

# CONSTANT PRESSURE PUMP SYSTEMS



QuickPAK now available with  
either SubDrive or MonoDrive.

# SubDrive *QuickPAK*

## All-in-One Package:

The SubDrive QuickPAK is an all-in-one package backed by a five-year warranty and Franklin's commitment to quality, availability, service, innovation and value.

### The SubDrive QuickPAK includes:

- Franklin pump
- Franklin motor
- SubDrive variable frequency controller
- Pressure sensor

### The 3-Wire QuickPAK featuring MonoDrive includes:

- Franklin pump
- Franklin motor
- MonoDrive variable frequency controller
- Pressure sensor

Learn more about how we handle the pressure at [constantpressure.com](http://constantpressure.com).

## Key Features:

SubDrive QuickPAK is Franklin's popular system solution package, designed to simplify the installation of a constant pressure system.

- Motor, pump and drive in one package
- Selection based on flow and total dynamic head
- NEMA 1 and NEMA 4 drive enclosures available
- 5-year warranty on QuickPAK components
- Soft start feature prevents water hammer and increases motor life
- Works with small or large pressure tanks, even works with an existing tank
- Smart Reset<sup>®</sup> technology allows well recovery before restarting the pump
- Excellent radio frequency interference shielding

### The SubDrive QuickPAK includes:

- Variety of flow rates available in: 7, 10, 25, 35, 60 and 90 gpm
- Flexible power inputs featuring single-phase input power with three-phase motor performance, using 1.5 - 3 hp motors

### The 3-Wire QuickPAK featuring MonoDrive includes:

- Variety of flow rates available in: 5, 7, 10, 15, 20 and 25 gpm
- Single-phase input power with single-phase motor performance, using 1/2 - 2 hp motors

## Applications:

- Residential Water Systems
  - City-like water pressure
  - Smaller tank saves space
- Landscape Irrigation Systems
  - Even distribution of water in zones
  - Eliminates need for separate system
- Water Treatment Systems
  - More efficient back flushing
  - Eliminates need for multiple pumps
- Geothermal Systems
- Constant Pressure Boosting
  - Ability to pump from a cistern or holding tank

## Built-in Diagnostics and Protection:

The SubDrive QuickPAK products include diagnostic features and built-in protection from potentially harmful conditions.

- Surge
- Underload
- Undervoltage
- Locked pump
- Open circuit
- Short circuit
- Overheated controller



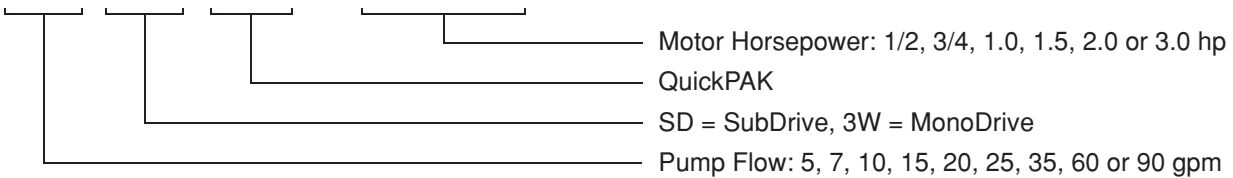
# Ordering Information

## Contents:

SubDrive QuickPAK Ordering & Performance .....	1
3-Wire QuickPAK Ordering & Performance .....	23

## Model Number Description:

**XX SD QP - X.XHP**



## SubDrive NEMA 1 Enclosure:

QuickPAK			SubDrive		Pump					Motor	
Order No.	Model Number	GPM	Drive Type	Part No.	HP	GPM	Design	Hydraulics	Part No.	HP	Part No.
93800775	7SDQP-1.5HP	7	SD75	5870203380	3/4	7	SS	Noryl	92470812	1.5	23451492S
93800770	7SDQP-2.0HP	7	SD100	5870204100	1	7	SS	Tri-Seal	93870710	2	23431592S
93800715	7SDQP-3.0HP	7	SD150	5870204150	1.5	7	SS	Noryl	92470820	3	23431626
93801001	10SDQP-1.5HP	10	SD75	5870203380	3/4	10	SS	Tri-Seal	93871007	1.5	23451492S
93801060	10SDQP-2.0HP	10	SD100	5870204100	1	10	SS	Tri-Seal	93871010	2	23431592S
93801003	10SDQP-3.0HP	10	SD150	5870204150	2	10	SS	Tri-Seal	93871020	3	23431626
93801501	15SDQP-1.5HP	15	SD75	5870203380	3/4	15	SS	Tri-Seal	93871507	1.5	23451492S
93801510	15SDQP-2.0HP	15	SD100	5870204100	1	15	SS	Tri-Seal	93871510	2	23431592S
93801503	15SDQP-3.0HP	15	SD150	5870204150	1.5	15	SS	Tri-Seal	93871515	3	23431626
93802001	20SDQP-1.5HP	20	SD75	5870203380	1	20	SS	Tri-Seal	93872010	1.5	23451492S
93802030	20SDQP-2.0HP	20	SD100	5870204100	1	20	SS	Tri-Seal	93872010	2	23431592S
93802003	20SDQP-3.0HP	20	SD150	5870204150	2	20	SS	Tri-Seal	93872020	3	23431626
93802501	25SDQP-1.5HP	25	SD75	5870203380	1	25	SS	Tri-Seal	93872510	1.5	23451492S
93802525	25SDQP-2.0HP	25	SD100	5870204100	1	25	SS	Tri-Seal	93872510	2	23431592S
93802503	25SDQP-3.0HP	25	SD150	5870204150	1.5	25	SS	Tri-Seal	93872515	3	23431626
93803575 <sup>(a)</sup>	35SDQP-1.5HP	35	SD75	5870203380	1	35	SS	Noryl	93873510	1.5	23451492S
93803510 <sup>(a)</sup>	35SDQP-2.0HP	35	SD100	5870204100	1	35	SS	Noryl	93873510	2	23431592S
93803515 <sup>(a)</sup>	35SDQP-3.0HP	35	SD150	5870204150	1.5	35	SS	Noryl	93873515	3	23431626
93806015 <sup>(a)</sup>	60SDQP-3.0HP	60	SD150	5870204150	2	60	SS	Noryl	93876020	3	23431626
93809015 <sup>(a)</sup>	90SDQP-3.0HP	90	SD150	5870204150	2	90	SS	Noryl	93879020	3	23431626

**NOTE:**

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

# SubDrive *QuickPAK*

## SubDrive NEMA 4 Enclosure:

QuickPAK			SubDrive		Pump					Motor	
Order No.	Model Number	GPM	Drive Type	Part No.	HP	GPM	Design	Hydraulics	Part No.	HP	Part No.
93800760	7SDQP-1.5HP-N4	7	SD75-N4	5870203384	3/4	7	SS	Noryl	92470812	1.5	23451492S
93800772	7SDQP-2.0HP-N4	7	SD100-N4	5870204104	1	7	SS	Tri-Seal	93870710	2	23431592S
93800710	7SDQP-3.0HP-N4	7	SD150-N4	5870204154	1.5	7	SS	Noryl	92470820	3	23431626
93801002	10SDQP-1.5HP-N4	10	SD75-N4	5870203384	3/4	10	SS	Tri-Seal	93871007	1.5	23451492S
93801062	10SDQP-2.0HP-N4	10	SD100-N4	5870204104	1	10	SS	Tri-Seal	93871010	2	23431592S
93801004	10SDQP-3.0HP-N4	10	SD150-N4	5870204154	2	10	SS	Tri-Seal	93871020	3	23431626
93801502	15SDQP-1.5HP-N4	15	SD75-N4	5870203384	3/4	15	SS	Tri-Seal	93871507	1.5	23451492S
93801511	15SDQP-2.0HP-N4	15	SD100-N4	5870204104	1	15	SS	Tri-Seal	93871510	2	23431592S
93801504	15SDQP-3.0HP-N4	15	SD150-N4	5870204154	1	15	SS	Tri-Seal	93871515	3	23431626
93802002	20SDQP-1.5HP-N4	20	SD75-N4	5870203384	1	20	SS	Tri-Seal	93872010	1.5	23451492S
93802036	20SDQP-2.0HP-N4	20	SD100-N4	5870204104	1	20	SS	Tri-Seal	93872010	2	23431592S
93802004	20SDQP-3.0HP-N4	20	SD150-N4	5870204154	2	20	SS	Tri-Seal	93872020	3	23431626
93802502	25SDQP-1.5HP-N4	25	SD75-N4	5870203384	1	25	SS	Tri-Seal	93872510	1.5	23451492S
93802530	25SDQP-2.0HP-N4	25	SD100-N4	5870204104	1	25	SS	Tri-Seal	93872510	2	23431592S
93802504	25SDQP-3.0HP-N4	25	SD150-N4	5870204154	1.5	25	SS	Tri-Seal	93872515	3	23431626
93803514 <sup>(a)</sup>	35SDQP-1.5HP-N4	35	SD75-N4	5870203384	1	35	SS	Noryl	93873510	1.5	23451492S
93803520 <sup>(a)</sup>	35SDQP-2.0HP-N4	35	SD100-N4	5870204104	1	35	SS	Noryl	93873510	2	23431592S
93803528 <sup>(a)</sup>	35SDQP-3.0HP-N4	35	SD150-N4	5870204154	1.5	35	SS	Noryl	93873515	3	23431626
93806016 <sup>(a)</sup>	60SDQP-3.0HP-N4	60	SD150-N4	5870204154	2	60	SS	Noryl	93876020	3	23431626
93809010 <sup>(a)</sup>	90SDQP-3.0HP-N4	90	SD150-N4	5870204154	2	90	SS	Noryl	93879020	3	23431626

Maximum Motor Cable Length (in Feet)									
Controller Model	Franklin Motor Model	HP	140 °F / 60 °C Insulation - AWG copper wire size						
			14	12	10	8	6	4	3
SubDrive75	234514XXXX	1.5	420	670	1060	1670	-	-	-
SubDrive100	234315XXXX	2	320	510	810	1280	2010	-	-
SubDrive150	234316XXXX	3	240	390	620	990	1540	-	-

