	43	39	35	30	25	22	13			
	60				59	58	56	55	53	52	50	47	44	40	37	32	28	22	19	7			
	70			59	57	56	55	53	52	50	49	45	42	38	34	30	25	18	14				
	80			58	57	56	54	53	51	50	48	47	43	40	36	32	27	21	14	8			
Shut-off PSI	300	291	282	274	265	256	248	239	230	222	213	196	178	161	144	126	109	92	83	62	40	18	0

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

45PMQP-5.0HP-3RC

SD50 | 45 GPM, 3 HP PUMP END | 5 HP MAGFORCE HIGH EFFICIENCY MOTOR

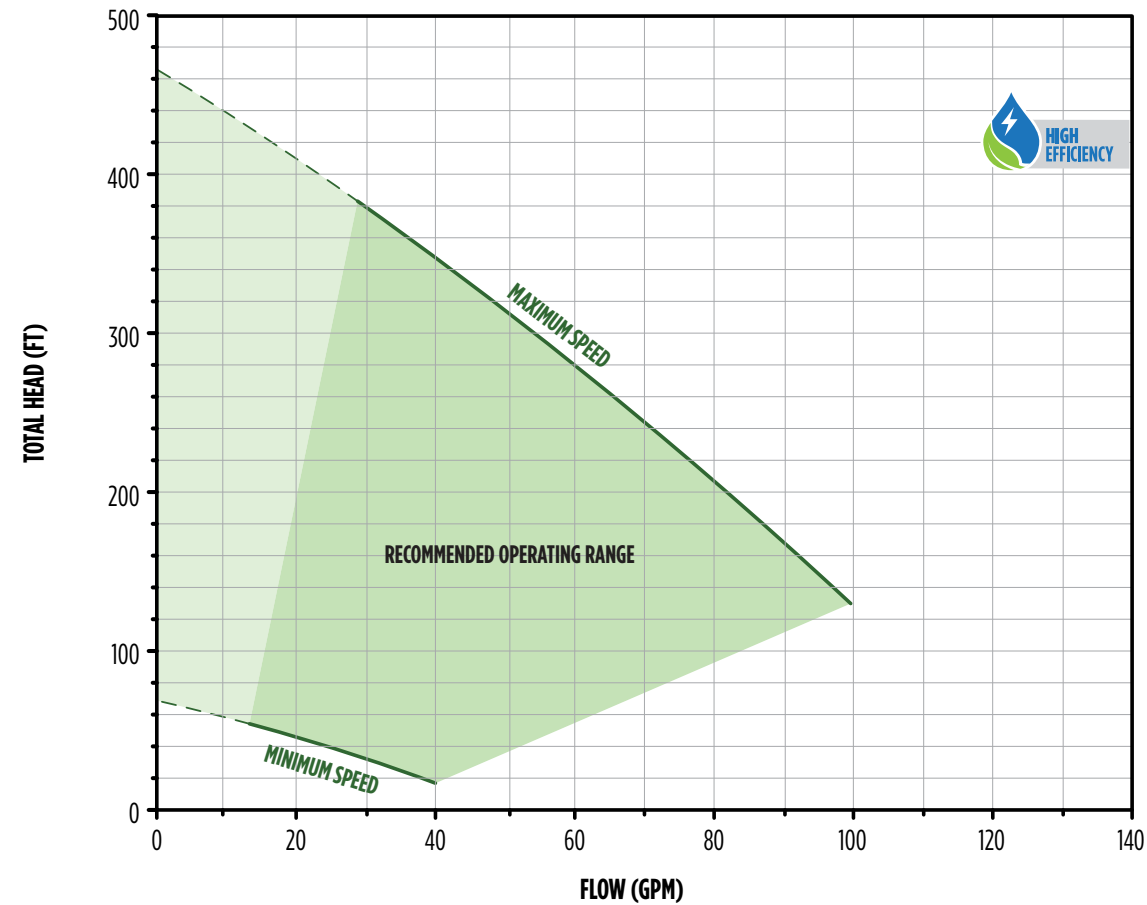


Model	PSI	Depth to Pumping Water Level (ft)																									
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500							
45PMQP-5.0HP-3RC	0																66	61	55	49	42	34	25	19			
	10																68	63	57	51	45	37	29	18	12		
	20															68	65	60	54	48	41	33	23	10	1		
	30															67	65	62	56	50	44	36	27	16			
	40															69	67	64	62	59	53	47	39	31	21	8	
	50															69	66	64	61	58	56	49	43	35	26	14	
	60															69	66	63	61	58	55	52	45	38	30	20	5
	70															68	66	63	60	58	55	52	48	41	34	24	12
	80															68	66	63	60	57	54	51	48	44	37	28	18
Shut-off PSI	232	224	215	206	198	189	180	172	163	154	146	128	111	94	76	59	42	25	16								

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

60PMQP-5.0HP-3RC

SD50 | 60 GPM, 3 HP PUMP END | 5 HP MAGFORCE HIGH EFFICIENCY MOTOR

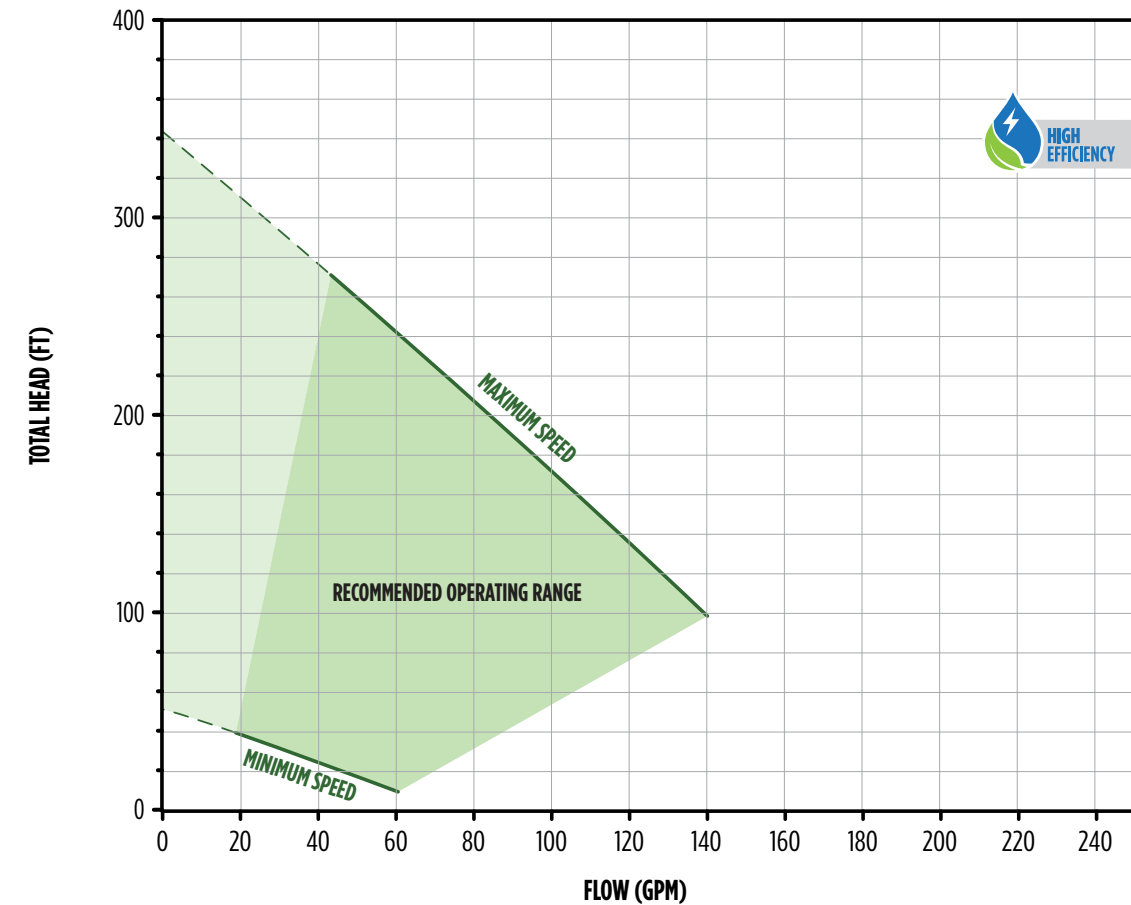


Model	PSI	Depth to Pumping Water Level (ft)																
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440
60PMQP-5.0HP-3RC	0									87	81	71	60	48	36	23	9	
	10								86	81	75	64	53	41	28	15		
	20							85	80	74	69	58	46	34	21	7		
	30						89	84	79	74	68	63	51	39	26	13		
	40				88	83	78	73	67	62	56	44	32	19	4			
	50			88	83	77	72	67	61	55	49	37	24	10				
	60		87	82	77	71	66	60	54	48	42	30	16	2				
	70	86	81	76	70	65	59	53	48	41	35	22	8					
	80	85	80	75	69	64	58	53	47	41	34	28	14					
Shut-off PSI		201	193	184	175	167	158	149	141	132	123	115	97	80	63	45	28	11

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

90PMQP-5.0HP-3RC

SD50 | 90 GPM, 3 HP PUMP END | 5 HP MAGFORCE HIGH EFFICIENCY MOTOR



Model	PSI	Depth to Pumping Water Level (ft)																
		0	20	40	60	80	100	120	140	160	180	200	240	280	320			
90PMQP-5.0HP-3RC	0										128	117	106	95	84	61	37	13
	10									126	115	104	93	82	70	47	24	
	20						124	114	103	91	80	69	57	34	10			
	30				123	112	101	90	78	67	55	44	20					
	40			121	110	99	88	77	65	54	42	30	6					
	50		119	108	97	86	75	63	52	40	28	16						
	60	118	107	96	84	73	62	50	38	26	14	2						
	70	105	94	83	71	60	48	36	24	12								
	80	92	81	69	58	46	34	23	10									
Shut-off PSI		148	139	131	122	113	105	96	87	79	70	61	44	27	9			

NOTE: Running outside of 'Recommend Operating Range' for short periods of time is permissible. Actual maximum performance of the SubDrive QuickPAK system is limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the MagForce High Efficiency motor.

SUBDRIVE QUICKPAK WITH THREE-WIRE MOTOR - ORDERING INFORMATION

SYSTEMS OPTIMIZED WITH SUBDRIVE CONNECT

QuickPAK			Subdrive		Pump				Motor			
Order No.	Model No.	GPM	Drive Type	Part No.	GPM	HP	Hydraulics	Description	Part No.	HP	Voltage	Part No.
93975111C	5-3WQP-0.5HP-3RC	5	SD20	5870205313C	5	0.5	3200	5SD05S4-PE	93870505	0.5	230V 1-PH (3W)	2145059004GS
93975112C	5-3WQP-0.75HP-3RC	5	SD20	5870205313C	5	0.75	3200	5SD07S4-PE	93870507	0.75		2145079004GS
93975113C	5-3WQP-1.0HP-3RC	5	SD20	5870205313C	5	1	3200	5SD1S4-PE	93870510	1		2145089003GS
93975121C	7-3WQP-0.5HP-3RC	7	SD20	5870205313C	7	0.5	3200	7SD05S4-PE	93870705	0.5		2145059004GS
93975122C	7-3WQP-0.75HP-3RC	7	SD20	5870205313C	7	0.75	3200	7SD07S4-PE	93870707	0.75		2145079004GS
93975123C	7-3WQP-1.0HP-3RC	7	SD20	5870205313C	7	1	3200	7SD1S4-PE	93870710	1		2145089003GS
93975131C	10-3WQP-0.5HP-3RC	10	SD20	5870205313C	10	0.5	3200	10SD05S4-PE	93871004	0.5		2145059004GS
93975132C	10-3WQP-0.75HP-3RC	10	SD20	5870205313C	10	0.75	3200	10SD07S4-PE	93871006	0.75		2145079004GS
93975133C	10-3WQP-1.0HP-3RC	10	SD20	5870205313C	10	1	3200	10SD1S4-PE	93871009	1		2145089003GS
93975234C	10-3WQP-1.5HP-3RC	10	SD20	5870205313C	10	1.5	3200	10SD15S4-PE	93871014	1.5		2243009203GS
93975235C	10-3WQP-2.0HP-3RC	10	SD20	5870205313C	10	2	Tri-Seal	10SD2S4-PE	93871020	2		2243019204GS
93975141C	15-3WQP-0.5HP-3RC	15	SD20	5870205313C	15	0.5	Tri-Seal	15SD05S4-PE	93871505	0.5		2145059004GS
93975142C	15-3WQP-0.75HP-3RC	15	SD20	5870205313C	15	0.75	Tri-Seal	15SD07S4-PE	93871507	0.75		2145079004GS
93975143C	15-3WQP-1.0HP-3RC	15	SD20	5870205313C	15	1	Tri-Seal	15SD1S4-PE	93871510	1		2145089003GS
93975244C	15-3WQP-1.5HP-3RC	15	SD20	5870205313C	15	1.5	Tri-Seal	15SD15S4-PE	93871515	1.5		2243009203GS
93975245C	15-3WQP-2.0HP-3RC	15	SD20	5870205313C	15	2	Tri-Seal	15SD2S4-PE	93871520	2		2243019204GS
93975152C	20-3WQP-0.75HP-3RC	20	SD20	5870205313C	20	0.75	Tri-Seal	20SD07S4-PE	93872007	0.75		2145079004GS
93975153C	20-3WQP-1.0HP-3RC	20	SD20	5870205313C	20	1	Tri-Seal	20SD1S4-PE	93872010	1		2145089003GS
93975254C	20-3WQP-1.5HP-3RC	20	SD20	5870205313C	20	1.5	Tri-Seal	20SD15S4-PE	93872015	1.5		2243009203GS
93975255C	20-3WQP-2.0HP-3RC	20	SD20	5870205313C	20	2	Tri-Seal	20SD2S4-PE	93872020	2		2243019204GS
93975163C	25-3WQP-1.0HP-3RC	25	SD20	5870205313C	25	1	Tri-Seal	25SD1S4-PE	93872510	1		2145089003GS
93975264C	25-3WQP-1.5HP-3RC	25	SD20	5870205313C	25	1.5	Tri-Seal	25SD15S4-PE	93872515	1.5		2243009203GS
93975265C	25-3WQP-2.0HP-3RC	25	SD20	5870205313C	25	2	Tri-Seal	25SD2S4-PE	93872520	2		2243019204GS

