

# CONSTANT PRESSURE PUMP SYSTEMS



QuickPAK now available with  
either SubDrive or MonoDrive.

# QuickPAK Constant Pressure

## All-in-One Package:

The SubDrive QuickPAK is an all-in-one package with an extended warranty available on the pump, motor and drive 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
- Extended warranty available 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



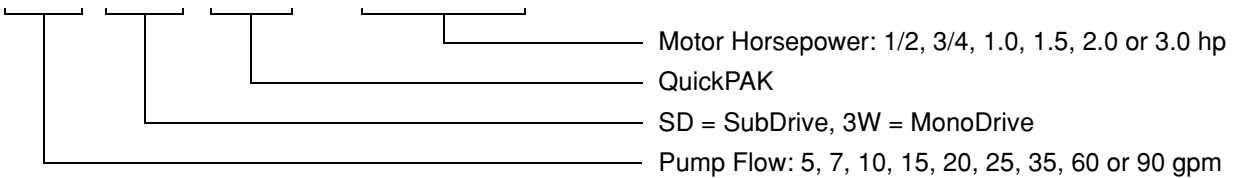
# Ordering Information

## Contents:

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| 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 | 1.5  | 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 | - | - |

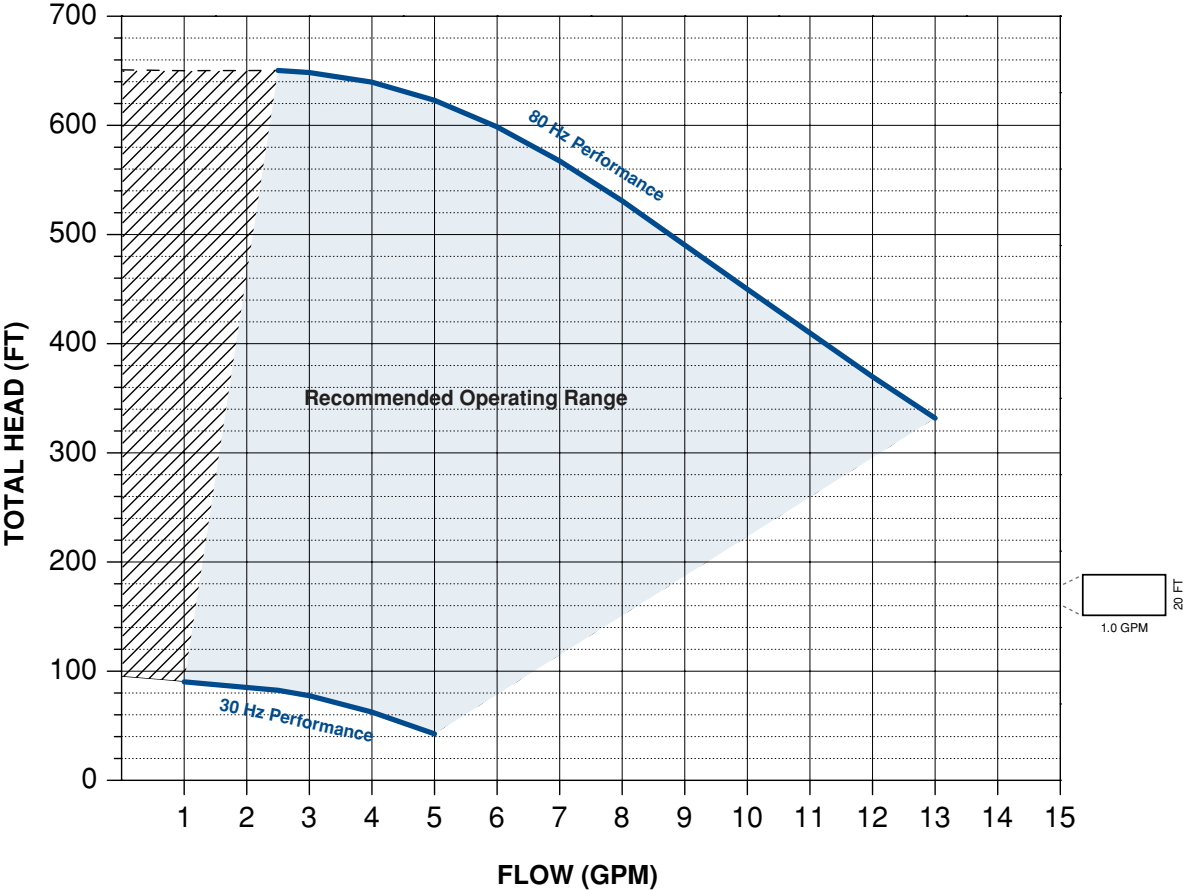
**NOTE:**

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

# Pump Performance

## 7SDQP-1.5HP

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



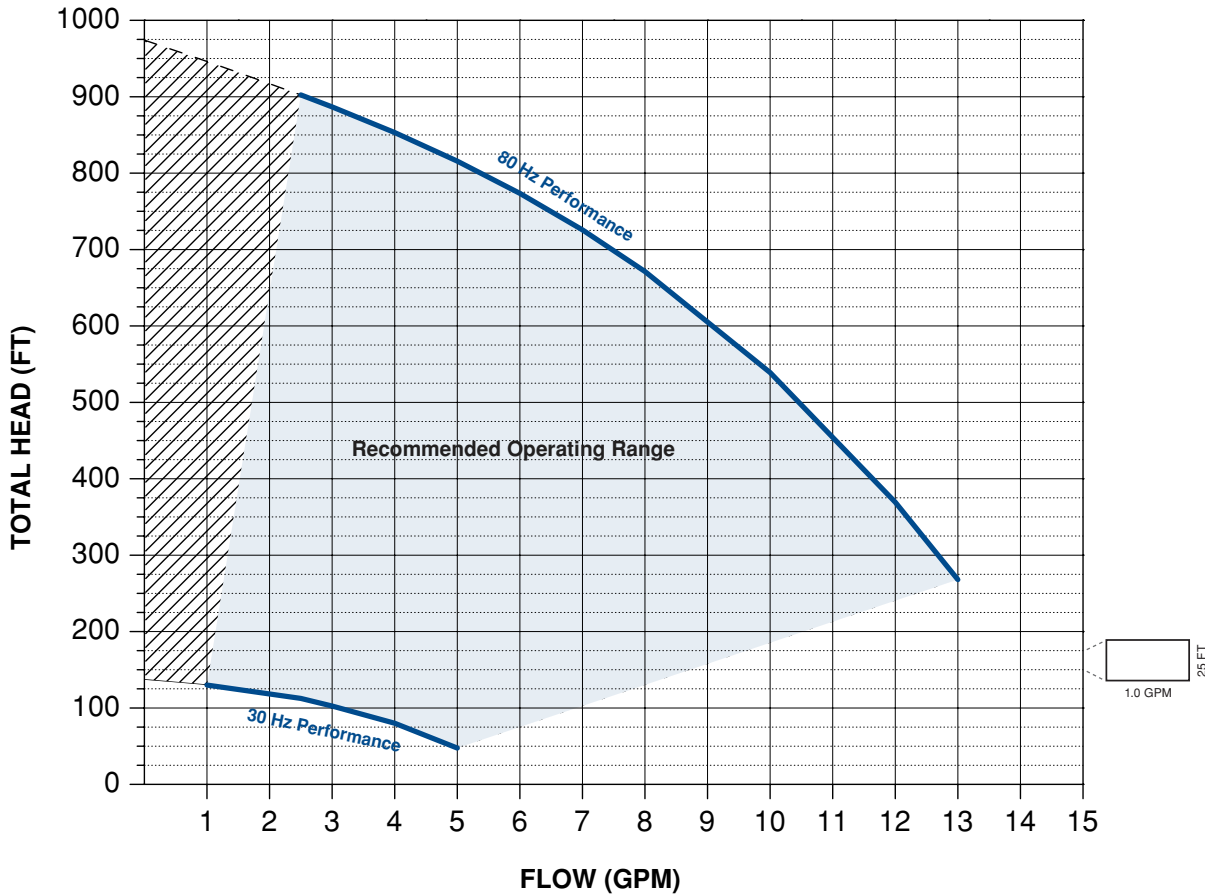
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 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  | 11  | 11  | 10  | 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  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 7   | 6   | 5   | 3   |     |     |     |     |
|              | 110 | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 7   | 6   | 5   | 4   |     |     |     |     |     |
|              | 120 | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 11  | 11  | 10  | 9   | 9   | 8   | 7   | 6   | 5   | 3   |     |     |     |     |     |
|              | 130 | 12  | 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  | 10  | 9   | 8   | 7   | 6   | 5   | 3   |     |     |     |     |     |     |
|              | 150 | 12  | 12  | 12  | 11  | 11  | 11  | 11  | 10  | 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  |

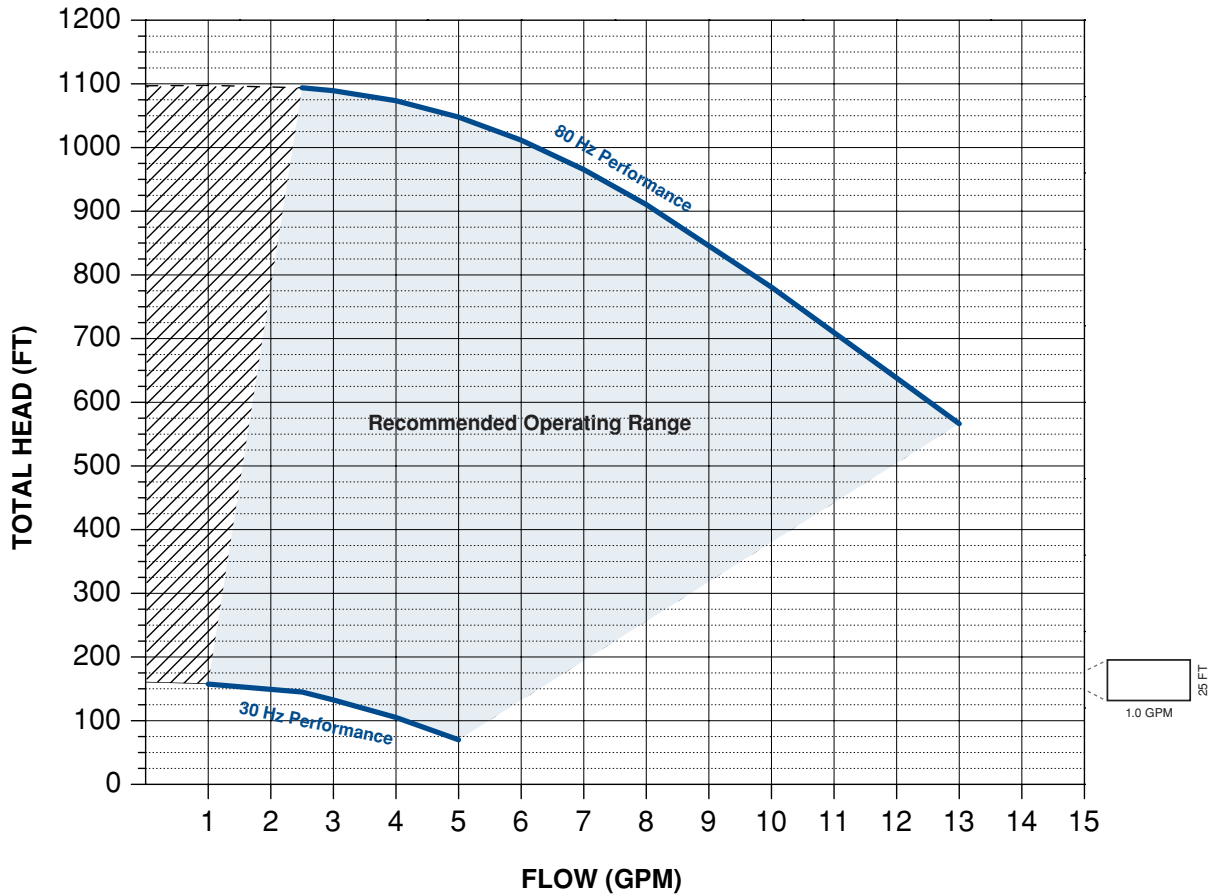
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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

## 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   | 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   |

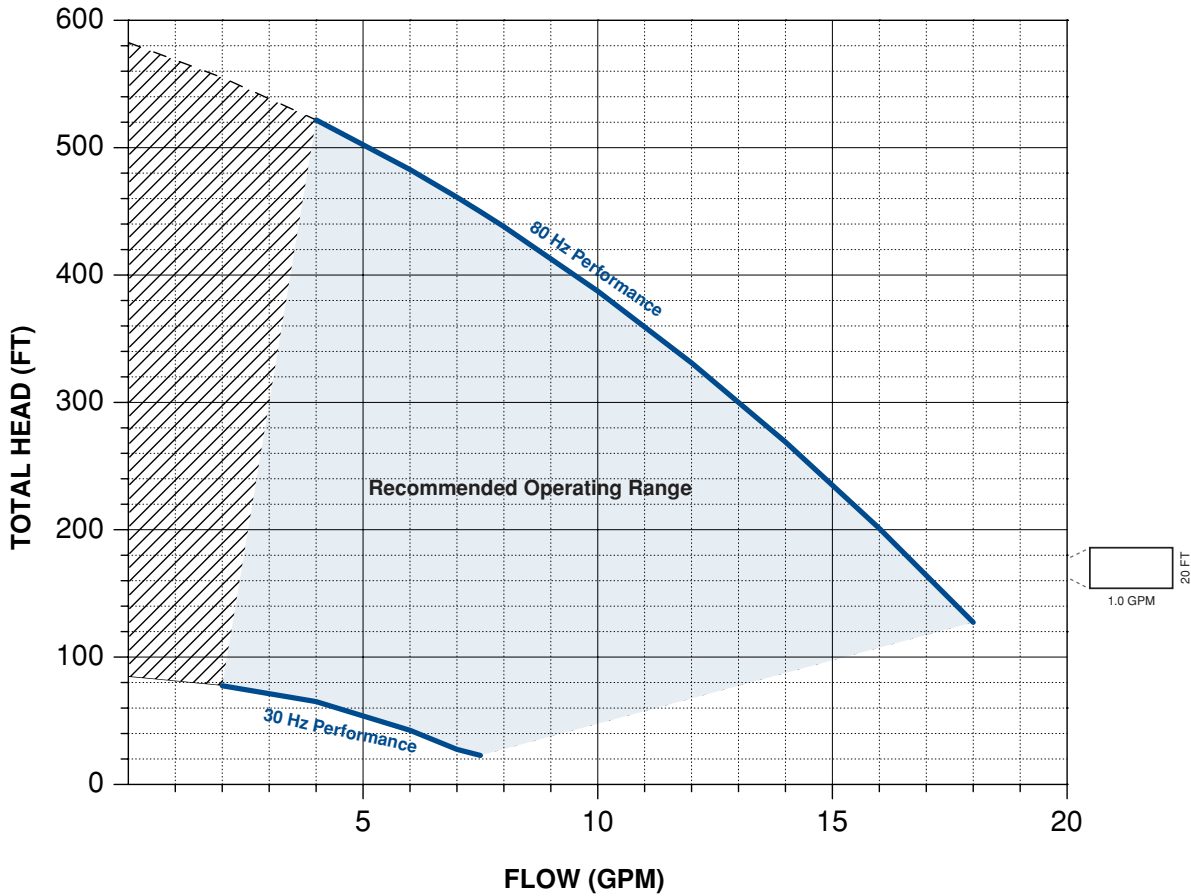
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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*

## 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  |

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

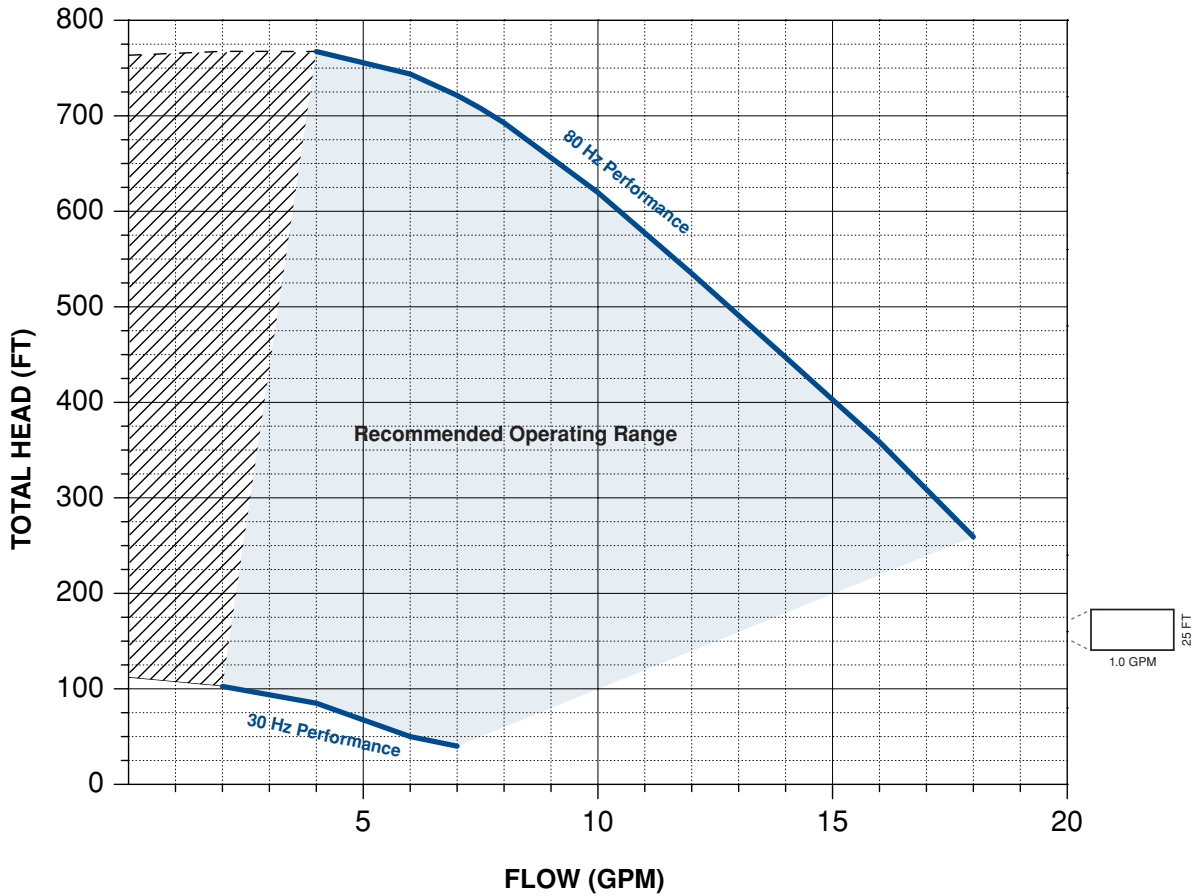
Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.



# Pump Performance

## 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  | 15  | 14  | 12  | 11  | 10  | 9   | 7   |     |     |     |     |
|              | 80  |   |     |     |     | 17  | 17  | 16  | 16  | 16  | 16  | 14  | 13  | 12  | 11  | 10  | 9   | 6   |     |     |     |     |
|              | 90  |   |     |     | 17  | 17  | 16  | 16  | 16  | 16  | 15  | 15  | 14  | 13  | 11  | 10  | 9   | 8   |     |     |     |     |
|              | 100 |   |     | 17  | 17  | 16  | 16  | 16  | 16  | 15  | 15  | 13  | 12  | 11  | 10  | 9   | 6   |     |     |     |     |     |
|              | 110 | 17  | 17  | 17  | 16  | 16  | 16  | 16  | 15  | 15  | 14  | 14  | 13  | 11  | 10  | 9   | 8   | 4   |     |     |     |     |
|              | 120 | 17  | 17  | 16  | 16  | 16  | 15  | 15  | 14  | 14  | 13  | 12  | 11  | 10  | 9   | 6   |     |     |     |     |     |     |
|              | 130 | 16  | 16  | 16  | 16  | 15  | 15  | 14  | 14  | 13  | 13  | 11  | 10  | 9   | 8   | 4   |     |     |     |     |     |     |
|              | 140 | 16  | 16  | 16  | 15  | 15  | 14  | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 7   |     |     |     |     |     |     |     |
|              | 150 | 16  | 15  | 15  | 15  | 14  | 14  | 13  | 13  | 12  | 12  | 10  | 10  | 8   | 5   |     |     |     |     |     |     |     |
|              | 160 | 14  | 14  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 7   |     |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 324   | 315 | 306 | 298 | 289 | 280 | 272 | 263 | 254 | 246 | 224 | 202 | 181 | 159 | 137 | 116 | 94  | 72  | 51  | 29  | 8   |

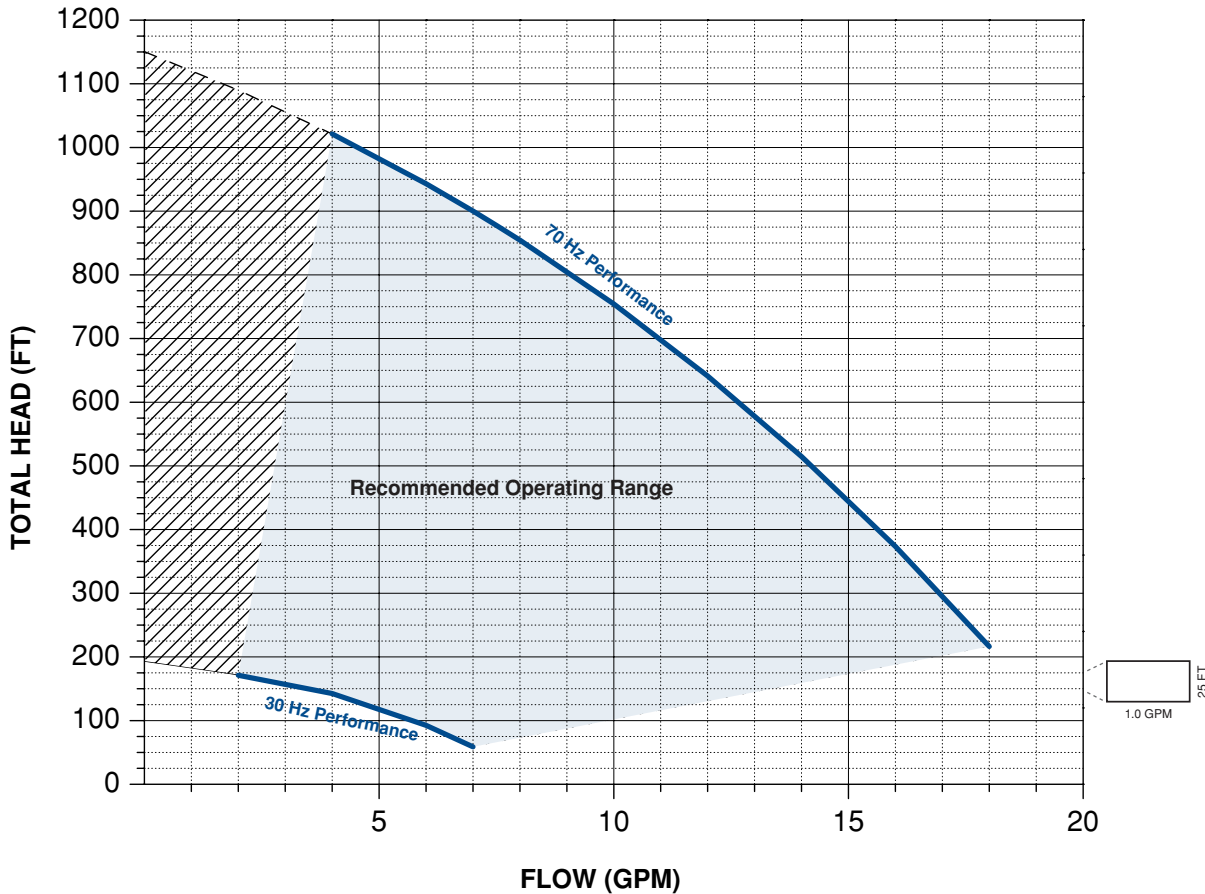
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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*

## 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   | 4   |     |     |     |     |      |
|              | 120 | 17  | 17  | 16  | 16  | 16  | 16  | 15  | 15  | 15  | 15  | 14  | 13  | 12  | 11  | 10  | 10  | 9   | 8   | 6   | 5   | 4   |     |     |     |     |      |
|              | 130 | 17  | 16  | 16  | 16  | 16  | 15  | 15  | 15  | 15  | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |      |
|              | 140 | 16  | 16  | 16  | 16  | 15  | 15  | 15  | 14  | 14  | 14  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 6   | 5   | 4   |     |     |     |     |     |      |
|              | 150 | 16  | 16  | 16  | 15  | 15  | 15  | 14  | 14  | 14  | 14  | 13  | 12  | 11  | 10  | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |      |
|              | 160 | 15  | 15  | 15  | 14  | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   | 5   | 4   |     |     |     |     |     |     |     |      |
| Shut-off psi |     | 490   | 481 | 472 | 464 | 455 | 446 | 438 | 429 | 420 | 412 | 390 | 368 | 347 | 325 | 303 | 282 | 260 | 238 | 217 | 195 | 173 | 152 | 130 | 108 | 87  | 65   |

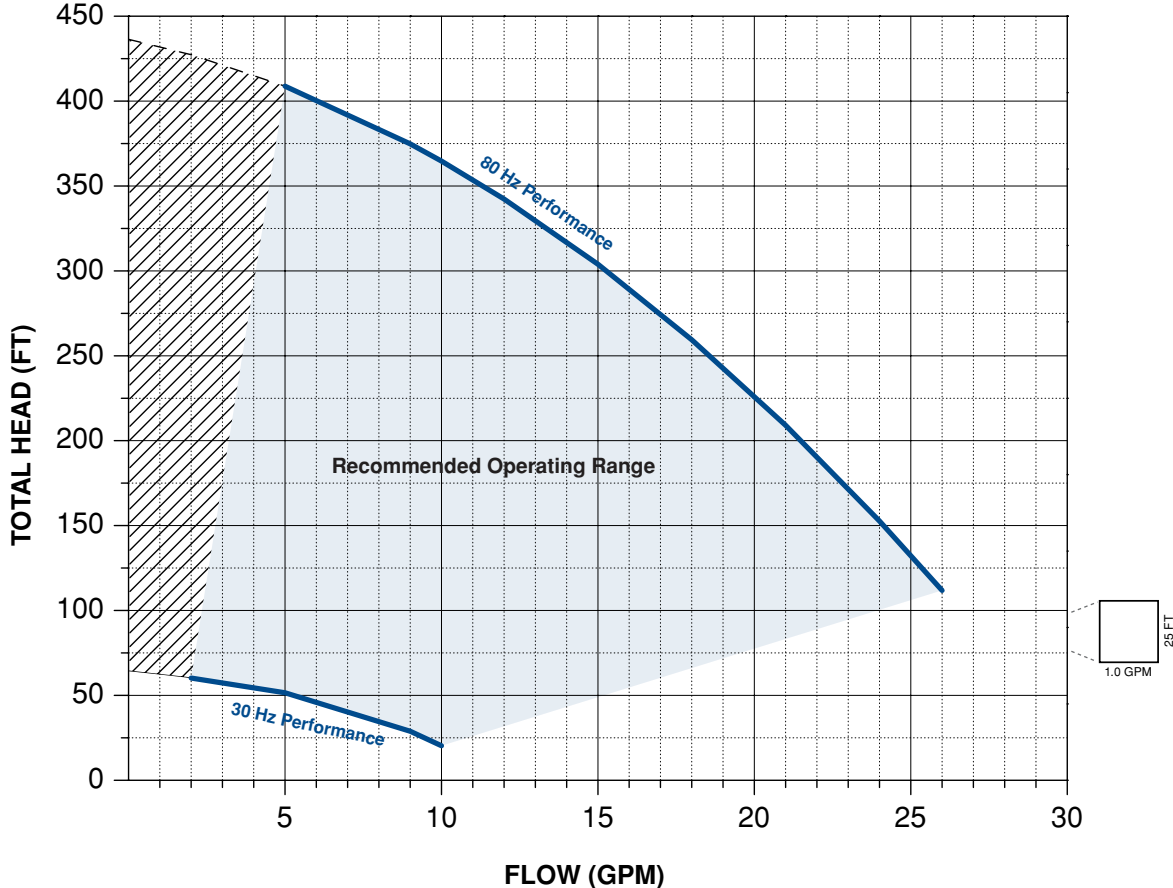
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.