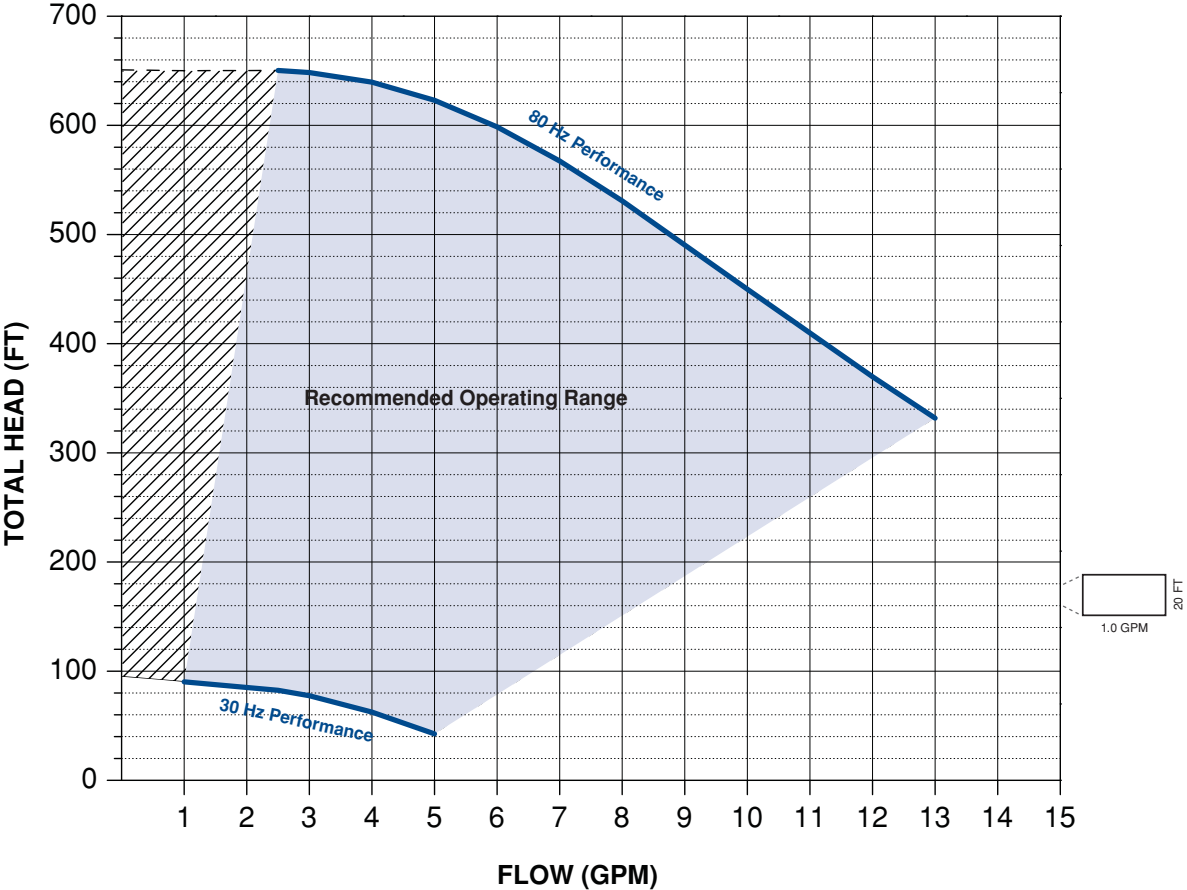
**NOTE:**

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# Pump Performance

## 7SDQP-1.5HP

SD75, 7 gpm - 3/4 hp Pump End, 1.5 hp Motor



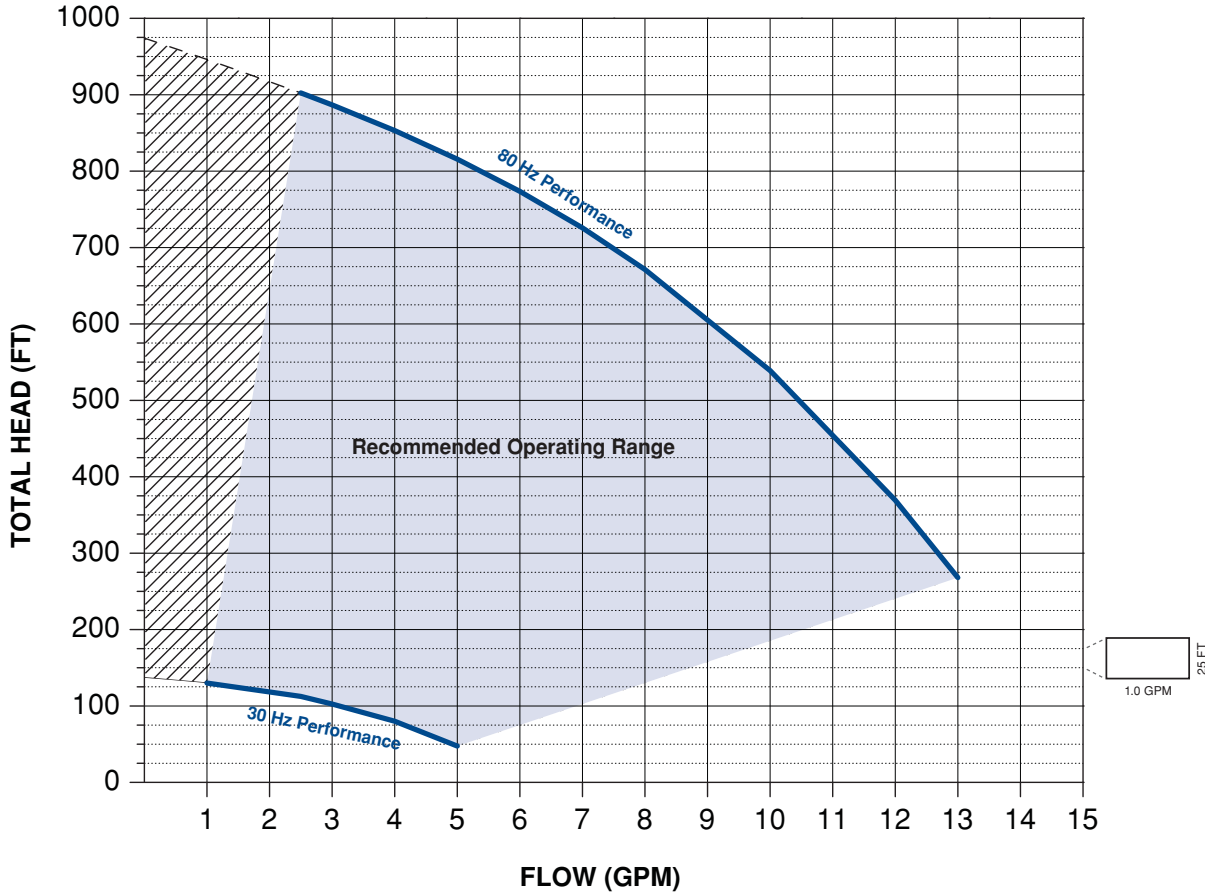
HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																	
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600
1.5	0												12	11	10	9	7	6	
	10												12	11	9	8	7	5	
	20											13	11	10	9	8	6	3	
	30											12	11	10	8	7	5		
	40											13	11	10	9	8	6	4	
	50											12	11	10	8	7	5		
	60										13	12	10	9	8	6	4		
	70									13	12	11	10	8	7	6			
	80								13	12	12	10	9	8	7	4			
	90								13	12	12	11	10	8	7	6			
	100						12	12	12	11	11	9	8	7	4				
	110				13	12	12	11	11	10	10	9	7	6					
	120			13	12	12	11	11	10	10	9	8	7	5					
	130		13	12	12	11	11	10	10	9	9	7	6	3					
	140	13	12	12	11	11	10	10	9	9	8	7	5						
	150	12	12	11	11	10	10	9	8	8	8	6	3						
	160	10	10	9	9	8	8	7	7	6	5								
Shut-off psi		273	264	256	247	238	230	221	212	204	195	173	152	130	108	87	65	43	22

**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 *QuickPAK*

## 7SDQP-2.0HP

SD100, 7 gpm - 1.0 hp Pump End, 2.0 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
2	0											13	12	12	11	11	10	9	8	7	7	5	4	
	10										13	12	12	11	11	10	10	9	8	7	6	5	3	
	20										13	12	12	11	11	10	9	8	8	7	5	4	3	
	30									13	13	12	12	11	11	10	9	8	7	6	5	4		
	40								13	13	12	12	11	11	10	9	8	8	7	6	4	3		
	50							13	13	13	12	12	11	10	10	9	8	7	6	5	4			
	60						13	13	13	12	12	11	11	10	9	9	8	7	6	4	3			
	70					13	13	12	12	12	12	11	10	10	9	8	7	6	5	4				
	80				13	13	12	12	12	12	11	11	10	9	9	8	7	6	5	3				
	90			13	13	12	12	12	12	12	11	10	10	9	8	7	6	5	4					
	100		13	13	12	12	12	12	12	12	11	10	9	9	8	7	6	5	3					
	110	13	13	12	12	12	12	11	11	11	10	10	9	8	7	6	5	4						
	120	13	12	12	12	12	11	11	11	11	10	9	9	8	7	6	5	3						
	130	12	12	12	12	11	11	11	11	11	10	9	8	7	7	5	4	3						
	140	12	12	12	12	11	11	11	11	10	10	9	8	7	6	5	3							
	150	12	12	12	11	11	11	11	10	10	9	8	8	7	5	4	3							
	160	11	11	11	11	10	10	10	9	9	9	8	7	6	5	4								
Shut-off psi		382	373	365	356	347	339	330	321	313	304	282	261	239	217	196	174	153	131	109	88	66	44	23

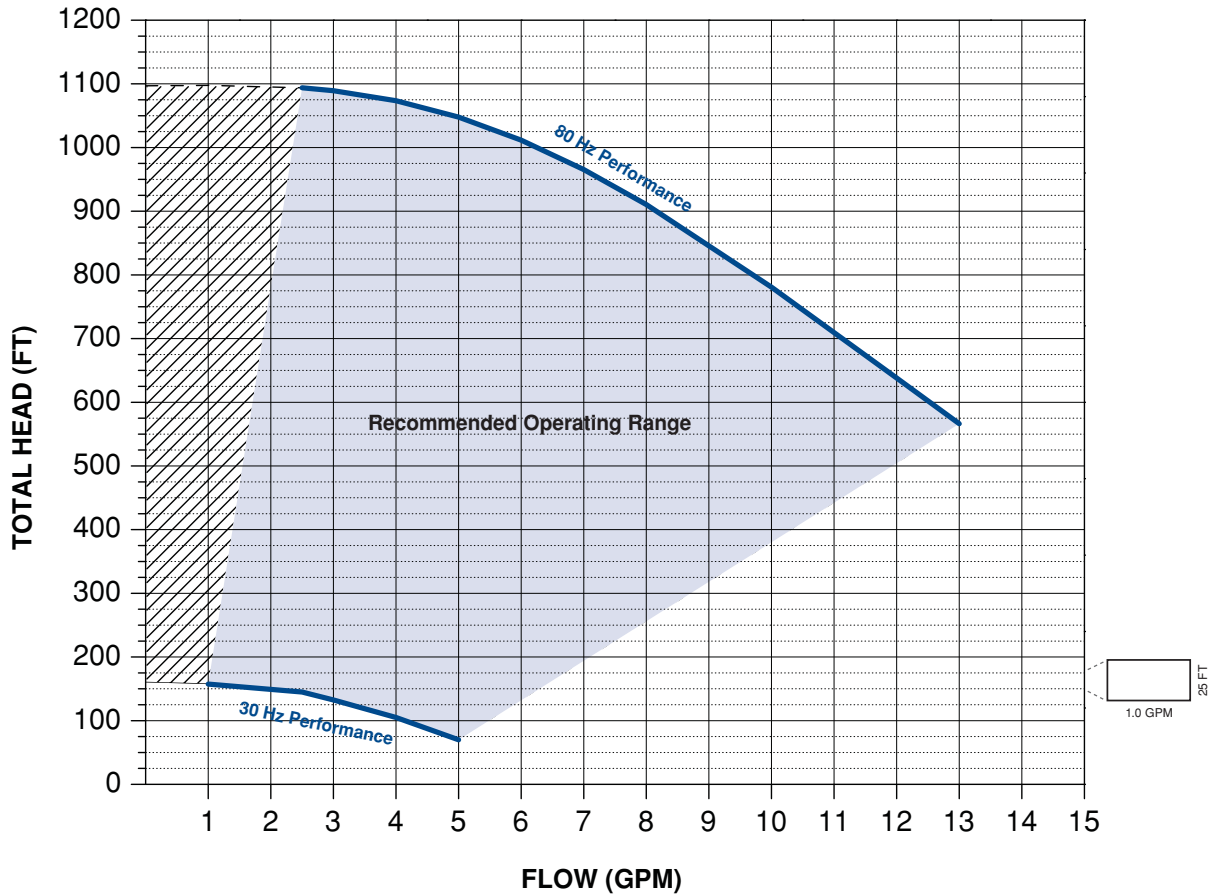
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# Pump Performance