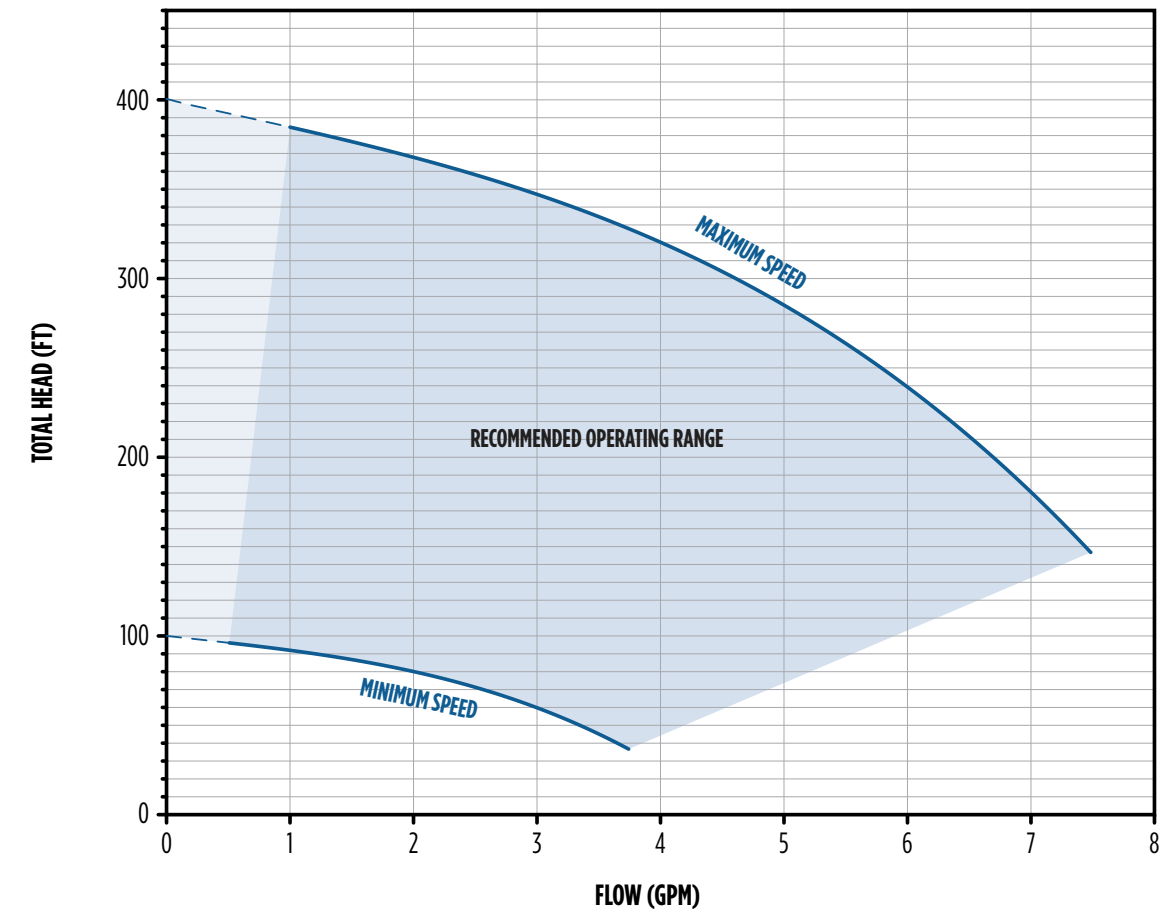
NOTE: Verify dip switches are set properly; please refer to the owner's manual for dip switch settings

OUTPUT WIRE SIZING FOR SINGLE-PHASE, 3-WIRE INDUCTION MOTOR

Drive Model	Motor Series	HP	SF Amps	AWG 600V Copper Wire Sizes, 75C Insulation, Motor Cable Lengths (in feet)					
				14	12	10	8	6	4
SubDrive20	214 505 xxxx	0.5	6.0	400	650	1000	-	-	-
SubDrive20	214 507 xxxx	0.75	8.0	300	480	760	1000	-	-
SubDrive20	214 508 xxxx	1	10.4	250	400	630	990	1000	-
SubDrive20	224 300 xxxx	1.5	11.5	190	310	480	770	1000	-
SubDrive20	224 301 xxxx	2	13.2	150	250	390	620	970	1000

5-3WQP-0.5HP-3RC

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

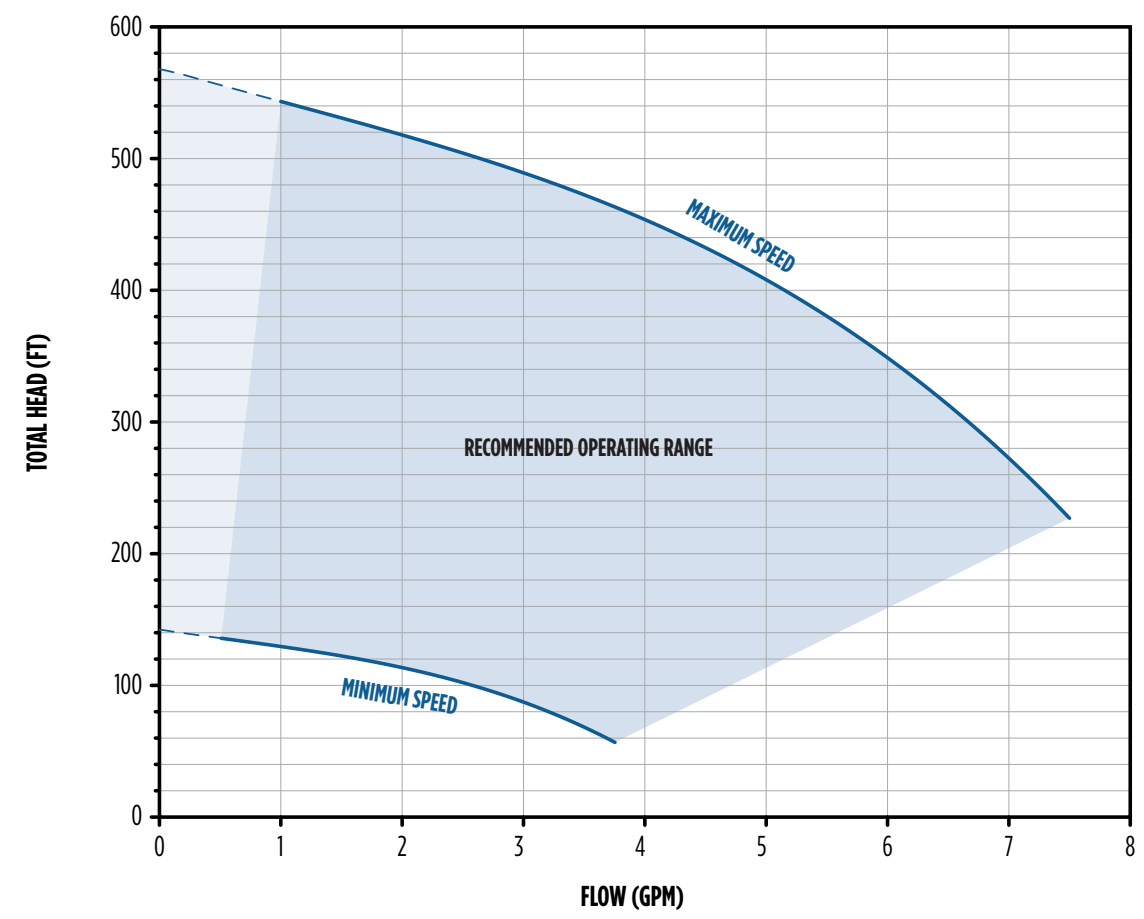


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																Shut-Off (ft)							
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500		600	700	800	900	1000		
1/2	0				8	8	8	7	7	7	6	5	4	3											390
	20		8	8	8	7	7	7	6	6	6	4	3												
	30	8	8	7	7	7	7	6	6	6	5	4													
	40	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

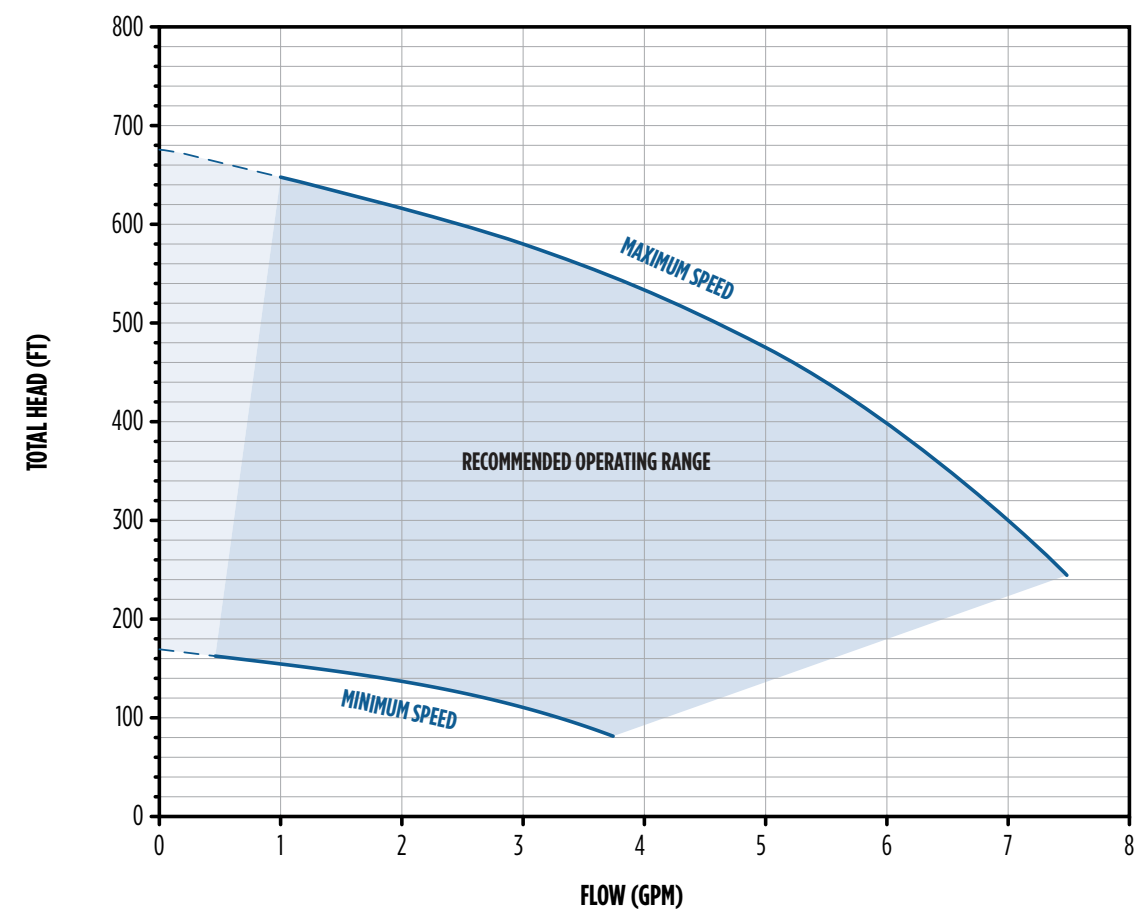


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	
.75	0									8	8	7	7	6	6	5	4	3	3			
	10								8	8	8	7	7	6	5	5	4	3	2			
	20						8	8	8	7	7	7	6	6	5	4	3	2				
	30						8	8	8	7	7	7	6	6	5	4	3					
	40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