# Pump Performance

## 15SDQP-1.5HP

SD75, 15 gpm - 3/4 hp Pump End, 1.5 hp Motor



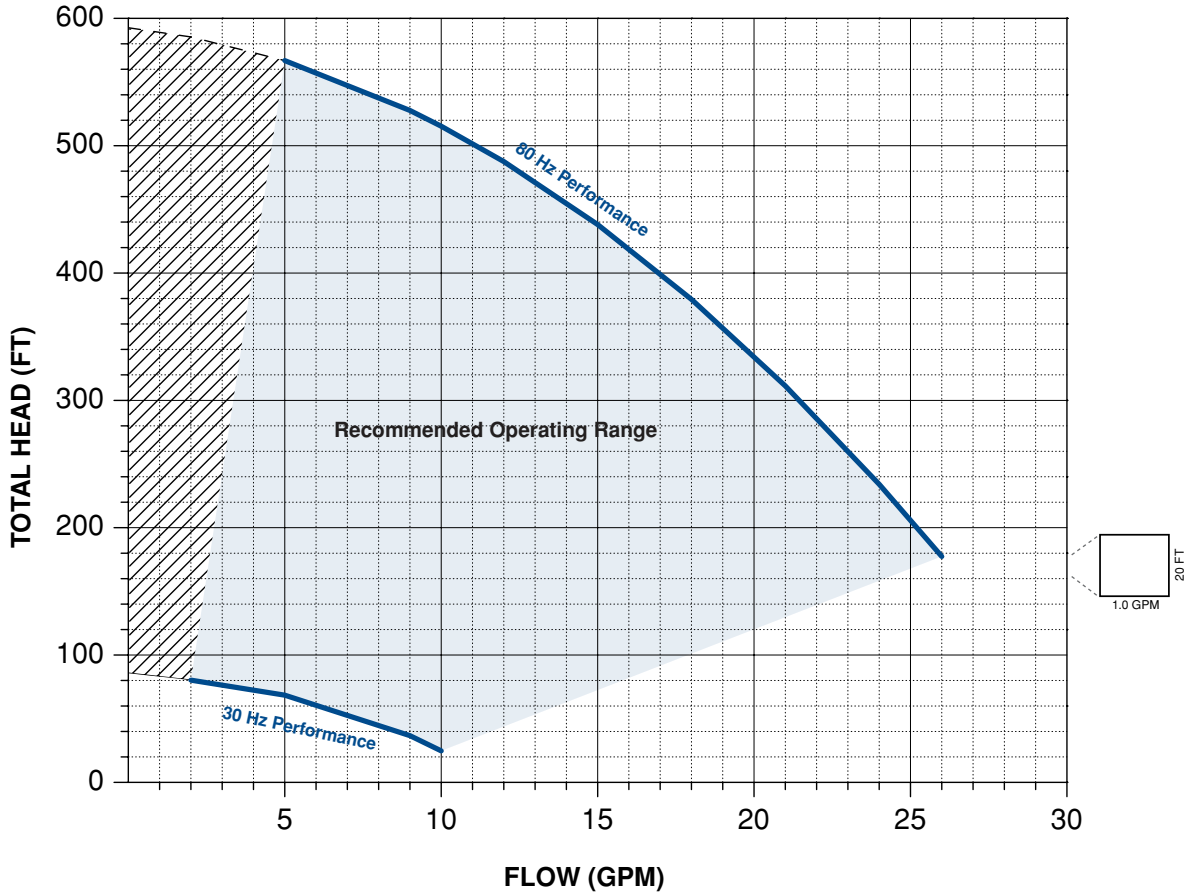
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40  | 60  | 80  | 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  |

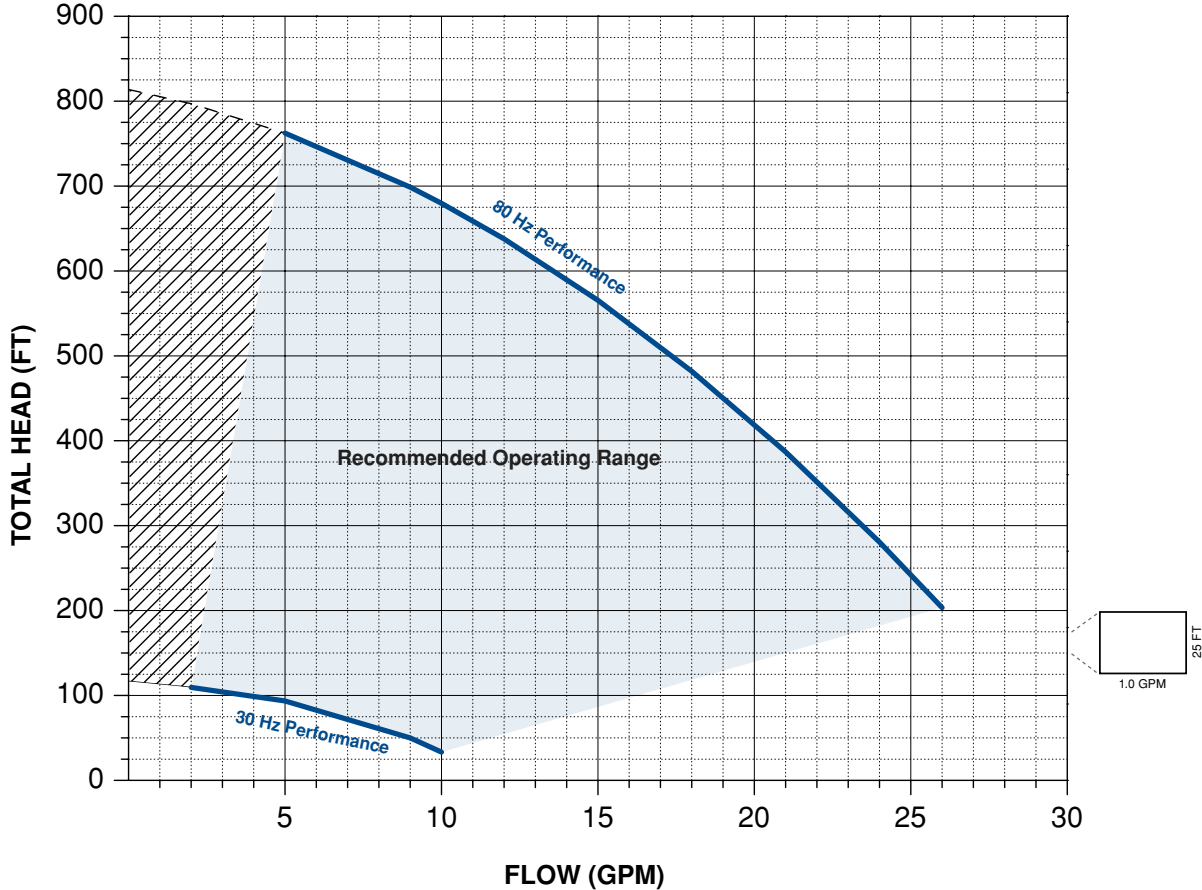
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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



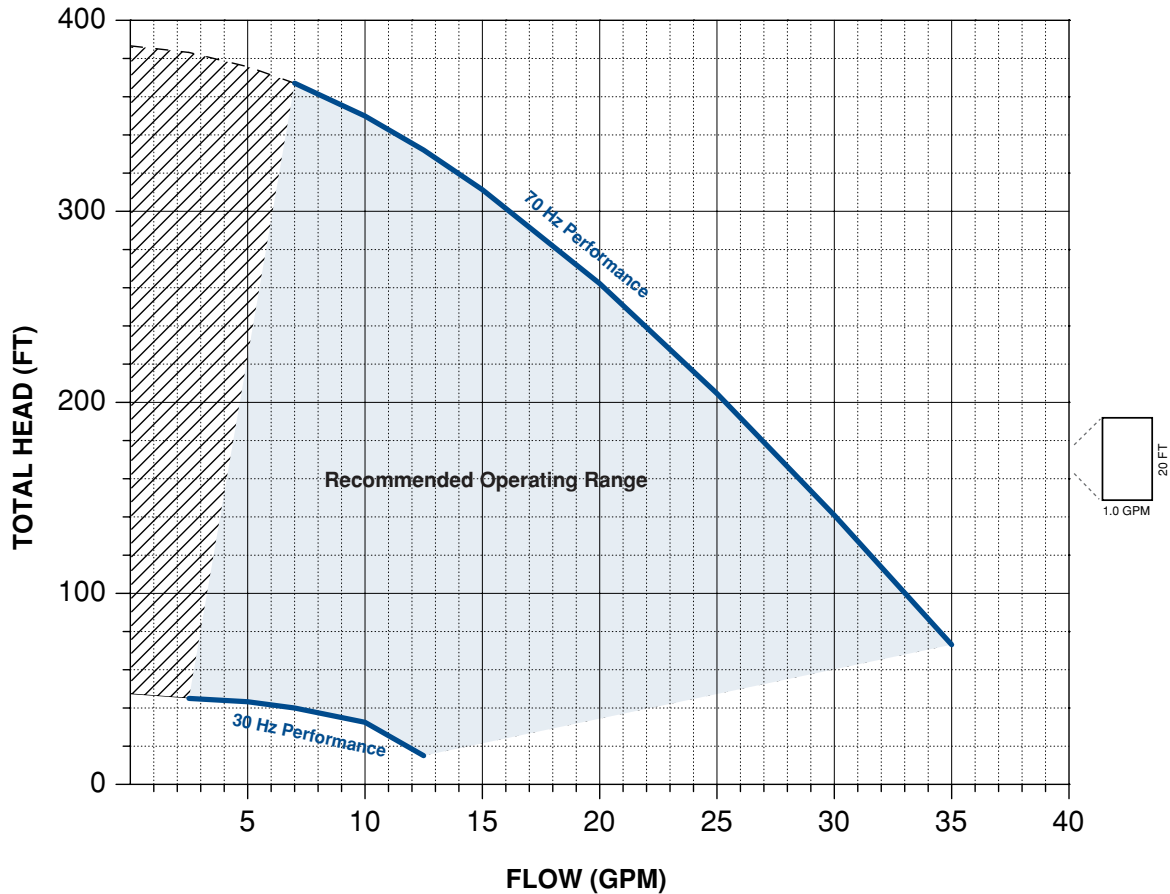
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 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  |

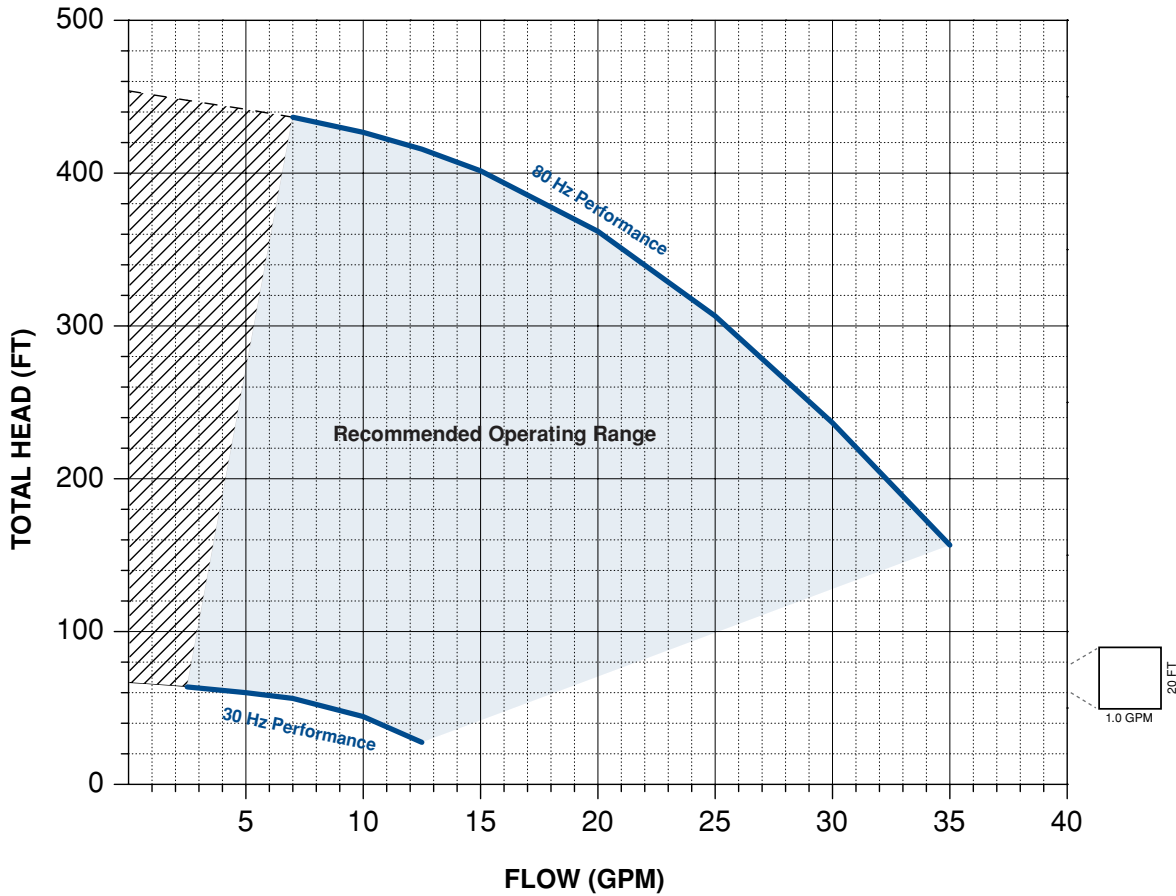
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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  |

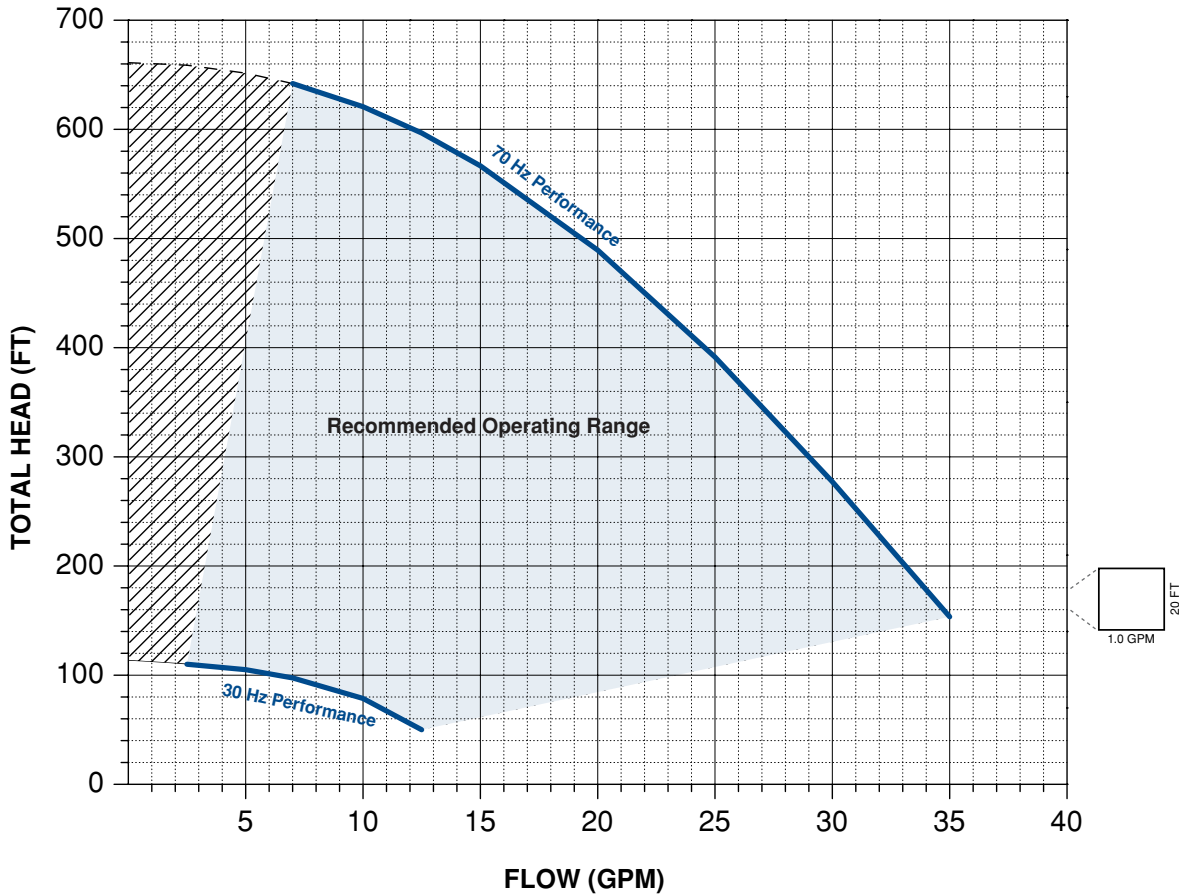
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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.

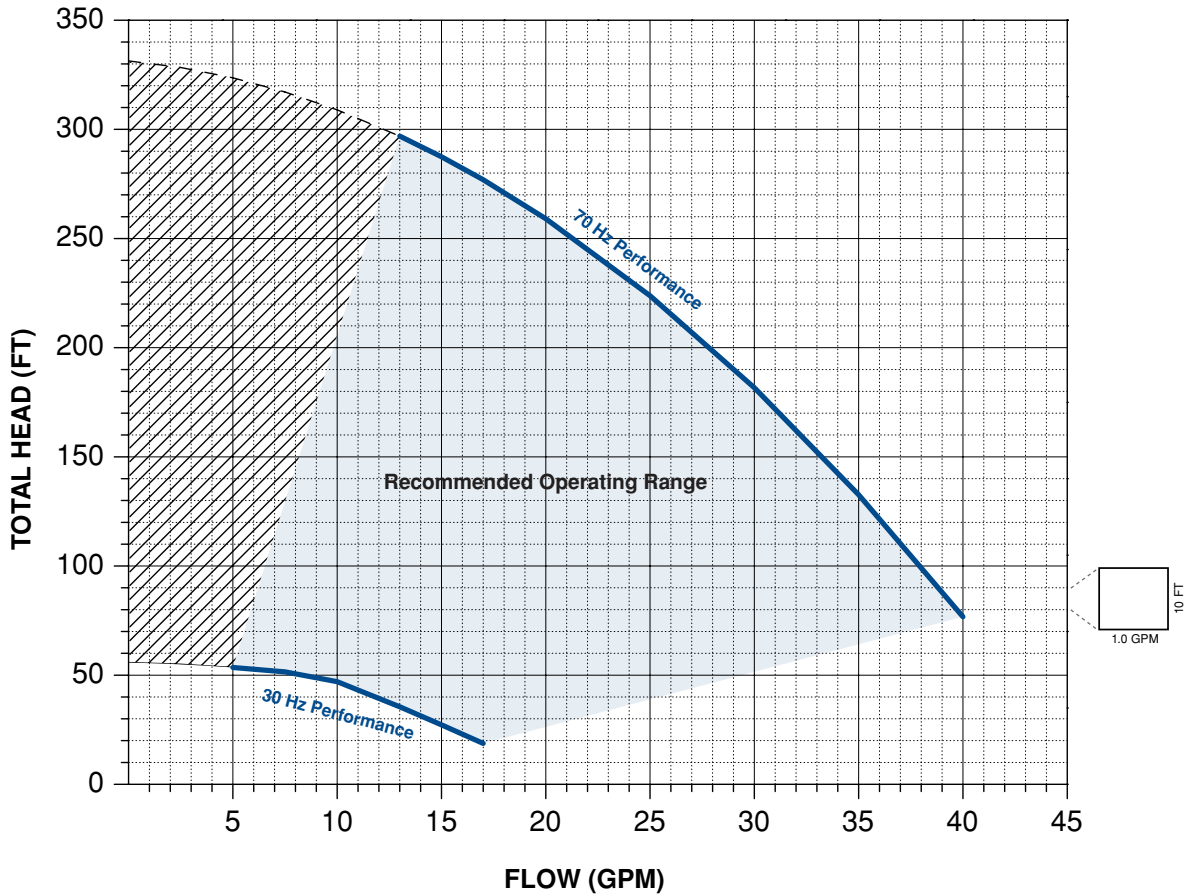
Actual maximum performance of the SubDrive QuickPAK system is power limited by the SubDrive unit. This limit is based on the maximum allowable AMP load of the submersible motor. The result is that in some installations an 80 Hz speed may not be attained.