## 7SDQP-3.0HP

SD150, 7 gpm - 1.5 hp Pump End, 3.0 hp Motor



HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																			
		160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
3	0										12	12	11	11	10	9	8	7	6	5	
	10									13	12	12	11	10	9	8	8	7	6	4	
	20									13	12	11	11	10	9	8	7	6	5		
	30									13	12	11	11	10	9	9	8	7	6	4	
	40									13	12	11	11	10	9	8	7	7	5	3	
	50									12	12	11	10	9	9	8	7	6	4		
	60									13	12	11	11	10	9	8	7	7	5	3	
	70									12	12	11	10	10	9	8	7	6	4		
	80									13	12	11	11	10	9	8	8	7	5	3	
	90									12	12	11	11	10	10	9	8	7	6	5	
	100									13	12	11	11	10	10	9	8	8	7	6	3
	110									12	12	11	10	10	9	8	7	6	5		
	120									13	12	12	11	10	9	8	8	7	6	4	
	130									12	12	11	11	10	9	8	7	6	5		
	140									13	12	12	11	10	9	8	8	7	6	4	
	150									13	12	11	11	10	9	8	7	6	5		
	160									13	13	12	12	11	10	9	9	8	7	6	5
Shut-off psi		404	396	387	365	344	322	300	279	257	235	214	192	170	149	127	106	84	62	41	19

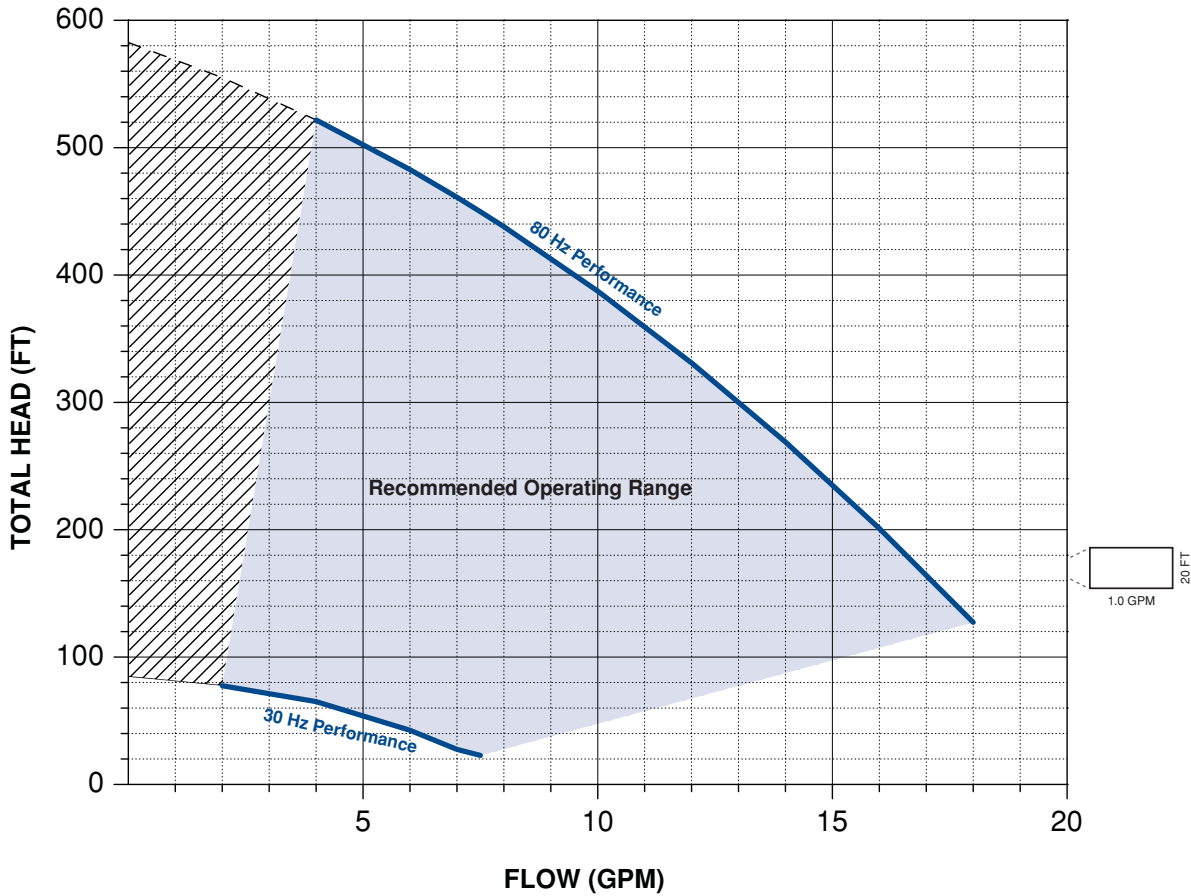
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# SubDrive *QuickPAK*

## 10SDQP-1.5HP

SD75, 10 gpm - 3/4 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
1.5	0								17	17	16	15	13	11	10	7	5
	10							17	16	16	15	14	12	11	9	6	4
	20					17	17	16	16	15	15	13	11	10	8	5	
	30				17	17	16	16	15	15	14	12	11	9	7	4	
	40			17	17	16	16	15	15	14	13	12	10	8	6		
	50		17	17	16	16	15	14	14	13	13	11	9	7	4		
	60	17	17	16	15	15	14	14	13	12	12	10	8	6			
	70	17	16	15	15	14	14	13	12	12	11	9	7	5			
	80	16	15	15	14	14	13	12	12	11	10	8	6				
	90	15	15	14	13	13	12	11	11	10	9	7	5				
	100	15	14	13	13	12	11	11	10	9	8	6					
	110	14	13	13	12	11	10	10	9	8	7	5					
	120	13	12	12	11	10	10	9	8	7	6	4					
	130	12	12	11	10	10	9	8	7	6	5						
	140	12	11	10	9	9	8	7	6	5	4						
	150	11	10	9	8	8	7	6	5	4							
	160	8	7	6	5	4											
Shut-off psi		244	235	226	218	209	200	192	183	174	166	144	122	101	79	57	36

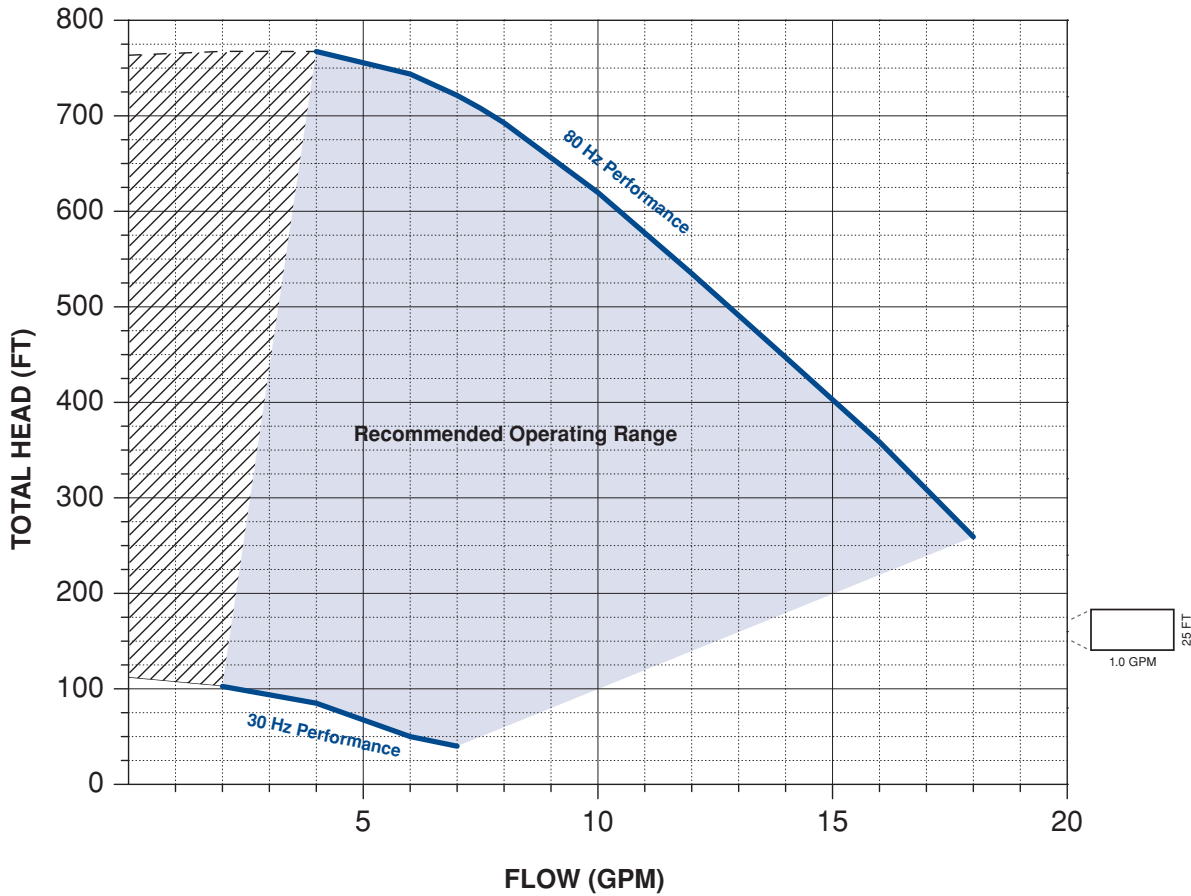
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# Pump Performance