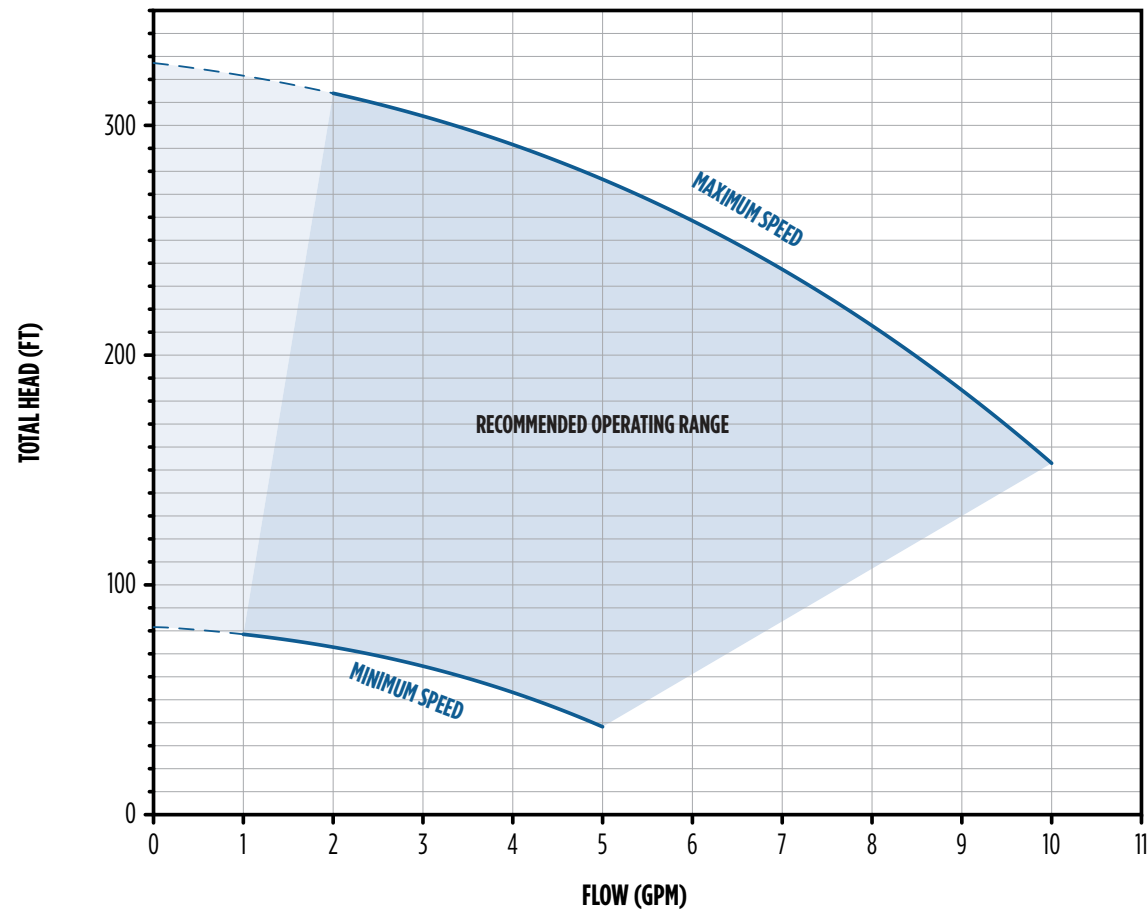


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																											
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650						
1	0															8	8	7	7	6	6	5	5	4	3				
	10															8	8	7	7	7	6	6	5	5	4	3	2		
	20															8	8	7	7	7	6	6	5	5	4	4	3	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

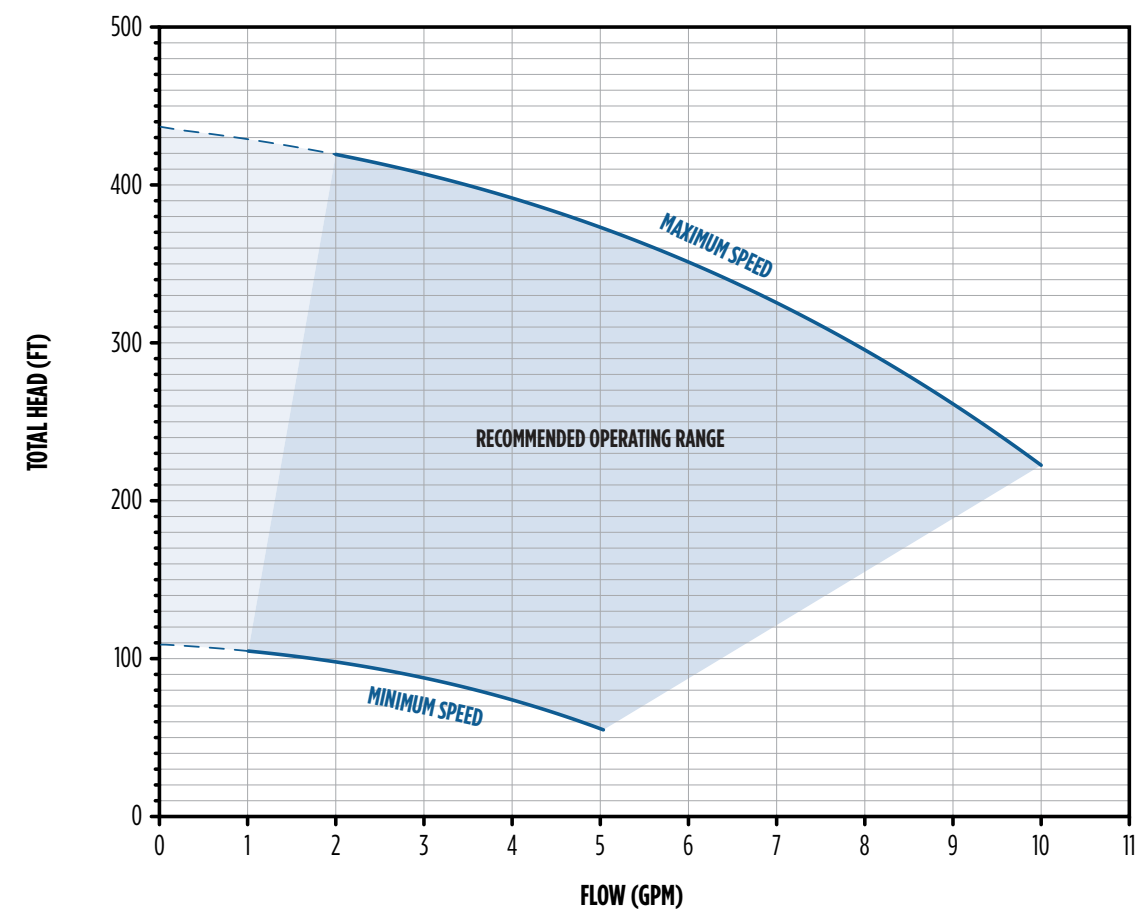


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	
.5	0							11	10	10	9	8	7	5			
	10						11	10	10	9	8	8	6	3			
	20					11	10	10	9	8	7	7	4				
	30				11	10	9	9	8	7	6	5	3				
	40			11	10	9	9	8	7	6	5	4					
	50		11	10	9	9	8	7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

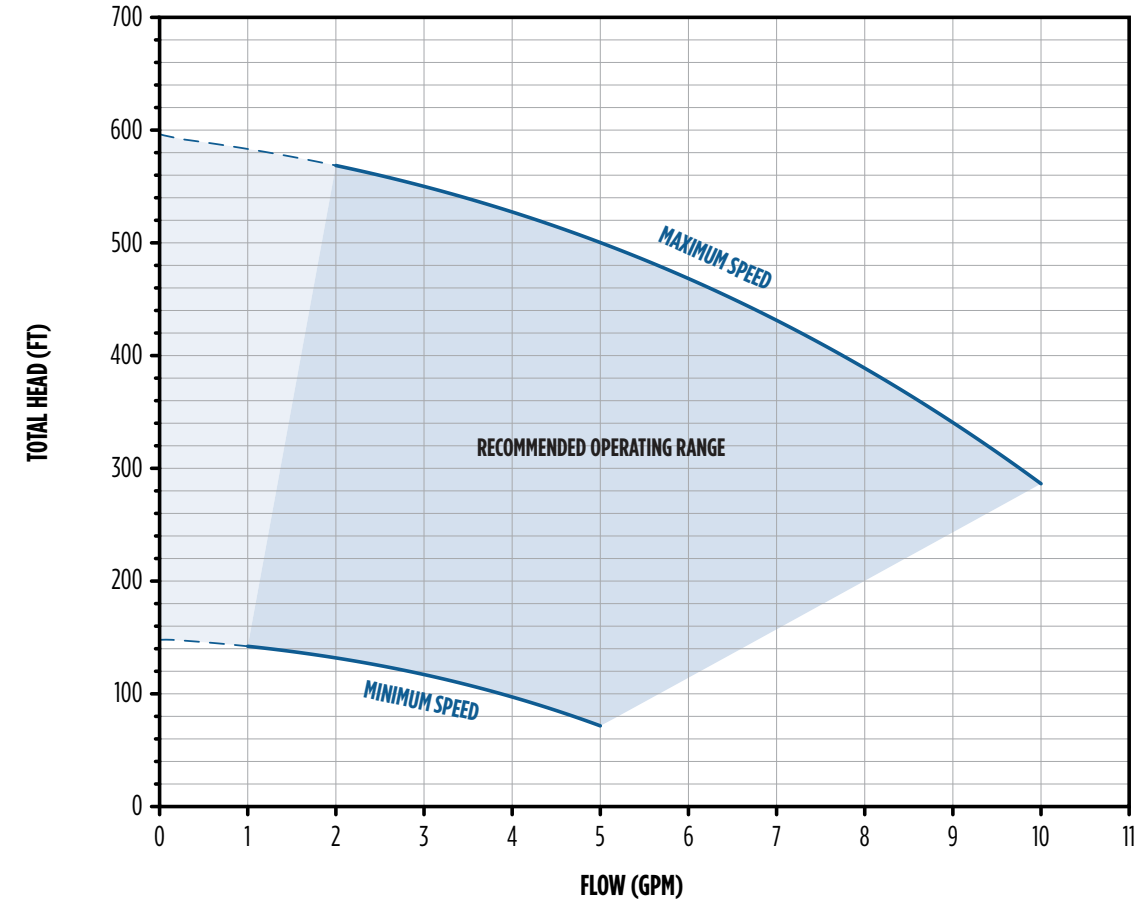


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																	
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400		
.75	0																		
	10																		
	20																		
	30																		
	40																		
	50																		
	60																		
	70							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