# 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  |

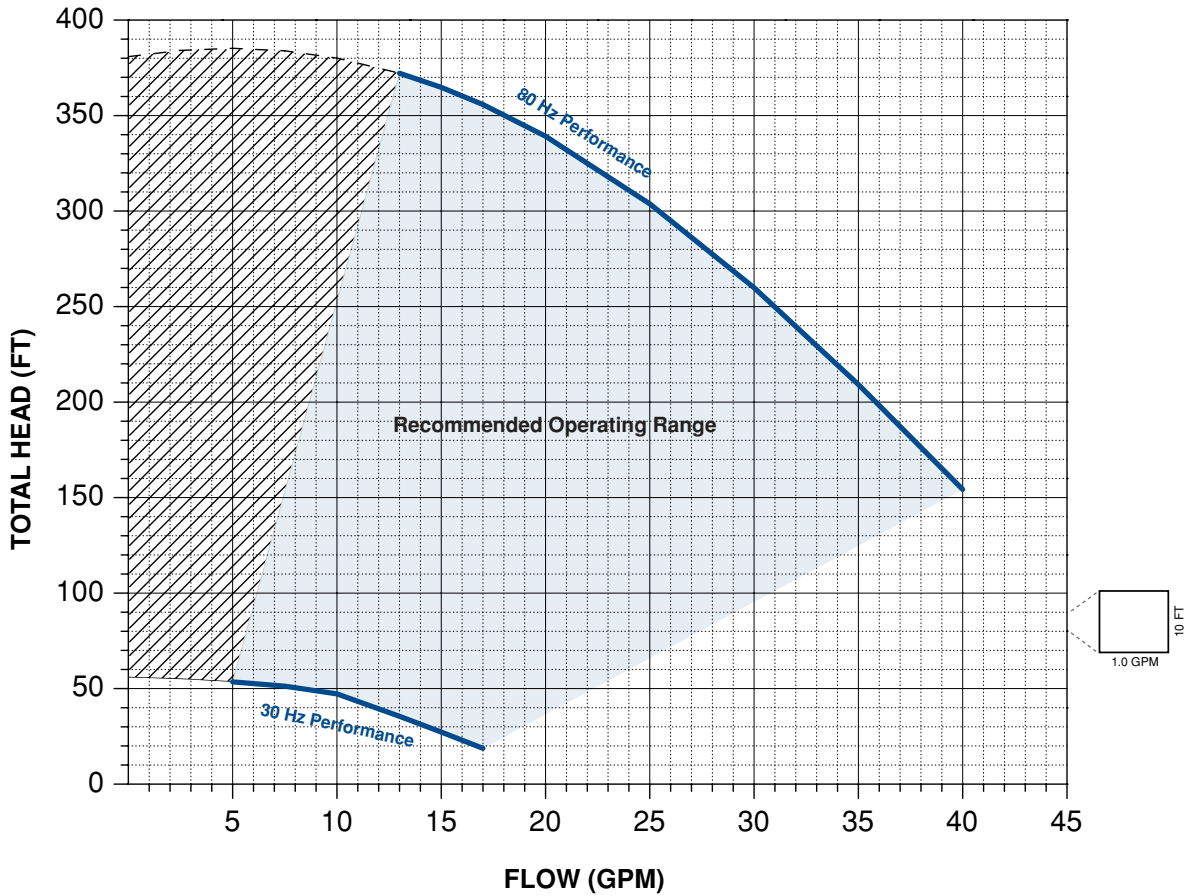
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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  |

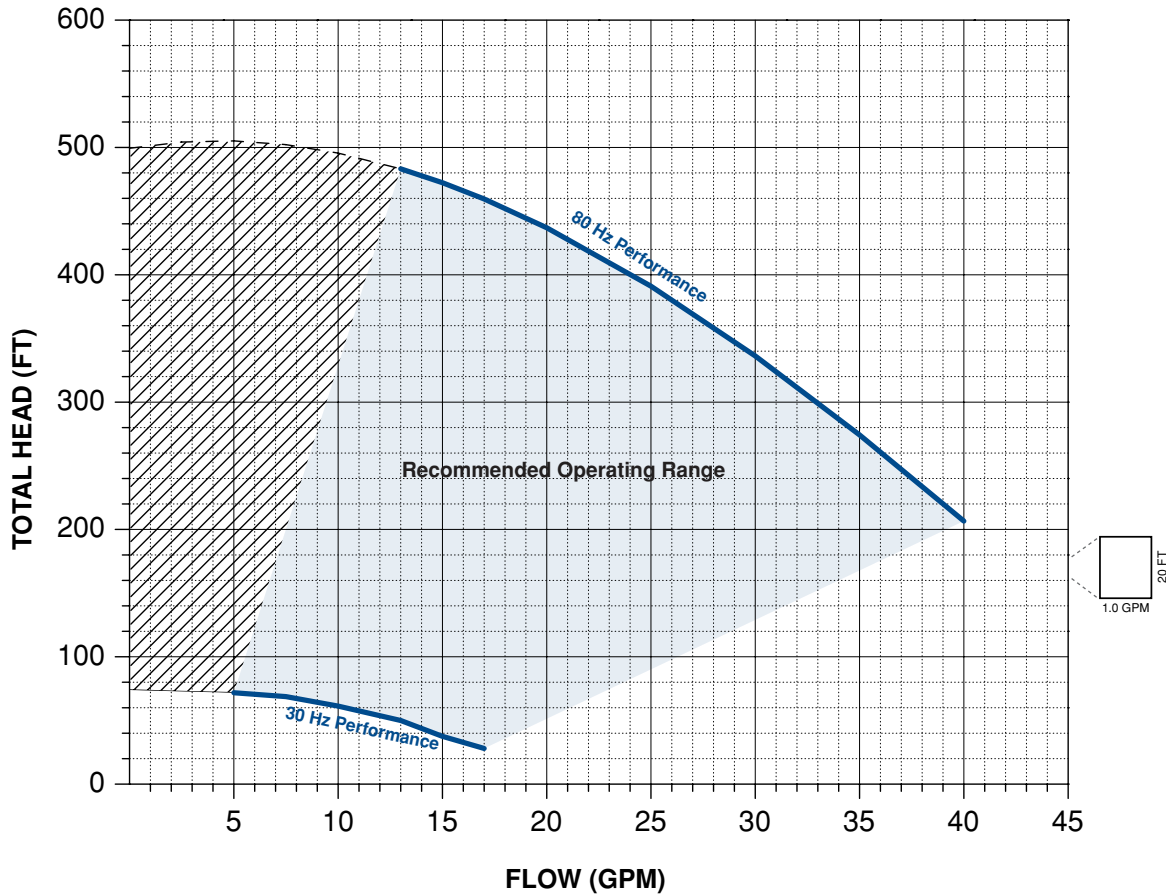
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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 |
| <b>3</b>     | 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  |

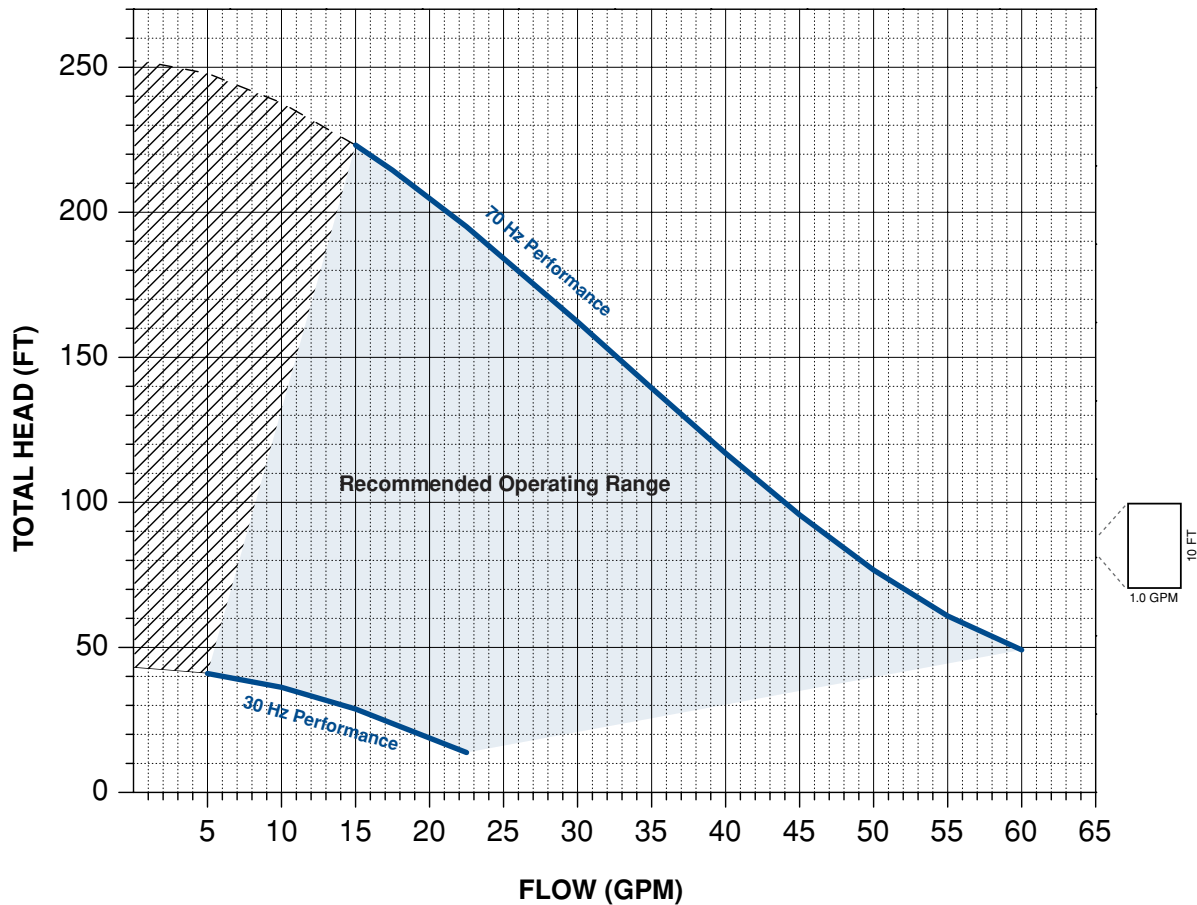
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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  |

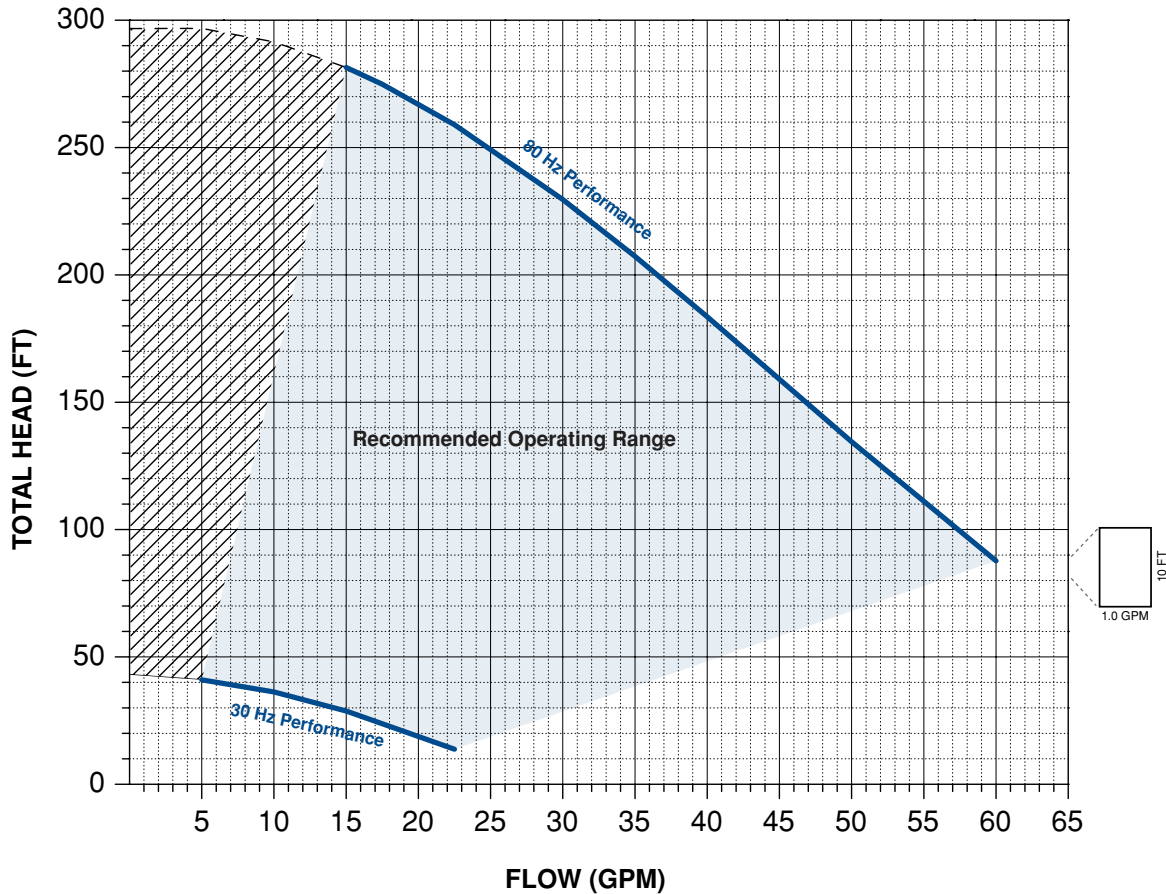
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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  |

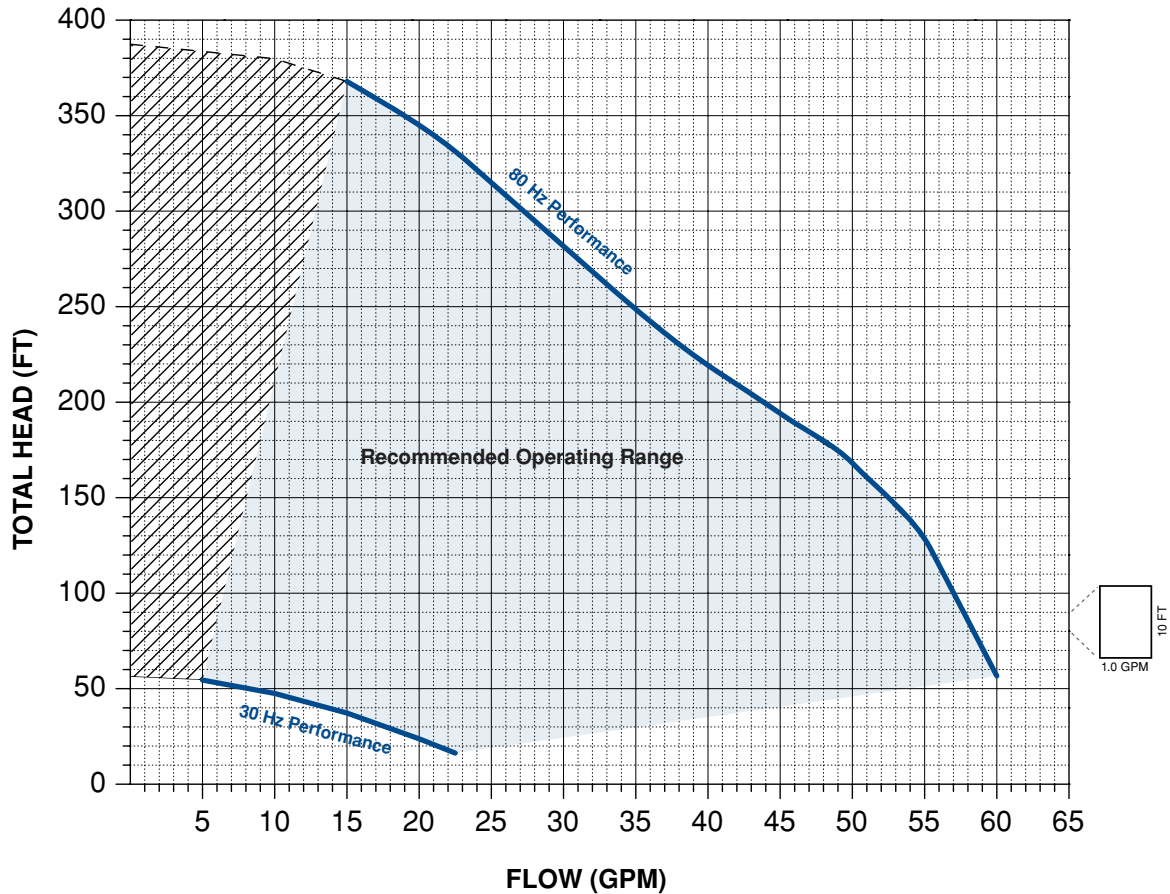
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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 |  |
| <b>3</b>     | 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  |  |

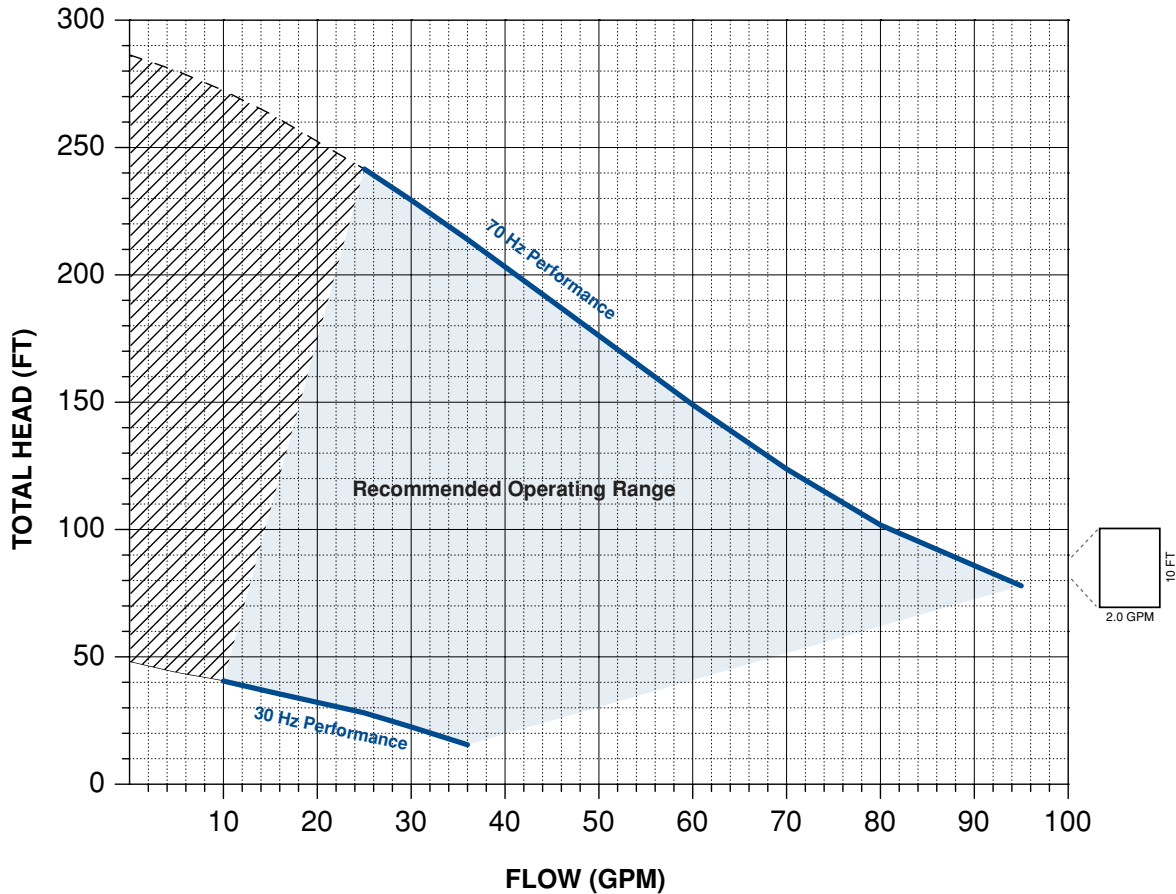
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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  |

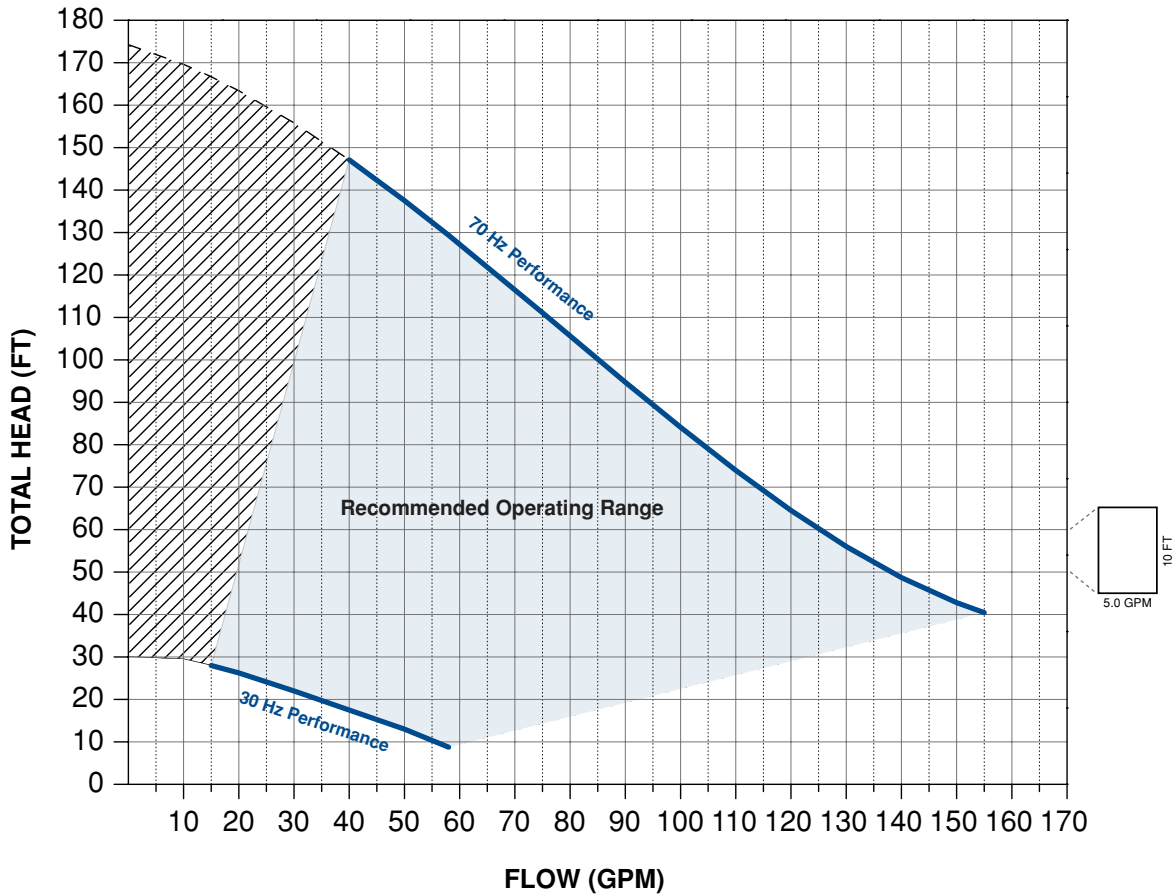
**NOTE:** Running outside of 'Recommended Operating Range' for short periods of time is permissible.

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 |
| <b>3</b>     | 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.