## 10SDQP-2.0HP

SD100, 10 gpm - 1.0 hp Pump End, 2.0 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		
2	0												17	16	15	14	13	11	10	9	8	4		
	10											17	16	16	15	13	12	11	10	9	7			
	20											17	16	15	14	13	12	10	10	8	5			
	30											16	16	15	14	12	11	10	9	7				
	40										17	16	15	14	13	12	11	10	8	5				
	50											17	17	17	16	15	14	13	12	11	10	9	7	
	60												17	17	17	16	15	14	13	12	11	10	8	5
	70													17	17	16	16	16	16	16	16	16	16	16
	80														17	17	16	16	16	16	16	16	16	16
	90															17	17	16	16	16	16	16	16	16
	100																17	17	16	16	16	16	16	16
	110																	17	17	16	16	16	16	16
	120																		17	17	16	16	16	16
	130																			17	17	16	16	16
	140																				17	17	16	16
	150																					17	17	16
	160																						17	17
Shut-off psi		324	315	306	298	289	280	272	263	254	246	224	202	181	159	137	116	94	72	51	29	8		

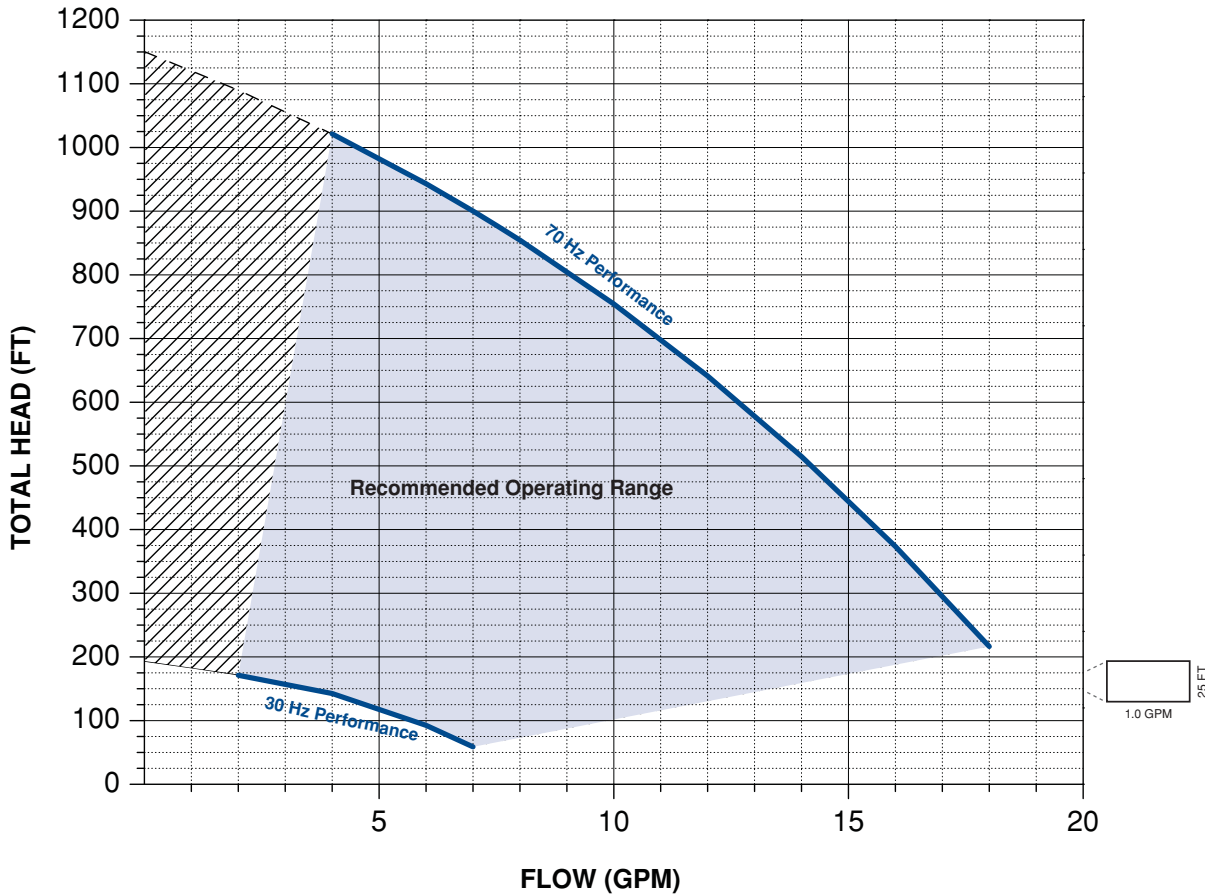
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# SubDrive *QuickPAK*

## 10SDQP-3.0HP

SD150, 10 gpm - 2.0 hp Pump End, 3.0 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	15	14	13	12	12	11	10	9	8	7	5	4		
	40								17	17	16	16	15	14	14	13	12	11	10	9	8	7	6	5			
	50							17	17	17	16	15	15	14	13	12	12	11	10	9	8	7	5	4			
	60					17	17	17	17	16	16	15	14	14	13	12	11	10	9	8	7	6	5	4			
	70				17	17	17	17	16	16	15	15	14	13	12	12	11	10	9	8	7	6	4				
	80				17	17	17	17	16	16	16	15	14	14	13	12	11	10	9	8	7	6	5	4			
	90			17	17	17	17	16	16	16	16	15	14	13	13	12	11	10	9	8	7	6	5	4			
	100		17	17	17	17	16	16	16	15	15	15	14	13	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	5	4				
	120	17	17	16	16	16	16	15	15	15	15	14	13	13	12	11	10	10	9	8	7	6	5	4			
	130	17	16	16	16	16	15	15	15	15	14	13	13	12	11	10	9	9	8	7	6	5	4				
	140	16	16	16	16	15	15	15	14	14	14	13	12	11	11	10	9	9	8	7	6	5	4				
	150	16	16	16	15	15	15	14	14	14	14	13	12	11	10	9	9	8	7	6	5	4					
	160	15	15	15	14	14	14	13	13	13	12	12	11	10	9	8	8	7	6	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

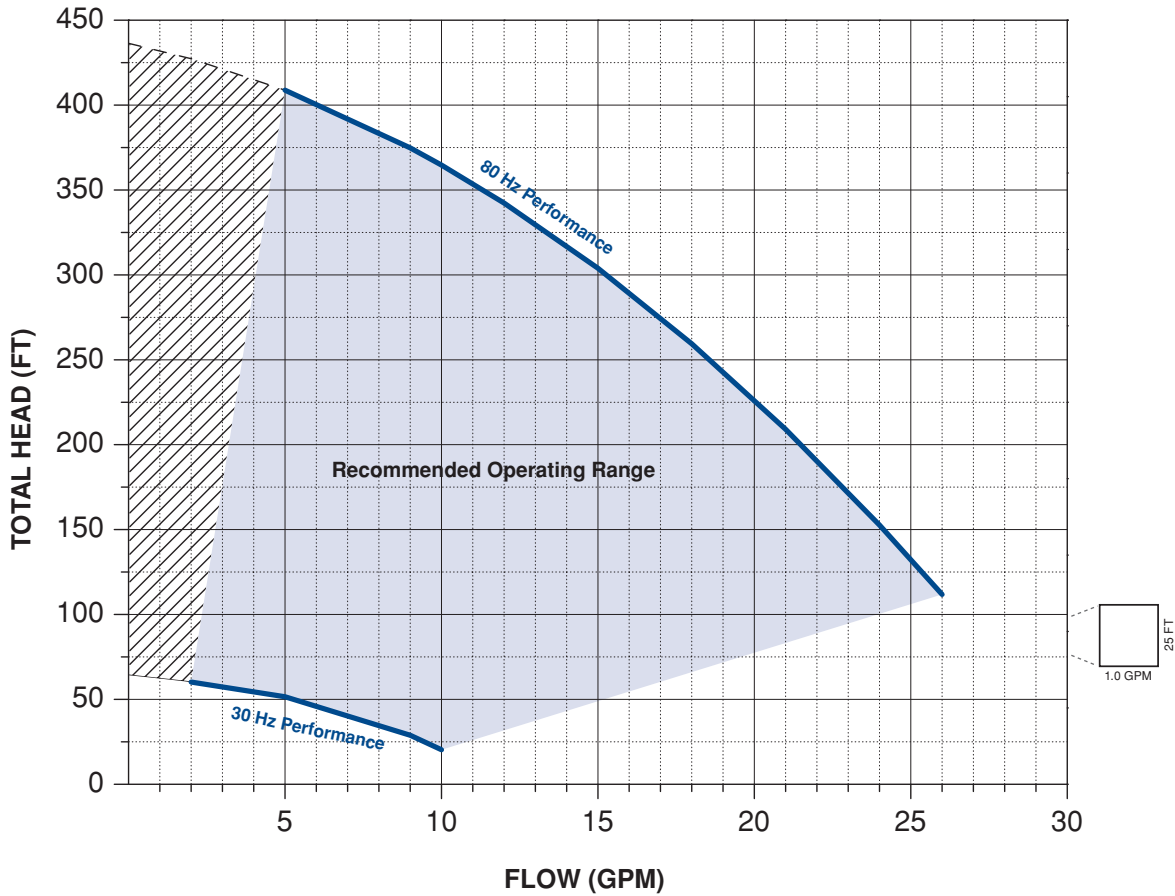
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 15SDQP-1.5HP

SD75, 15 gpm - 3/4 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

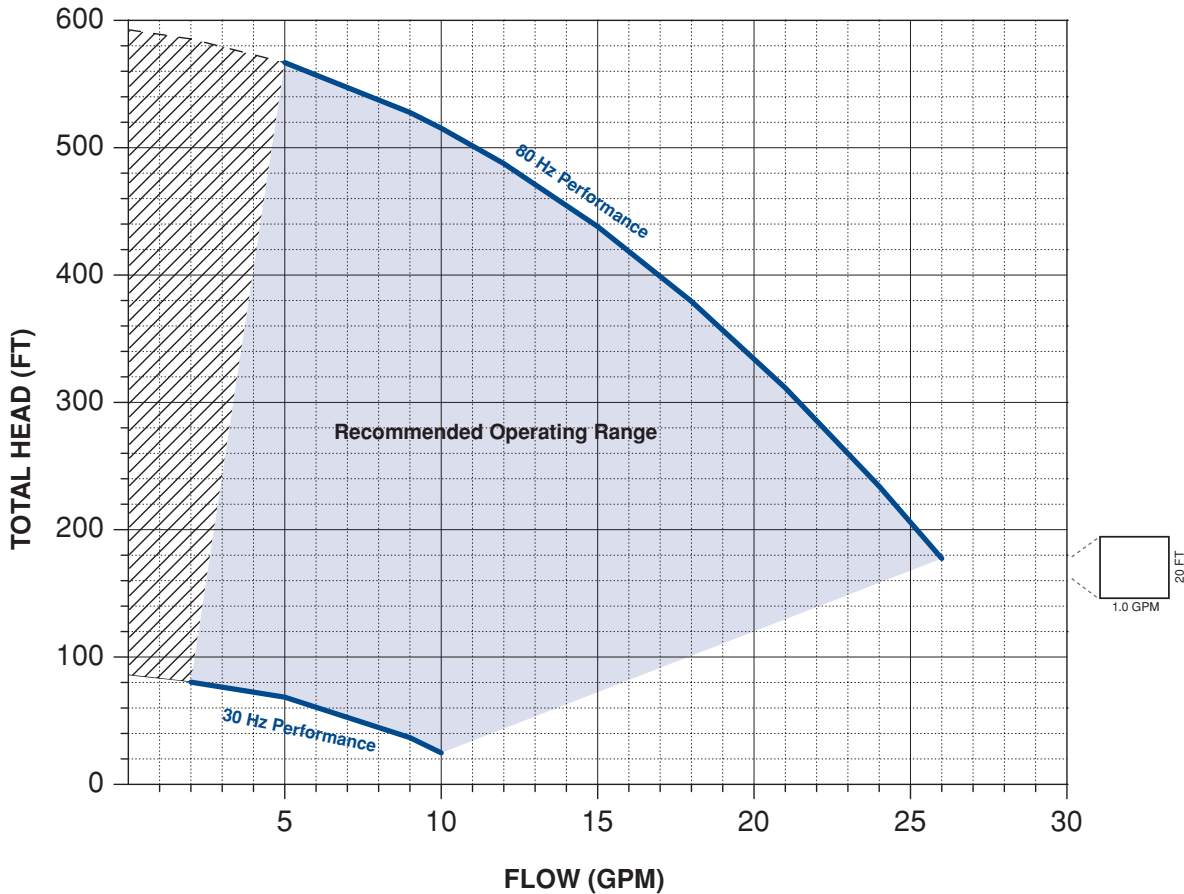
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# SubDrive *QuickPAK*