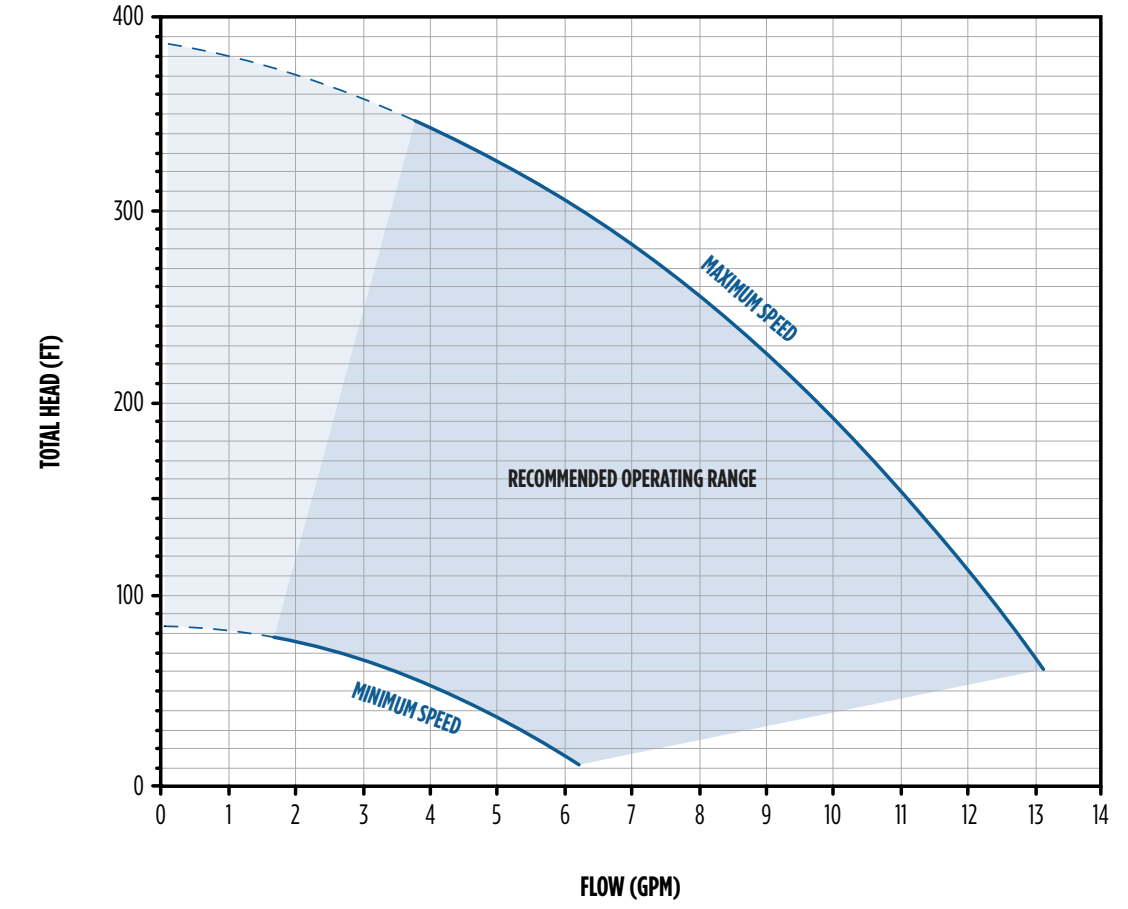


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550
1	0										11	11	10	9	9	8	7	6	5	3	
	10									11	11	10	10	9	8	7	6	5	4	2	
	20									11	11	10	9	8	8	7	6	4	3		
	30									11	11	10	10	9	8	7	6	5	3	2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

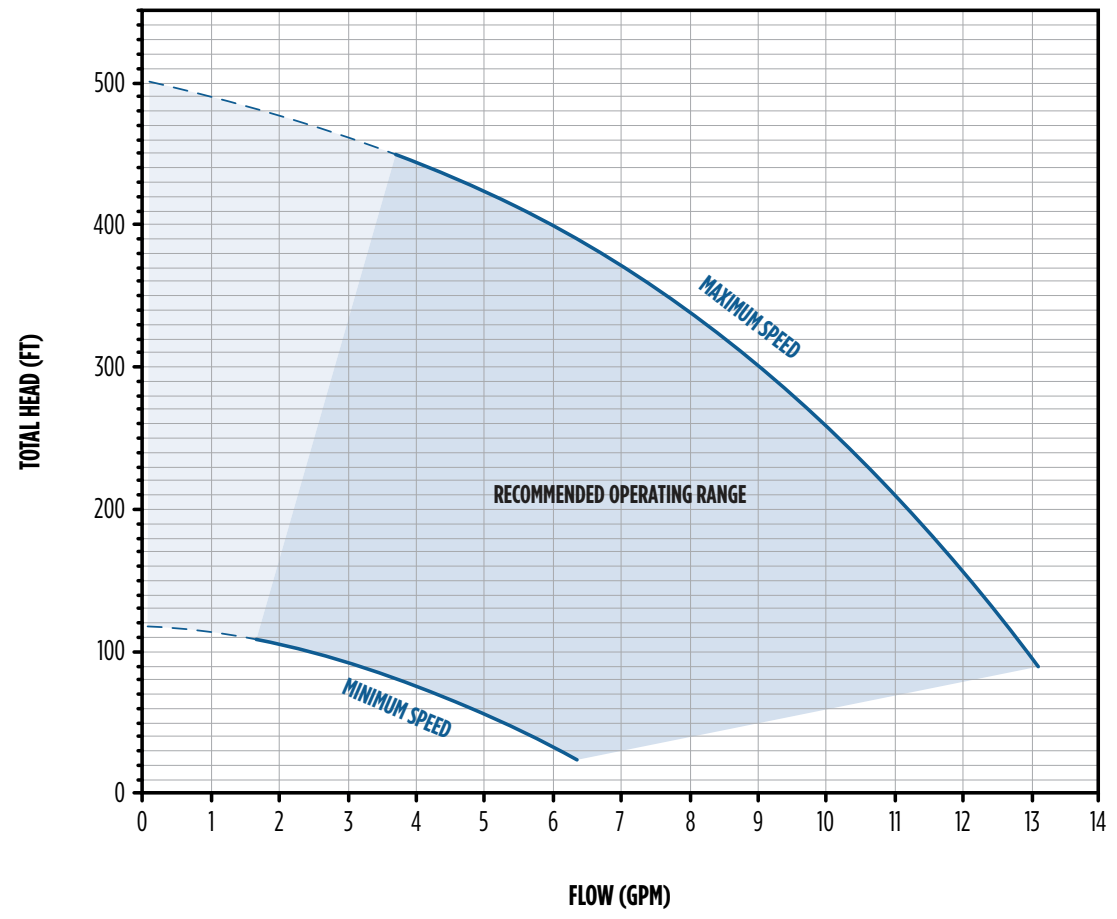


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
.5	0				12.7	12.3	11.9	11.4	10.9	10.4	9.8	8.3	6.3
	10			12.7	12.2	11.8	11.3	10.8	10.3	9.7	9.1	7.4	5.2
	20	13.0	12.6	12.2	11.7	11.2	10.7	10.2	9.6	9.0	8.4	6.5	3.9
	30	12.5	12.1	11.6	11.2	10.7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

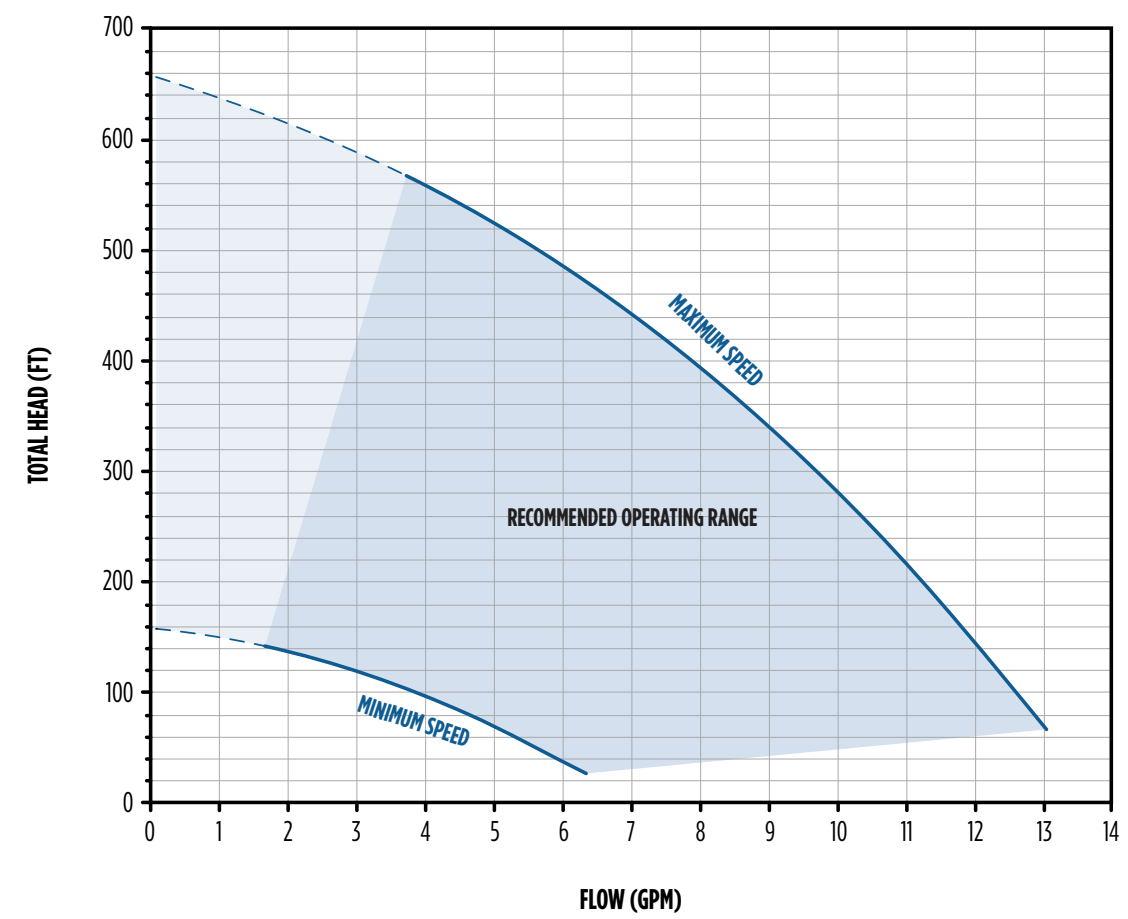


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)															
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	
.75	0					13.0	12.6	12.3	12.0	11.6	11.2	10.2	9.1	7.7	6.0	3.7	
	10				12.9	12.6	12.3	11.9	11.6	11.2	10.8	9.7	8.5	7.0	5.1	2.3	
	20			12.9	12.5	12.2	11.9	11.5	11.1	10.7	10.3	9.2	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				
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

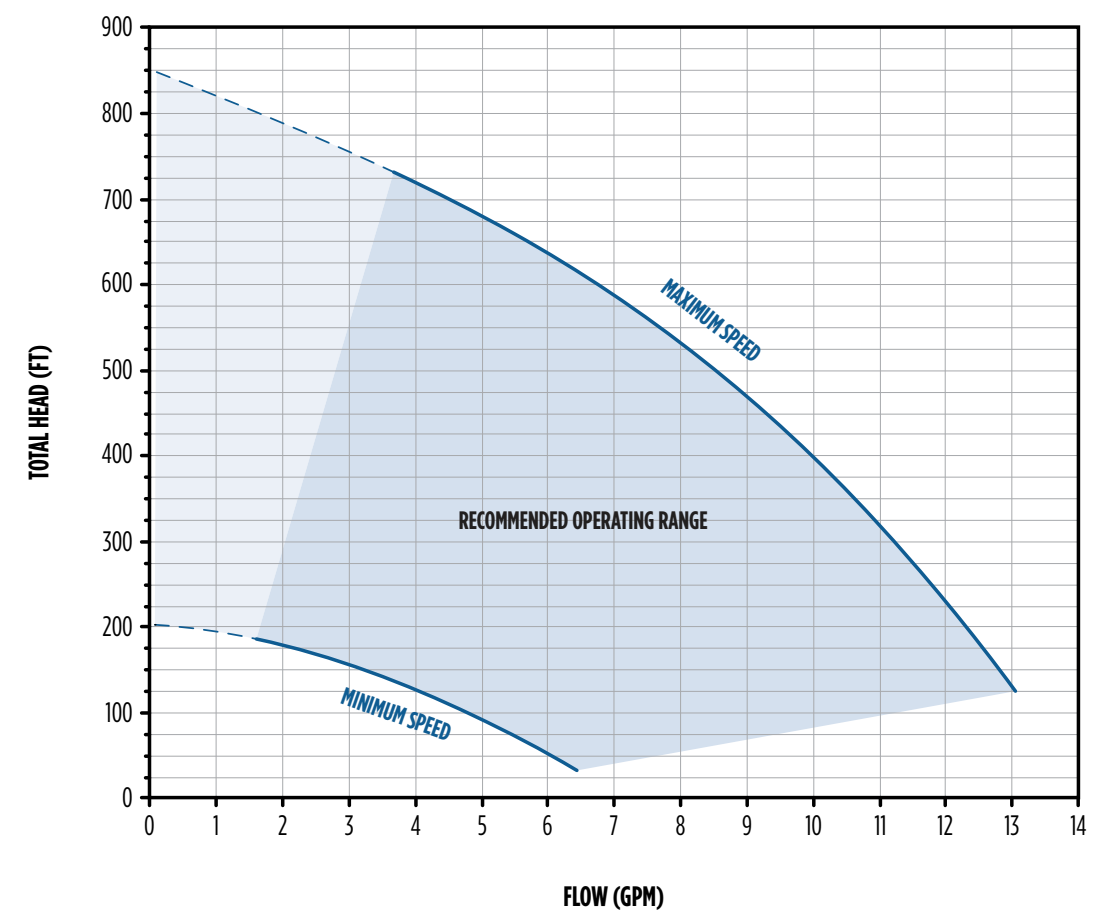


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																					
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550					
1	0								12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.9	10.5	9.7	8.9	7.9	6.9	5.7	4.4
	10				12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.2	9.3	8.4	7.4	6.3	5.1	3.6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