## MonoDrive NEMA 1 Enclosure:

| QuickPAK  |                |     | MonoDrive  |            | Pump |     |        |            |          | Motor |             |
|-----------|----------------|-----|------------|------------|------|-----|--------|------------|----------|-------|-------------|
| Order No. | Model Number   | GPM | Drive Type | Part No.   | HP   | GPM | Design | Hydraulics | Part No. | HP    | Part No.    |
| 93970501  | 5-3WQP-0.5HP   | 5   | MD         | 5870203110 | 1/2  | 5   | SS     | Noryl      | 93870505 | 1/2   | 2145059004S |
| 93970503  | 5-3WQP-0.75HP  | 5   | MD         | 5870203110 | 3/4  | 5   | SS     | Noryl      | 93870507 | 3/4   | 2145079004S |
| 93970505  | 5-3WQP-1.0HP   | 5   | MD         | 5870203110 | 1    | 5   | SS     | Noryl      | 93870510 | 1     | 2145089003S |
| 93970701  | 7-3WQP-0.5HP   | 7   | MD         | 5870203110 | 1/2  | 7   | SS     | Tri-Seal   | 93870705 | 1/2   | 2145059004S |
| 93970703  | 7-3WQP-0.75HP  | 7   | MD         | 5870203110 | 3/4  | 7   | SS     | Tri-Seal   | 93870707 | 3/4   | 2145079004S |
| 93970705  | 7-3WQP-1.0HP   | 7   | MD         | 5870203110 | 1    | 7   | SS     | Tri-Seal   | 93870710 | 1     | 2145089003S |
| 93971001  | 10-3WQP-0.5HP  | 10  | MD         | 5870203110 | 1/2  | 10  | SS     | Tri-Seal   | 93871005 | 1/2   | 2145059004S |
| 93971003  | 10-3WQP-0.75HP | 10  | MD         | 5870203110 | 3/4  | 10  | SS     | Tri-Seal   | 93871007 | 3/4   | 2145079004S |
| 93971005  | 10-3WQP-1.0HP  | 10  | MD         | 5870203110 | 1    | 10  | SS     | Tri-Seal   | 93871010 | 1     | 2145089003S |
| 93971007  | 10-3WQP-1.5HP  | 10  | MDXT       | 5870204110 | 1.5  | 10  | SS     | Tri-Seal   | 93871015 | 1.5   | 2243009203S |
| 93971009  | 10-3WQP-2.0HP  | 10  | MDXT       | 5870204110 | 2    | 10  | SS     | Tri-Seal   | 93871020 | 2     | 2243019204S |
| 93971501  | 15-3WQP-0.5HP  | 15  | MD         | 5870203110 | 1/2  | 15  | SS     | Tri-Seal   | 93871505 | 1/2   | 2145059004S |
| 93971503  | 15-3WQP-0.75HP | 15  | MD         | 5870203110 | 3/4  | 15  | SS     | Tri-Seal   | 93871507 | 3/4   | 2145079004S |
| 93971505  | 15-3WQP-1.0HP  | 15  | MD         | 5870203110 | 1    | 15  | SS     | Tri-Seal   | 93871510 | 1     | 2145089003S |
| 93971507  | 15-3WQP-1.5HP  | 15  | MDXT       | 5870204110 | 1.5  | 15  | SS     | Tri-Seal   | 93871515 | 1.5   | 2243009203S |
| 93971509  | 15-3WQP-2.0HP  | 15  | MDXT       | 5870204110 | 2    | 15  | SS     | Tri-Seal   | 93871520 | 2     | 2243019204S |
| 93972003  | 20-3WQP-0.75HP | 20  | MD         | 5870203110 | 3/4  | 20  | SS     | Tri-Seal   | 93872007 | 3/4   | 2145079004S |
| 93972005  | 20-3WQP-1.0HP  | 20  | MD         | 5870203110 | 1    | 20  | SS     | Tri-Seal   | 93872010 | 1     | 2145089003S |
| 93972007  | 20-3WQP-1.5HP  | 20  | MDXT       | 5870204110 | 1.5  | 20  | SS     | Tri-Seal   | 93872015 | 1.5   | 2243009203S |
| 93972009  | 20-3WQP-2.0HP  | 20  | MDXT       | 5870204110 | 2    | 20  | SS     | Tri-Seal   | 93872020 | 2     | 2243019204S |
| 93972505  | 25-3WQP-1.0HP  | 25  | MD         | 5870203110 | 1    | 25  | SS     | Tri-Seal   | 93872510 | 1     | 2145089003S |
| 93972507  | 25-3WQP-1.5HP  | 25  | MDXT       | 5870204110 | 1.5  | 25  | SS     | Tri-Seal   | 93872515 | 1.5   | 2243009203S |
| 93972509  | 25-3WQP-2.0HP  | 25  | MDXT       | 5870204110 | 2    | 25  | SS     | Tri-Seal   | 93872525 | 2     | 2243019204S |

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

# 3-Wire *QuickPAK*

## MonoDrive NEMA 4 Enclosure:

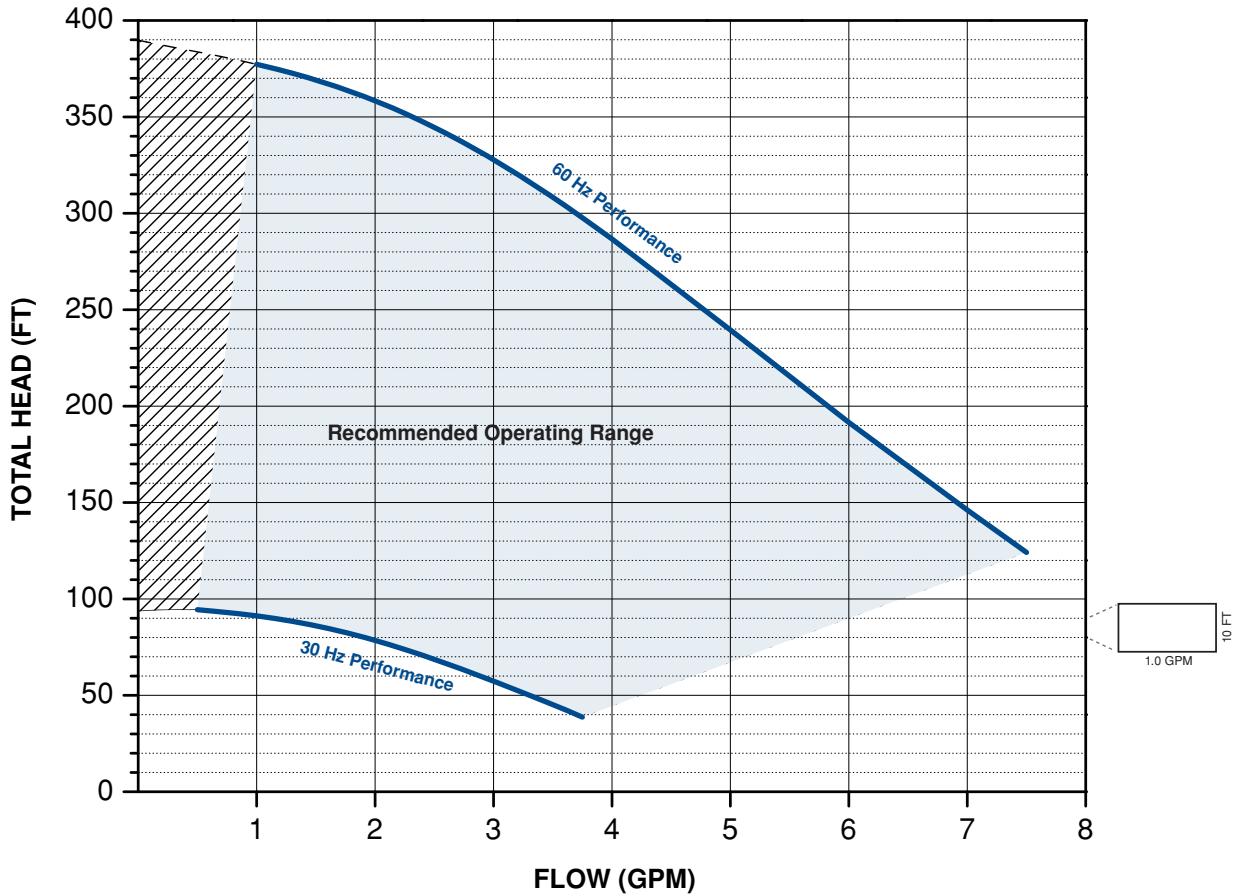
| QuickPAK  |                   |     | MonoDrive  |            | Pump |     |        |            |          | Motor |             |
|-----------|-------------------|-----|------------|------------|------|-----|--------|------------|----------|-------|-------------|
| Order No. | Model Number      | GPM | Drive Type | Part No.   | HP   | GPM | Design | Hydraulics | Part No. | HP    | Part No.    |
| 93970502  | 5-3WQP-0.5HP-N4   | 5   | MD-N4      | 5870203114 | 1/2  | 5   | SS     | Noryl      | 93870505 | 1/2   | 2145059004S |
| 93970504  | 5-3WQP-0.75HP-N4  | 5   | MD-N4      | 5870203114 | 3/4  | 5   | SS     | Noryl      | 93870507 | 3/4   | 2145079004S |
| 93970506  | 5-3WQP-1.0HP-N4   | 5   | MD-N4      | 5870203114 | 1    | 5   | SS     | Noryl      | 93870510 | 1     | 2145089003S |
| 93970702  | 7-3WQP-0.5HP-N4   | 7   | MD-N4      | 5870203114 | 1/2  | 7   | SS     | Tri-Seal   | 93870705 | 1/2   | 2145059004S |
| 93970704  | 7-3WQP-0.75HP-N4  | 7   | MD-N4      | 5870203114 | 3/4  | 7   | SS     | Tri-Seal   | 93870707 | 3/4   | 2145079004S |
| 93970706  | 7-3WQP-1.0HP-N4   | 7   | MD-N4      | 5870203114 | 1    | 7   | SS     | Tri-Seal   | 93870710 | 1     | 2145089003S |
| 93971002  | 10-3WQP-0.5HP-N4  | 10  | MD-N4      | 5870203114 | 1/2  | 10  | SS     | Tri-Seal   | 93871005 | 1/2   | 2145059004S |
| 93971004  | 10-3WQP-0.75HP-N4 | 10  | MD-N4      | 5870203114 | 3/4  | 10  | SS     | Tri-Seal   | 93871007 | 3/4   | 2145079004S |
| 93971006  | 10-3WQP-1.0HP-N4  | 10  | MD-N4      | 5870203114 | 1    | 10  | SS     | Tri-Seal   | 93871010 | 1     | 2145089003S |
| 93971008  | 10-3WQP-1.5HP-N4  | 10  | MDXT-N4    | 5870204114 | 1.5  | 10  | SS     | Tri-Seal   | 93871015 | 1.5   | 2243009203S |
| 93971010  | 10-3WQP-2.0HP-N4  | 10  | MDXT-N4    | 5870204114 | 2    | 10  | SS     | Tri-Seal   | 93871020 | 2     | 2243019204S |
| 93971502  | 15-3WQP-0.5HP-N4  | 15  | MD-N4      | 5870203114 | 1/2  | 15  | SS     | Tri-Seal   | 93871505 | 1/2   | 2145059004S |
| 93971504  | 15-3WQP-0.75HP-N4 | 15  | MD-N4      | 5870203114 | 3/4  | 15  | SS     | Tri-Seal   | 93871507 | 3/4   | 2145079004S |
| 93971506  | 15-3WQP-1.0HP-N4  | 15  | MD-N4      | 5870203114 | 1    | 15  | SS     | Tri-Seal   | 93871510 | 1     | 2145089003S |
| 93971508  | 15-3WQP-1.5HP-N4  | 15  | MDXT-N4    | 5870204114 | 1.5  | 15  | SS     | Tri-Seal   | 93871515 | 1.5   | 2243009203S |
| 93971510  | 15-3WQP-2.0HP-N4  | 15  | MDXT-N4    | 5870204114 | 2    | 15  | SS     | Tri-Seal   | 93871520 | 2     | 2243019204S |
| 93972004  | 20-3WQP-0.75HP-N4 | 20  | MD-N4      | 5870203114 | 3/4  | 20  | SS     | Tri-Seal   | 93872007 | 3/4   | 2145079004S |
| 93972006  | 20-3WQP-1.0HP-N4  | 20  | MD-N4      | 5870203114 | 1    | 20  | SS     | Tri-Seal   | 93872010 | 1     | 2145089003S |
| 93972008  | 20-3WQP-1.5HP-N4  | 20  | MDXT-N4    | 5870204114 | 1.5  | 20  | SS     | Tri-Seal   | 93872015 | 1.5   | 2243009203S |
| 93972010  | 20-3WQP-2.0HP-N4  | 20  | MDXT-N4    | 5870204114 | 2    | 20  | SS     | Tri-Seal   | 93872020 | 2     | 2243019204S |
| 93972506  | 25-3WQP-1.0HP-N4  | 25  | MD-N4      | 5870203114 | 1    | 25  | SS     | Tri-Seal   | 93872510 | 1     | 2145089003S |
| 93972508  | 25-3WQP-1.5HP-N4  | 25  | MDXT-N4    | 5870204114 | 1.5  | 25  | SS     | Tri-Seal   | 93872515 | 1.5   | 2243009203S |
| 93972510  | 25-3WQP-2.0HP-N4  | 25  | MDXT-N4    | 5870204114 | 2    | 25  | SS     | Tri-Seal   | 93872525 | 2     | 2243019204S |

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

# Pump Performance

## 5-3WQP-0.5HP

MonoDrive, 5 gpm - 1/2 hp Pump End, 1/2 hp Motor



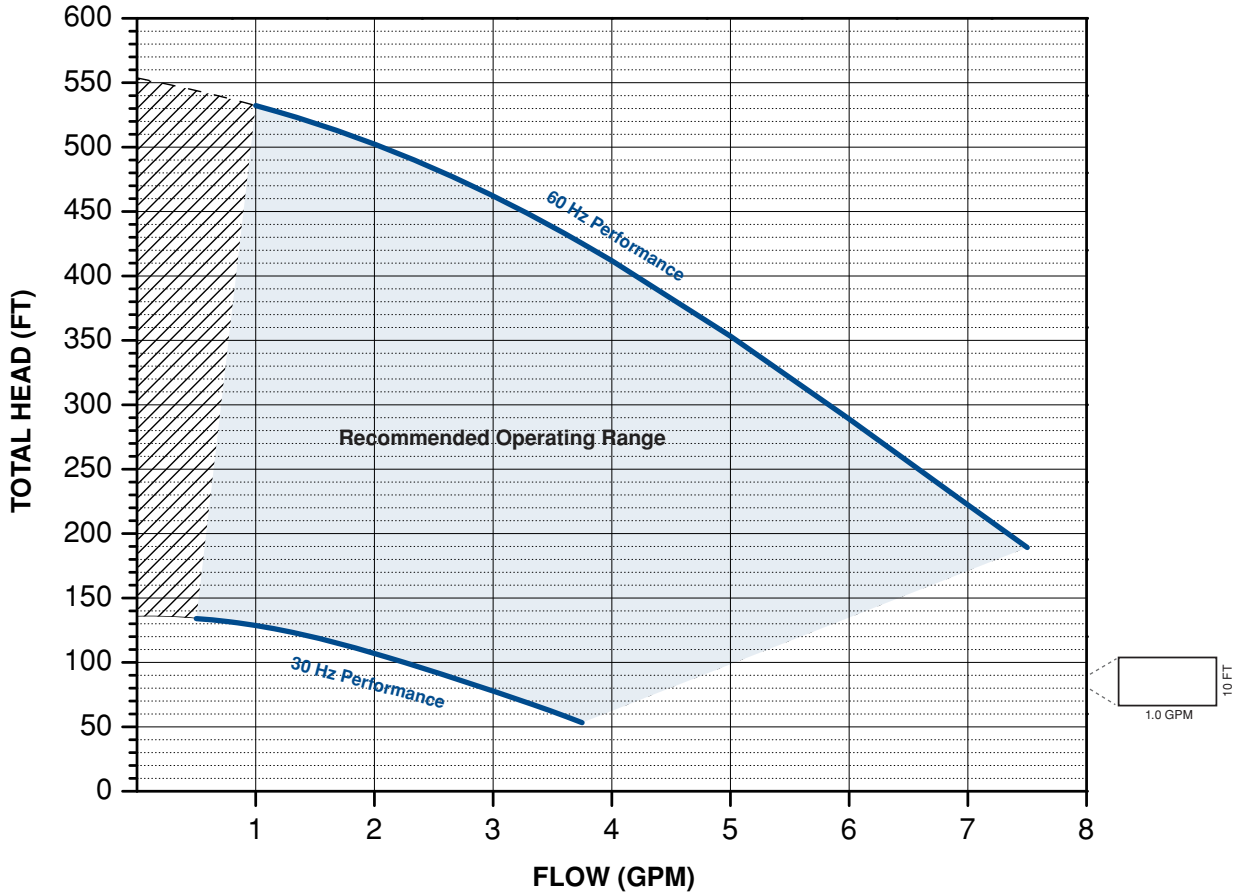
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 250 | 300 | 350 |
| 1/2          | 0   |   |     |     |     |     |     | 7.1 | 6.7 | 6.3 | 5.9 | 4.8 | 3.7 | 2.3 |
|              | 10  |   |     |     |     |     | 7.0 | 6.6 | 6.2 | 5.8 | 5.4 | 4.3 | 3.1 | 1.2 |
|              | 20  |   |     |     | 7.5 | 7.0 | 6.5 | 6.2 | 5.7 | 5.3 | 4.9 | 3.8 | 2.5 |     |
|              | 30  |   |     | 7.4 | 6.9 | 6.5 | 6.1 | 5.7 | 5.2 | 4.8 | 4.3 | 3.2 | 1.5 |     |
|              | 40  |   | 7.3 | 6.8 | 6.4 | 6.0 | 5.6 | 5.2 | 4.7 | 4.3 | 3.8 | 2.6 |     |     |
|              | 50  | 7.2   | 6.8 | 6.4 | 6.0 | 5.5 | 5.1 | 4.6 | 4.2 | 3.8 | 3.3 | 1.7 |     |     |
|              | 60  | 6.7   | 6.3 | 5.9 | 5.5 | 5.0 | 4.6 | 4.1 | 3.7 | 3.3 | 2.7 | 0.1 |     |     |
|              | 70  | 6.2   | 5.8 | 5.4 | 5.0 | 4.5 | 4.1 | 3.6 | 3.2 | 2.6 | 1.9 |     |     |     |
|              | 80  | 5.8   | 5.3 | 4.9 | 4.4 | 4.0 | 3.6 | 3.1 | 2.5 | 1.7 | 0.4 |     |     |     |
|              | 90  | 5.3   | 4.8 | 4.4 | 3.9 | 3.5 | 3.0 | 2.4 | 1.5 | 0.2 |     |     |     |     |
|              | 100 | 4.7   | 4.3 | 3.9 | 3.4 | 2.9 | 2.3 | 1.4 |     |     |     |     |     |     |
|              | 110 | 4.2   | 3.8 | 3.4 | 2.9 | 2.2 | 1.2 |     |     |     |     |     |     |     |
|              | 120 | 3.7   | 3.3 | 2.8 | 2.1 | 1.0 |     |     |     |     |     |     |     |     |
|              | 130 | 3.2   | 2.7 | 1.9 | 0.8 |     |     |     |     |     |     |     |     |     |
|              | 140 | 2.6   | 1.8 | 0.5 |     |     |     |     |     |     |     |     |     |     |
| 150          | 1.6 | 0.3   |     |     |     |     |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 160   | 151 | 143 | 134 | 125 | 117 | 108 | 100 | 91  | 82  | 61  | 39  | 17  |

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

# 3-Wire QuickPAK

## 5-3WQP-0.75HP

MonoDrive, 5 gpm - 3/4 hp Pump End, 3/4 hp Motor



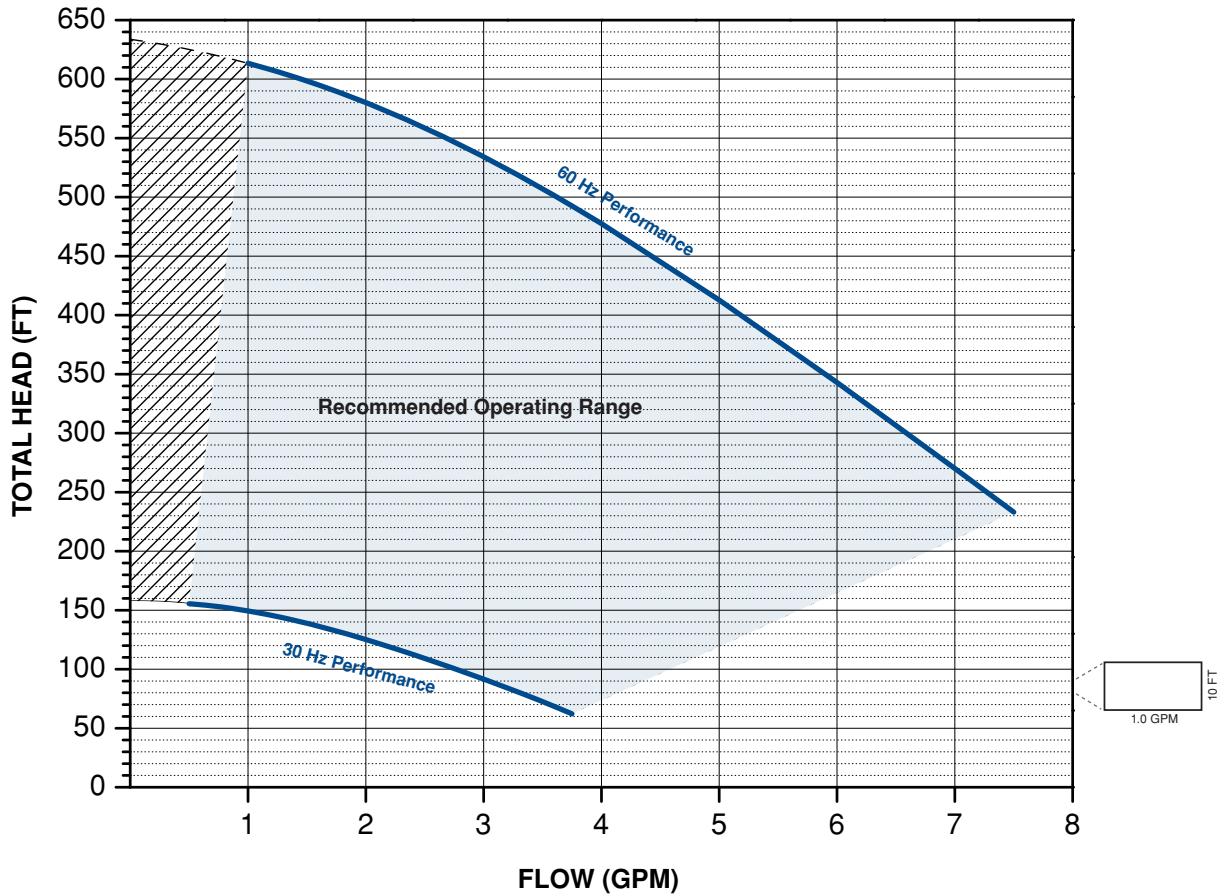
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 |
| 3/4          | 0   |   |     |     |     |     |     |     |     | 7.3 | 6.6 | 5.9 | 5.1 | 4.2 | 3.3 | 2.1 | 0.2 |     |
|              | 10  |   |     |     |     |     |     |     | 7.3 | 7.0 | 6.3 | 5.5 | 4.7 | 3.8 | 2.8 | 1.3 |     |     |
|              | 20  |   |     |     |     |     |     | 7.2 | 6.9 | 6.6 | 5.9 | 5.1 | 4.3 | 3.3 | 2.2 | 0.4 |     |     |
|              | 30  |   |     |     |     |     | 7.5 | 7.2 | 6.9 | 6.6 | 6.3 | 5.6 | 4.7 | 3.8 | 2.8 | 1.5 |     |     |
|              | 40  |   |     |     |     | 7.5 | 7.1 | 6.8 | 6.6 | 6.3 | 6.0 | 5.2 | 4.3 | 3.4 | 2.3 | 0.6 |     |     |
|              | 50  |   |     |     | 7.4 | 7.1 | 6.8 | 6.5 | 6.2 | 5.9 | 5.6 | 4.8 | 3.9 | 2.9 | 1.6 |     |     |     |
|              | 60  |   |     | 7.3 | 7.0 | 6.7 | 6.5 | 6.2 | 5.9 | 5.6 | 5.2 | 4.4 | 3.5 | 2.4 | 0.7 |     |     |     |
|              | 70  |   | 7.3 | 7.0 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.2 | 4.9 | 4.0 | 3.0 | 1.7 |     |     |     |     |
|              | 80  | 7.2   | 6.9 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.1 | 4.8 | 4.5 | 3.6 | 2.5 | 0.9 |     |     |     |     |
|              | 90  | 6.9   | 6.6 | 6.3 | 6.0 | 5.7 | 5.4 | 5.1 | 4.8 | 4.4 | 4.1 | 3.1 | 1.8 |     |     |     |     |     |
|              | 100 | 6.6   | 6.3 | 6.0 | 5.7 | 5.4 | 5.0 | 4.7 | 4.4 | 4.0 | 3.6 | 2.6 | 1.0 |     |     |     |     |     |
|              | 110 | 6.2   | 5.9 | 5.6 | 5.3 | 5.0 | 4.6 | 4.3 | 3.9 | 3.6 | 3.2 | 2.0 |     |     |     |     |     |     |
|              | 120 | 5.9   | 5.6 | 5.3 | 4.9 | 4.6 | 4.2 | 3.9 | 3.5 | 3.1 | 2.7 | 1.2 |     |     |     |     |     |     |
|              | 130 | 5.5   | 5.2 | 4.9 | 4.5 | 4.2 | 3.8 | 3.5 | 3.0 | 2.6 | 2.1 | 0.2 |     |     |     |     |     |     |
|              | 140 | 5.2   | 4.8 | 4.5 | 4.1 | 3.8 | 3.4 | 3.0 | 2.5 | 2.0 | 1.3 |     |     |     |     |     |     |     |
|              | 150 | 4.8   | 4.4 | 4.1 | 3.7 | 3.3 | 2.9 | 2.4 | 1.9 | 1.2 | 0.4 |     |     |     |     |     |     |     |
|              | 160 | 3.5   | 3.1 | 2.7 | 2.2 | 1.6 | 0.8 |     |     |     |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 231   | 222 | 214 | 205 | 196 | 188 | 179 | 170 | 162 | 153 | 132 | 110 | 88  | 67  | 45  | 23  | 2   |