## 15SDQP-2.0HP

SD100, 15 gpm - 1.0 hp Pump End, 2.0 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

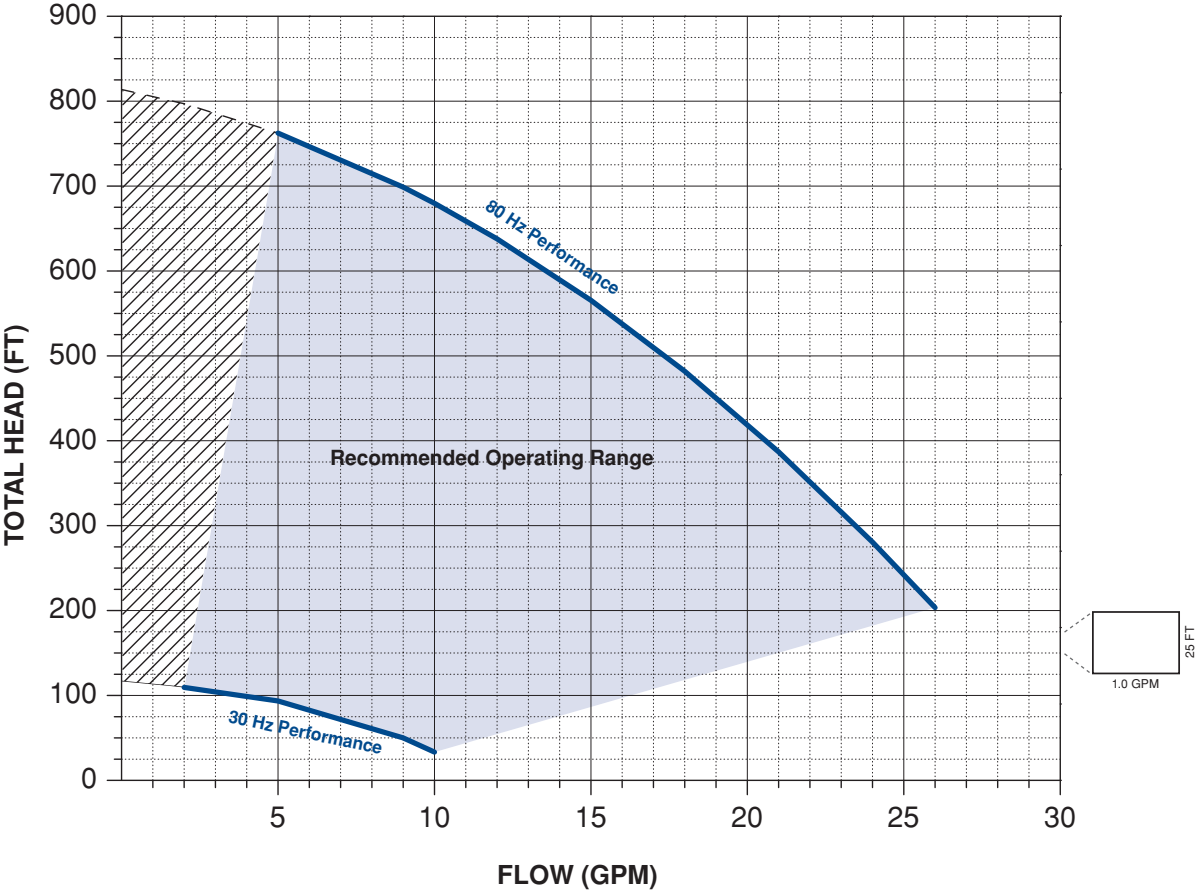
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 15SDQP-3.0HP

SD150, 15 gpm - 1.5 hp Pump End, 3.0 hp Motor



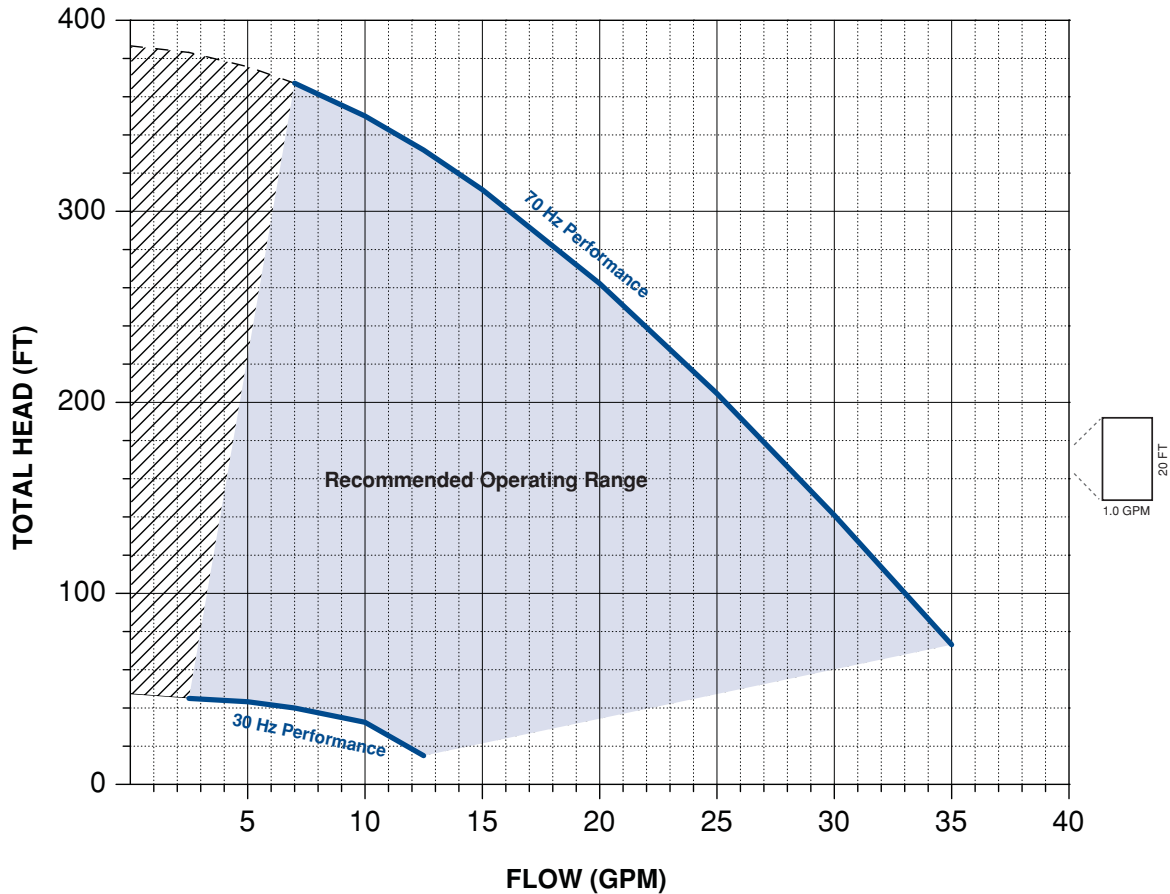
HP	PSI	Depth to Pumping Water Level, or Lift (in feet)																				
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750
3	0												23	22	21	19	17	15	14	11	9	6
	10										24	23	21	20	18	16	15	13	10	8		
	20										24	22	21	19	17	16	14	12	9	6		
	30									24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

# SubDrive *QuickPAK*

## 20SDQP-1.5HP

SD75, 20 gpm - 1.0 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

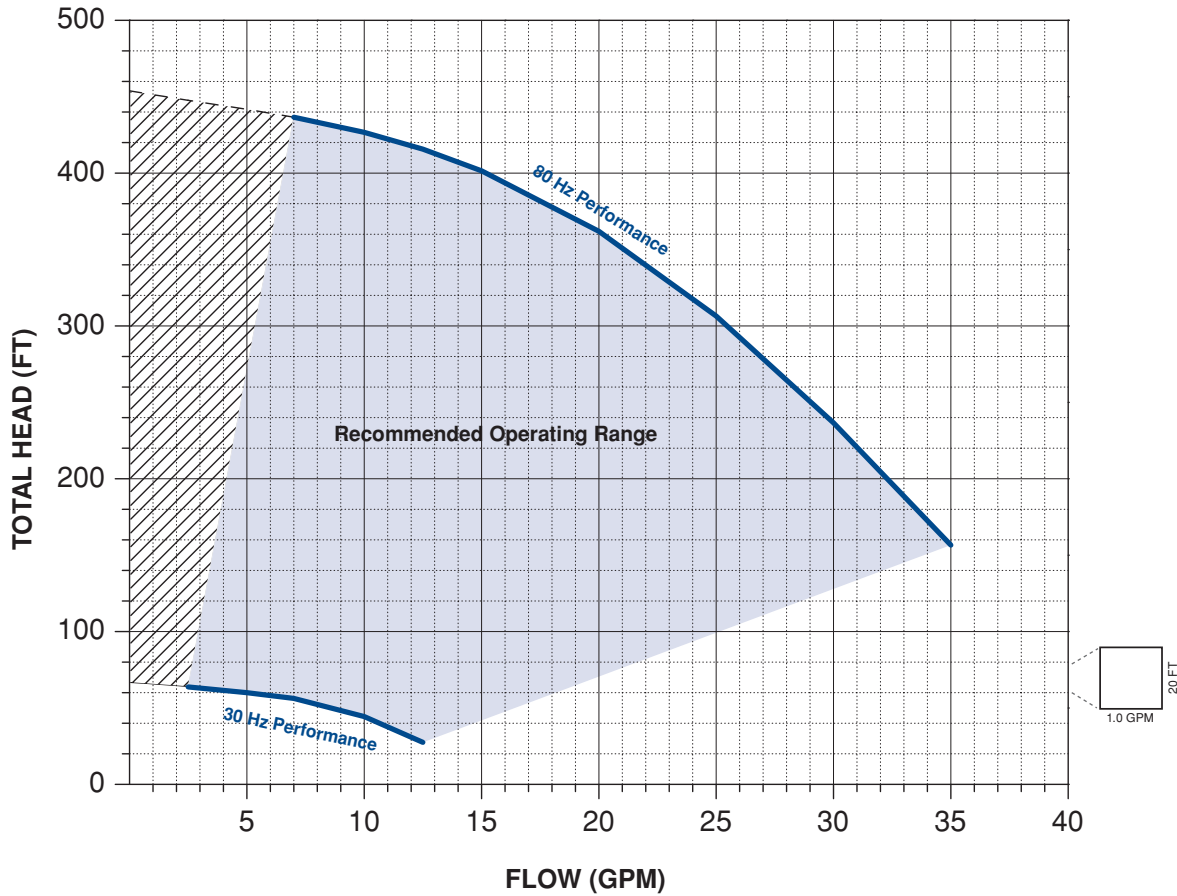
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 20SDQP-2.0HP