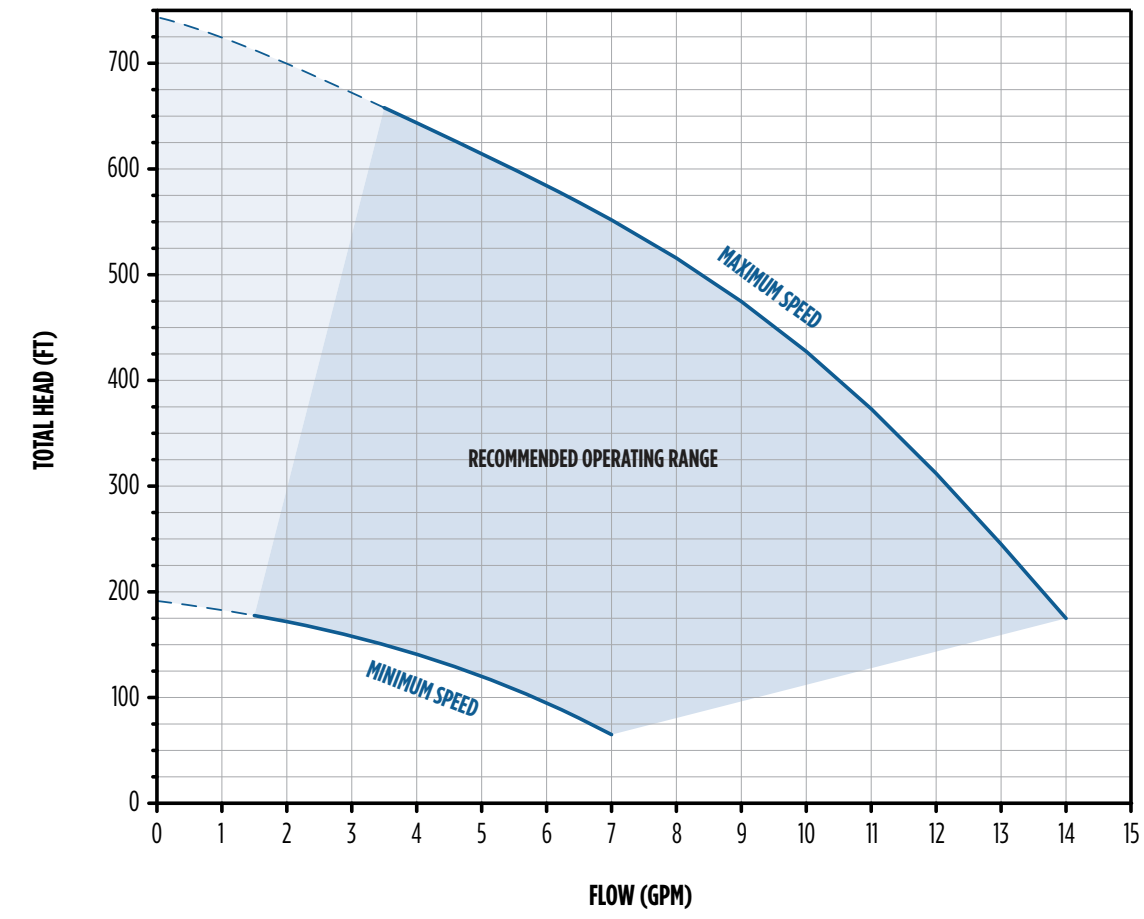


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700
1.5	0							13.0	12.8	12.6	12.4	11.8	11.3	10.7	10.0	9.3	8.6	7.7	6.8	5.8	4.6
	10						12.9	12.7	12.5	12.3	12.1	11.6	11.0	10.4	9.7	9.0	8.2	7.3	6.4	5.3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

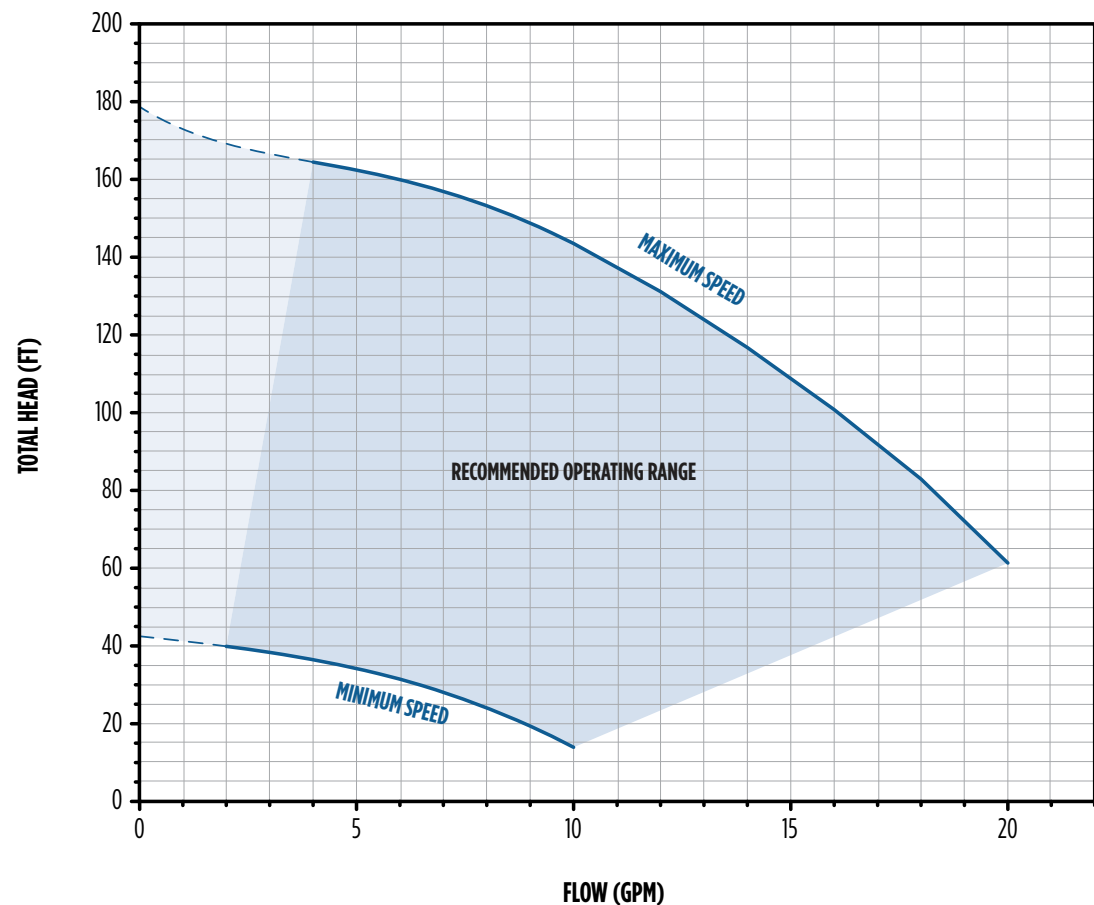


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																										
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700							
2	0															13.9	13.6	12.9	12.2	11.4	10.6	9.5	8.3	7.0	5.5	3.8	2.0	
	10															13.9	13.5	13.3	12.6	11.9	11.1	10.1	9.0	7.7	6.3	4.8	3.0	
	20														13.8	13.5	13.2	12.9	12.2	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
	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										
	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											
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

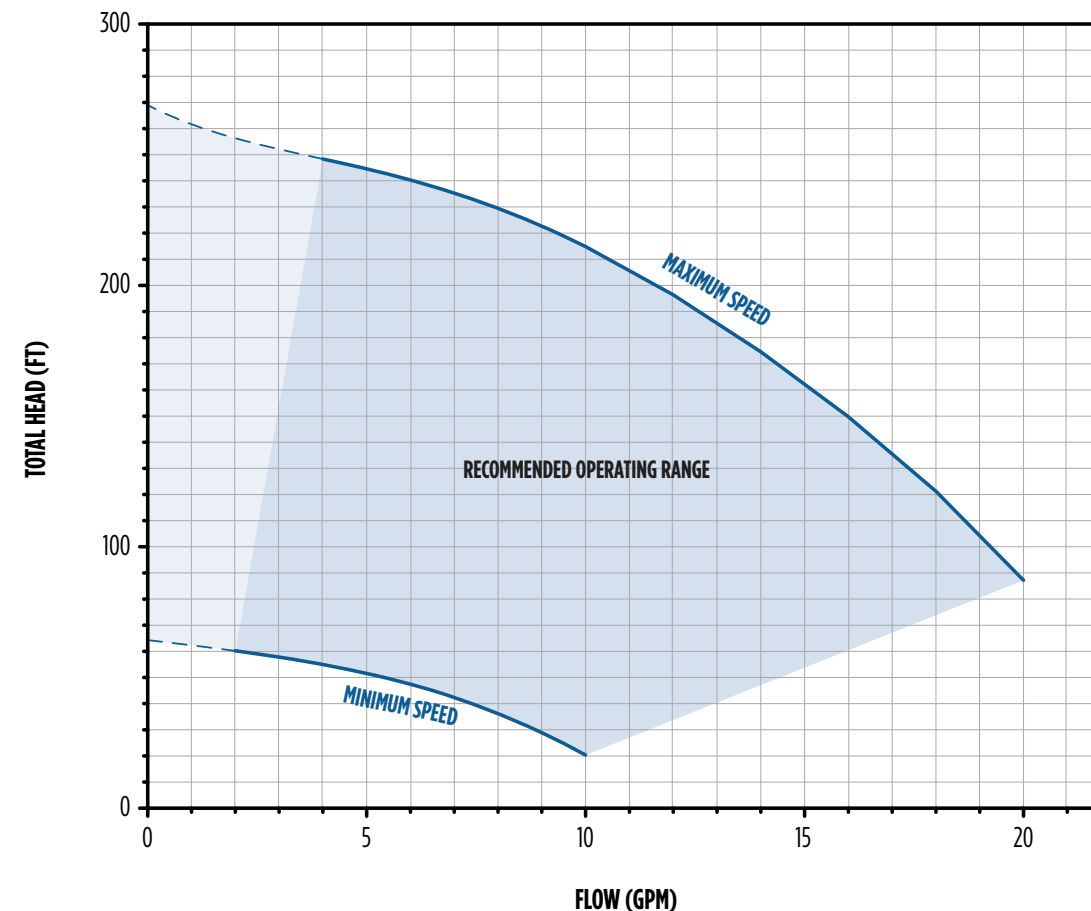


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)									
		20	40	60	80	100	120	140	160	180	
.5	0				18.8	15.6	13.7	11.1	5.5		
	10		20.2	18.3	15.2	13.4	10.5	4.4			
	20	20.3	17.7	14.9	13.1	9.8	3.4				
	30	17.2	14.6	12.8	9.0	2.3					
	40	14.3	12.4	8.0	1.3						
	50	11.9	7.1								
	60	6.0						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