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

# Pump Performance

## 5-3WQP-1.0HP

MonoDrive, 5 gpm - 1.0 hp Pump End, 1.0 hp Motor



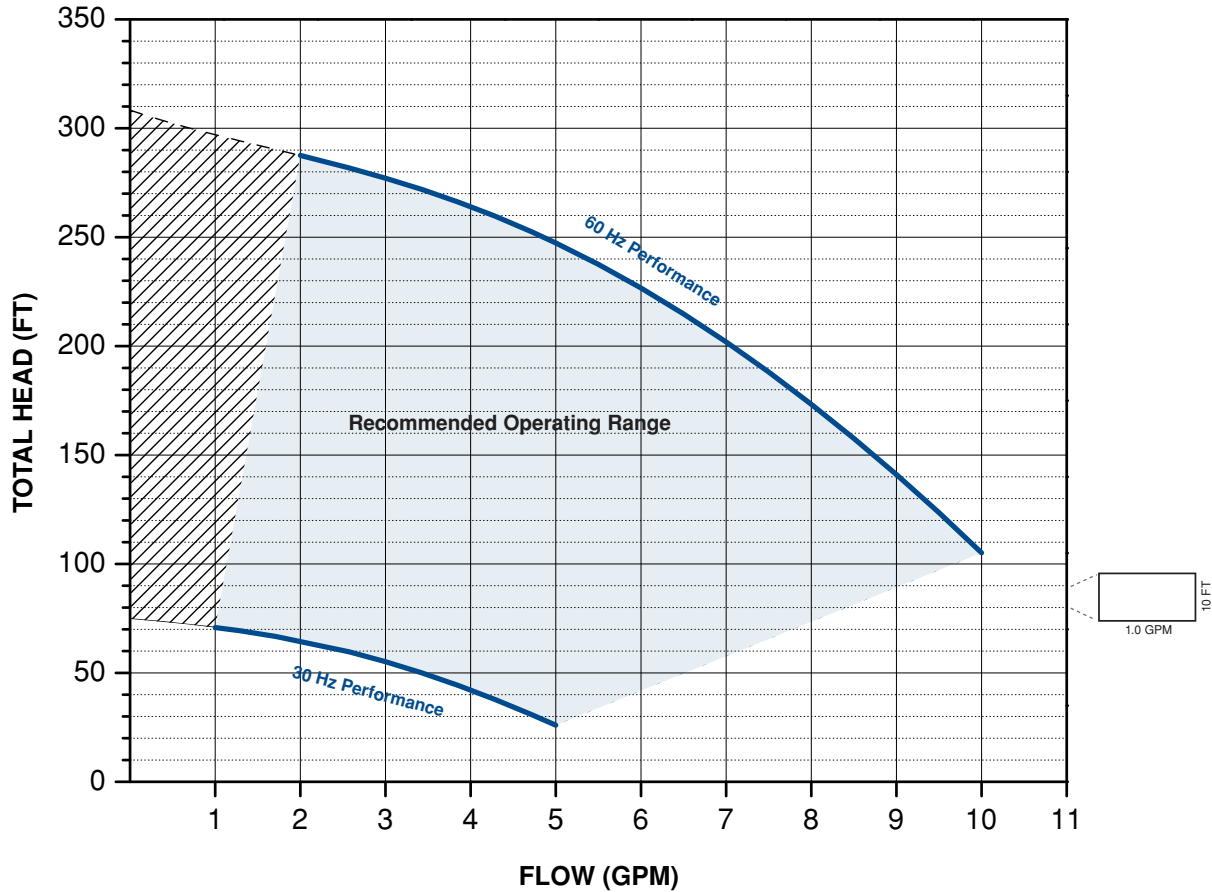
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
| 1            | 0   |   |     |     |     |     |     |     |     |     |     | 7.2 | 6.6 | 5.9 | 5.2 | 4.4 | 3.6 | 2.7 | 1.4 |
|              | 10  |   |     |     |     |     |     |     |     |     |     | 6.9 | 6.3 | 5.6 | 4.8 | 4.0 | 3.2 | 2.2 | 0.6 |
|              | 20  |   |     |     |     |     |     |     |     |     | 7.3 | 6.6 | 6.0 | 5.3 | 4.5 | 3.7 | 2.8 | 1.6 |     |
|              | 30  |   |     |     |     |     |     |     |     | 7.3 | 7.0 | 6.3 | 5.7 | 4.9 | 4.1 | 3.3 | 2.3 | 0.7 |     |
|              | 40  |   |     |     |     |     |     |     | 7.2 | 6.9 | 6.7 | 6.0 | 5.3 | 4.5 | 3.7 | 2.9 | 1.7 |     |     |
|              | 50  |   |     |     |     |     | 7.5 | 7.2 | 6.9 | 6.6 | 6.4 | 5.7 | 5.0 | 4.2 | 3.3 | 2.4 | 0.9 |     |     |
|              | 60  |   |     |     |     | 7.4 | 7.1 | 6.9 | 6.6 | 6.4 | 6.1 | 5.4 | 4.6 | 3.8 | 2.9 | 1.8 |     |     |     |
|              | 70  |   |     |     | 7.4 | 7.1 | 6.8 | 6.6 | 6.3 | 6.1 | 5.8 | 5.0 | 4.2 | 3.4 | 2.5 | 1.0 |     |     |     |
|              | 80  |   |     | 7.3 | 7.0 | 6.8 | 6.5 | 6.3 | 6.0 | 5.7 | 5.4 | 4.7 | 3.9 | 3.0 | 1.9 |     |     |     |     |
|              | 90  |   | 7.3 | 7.0 | 6.7 | 6.5 | 6.2 | 6.0 | 5.7 | 5.4 | 5.1 | 4.3 | 3.5 | 2.5 | 1.2 |     |     |     |     |
|              | 100 | 7.2   | 7.0 | 6.7 | 6.5 | 6.2 | 5.9 | 5.6 | 5.3 | 5.0 | 4.7 | 3.9 | 3.1 | 2.0 | 0.2 |     |     |     |     |
|              | 110 | 6.9   | 6.7 | 6.4 | 6.2 | 5.9 | 5.6 | 5.3 | 5.0 | 4.7 | 4.3 | 3.5 | 2.6 | 1.3 |     |     |     |     |     |
|              | 120 | 6.6   | 6.4 | 6.1 | 5.8 | 5.6 | 5.3 | 4.9 | 4.6 | 4.3 | 4.0 | 3.1 | 2.1 | 0.4 |     |     |     |     |     |
|              | 130 | 6.3   | 6.1 | 5.8 | 5.5 | 5.2 | 4.9 | 4.6 | 4.2 | 3.9 | 3.6 | 2.7 | 1.4 |     |     |     |     |     |     |
|              | 140 | 6.0   | 5.8 | 5.5 | 5.2 | 4.8 | 4.5 | 4.2 | 3.9 | 3.5 | 3.2 | 2.2 | 0.6 |     |     |     |     |     |     |
|              | 150 | 5.7   | 5.4 | 5.1 | 4.8 | 4.5 | 4.1 | 3.8 | 3.5 | 3.2 | 2.8 | 1.6 |     |     |     |     |     |     |     |
|              | 160 | 4.6   | 4.3 | 4.0 | 3.7 | 3.3 | 3.0 | 2.6 | 2.1 | 1.6 | 0.9 |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 266   | 257 | 248 | 240 | 231 | 222 | 214 | 205 | 196 | 188 | 166 | 145 | 123 | 101 | 80  | 58  | 36  | 15  |

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

# 3-Wire *QuickPAK*

## 7-3WQP-0.5HP

MonoDrive, 7 gpm - 1/2 hp Pump End, 1/2 hp Motor



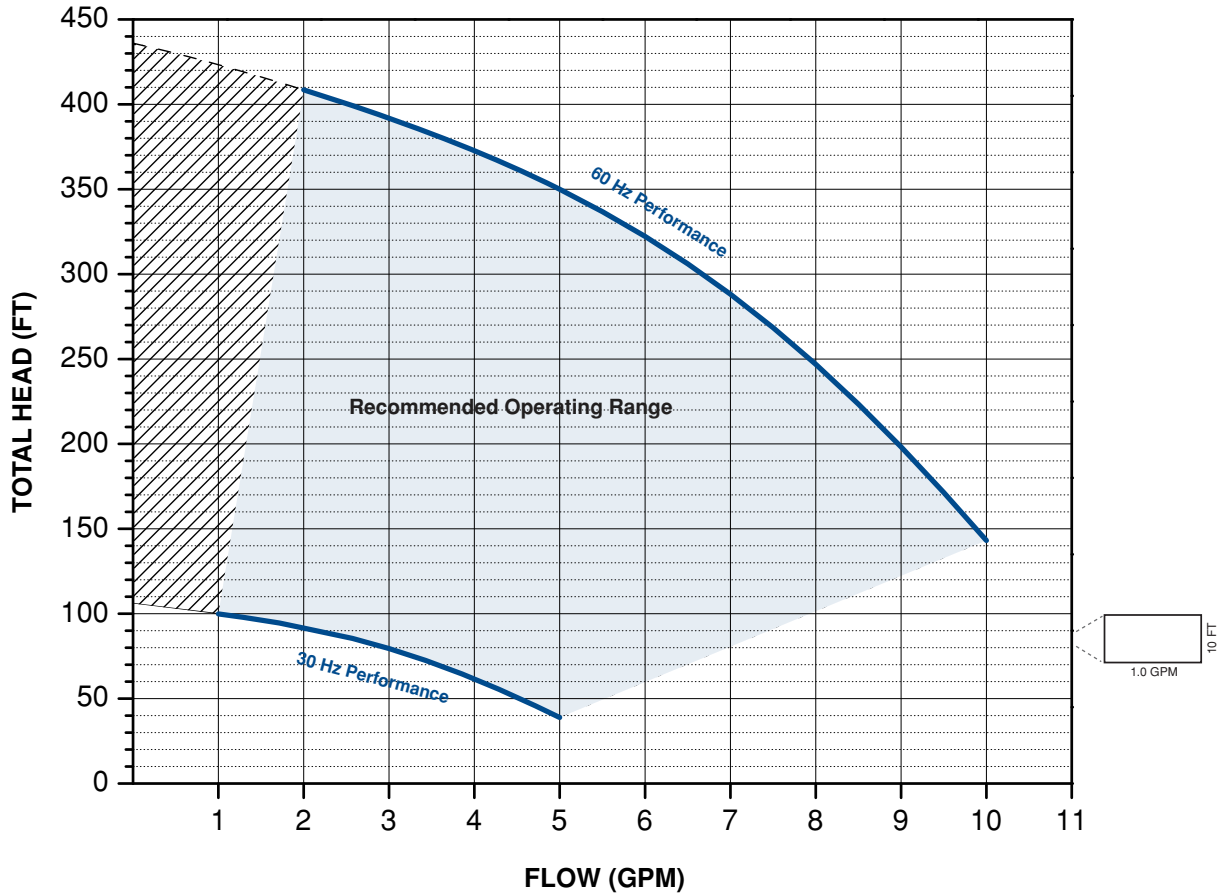
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |      |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40  | 60   | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 250 | 300 |
| 1/2          | 0   |   |     |      |     |     | 9.7 | 9.0 | 8.4 | 7.7 | 7.1 | 4.9 | 0.8 |
|              | 10  |   |     |      |     | 9.6 | 8.9 | 8.3 | 7.6 | 7.0 | 6.2 | 3.3 |     |
|              | 20  |   |     | 10.0 | 9.5 | 8.8 | 8.2 | 7.5 | 6.9 | 6.1 | 5.1 | 1.2 |     |
|              | 30  |   | 9.9 | 9.4  | 8.7 | 8.1 | 7.4 | 6.8 | 5.9 | 4.9 | 3.6 |     |     |
|              | 40  | 9.8   | 9.3 | 8.6  | 8.0 | 7.3 | 6.6 | 5.8 | 4.7 | 3.3 | 1.5 |     |     |
|              | 50  | 9.2   | 8.5 | 7.9  | 7.2 | 6.5 | 5.7 | 4.5 | 3.1 | 1.2 |     |     |     |
|              | 60  | 8.4   | 7.8 | 7.1  | 6.4 | 5.5 | 4.3 | 2.8 | 0.9 |     |     |     |     |
|              | 70  | 7.7   | 7.0 | 6.3  | 5.3 | 4.1 | 2.5 | 0.6 |     |     |     |     |     |
|              | 80  | 6.9   | 6.1 | 5.2  | 3.9 | 2.3 | 0.3 |     |     |     |     |     |     |
|              | 90  | 6.0   | 5.0 | 3.7  | 2.0 |     |     |     |     |     |     |     |     |
|              | 100 | 4.8   | 3.4 | 1.7  |     |     |     |     |     |     |     |     |     |
|              | 110 | 3.2   | 1.4 |      |     |     |     |     |     |     |     |     |     |
| 120          | 1.1 |   |     |      |     |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 125   | 116 | 108  | 99  | 90  | 82  | 73  | 64  | 56  | 47  | 25  | 4   |

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

# Pump Performance

## 7-3WQP-0.75HP

MonoDrive, 7 gpm - 3/4 hp Pump End, 3/4 hp Motor



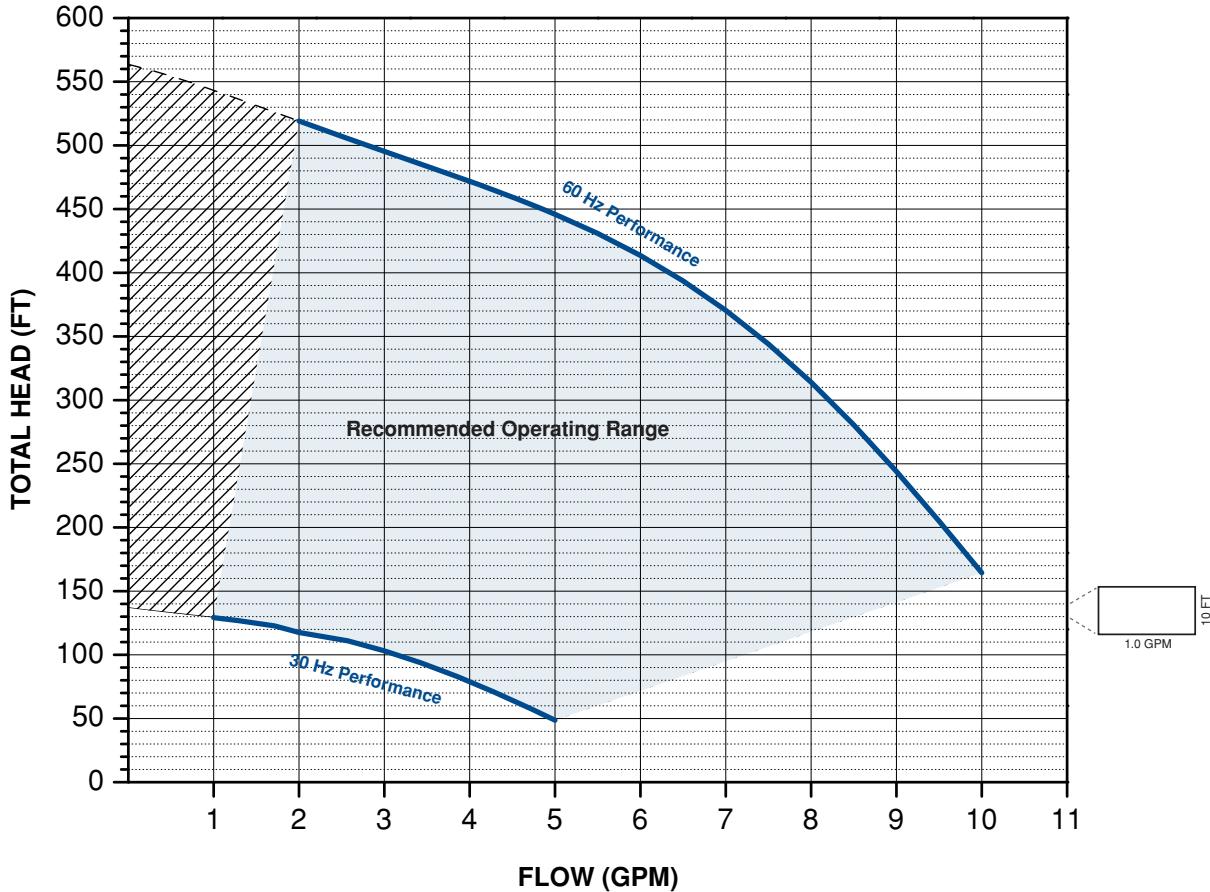
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 250 | 300 | 350 | 400 |
| 3/4          | 0   |   |     |     |     |     |     |     | 9.7 | 9.3 | 9.0 | 7.9 | 6.7 | 5.0 | 2.5 |
|              | 10  |   |     |     |     |     |     | 9.7 | 9.3 | 8.9 | 8.5 | 7.4 | 6.0 | 4.0 | 1.0 |
|              | 20  |   |     |     |     | 9.9 | 9.6 | 9.2 | 8.8 | 8.4 | 8.0 | 6.8 | 5.1 | 2.8 |     |
|              | 30  |   |     |     | 9.9 | 9.5 | 9.2 | 8.8 | 8.4 | 7.9 | 7.5 | 6.1 | 4.2 | 1.3 |     |
|              | 40  |   |     | 9.8 | 9.5 | 9.1 | 8.7 | 8.3 | 7.9 | 7.4 | 6.9 | 5.3 | 3.0 |     |     |
|              | 50  |   | 9.8 | 9.4 | 9.1 | 8.7 | 8.2 | 7.8 | 7.3 | 6.8 | 6.2 | 4.3 | 1.5 |     |     |
|              | 60  | 9.7   | 9.4 | 9.0 | 8.6 | 8.2 | 7.7 | 7.3 | 6.7 | 6.1 | 5.4 | 3.2 |     |     |     |
|              | 70  | 9.3   | 8.9 | 8.5 | 8.1 | 7.7 | 7.2 | 6.6 | 6.0 | 5.3 | 4.5 | 1.8 |     |     |     |
|              | 80  | 8.9   | 8.5 | 8.0 | 7.6 | 7.1 | 6.5 | 5.9 | 5.2 | 4.4 | 3.4 | 0.1 |     |     |     |
|              | 90  | 8.4   | 8.0 | 7.5 | 7.0 | 6.4 | 5.8 | 5.1 | 4.2 | 3.2 | 2.1 |     |     |     |     |
|              | 100 | 7.9   | 7.4 | 6.9 | 6.4 | 5.7 | 5.0 | 4.1 | 3.1 | 1.9 | 0.4 |     |     |     |     |
|              | 110 | 7.4   | 6.8 | 6.3 | 5.6 | 4.8 | 3.9 | 2.9 | 1.6 | 0.2 |     |     |     |     |     |
|              | 120 | 6.8   | 6.2 | 5.5 | 4.7 | 3.8 | 2.7 | 1.4 |     |     |     |     |     |     |     |
|              | 130 | 6.1   | 5.4 | 4.6 | 3.6 | 2.5 | 1.2 |     |     |     |     |     |     |     |     |
|              | 140 | 5.3   | 4.4 | 3.5 | 2.3 | 1.0 |     |     |     |     |     |     |     |     |     |
|              | 150 | 4.3   | 3.3 | 2.1 | 0.8 |     |     |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 180   | 171 | 163 | 154 | 145 | 137 | 128 | 119 | 111 | 102 | 81  | 59  | 37  | 16  |

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

# 3-Wire *QuickPAK*

## 7-3WQP-1.0HP

MonoDrive, 7 gpm - 1.0 hp Pump End, 1.0 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 |
| 1            | 0   |   |     |     |     |     |      |     |     | 9.8 | 9.6 | 8.9 | 8.2 | 7.4 | 6.3 | 4.8 | 2.9 | 0.7 |
|              | 10  |   |     |     |     |     |      |     | 9.8 | 9.5 | 9.3 | 8.6 | 7.9 | 7.0 | 5.7 | 4.0 | 1.9 |     |
|              | 20  |   |     |     |     |     | 10.0 | 9.7 | 9.5 | 9.2 | 9.0 | 8.3 | 7.5 | 6.4 | 5.0 | 3.0 | 0.8 |     |
|              | 30  |   |     |     |     | 9.9 | 9.7  | 9.4 | 9.2 | 8.9 | 8.6 | 7.9 | 7.0 | 5.8 | 4.1 | 2.0 |     |     |
|              | 40  |   |     |     | 9.9 | 9.7 | 9.4  | 9.1 | 8.9 | 8.6 | 8.3 | 7.6 | 6.5 | 5.1 | 3.2 | 1.0 |     |     |
|              | 50  |   |     | 9.9 | 9.6 | 9.4 | 9.1  | 8.8 | 8.6 | 8.3 | 8.0 | 7.1 | 5.9 | 4.3 | 2.2 |     |     |     |
|              | 60  |   | 9.8 | 9.6 | 9.3 | 9.1 | 8.8  | 8.5 | 8.2 | 7.9 | 7.6 | 6.6 | 5.2 | 3.3 | 1.2 |     |     |     |
|              | 70  | 9.8   | 9.5 | 9.3 | 9.0 | 8.7 | 8.5  | 8.2 | 7.9 | 7.6 | 7.2 | 6.0 | 4.4 | 2.4 | 0.2 |     |     |     |
|              | 80  | 9.5   | 9.2 | 9.0 | 8.7 | 8.4 | 8.2  | 7.8 | 7.5 | 7.1 | 6.7 | 5.3 | 3.5 | 1.3 |     |     |     |     |
|              | 90  | 9.2   | 8.9 | 8.7 | 8.4 | 8.1 | 7.8  | 7.5 | 7.1 | 6.6 | 6.1 | 4.5 | 2.5 | 0.3 |     |     |     |     |
|              | 100 | 8.9   | 8.6 | 8.3 | 8.1 | 7.7 | 7.4  | 7.0 | 6.6 | 6.0 | 5.5 | 3.7 | 1.5 |     |     |     |     |     |
|              | 110 | 8.6   | 8.3 | 8.0 | 7.7 | 7.3 | 6.9  | 6.5 | 6.0 | 5.4 | 4.7 | 2.7 | 0.5 |     |     |     |     |     |
|              | 120 | 8.3   | 8.0 | 7.6 | 7.3 | 6.9 | 6.4  | 5.9 | 5.3 | 4.6 | 3.8 | 1.7 |     |     |     |     |     |     |
|              | 130 | 7.9   | 7.6 | 7.2 | 6.8 | 6.3 | 5.8  | 5.2 | 4.5 | 3.7 | 2.9 | 0.7 |     |     |     |     |     |     |
|              | 140 | 7.5   | 7.2 | 6.7 | 6.2 | 5.7 | 5.1  | 4.3 | 3.6 | 2.7 | 1.8 |     |     |     |     |     |     |     |
|              | 150 | 7.1   | 6.7 | 6.2 | 5.6 | 4.9 | 4.2  | 3.4 | 2.6 | 1.7 | 0.8 |     |     |     |     |     |     |     |
|              | 160 | 5.3   | 4.6 | 3.9 | 3.0 | 2.2 | 1.3  | 0.4 |     |     |     |     |     |     |     |     |     |     |
| Shut-off psi |     | 235   | 227 | 218 | 209 | 201 | 192  | 183 | 175 | 166 | 157 | 136 | 114 | 92  | 71  | 49  | 28  | 6   |

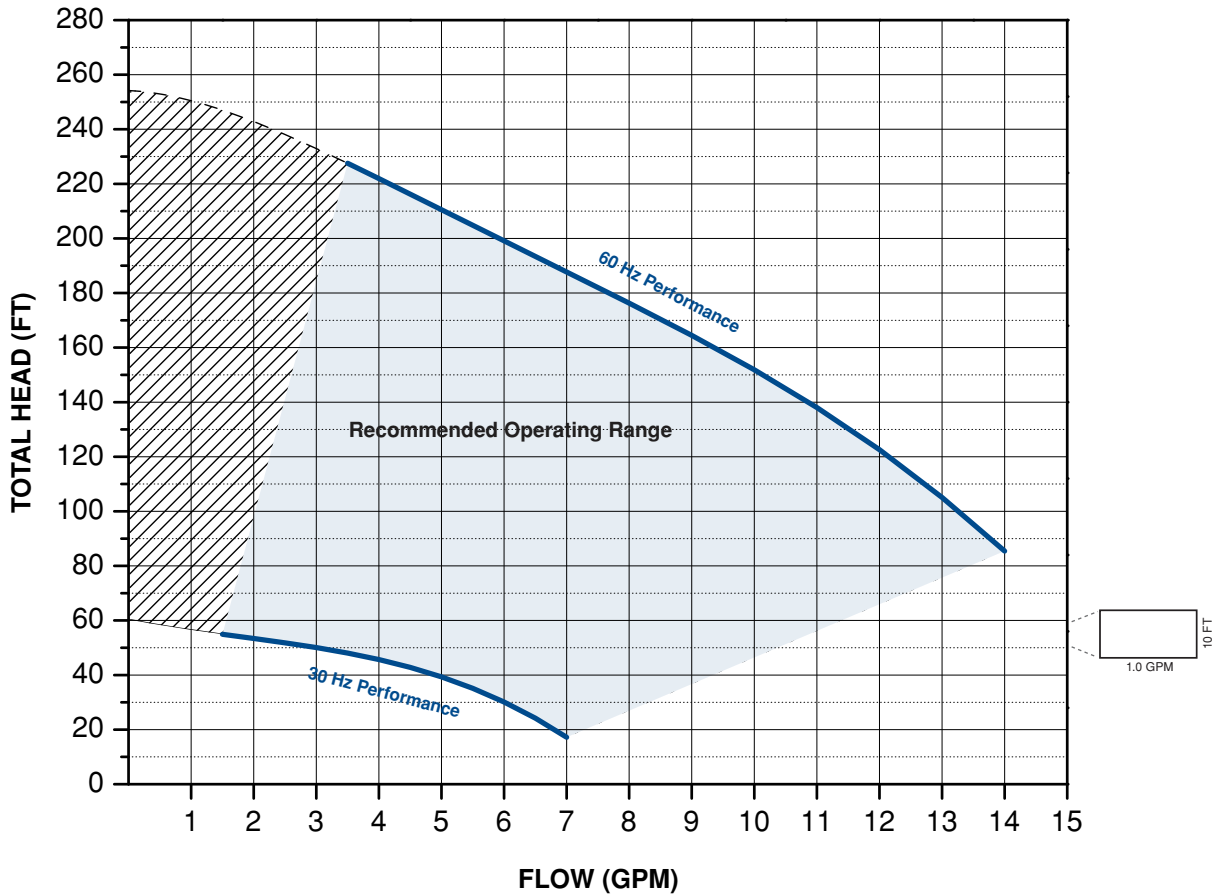
NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.