SD100, 20 gpm - 1.0 hp Pump End, 2.0 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

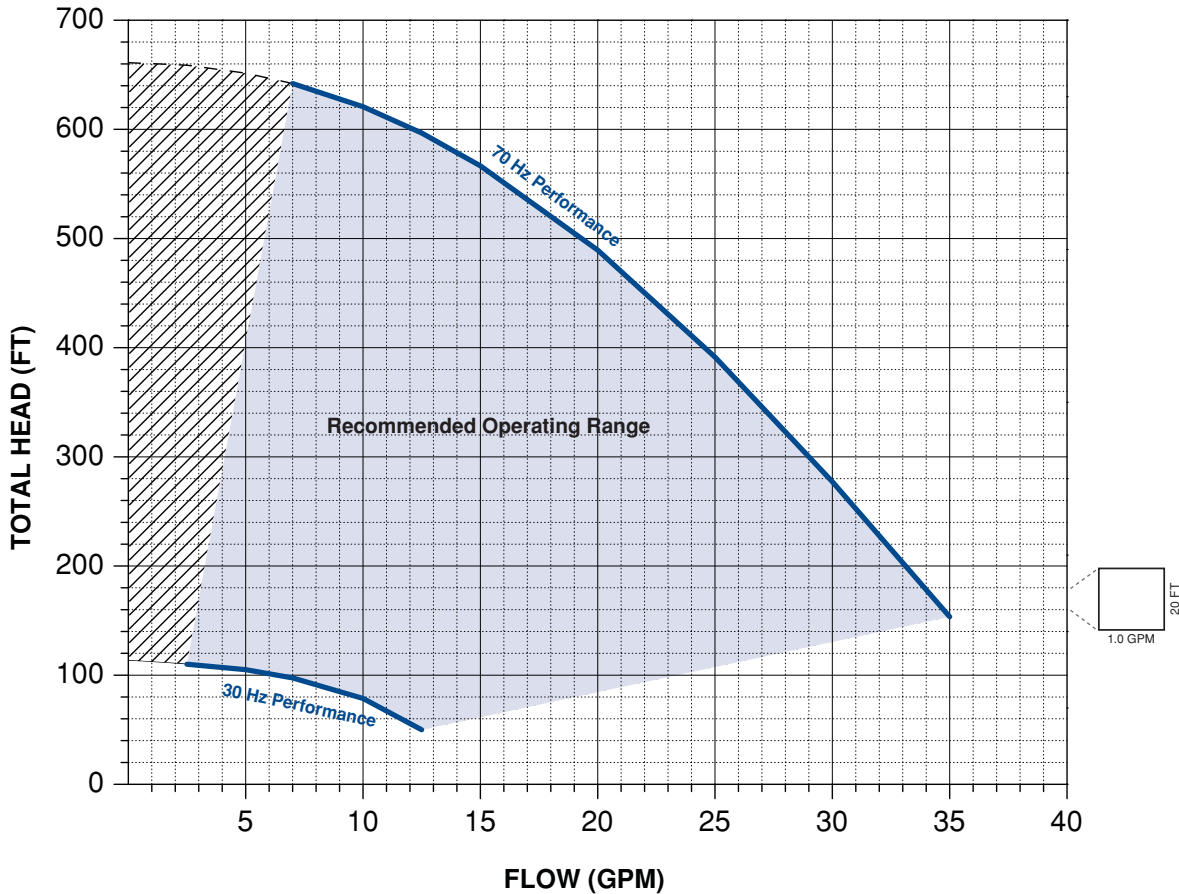
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# SubDrive *QuickPAK*

## 20SDQP-3.0HP

SD150, 20 gpm - 2.0 hp Pump End, 3.0 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	30	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

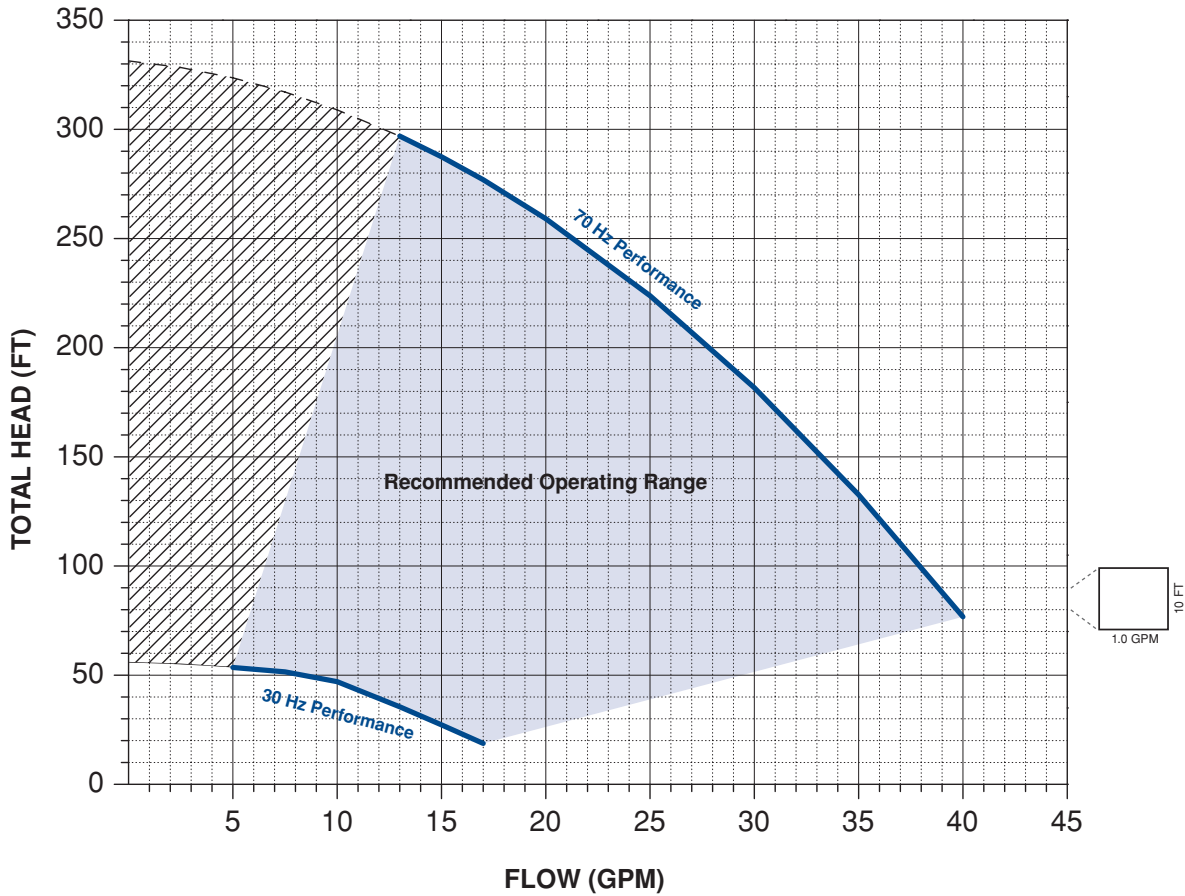
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 25SDQP-1.5HP

SD75, 25 gpm - 1.0 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

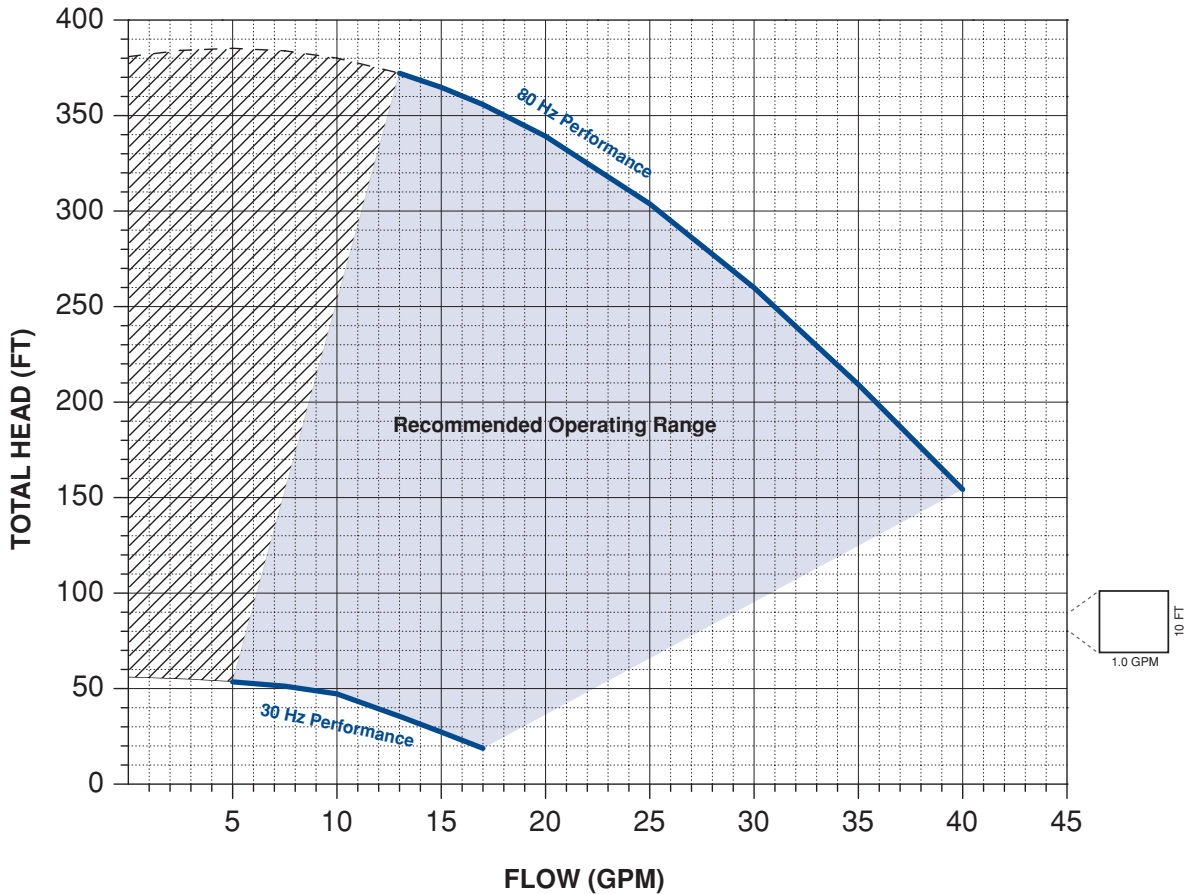
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# SubDrive *QuickPAK*