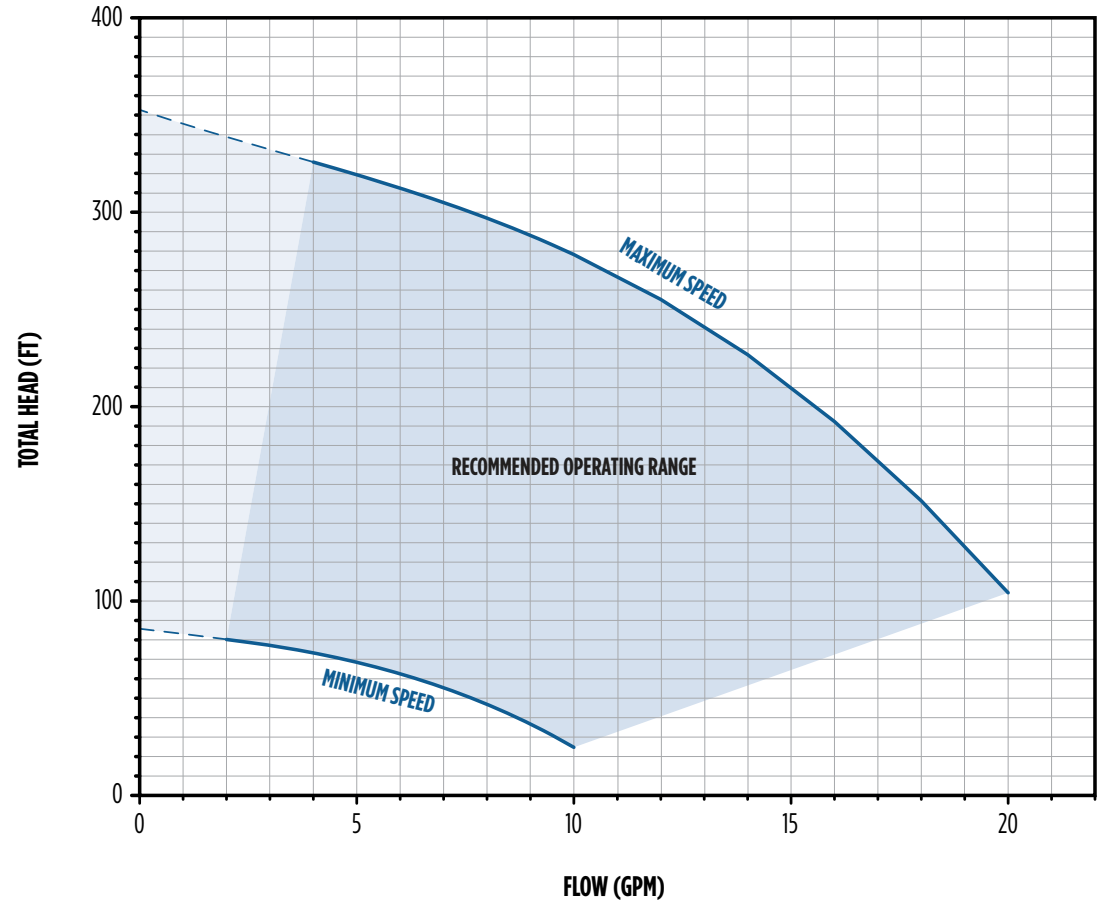


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
.75	0					20.0	18.3	16.4	14.9	13.6	12.0	3.6
	10				19.8	18.0	16.1	14.7	13.4	11.7	9.0	
	20			19.6	17.7	15.9	14.5	13.2	11.4	8.5	4.4	
	30	20.1	19.3	17.4	15.7	14.3	13.0	11.0	7.9	3.8		
	40	19.1	17.1	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								
	Shut-off PSI		108	99	90	82	73	65	56	47	39	30

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

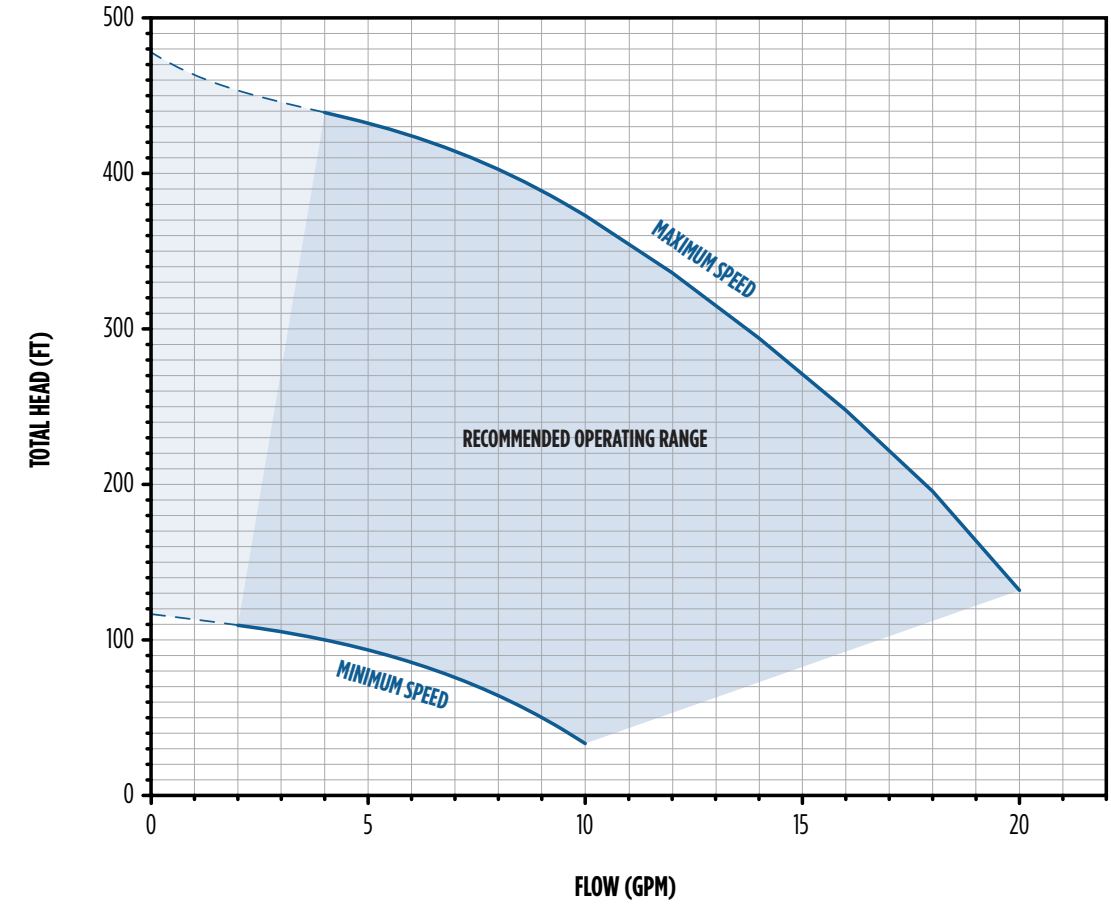


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1	0						19.6	18.7	17.6	16.5	15.5	12.5	7.6
	10					19.5	18.5	17.4	16.4	15.3	14.2	10.6	4.4
	20			20.0	19.3	18.4	17.3	16.2	15.2	14.1	12.8	8.1	
	30		19.9	19.2	18.2	17.1	16.0	15.0	13.9	12.6	10.9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

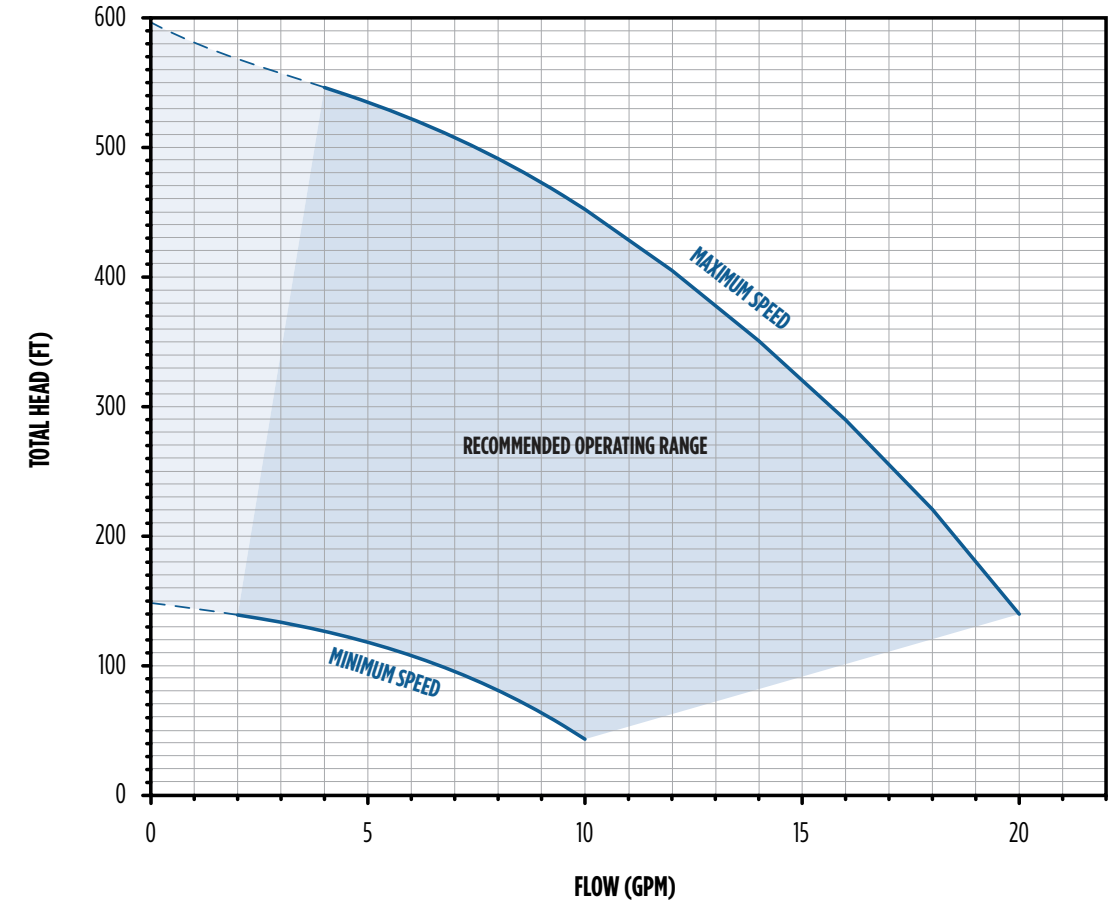


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450			
1.5	0										20.1	19.9	19.1	18.0	15.5	13.7	11.7	8.1	2.7
	10										20.1	19.8	18.9	17.8	16.8	14.6	12.9	10.3	5.8
	20									20.1	19.7	18.8	17.7	16.6	15.7	13.8	11.9	8.5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

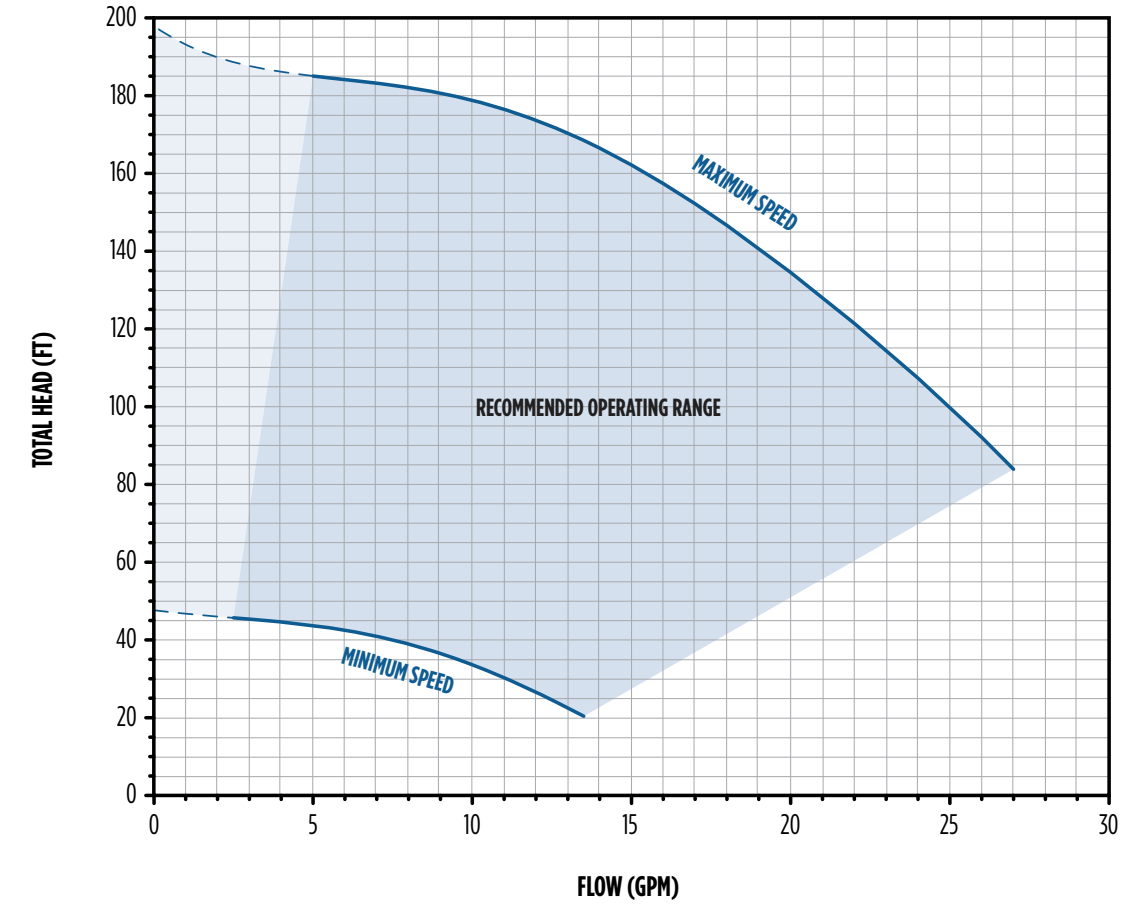


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
2	0							20.0	19.8	19.4	18.8	17.1	15.5	14.0	12.4	10.3	7.4	3.7
	10						20.0	19.8	19.3	18.7	18.1	16.3	14.8	13.3	11.5	9.1	5.8	1.7
	20					20.0	19.7	19.2	18.6	18.0	17.3	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				
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