# Pump Performance

## 10-3WQP-0.5HP

MonoDrive, 10 gpm - 1/2 hp Pump End, 1/2 hp Motor



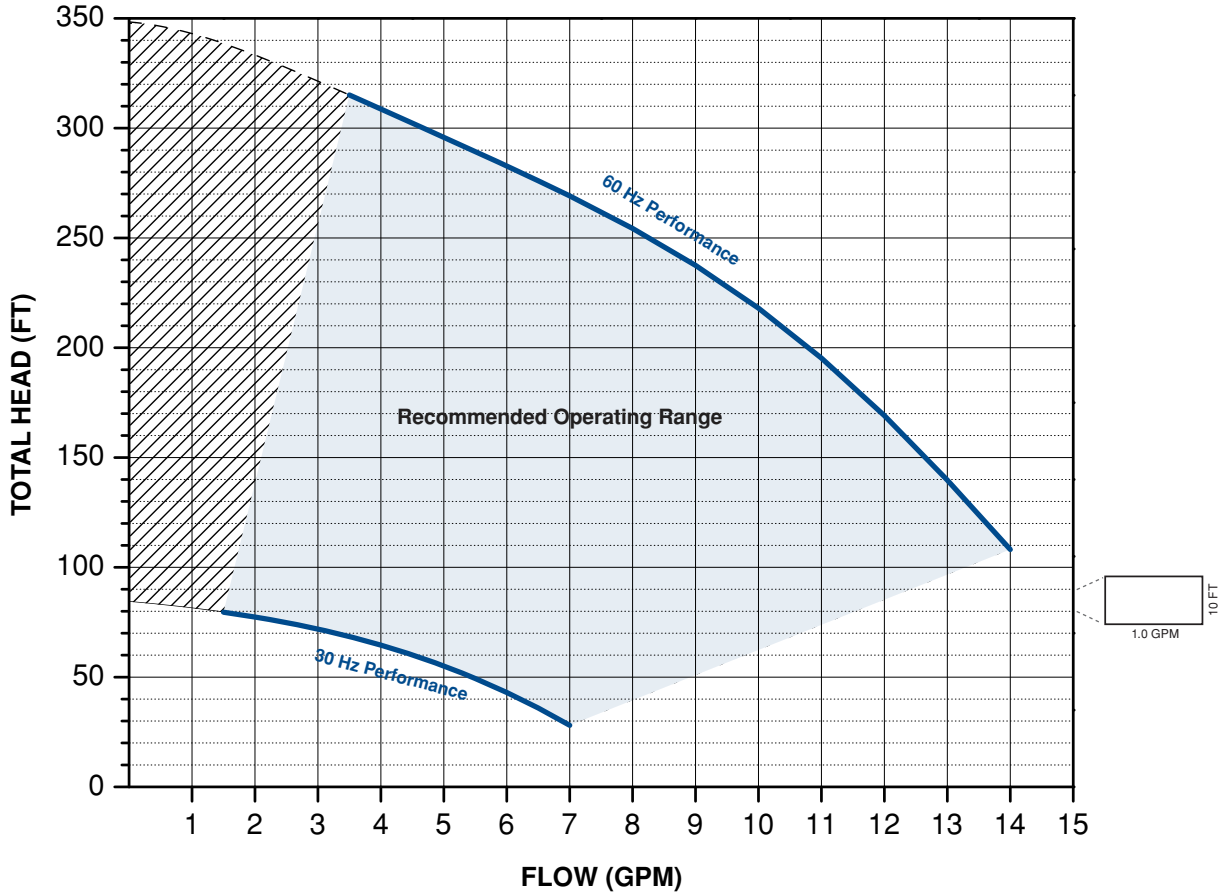
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |     |     |     |     |
|--------------|-----|---|------|------|------|------|------|------|-----|-----|-----|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160 | 180 | 200 | 250 |
| 1/2          | 0   |   |      |      |      | 13.1 | 12.2 | 10.9 | 9.4 | 7.6 | 5.9 | 1.0 |
|              | 10  |   |      |      | 13.0 | 12.0 | 10.7 | 9.1  | 7.3 | 5.6 | 4.0 |     |
|              | 20  |   | 14.0 | 12.8 | 11.8 | 10.5 | 8.8  | 7.1  | 5.4 | 3.7 | 1.5 |     |
|              | 30  | 13.8  | 12.7 | 11.6 | 10.3 | 8.6  | 6.8  | 5.1  | 3.4 | 1.1 |     |     |
|              | 40  | 12.5  | 11.5 | 10.0 | 8.3  | 6.5  | 4.9  | 3.1  | 0.6 |     |     |     |
|              | 50  | 11.3  | 9.8  | 8.0  | 6.3  | 4.6  | 2.8  |      |     |     |     |     |
|              | 60  | 9.5   | 7.7  | 6.0  | 4.4  | 2.5  |      |      |     |     |     |     |
|              | 70  | 7.5   | 5.8  | 4.1  | 2.1  |      |      |      |     |     |     |     |
|              | 80  | 5.5   | 3.8  | 1.7  |      |      |      |      |     |     |     |     |
|              | 90  | 3.6   | 1.3  |      |      |      |      |      |     |     |     |     |
| 100          | 0.8 |   |      |      |      |      |      |      |     |     |     |     |
| Shut-off psi |     | 101   | 93   | 84   | 75   | 67   | 58   | 49   | 41  | 32  | 23  | 2   |

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

# 3-Wire *QuickPAK*

## 10-3WQP-0.75HP

MonoDrive, 10 gpm - 3/4 hp Pump End, 3/4 hp Motor



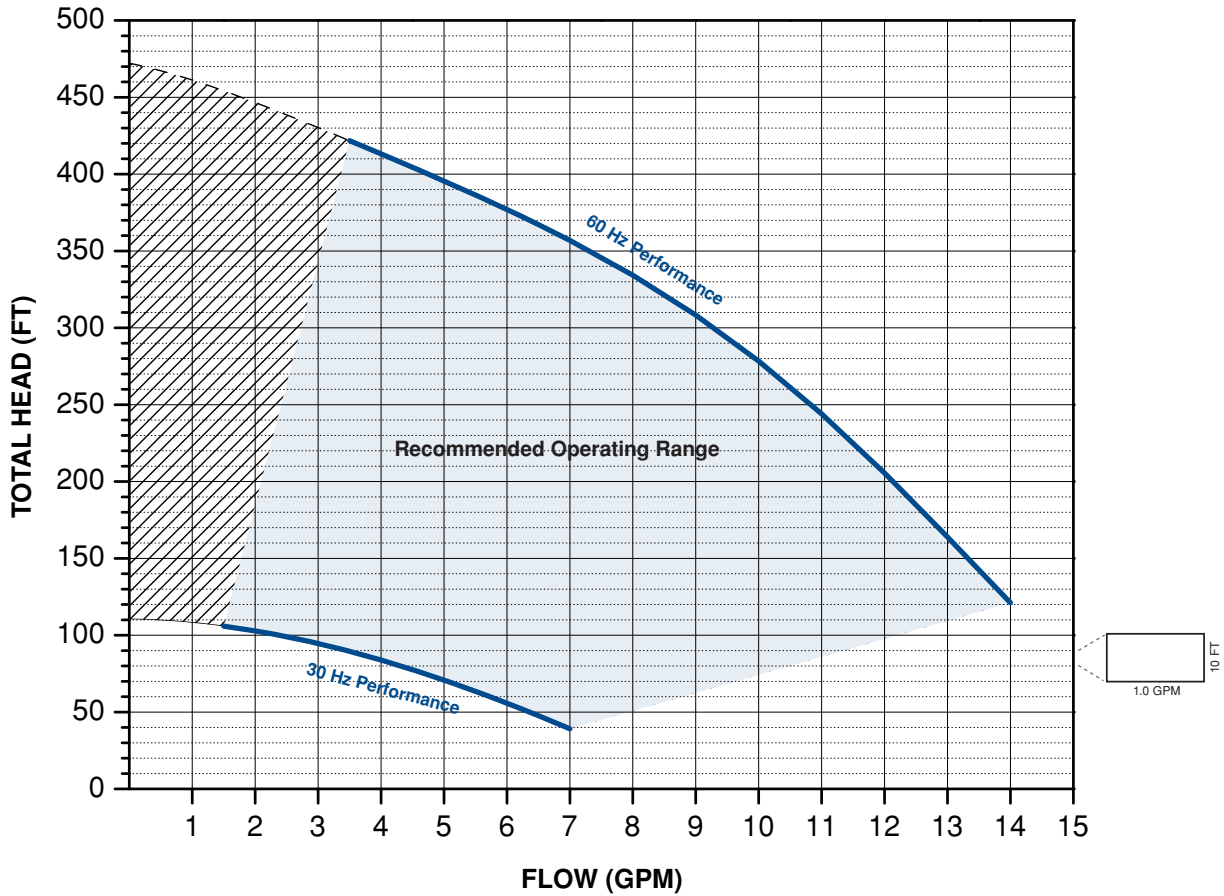
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |     |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|-----|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 250 | 300 |
| 3/4          | 0   |   |      |      |      |      | 13.5 | 12.9 | 12.3 | 11.7 | 10.9 | 8.2 | 4.8 |
|              | 10  |   |      |      |      | 13.4 | 12.8 | 12.2 | 11.6 | 10.8 | 9.7  | 6.7 | 2.9 |
|              | 20  |   |      |      | 13.3 | 12.7 | 12.2 | 11.5 | 10.6 | 9.6  | 8.4  | 5.1 | 0.5 |
|              | 30  |   | 14.0 | 13.2 | 12.6 | 12.1 | 11.4 | 10.5 | 9.4  | 8.2  | 6.9  | 3.2 |     |
|              | 40  | 13.8  | 13.1 | 12.5 | 12.0 | 11.2 | 10.3 | 9.2  | 8.0  | 6.7  | 5.3  | 1.0 |     |
|              | 50  | 13.0  | 12.5 | 11.9 | 11.1 | 10.2 | 9.0  | 7.8  | 6.5  | 5.1  | 3.6  |     |     |
|              | 60  | 12.4  | 11.8 | 11.0 | 10.0 | 8.9  | 7.6  | 6.3  | 4.9  | 3.3  | 1.4  |     |     |
|              | 70  | 11.6  | 10.8 | 9.8  | 8.7  | 7.4  | 6.1  | 4.6  | 3.0  | 1.1  |      |     |     |
|              | 80  | 10.7  | 9.7  | 8.5  | 7.2  | 5.9  | 4.4  | 2.8  | 0.7  |      |      |     |     |
|              | 90  | 9.5   | 8.3  | 7.0  | 5.6  | 4.2  | 2.5  | 0.3  |      |      |      |     |     |
|              | 100 | 8.1   | 6.8  | 5.4  | 3.9  | 2.2  |      |      |      |      |      |     |     |
|              | 110 | 6.6   | 5.2  | 3.7  | 1.9  |      |      |      |      |      |      |     |     |
|              | 120 | 5.0   | 3.4  | 1.6  |      |      |      |      |      |      |      |     |     |
|              | 130 | 3.2   | 1.2  |      |      |      |      |      |      |      |      |     |     |
|              | 140 | 0.9   |      |      |      |      |      |      |      |      |      |     |     |
| Shut-off psi |     | 142   | 133  | 125  | 116  | 108  | 99   | 90   | 82   | 73   | 64   | 43  | 21  |

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

# Pump Performance

## 10-3WQP-1.0HP

MonoDrive, 10 gpm - 1.0 hp Pump End, 1.0 hp Motor



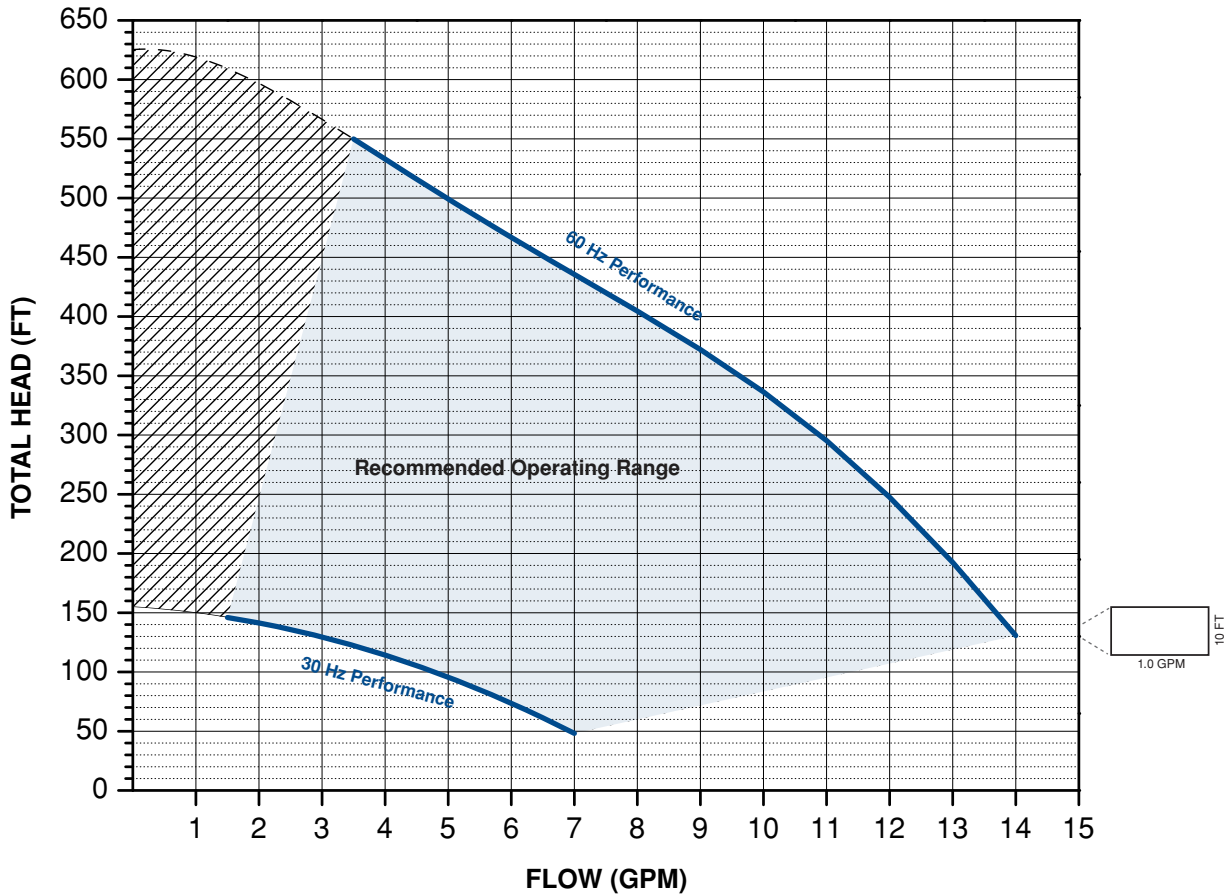
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 250  | 300 | 350 | 400 | 450 |
| 1            | 0   |   |      |      |      |      |      | 13.5 | 13.0 | 12.6 | 12.1 | 10.9 | 9.3 | 7.3 | 4.8 | 1.7 |
|              | 10  |   |      |      |      | 14.0 | 13.4 | 13.0 | 12.5 | 12.1 | 11.6 | 10.2 | 8.4 | 6.2 | 3.5 |     |
|              | 20  |   |      |      | 13.9 | 13.4 | 12.9 | 12.5 | 12.0 | 11.5 | 11.0 | 9.4  | 7.4 | 5.0 | 2.0 |     |
|              | 30  |   |      | 13.8 | 13.3 | 12.8 | 12.4 | 11.9 | 11.4 | 10.9 | 10.3 | 8.5  | 6.4 | 3.7 | 0.3 |     |
|              | 40  |   | 13.7 | 13.2 | 12.8 | 12.3 | 11.9 | 11.4 | 10.8 | 10.2 | 9.5  | 7.6  | 5.2 | 2.3 |     |     |
|              | 50  | 13.6  | 13.1 | 12.7 | 12.3 | 11.8 | 11.3 | 10.7 | 10.1 | 9.4  | 8.7  | 6.6  | 3.9 | 0.6 |     |     |
|              | 60  | 13.1  | 12.6 | 12.2 | 11.7 | 11.2 | 10.6 | 10.0 | 9.3  | 8.6  | 7.8  | 5.4  | 2.5 |     |     |     |
|              | 70  | 12.6  | 12.1 | 11.6 | 11.1 | 10.5 | 9.9  | 9.2  | 8.5  | 7.6  | 6.7  | 4.2  | 0.9 |     |     |     |
|              | 80  | 12.0  | 11.6 | 11.0 | 10.5 | 9.8  | 9.1  | 8.3  | 7.5  | 6.6  | 5.6  | 2.8  |     |     |     |     |
|              | 90  | 11.5  | 10.9 | 10.4 | 9.7  | 9.0  | 8.2  | 7.4  | 6.4  | 5.4  | 4.4  | 1.2  |     |     |     |     |
|              | 100 | 10.9  | 10.3 | 9.6  | 8.9  | 8.1  | 7.2  | 6.3  | 5.3  | 4.2  | 3.0  |      |     |     |     |     |
|              | 110 | 10.2  | 9.5  | 8.8  | 7.9  | 7.1  | 6.1  | 5.1  | 4.0  | 2.8  | 1.5  |      |     |     |     |     |
|              | 120 | 9.4   | 8.6  | 7.8  | 6.9  | 6.0  | 5.0  | 3.8  | 2.6  | 1.2  |      |      |     |     |     |     |
|              | 130 | 8.5   | 7.7  | 6.8  | 5.8  | 4.8  | 3.7  | 2.4  | 1.0  |      |      |      |     |     |     |     |
|              | 140 | 7.6   | 6.7  | 5.7  | 4.6  | 3.5  | 2.2  | 0.8  |      |      |      |      |     |     |     |     |
|              | 150 | 6.5   | 5.5  | 4.4  | 3.3  | 2.0  | 0.6  |      |      |      |      |      |     |     |     |     |
|              | 160 | 2.7   | 1.3  |      |      |      |      |      |      |      |      |      |     |     |     |     |
| Shut-off psi |     | 196   | 187  | 178  | 170  | 161  | 152  | 144  | 135  | 127  | 118  | 96   | 75  | 53  | 31  | 10  |

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

# 3-Wire QuickPAK

## 10-3WQP-1.5HP

MonoDrive, 10 gpm - 1.5 hp Pump End, 1.5 hp Motor



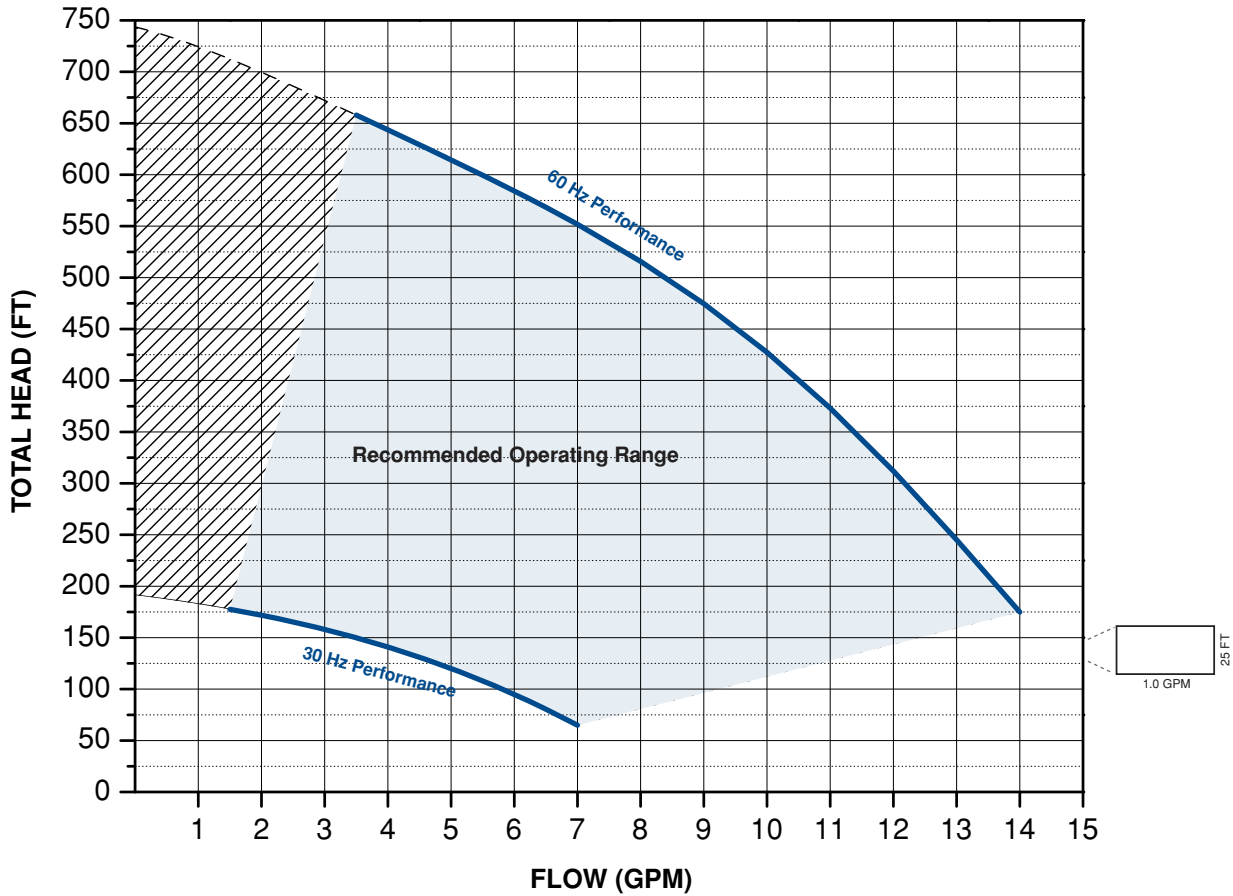
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 250  | 300  | 350 | 400 | 450 | 500 | 550 | 600 |
| 1.5          | 0   |   |      |      |      |      |      | 13.8 | 13.3 | 13.0 | 12.7 | 12.0 | 11.0 | 9.6 | 8.1 | 6.5 | 5.0 | 3.6 | 1.8 |
|              | 10  |   |      |      |      |      | 13.7 | 13.3 | 13.0 | 12.7 | 12.4 | 11.6 | 10.4 | 8.9 | 7.3 | 5.8 | 4.4 | 2.9 | 0.6 |
|              | 20  |   |      |      |      | 13.6 | 13.2 | 12.9 | 12.7 | 12.4 | 12.1 | 11.1 | 9.8  | 8.2 | 6.6 | 5.1 | 3.7 | 2.0 |     |
|              | 30  |   |      |      | 13.6 | 13.2 | 12.9 | 12.6 | 12.4 | 12.0 | 11.7 | 10.5 | 9.0  | 7.4 | 5.9 | 4.5 | 3.0 | 0.8 |     |
|              | 40  |   | 14.0 | 13.5 | 13.1 | 12.8 | 12.6 | 12.3 | 12.0 | 11.6 | 11.2 | 9.9  | 8.3  | 6.7 | 5.2 | 3.8 | 2.1 |     |     |
|              | 50  | 13.9  | 13.4 | 13.1 | 12.8 | 12.5 | 12.3 | 11.9 | 11.6 | 11.1 | 10.6 | 9.2  | 7.6  | 6.0 | 4.6 | 3.1 | 1.0 |     |     |
|              | 60  | 13.4  | 13.0 | 12.8 | 12.5 | 12.2 | 11.9 | 11.5 | 11.1 | 10.5 | 10.0 | 8.4  | 6.8  | 5.3 | 4.0 | 2.3 |     |     |     |
|              | 70  | 13.0  | 12.7 | 12.5 | 12.2 | 11.8 | 11.4 | 11.0 | 10.5 | 9.9  | 9.3  | 7.7  | 6.1  | 4.7 | 3.3 | 1.2 |     |     |     |
|              | 80  | 12.7  | 12.4 | 12.1 | 11.8 | 11.4 | 10.9 | 10.4 | 9.8  | 9.2  | 8.5  | 6.9  | 5.4  | 4.1 | 2.5 |     |     |     |     |
|              | 90  | 12.4  | 12.1 | 11.7 | 11.3 | 10.8 | 10.3 | 9.7  | 9.1  | 8.4  | 7.8  | 6.2  | 4.8  | 3.4 | 1.4 |     |     |     |     |
|              | 100 | 12.0  | 11.7 | 11.2 | 10.7 | 10.2 | 9.6  | 9.0  | 8.3  | 7.7  | 7.1  | 5.6  | 4.2  | 2.6 |     |     |     |     |     |
|              | 110 | 11.6  | 11.2 | 10.7 | 10.1 | 9.5  | 8.9  | 8.2  | 7.6  | 7.0  | 6.3  | 4.9  | 3.5  | 1.6 |     |     |     |     |     |
|              | 120 | 11.1  | 10.6 | 10.0 | 9.4  | 8.8  | 8.1  | 7.5  | 6.9  | 6.3  | 5.7  | 4.3  | 2.7  |     |     |     |     |     |     |
|              | 130 | 10.5  | 9.9  | 9.3  | 8.7  | 8.0  | 7.4  | 6.8  | 6.2  | 5.6  | 5.0  | 3.6  | 1.8  |     |     |     |     |     |     |
|              | 140 | 9.8   | 9.2  | 8.6  | 7.9  | 7.3  | 6.7  | 6.1  | 5.5  | 4.9  | 4.4  | 2.9  | 0.6  |     |     |     |     |     |     |
|              | 150 | 9.1   | 8.5  | 7.8  | 7.2  | 6.6  | 6.0  | 5.4  | 4.8  | 4.3  | 3.7  | 2.0  |      |     |     |     |     |     |     |
|              | 160 | 6.9   | 6.3  | 5.7  | 5.1  | 4.6  | 4.0  | 3.4  | 2.8  | 2.0  | 1.0  |      |      |     |     |     |     |     |     |
| Shut-off psi |     | 262   | 254  | 245  | 236  | 228  | 219  | 210  | 202  | 193  | 184  | 163  | 141  | 119 | 98  | 76  | 54  | 33  | 11  |