## 25SDQP-2.0HP

SD100, 25 gpm - 1.0 hp Pump End, 2.0 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

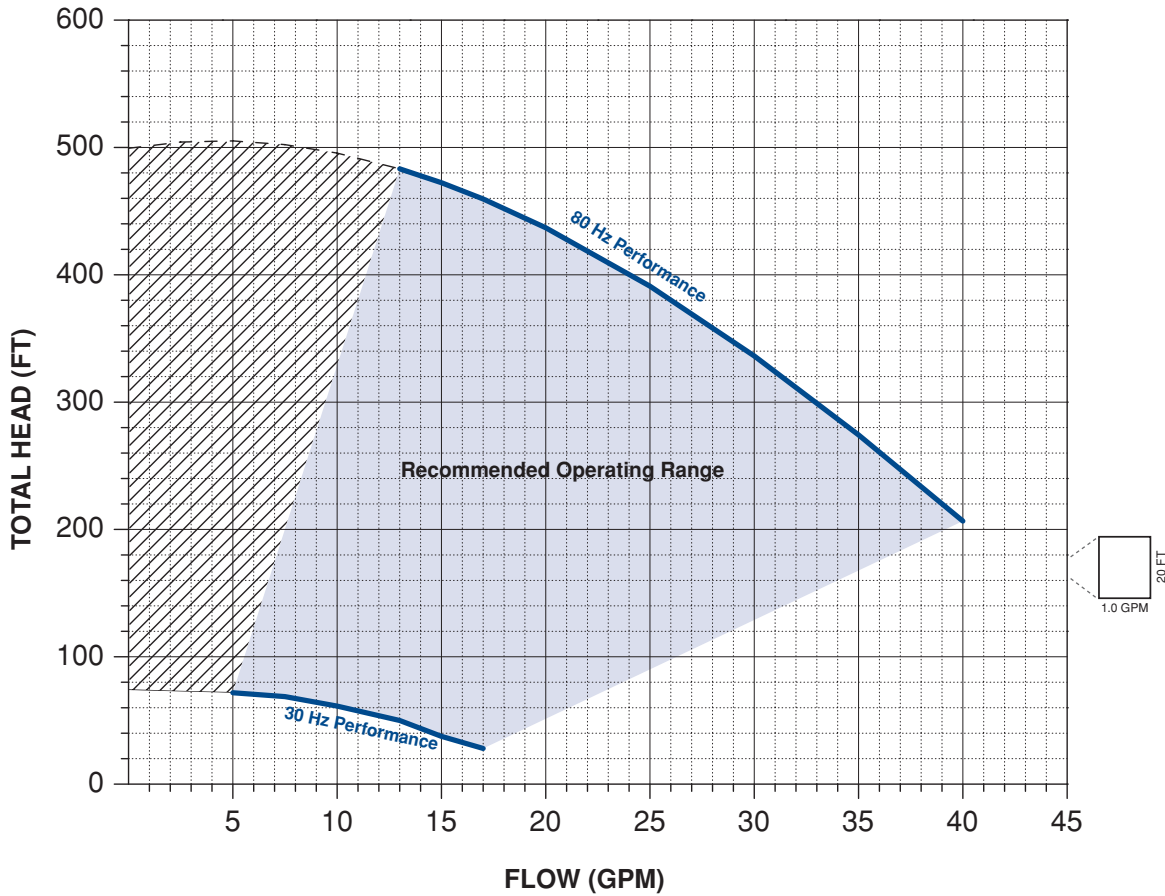
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 25SDQP-3.0HP

SD150, 25 gpm - 1.5 hp Pump End, 3.0 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	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

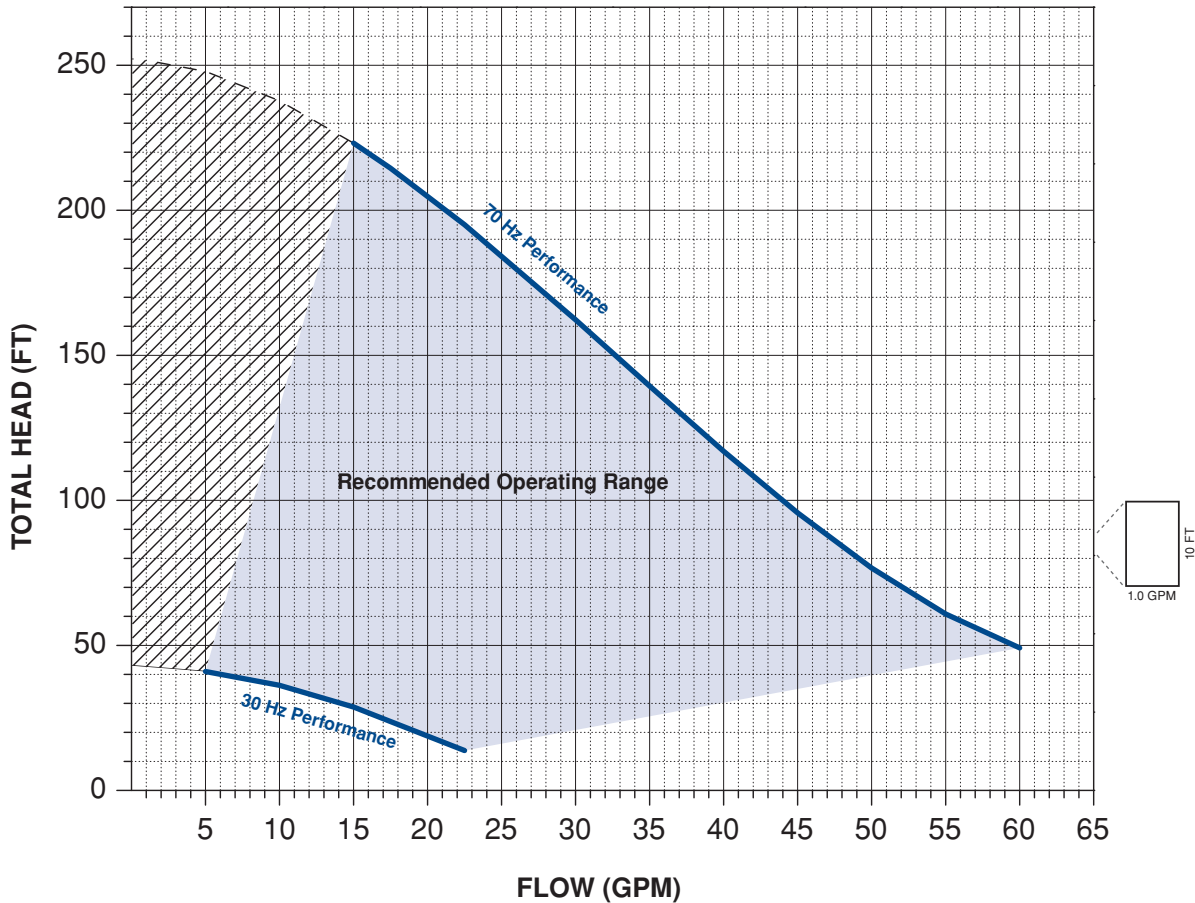
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# SubDrive *QuickPAK*

## 35SDQP-1.5HP

SD75, 35 gpm - 1.0 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

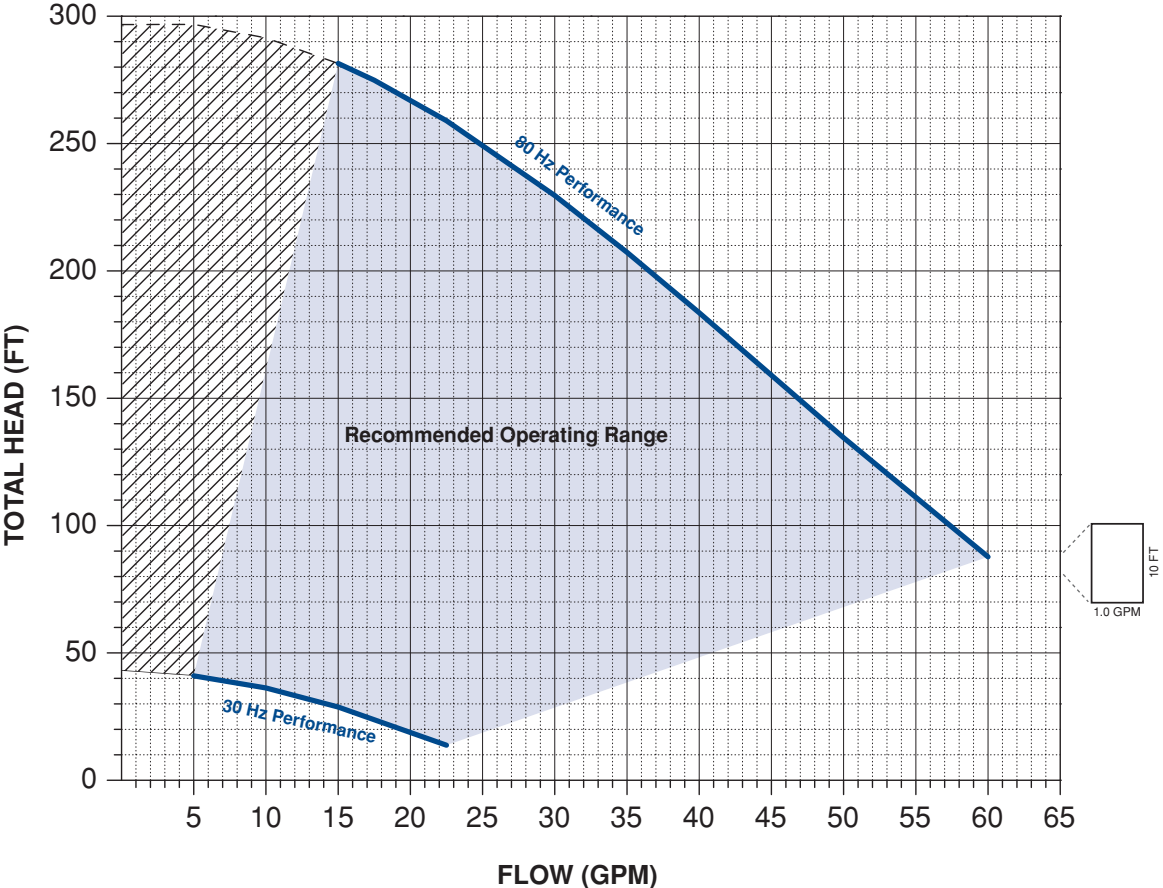
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 35SDQP-2.0HP