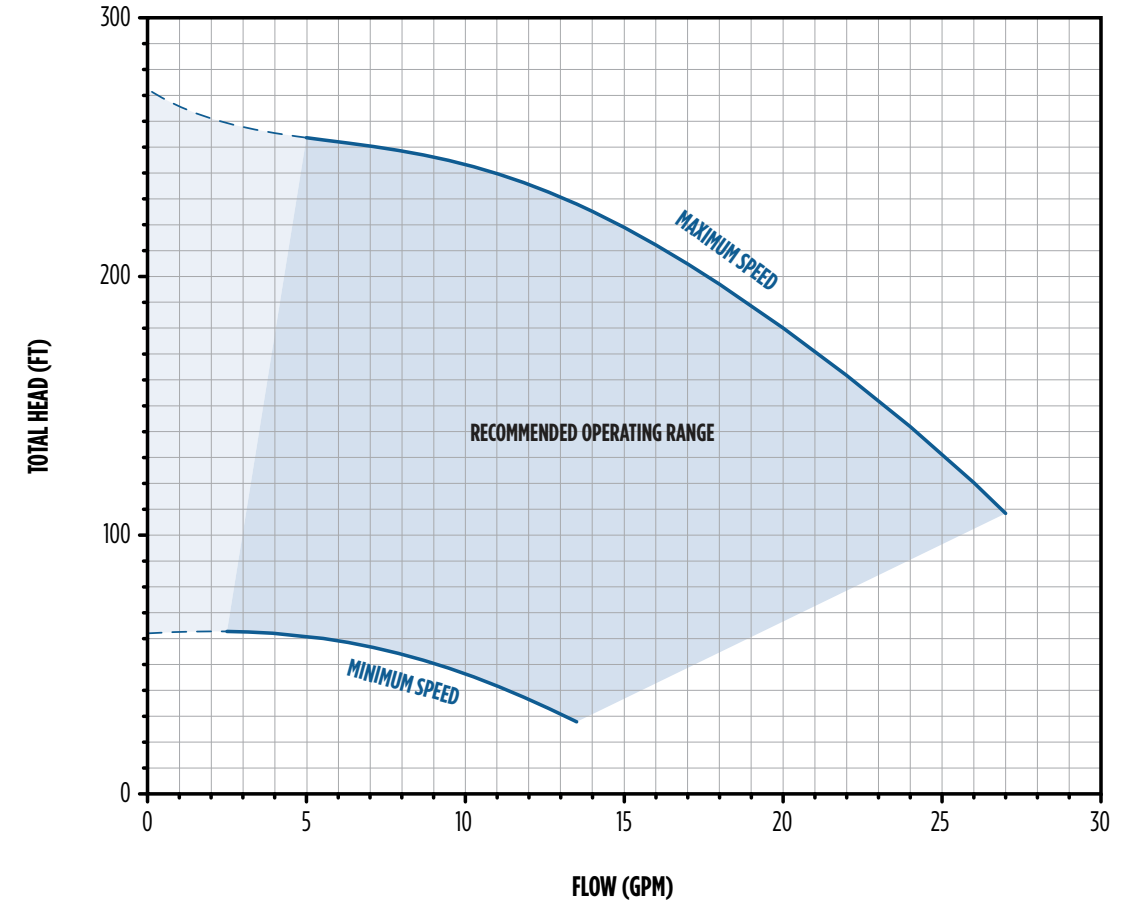


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180					
.75	0								25.1	22.3	18.4	14.0	8.3		
	10							24.7	21.7	17.8	13.3	7.1			
	20						26.7	24.3	21.2	17.1	12.5	5.8			
	30				26.3	23.9	20.6	16.4	11.7	4.3					
	40			23.5	20.0	15.8	10.8	2.6						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

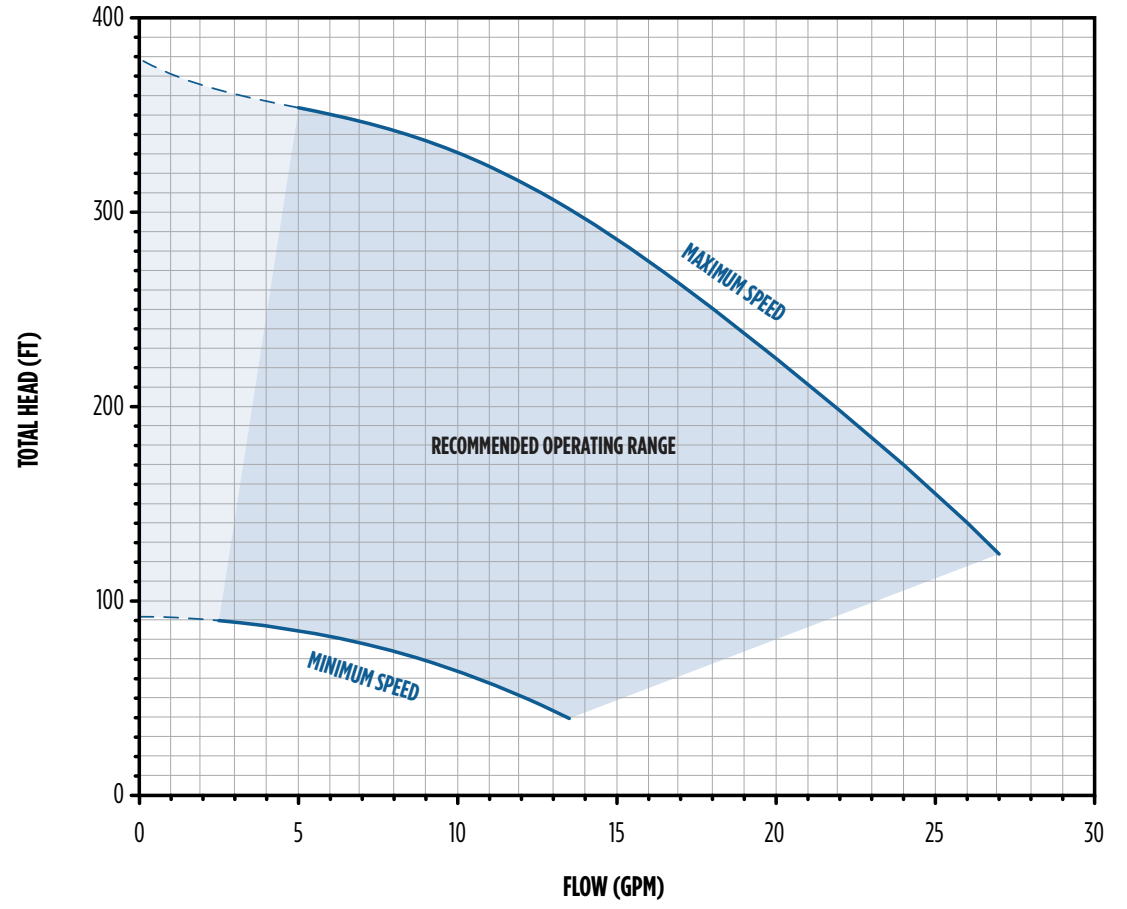


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)														
		20	40	60	80	100	120	140	160	180	200	250				
1	0						26.0	24.4	22.3	19.6	16.5	7.3				
	10					25.7	24.1	21.9	19.1	16.0	12.7					
	20				25.5	23.8	21.5	18.7	15.5	12.2	8.2					
	30		26.9	25.2	23.5	21.1	18.2	15.0	11.6	7.4						
	40	26.6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

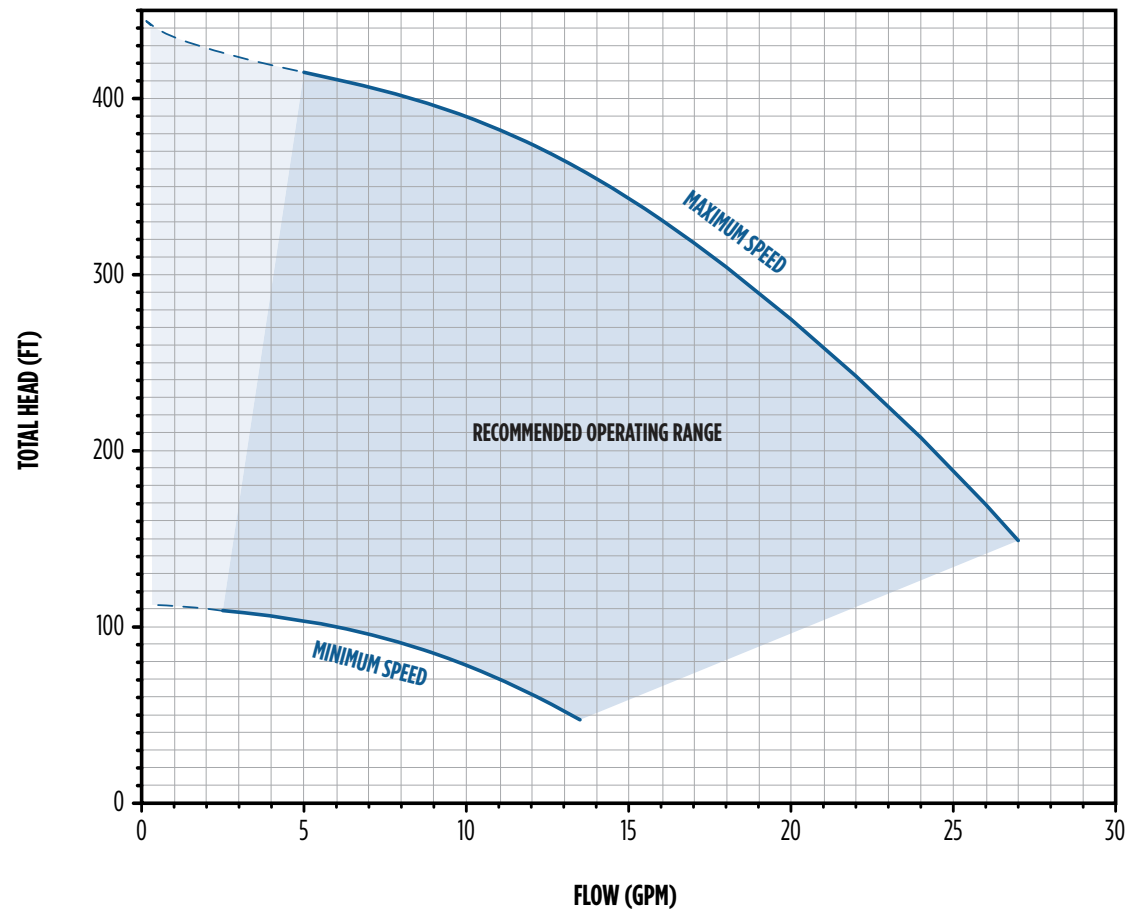


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																		
		20	40	60	80	100	120	140	160	180	200	250	300	350						
1.5	0										25.8	24.7	23.6	22.1	17.0	11.9	6.8			
	10										25.6	24.5	23.4	21.9	19.9	14.5	9.9	1.5		
	20										25.4	24.4	23.2	21.6	19.6	17.4	12.3	7.4		
	30										26.9	25.4	24.4	23.0	21.3	19.3	17.0	14.8	10.3	2.6
	40										26.6	25.2	24.2	23.0	21.3	19.3	17.0	14.8	10.3	2.6
	50										26.3	25.1	24.0	22.7	21.0	18.9	16.7	14.5	12.6	7.9
	60	26.1	24.9	23.9	22.5	20.7	18.6	16.3	14.2	12.3	10.6	3.6								
	70	24.7	23.7	22.3	20.4	18.2	16.0	13.9	12.1	10.3	8.4									
	80	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										
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