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

# Pump Performance

## 10-3WQP-2.0HP

MonoDrive, 10 gpm - 2.0 hp Pump End, 2.0 hp Motor



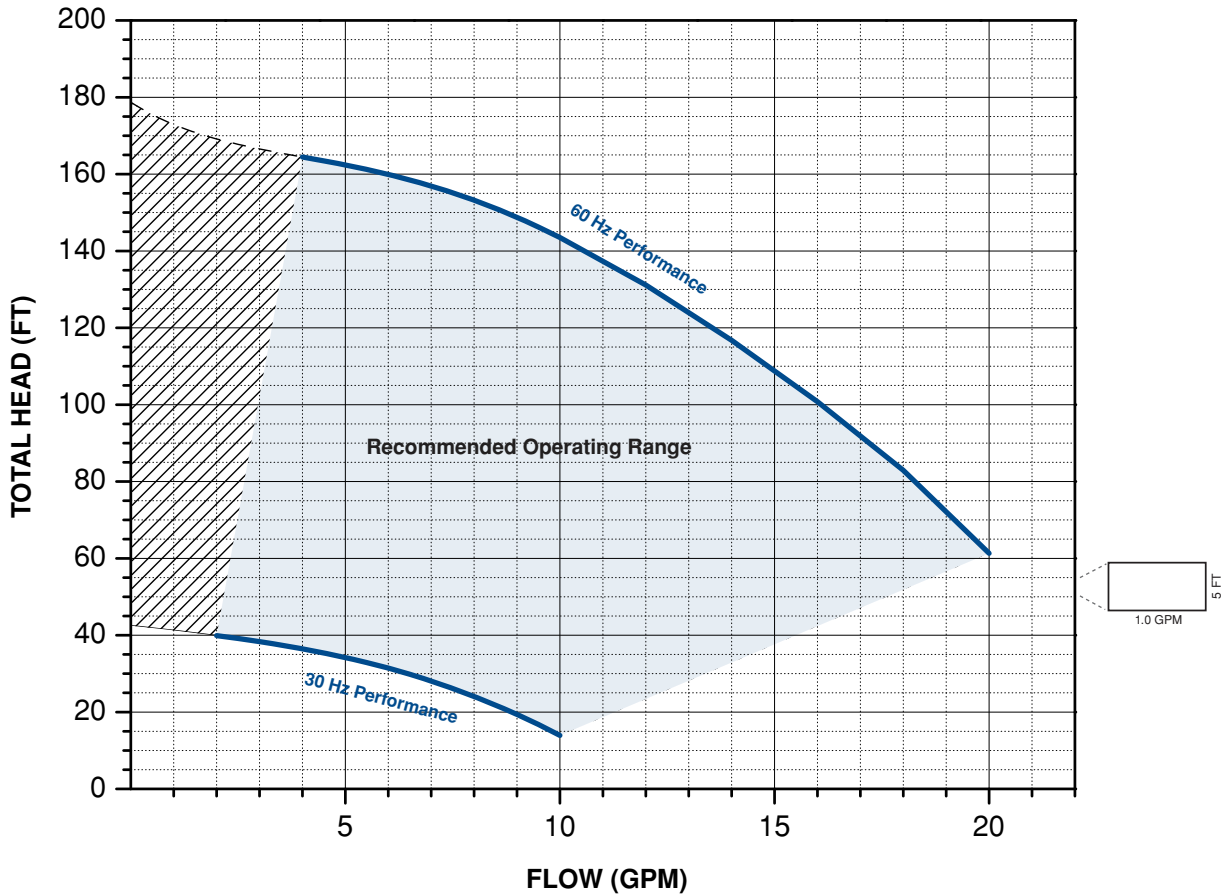
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|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

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

# 3-Wire *QuickPAK*

## 15-3WQP-0.5HP

MonoDrive, 15 gpm - 1/2 hp Pump End, 1/2 hp Motor



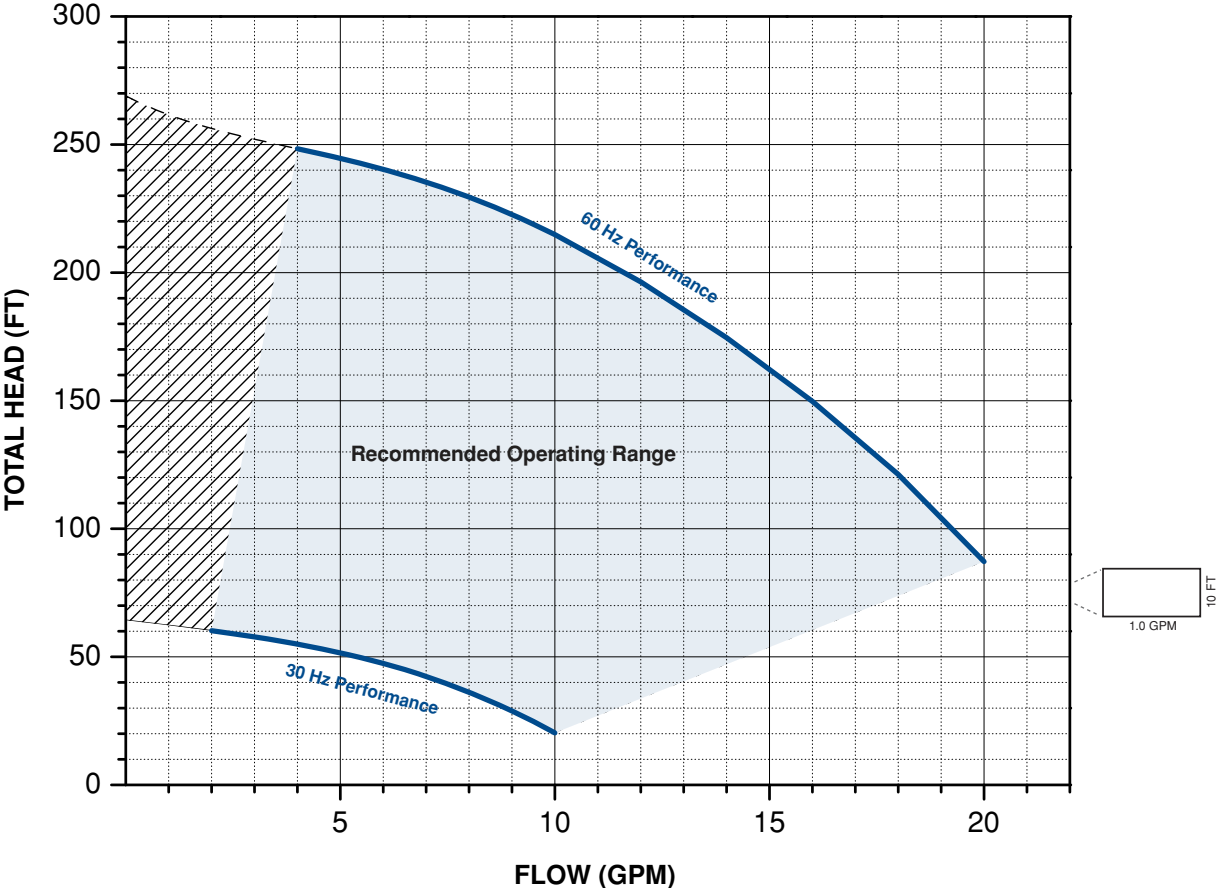
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |     |     |
|--------------|-----|---|------|------|------|------|------|------|-----|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160 | 180 |
| 1/2          | 0   |   |      |      | 18.8 | 15.6 | 13.7 | 11.1 | 5.5 |     |
|              | 10  |   | 20.2 | 18.3 | 15.2 | 13.4 | 10.5 | 4.4  |     |     |
|              | 20  | 20.3  | 17.7 | 14.9 | 13.1 | 9.8  | 3.4  |      |     |     |
|              | 30  | 17.2  | 14.6 | 12.8 | 9.0  | 2.3  |      |      |     |     |
|              | 40  | 14.3  | 12.4 | 8.0  | 1.3  |      |      |      |     |     |
|              | 50  | 11.9  | 7.1  | 0.4  |      |      |      |      |     |     |
|              | 60  | 6.0   |      |      |      |      |      |      |     |     |
| Shut-off psi |     | 69  | 60   | 51   | 43   | 34   | 25   | 17   | 8   |     |

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

# Pump Performance

## 15-3WQP-0.75HP

MonoDrive, 15 gpm - 3/4 hp Pump End, 3/4 hp Motor



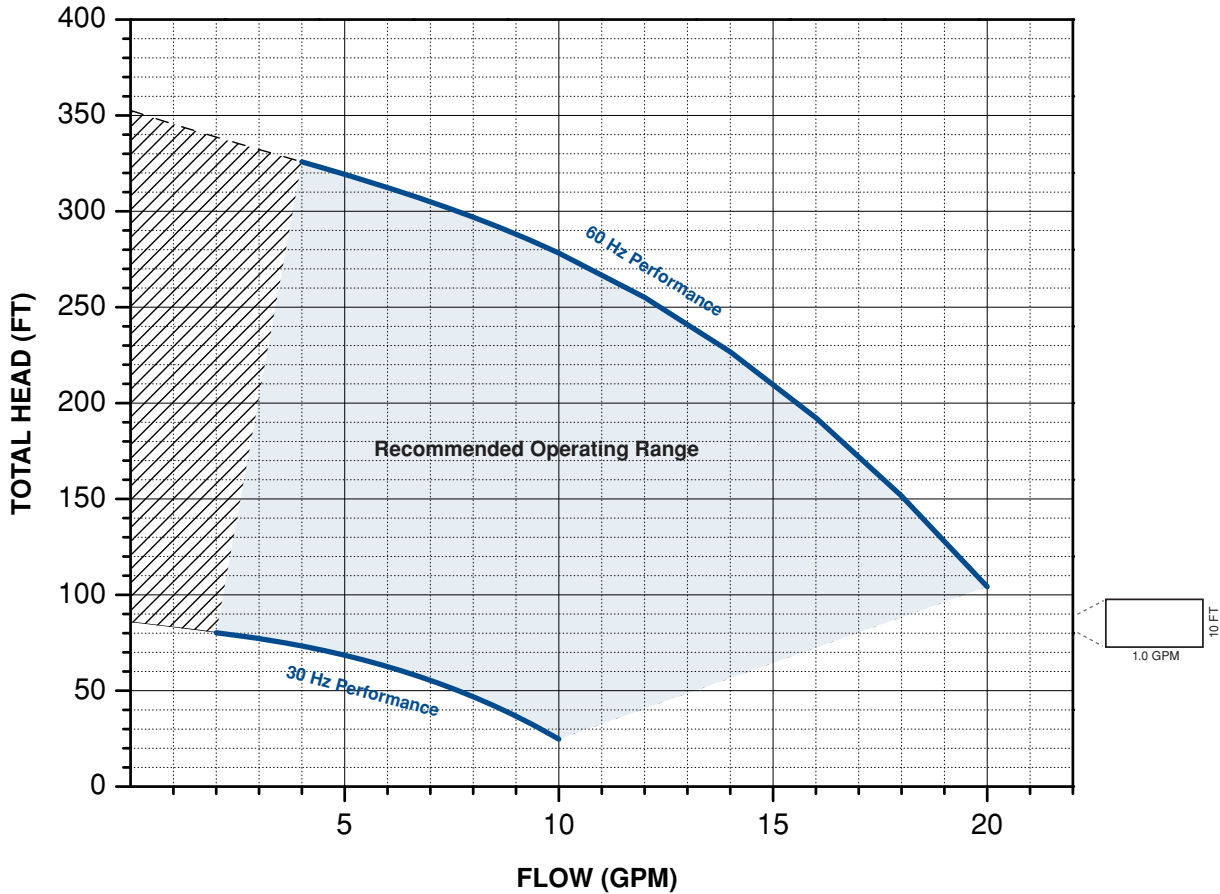
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 250 |
| 3/4          | 0   |   |      |      |      | 20.0 | 18.3 | 16.4 | 14.9 | 13.6 | 12.0 | 3.6 |
|              | 10  |   |      |      | 19.8 | 18.0 | 16.1 | 14.7 | 13.4 | 11.7 | 9.0  |     |
|              | 20  |   |      | 19.6 | 17.7 | 15.9 | 14.5 | 13.2 | 11.4 | 8.5  | 4.4  |     |
|              | 30  | 20.1  | 19.3 | 17.4 | 15.7 | 14.3 | 13.0 | 11.0 | 7.9  | 3.8  |      |     |
|              | 40  | 19.1  | 17.1 | 15.4 | 14.1 | 12.7 | 10.6 | 7.3  | 3.1  |      |      |     |
|              | 50  | 16.8  | 15.2 | 13.9 | 12.5 | 10.2 | 6.7  | 2.4  |      |      |      |     |
|              | 60  | 15.0  | 13.7 | 12.2 | 9.7  | 6.1  | 1.7  |      |      |      |      |     |
|              | 70  | 13.5  | 11.9 | 9.2  | 5.4  | 1.1  |      |      |      |      |      |     |
|              | 80  | 11.5  | 8.7  | 4.8  | 0.5  |      |      |      |      |      |      |     |
|              | 90  | 8.2   | 4.1  |      |      |      |      |      |      |      |      |     |
| 100          | 3.4 |   |      |      |      |      |      |      |      |      |      |     |
| Shut-off psi |     | 108   | 99   | 90   | 82   | 73   | 65   | 56   | 47   | 39   | 30   | 8   |

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

# 3-Wire *QuickPAK*

## 15-3WQP-1.0HP

MonoDrive, 15 gpm - 1.0 hp Pump End, 1.0 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 |
| 1            | 0   |   |      |      |      |      | 19.6 | 18.7 | 17.6 | 16.5 | 15.5 | 12.5 | 7.6 |
|              | 10  |   |      |      |      | 19.5 | 18.5 | 17.4 | 16.4 | 15.3 | 14.2 | 10.6 | 4.4 |
|              | 20  |   |      | 20.0 | 19.3 | 18.4 | 17.3 | 16.2 | 15.2 | 14.1 | 12.8 | 8.1  | 0.9 |
|              | 30  |   | 19.9 | 19.2 | 18.2 | 17.1 | 16.0 | 15.0 | 13.9 | 12.6 | 10.9 | 5.0  |     |
|              | 40  | 19.8  | 19.1 | 18.0 | 16.9 | 15.9 | 14.8 | 13.7 | 12.3 | 10.6 | 8.5  | 1.5  |     |
|              | 50  | 18.9  | 17.8 | 16.8 | 15.7 | 14.7 | 13.5 | 12.1 | 10.3 | 8.1  | 5.5  |      |     |
|              | 60  | 17.7  | 16.6 | 15.6 | 14.5 | 13.3 | 11.8 | 10.0 | 7.8  | 5.1  | 2.1  |      |     |
|              | 70  | 16.4  | 15.4 | 14.3 | 13.1 | 11.6 | 9.7  | 7.4  | 4.6  | 1.6  |      |      |     |
|              | 80  | 15.2  | 14.1 | 12.9 | 11.3 | 9.4  | 7.0  | 4.2  | 1.1  |      |      |      |     |
|              | 90  | 14.0  | 12.7 | 11.0 | 9.0  | 6.6  | 3.7  | 0.7  |      |      |      |      |     |
|              | 100 | 12.4  | 10.8 | 8.7  | 6.1  | 3.2  | 0.2  |      |      |      |      |      |     |
|              | 110 | 10.5  | 8.3  | 5.7  | 2.8  |      |      |      |      |      |      |      |     |
|              | 120 | 7.9   | 5.3  | 2.3  |      |      |      |      |      |      |      |      |     |
|              | 130 | 4.8   | 1.8  |      |      |      |      |      |      |      |      |      |     |
|              | 140 | 1.3   |      |      |      |      |      |      |      |      |      |      |     |
| Shut-off psi |     | 144   | 135  | 127  | 118  | 109  | 101  | 92   | 83   | 75   | 66   | 44   | 23  |

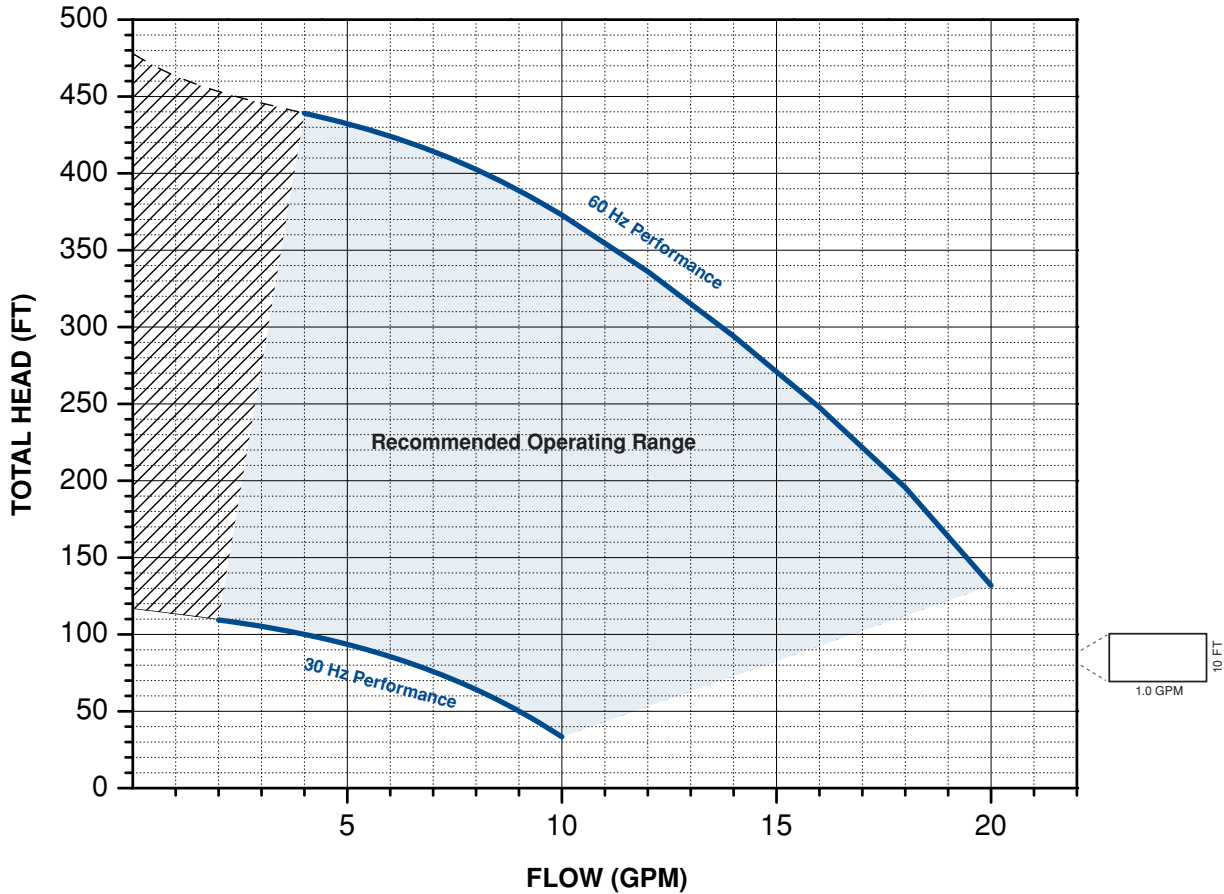
NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.



# Pump Performance

## 15-3WQP-1.5HP

MonoDrive, 15 gpm - 1.5 hp Pump End, 1.5 hp Motor



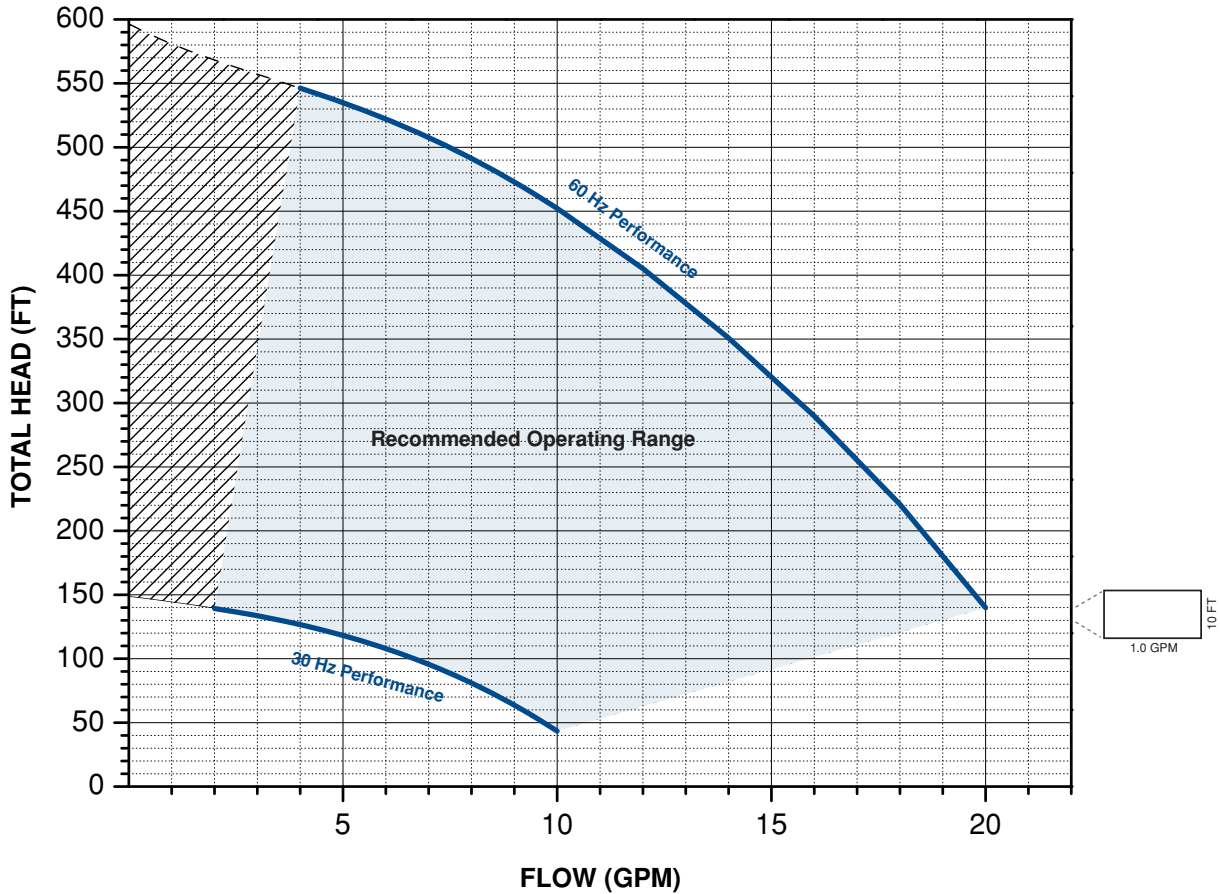
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |      |      |     |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
|       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

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

# 3-Wire *QuickPAK*

## 15-3WQP-2.0HP

MonoDrive, 15 gpm - 2.0 hp Pump End, 2.0 hp Motor

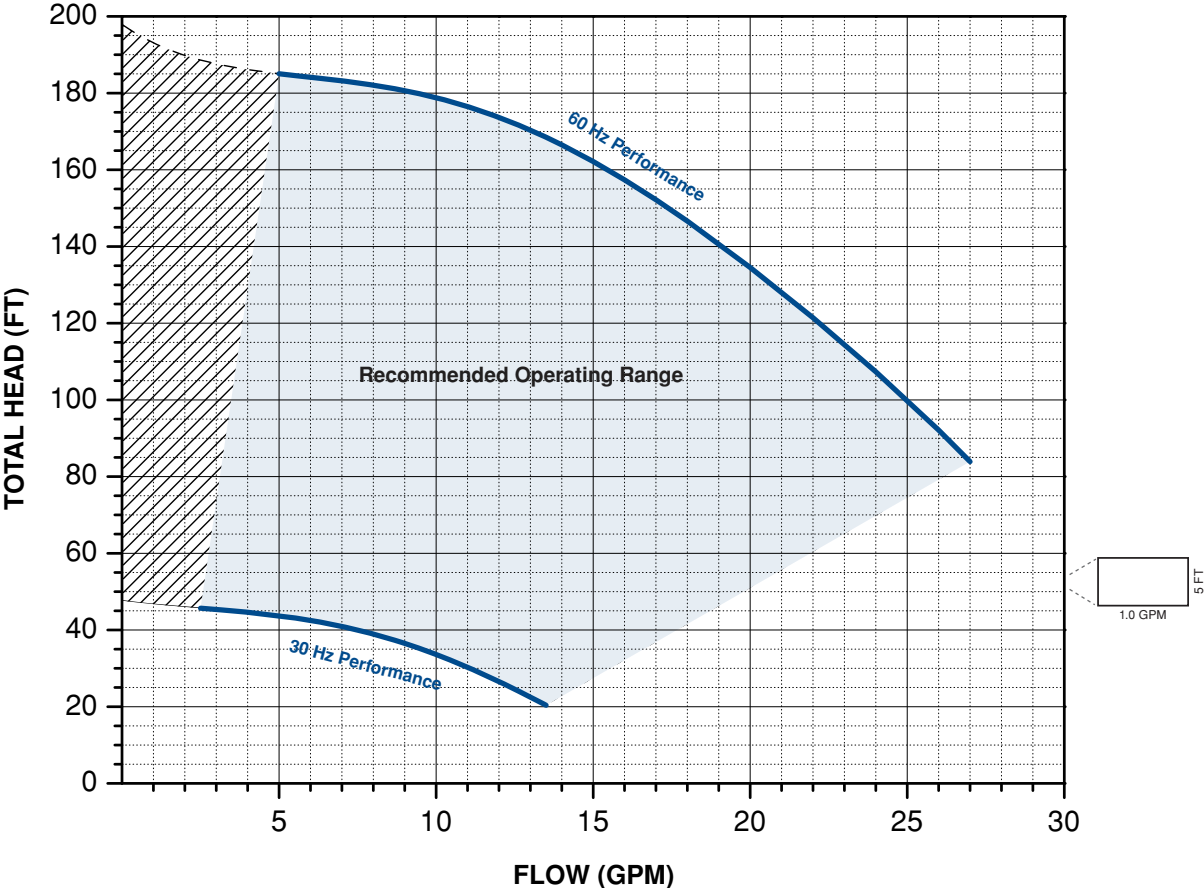


| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|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