SD100, 35 gpm - 1.0 hp Pump End, 2.0 hp Motor



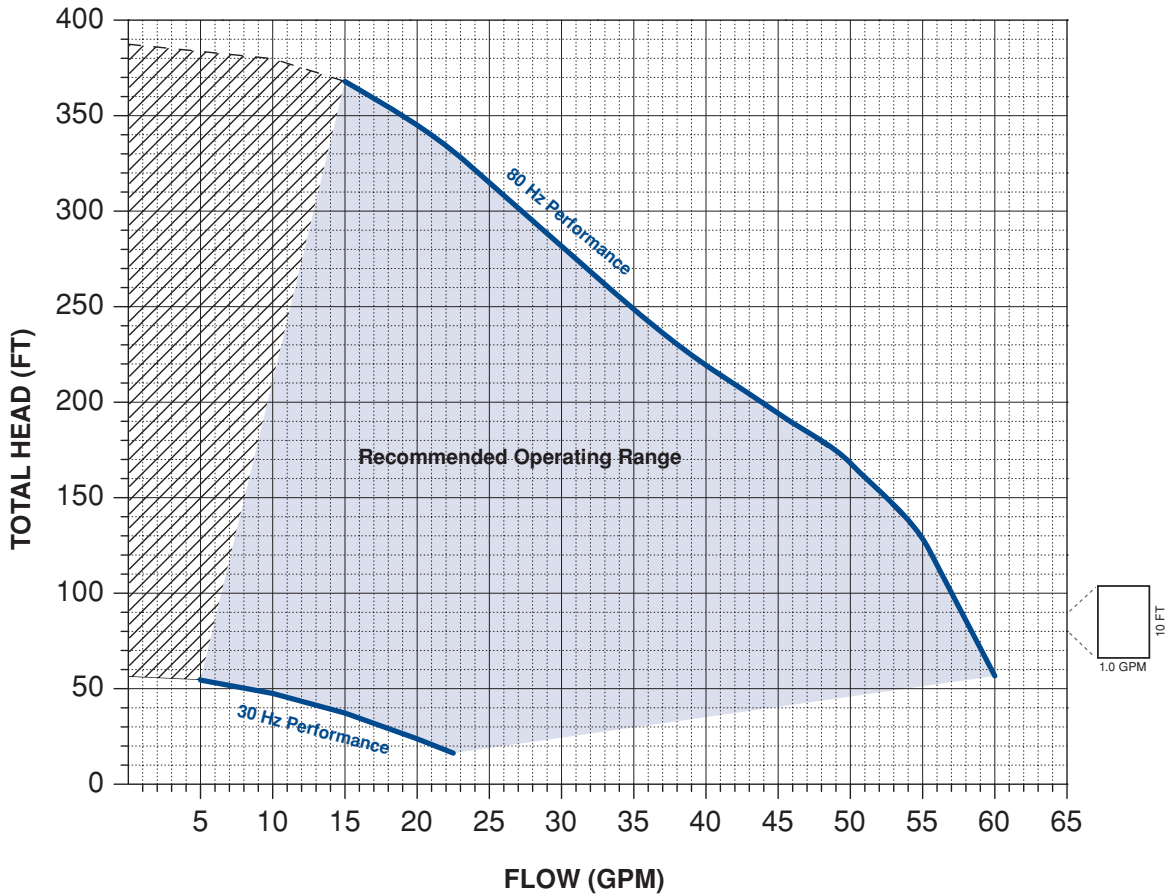
HP	PSI	Depth to Pumping Water Level, or Lift (in feet)										
		20	40	60	80	100	120	140	160	180	200	250
2	0						53	49	46	41	36	25
	10					52	48	45	41	36	31	19
	20				51	48	44	40	35	30	26	
	30			51	47	44	39	34	30	26	20	
	40	54	50	47	43	38	33	29	25	19		
	50	50	46	42	38	33	28	24	18			
	60	46	42	37	32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

# SubDrive *QuickPAK*

## 35SDQP-3.0HP

SD150, 35 gpm - 1.5 hp Pump End, 3.0 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	

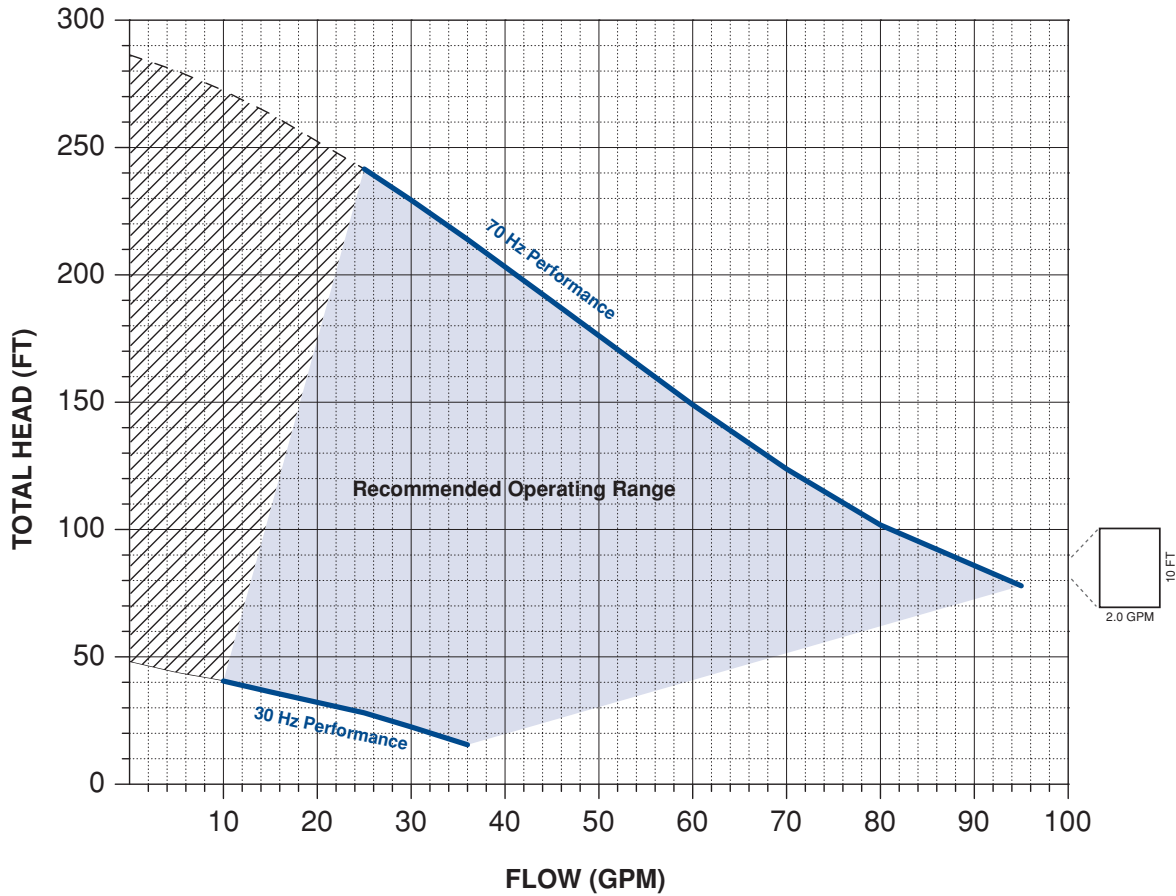
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# Pump Performance

## 60SDQP-3.0HP

SD150, 60 gpm - 2.0 hp Pump End, 3.0 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

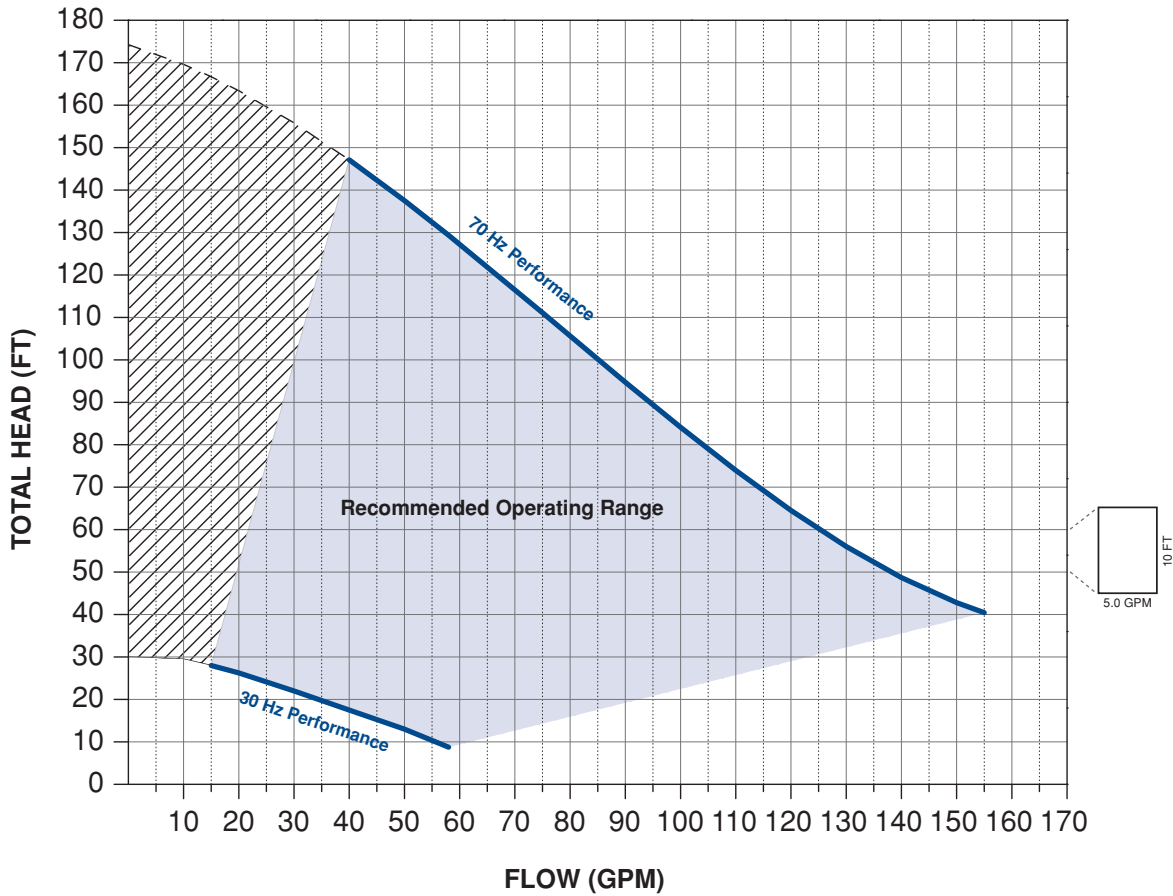
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

# SubDrive *QuickPAK*

## 90SDQP-3.0HP

SD150, 90 gpm - 2.0 hp Pump End, 3.0 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.