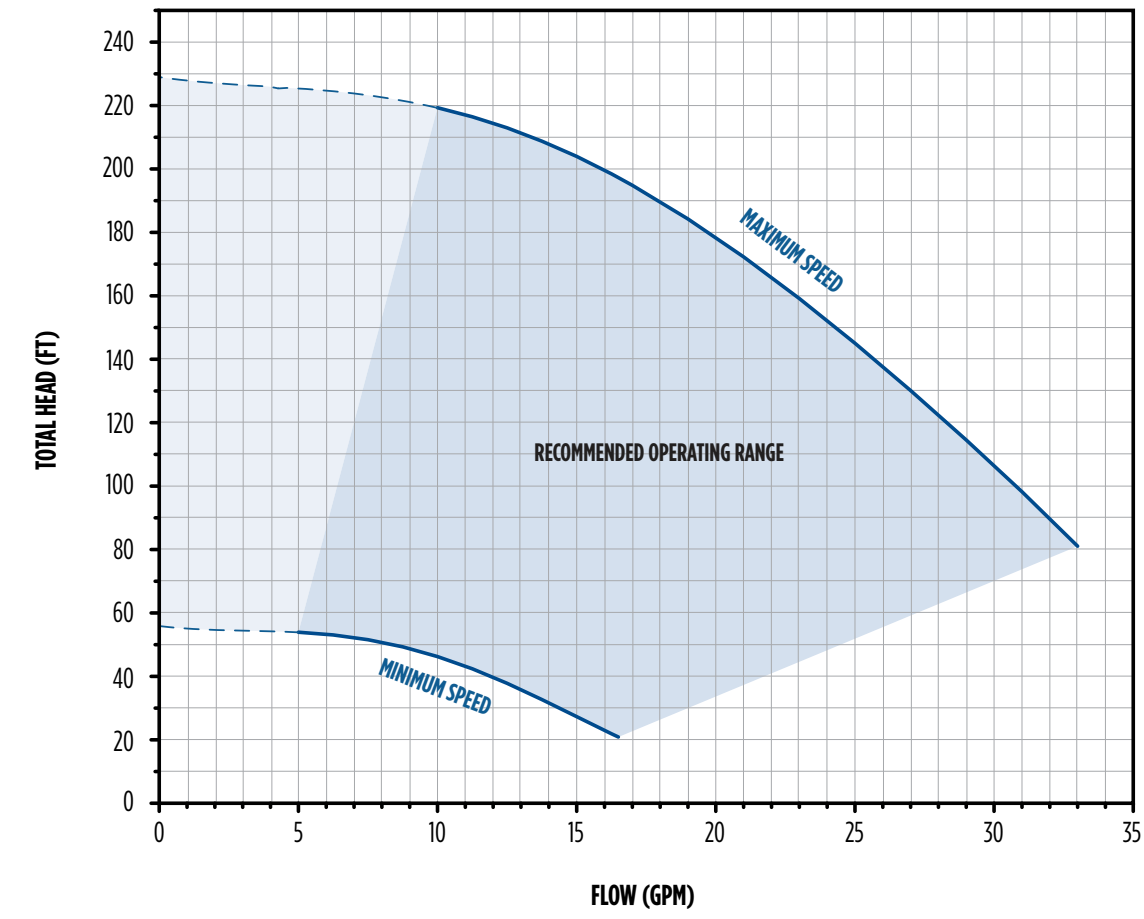


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)													
		20	40	60	80	100	120	140	160	180	200	250	300	350	400
2	0								26.2	25.2	24.5	21.8	17.3	12.6	8.1
	10							26.0	25.1	24.4	23.5	19.9	15.0	10.7	4.8
	20						25.8	25.0	24.3	23.3	22.1	17.7	13.0	8.6	
	30				27.1	25.7	24.9	24.1	23.2	21.9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

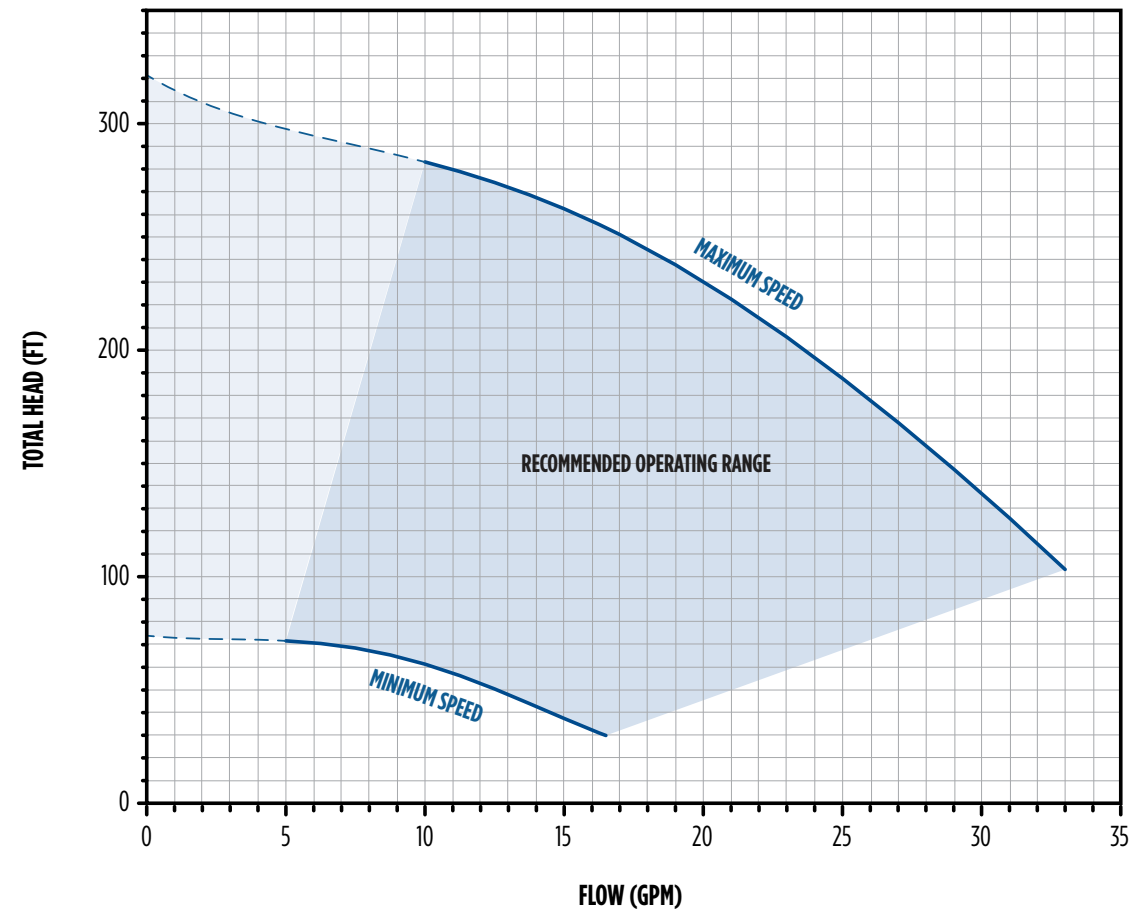


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	
1	0					30.1	28.9	26.1	22.2	19.1	16.5	
	10				32.6	29.9	28.6	25.5	21.6	18.7	15.9	6.4
	20		31.8	29.8	28.3	24.9	21.1	18.4	15.2	3.5		
	30	31.2	29.6	27.9	24.3	20.6	18.0	14.3				
	40	29.5	27.4	23.7	20.1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

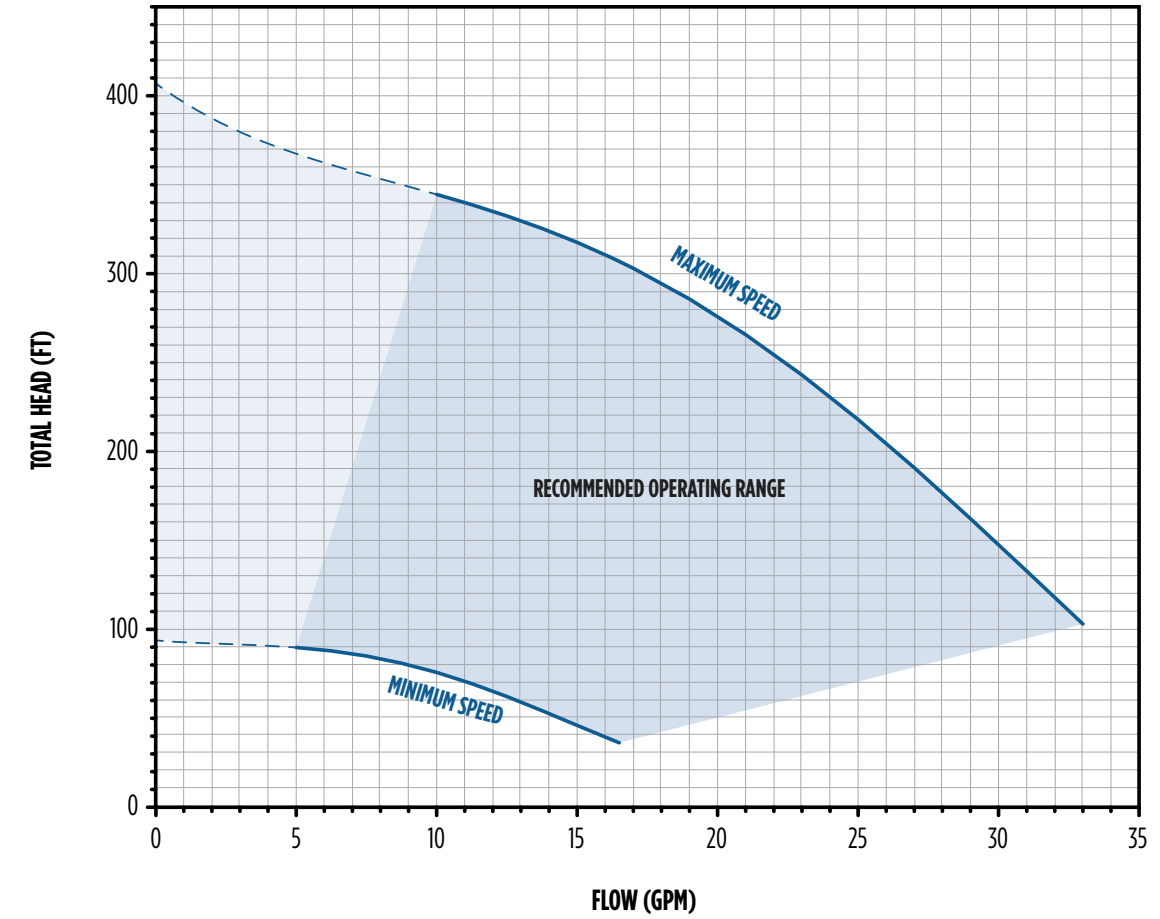


HP	PSI	Depth to Pumping Water Level, or Lift (in feet)											
		20	40	60	80	100	120	140	160	180	200	250	300
1.5	0						32.2	29.9	27.4	25.3	23.6	17.5	4.6
	10					31.9	29.5	27.0	25.1	23.4	21.4	12.2	
	20			32.8	31.5	29.1	26.7	24.8	23.1	21.1	18.2	5.7	
	30		32.8	31.2	28.7	26.4	24.5	22.8	20.7	17.6	13.2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



NOTES

Lined area for notes on page 76.



SubDrive

NOTES

Lined area for notes on page 77.