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

# Pump Performance

## 20-3WQP-0.75HP MonoDrive, 20 gpm - 3/4 hp Pump End, 3/4 hp Motor



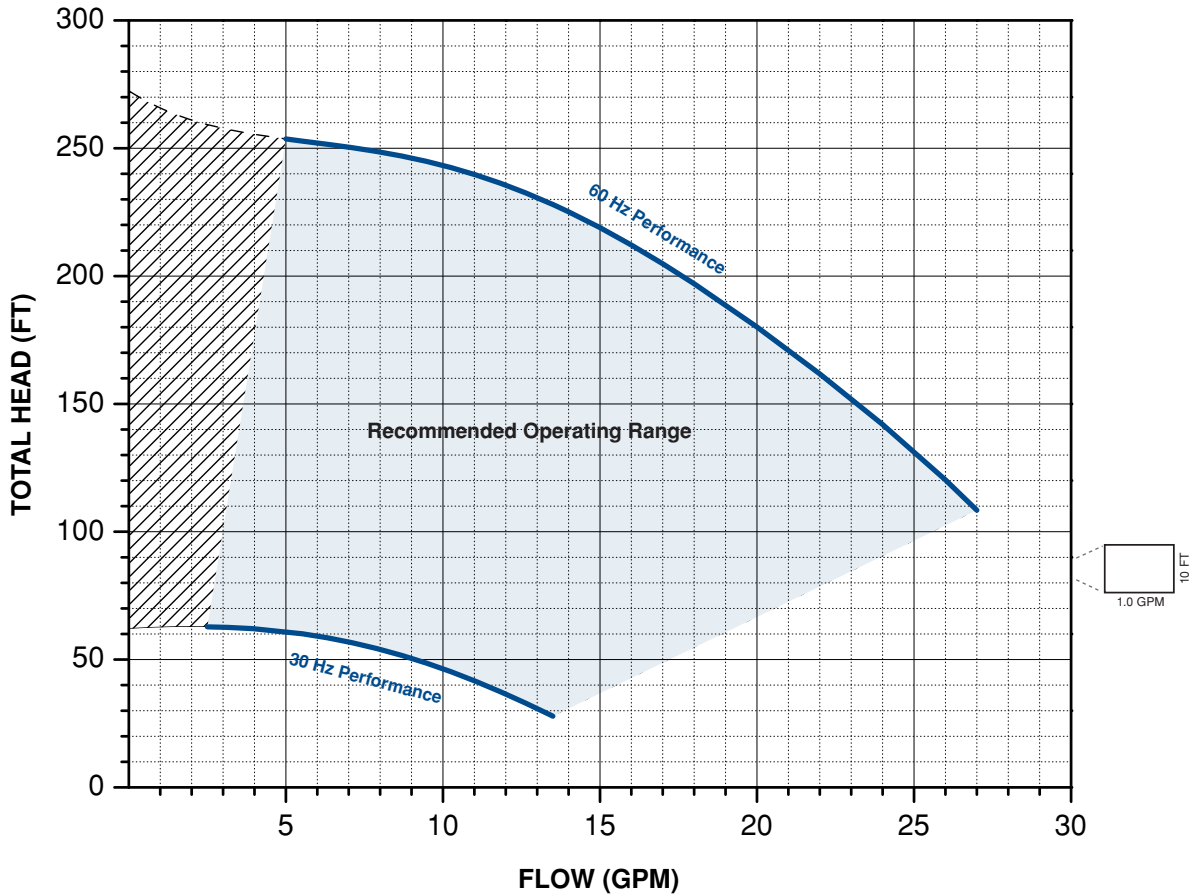
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |     |
|--------------|-----|---|------|------|------|------|------|------|------|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180 |
| 3/4          | 0   |   |      |      |      | 25.1 | 22.3 | 18.4 | 14.0 | 8.3 |
|              | 10  |   |      |      | 24.7 | 21.7 | 17.8 | 13.3 | 7.1  |     |
|              | 20  |   | 26.7 | 24.3 | 21.2 | 17.1 | 12.5 | 5.8  |      |     |
|              | 30  | 26.3  | 23.9 | 20.6 | 16.4 | 11.7 | 4.3  |      |      |     |
|              | 40  | 23.5  | 20.0 | 15.8 | 10.8 | 2.6  |      |      |      |     |
|              | 50  | 19.4  | 15.1 | 9.8  | 0.7  |      |      |      |      |     |
|              | 60  | 14.3  | 8.8  |      |      |      |      |      |      |     |
|              | 70  | 7.7   |      |      |      |      |      |      |      |     |
| Shut-off psi |     | 77  | 68   | 60   | 51   | 42   | 34   | 25   | 16   | 8   |

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

# 3-Wire *QuickPAK*

## 20-3WQP-1.0HP

MonoDrive, 20 gpm - 1.0 hp Pump End, 1.0 hp Motor



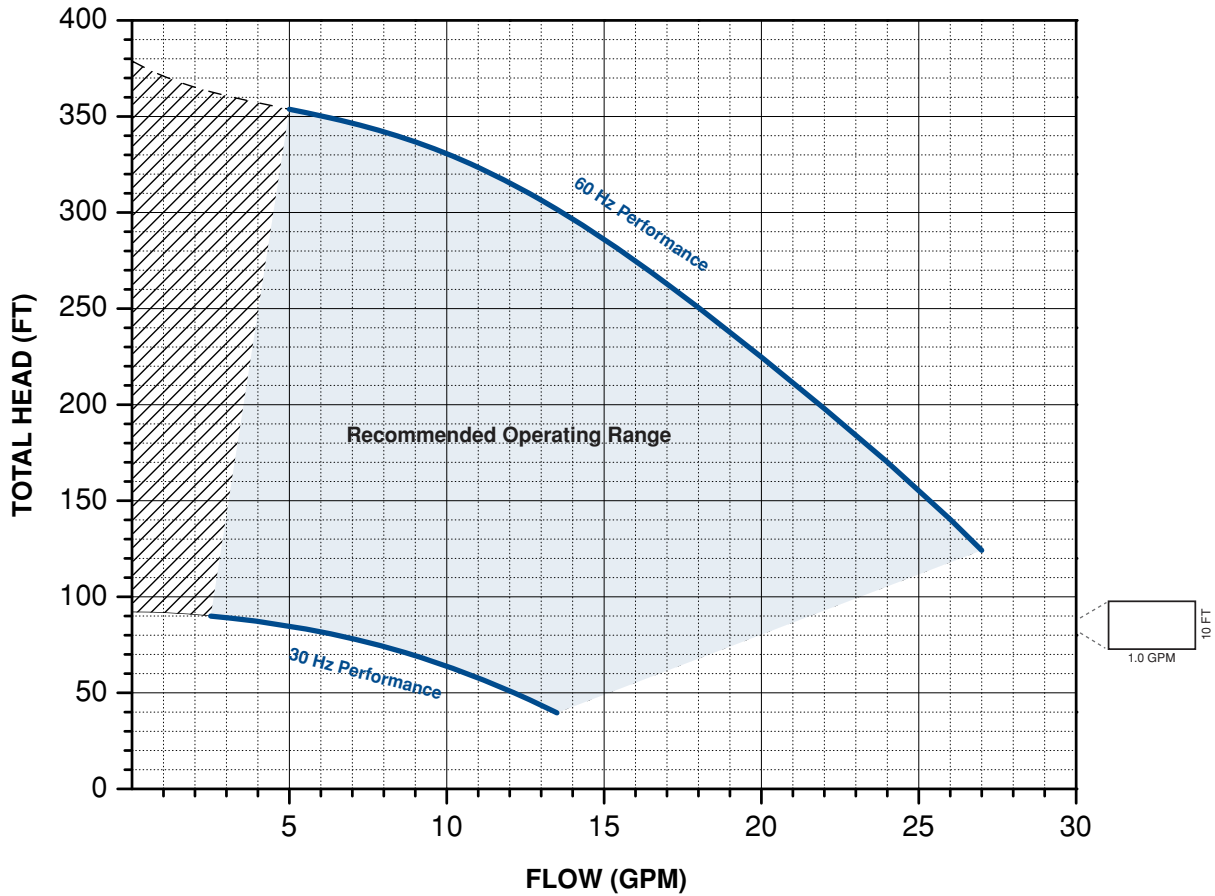
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|-----|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  |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

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

# Pump Performance

## 20-3WQP-1.5HP

MonoDrive, 20 gpm - 1.5 hp Pump End, 1.5 hp Motor



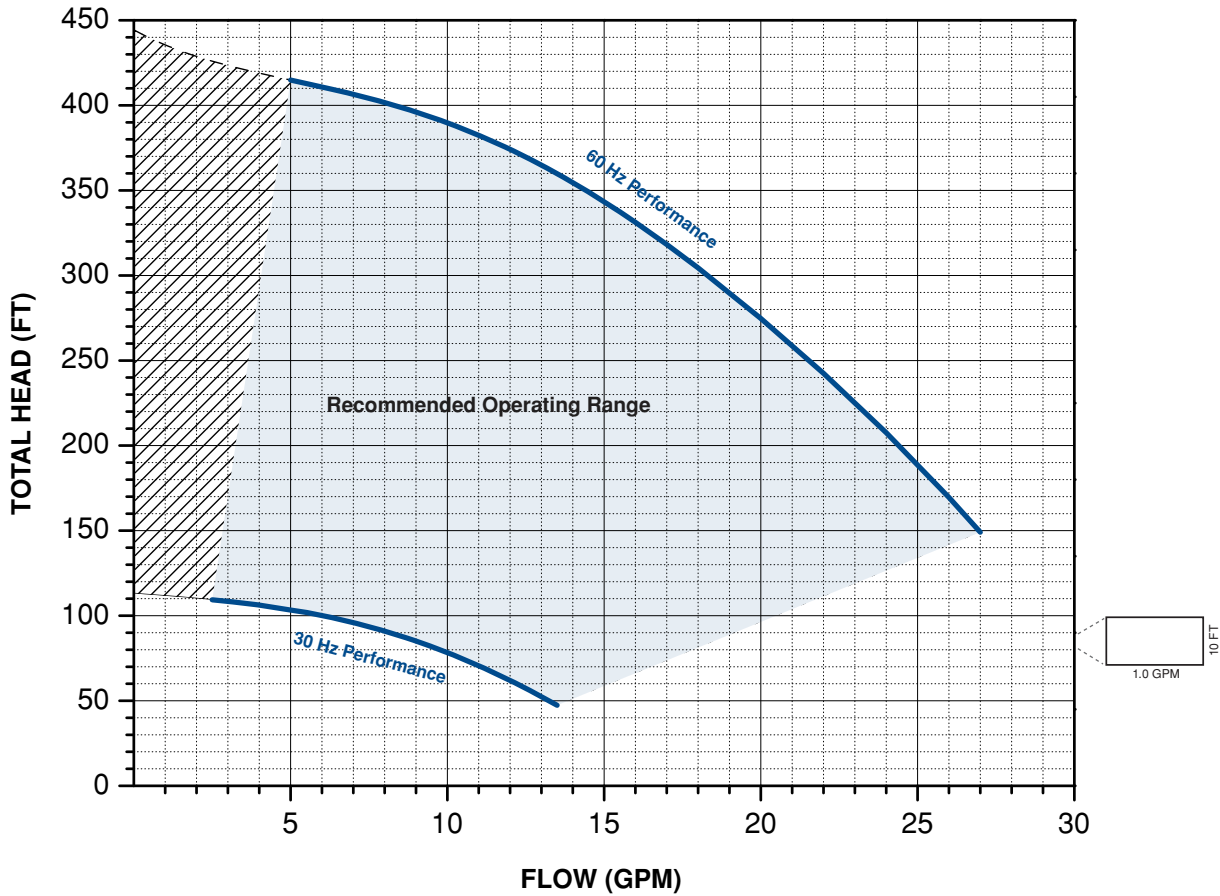
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |      |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|-----|
|              |     | 20  | 40   |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

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

# 3-Wire *QuickPAK*

## 20-3WQP-2.0HP

MonoDrive, 20 gpm - 2.0 hp Pump End, 2.0 hp Motor



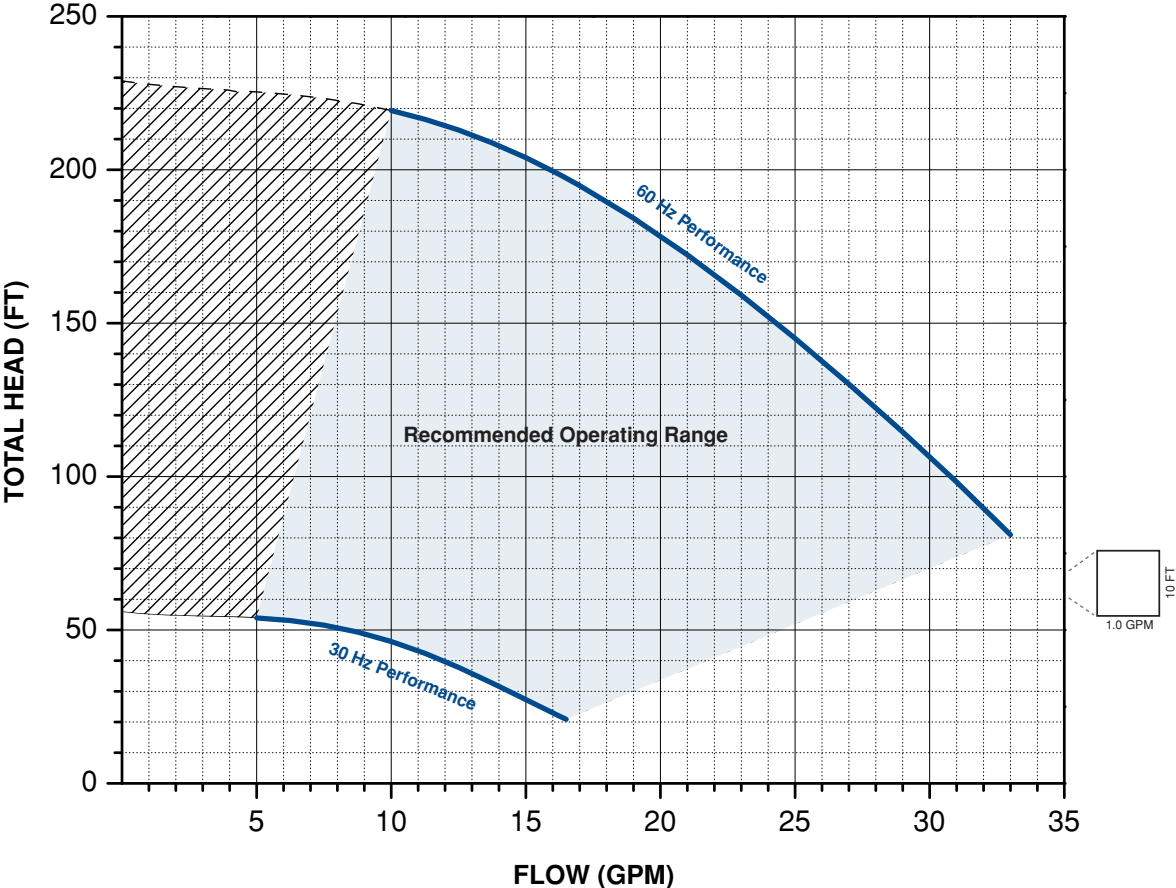
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |      |      |      |     |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|              |    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

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

# Pump Performance

## 25-3WQP-1.0HP

MonoDrive, 25 gpm - 1.0 hp Pump End, 1.0 hp Motor



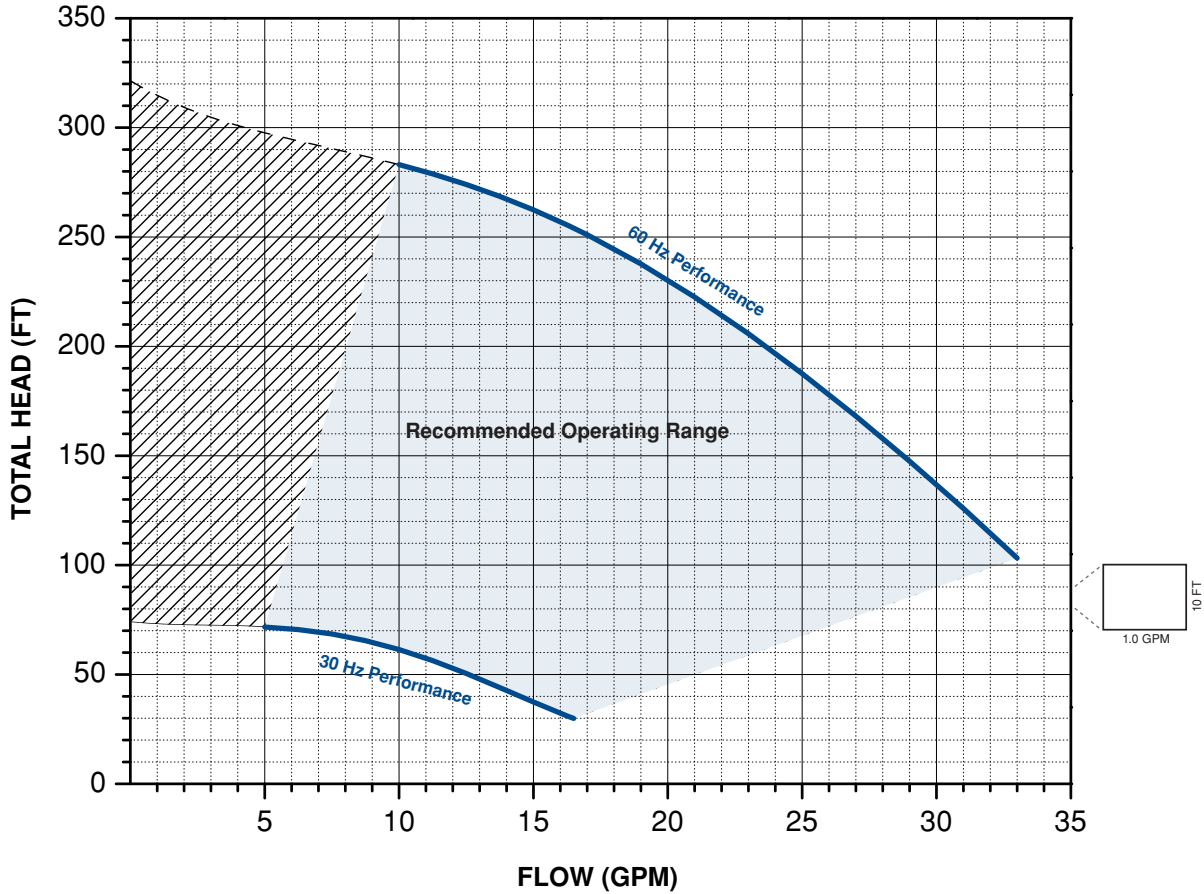
| HP           | PSI | Depth to Pumping Water Level, or Lift (in feet) |      |      |      |      |      |      |      |      |      |
|--------------|-----|---|------|------|------|------|------|------|------|------|------|
|              |     | 20  | 40   | 60   | 80   | 100  | 120  | 140  | 160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

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

# 3-Wire *QuickPAK*

## 25-3WQP-1.5HP

MonoDrive, 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  | 0.7  |      |     |
|              | 60  | 27.6  | 25.5 | 23.7 | 21.9 | 19.4 | 15.7 | 10.7 | 5.0  | 0.1  |      |      |     |
|              | 70  | 25.2  | 23.5 | 21.6 | 18.9 | 15.0 | 9.8  | 4.1  |      |      |      |      |     |
|              | 80  | 23.2  | 21.3 | 18.4 | 14.3 | 9.0  | 3.3  |      |      |      |      |      |     |
|              | 90  | 20.9  | 17.9 | 13.5 | 8.1  | 2.5  |      |      |      |      |      |      |     |
|              | 100 | 17.3  | 12.7 | 7.2  | 1.7  |      |      |      |      |      |      |      |     |
|              | 110 | 11.9  | 6.3  | 1.0  |      |      |      |      |      |      |      |      |     |
| 120          | 5.4 | 0.4   |      |      |      |      |      |      |      |      |      |      |     |
| Shut-off psi |     | 130   | 122  | 113  | 105  | 96   | 87   | 79   | 70   | 61   | 53   | 31   | 9   |

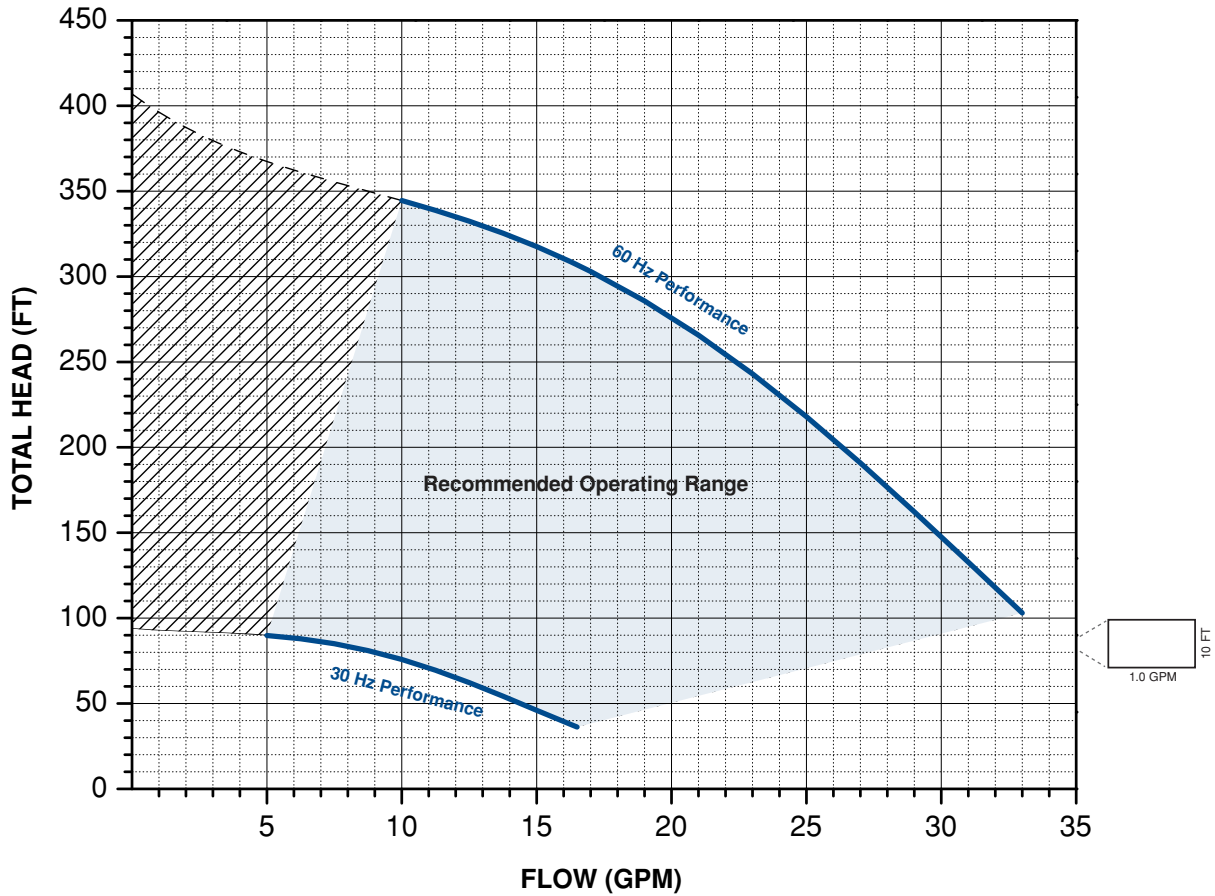
NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.



# Pump Performance

## 25-3WQP-2.0HP

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

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







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