



# The Rustler Series

4" Submersible Pumps



POWERED BY  
**PENTEK®**



**Precision-engineered, corrosion-resistant pumps in 5, 7/8, 10/12, 20, and 30 GPM deliver efficient, dependable performance even in rough, aggressive water. Heads to over 650 feet and capacities to 45 GPM. Built to deliver long-term, trouble-free service.**

**These pumps feature the proven SignaSeal™ staging system. Floating impeller design resists sand and reduces sand locking.**

## APPLICATIONS

**Water Systems...** for residential, industrial, commercial, multiple housing, and farm use.

## SPECIFICATIONS

**Shell:** Stainless steel

**Diameter:** 3-7/8"

**Discharge:** Fiberglass-reinforced thermoplastic

**Discharge Bearing:** Nylatron®

**Intermediate Bearing:** (On larger units) polycarbonate, nitrile rubber and stainless steel

**Impellers:** Acetal

**Diffusers:** Polycarbonate

**Suction Caps:** Polycarbonate with stainless steel insert

**Thrust Pads:** Proprietary spec.

**Shaft and Coupling:** Stainless steel

**Intake:** Fiberglass-reinforced thermoplastic

**Intake Screen:** Polypropylene

**Cable Guard:** Stainless steel

**Check Valve:** Spring-loaded check valve

**Agency Listings:** CSA

## FEATURES

**Proven Staging System:** Our proven SignaSeal staging system incorporates a harder-than-sand ceramic wear surface that when incorporated with our floating impeller design, greatly reduces problems with abrasives, sand lock-up and running dry.

**Discharge:** Corrosion-resistant fiberglass-reinforced thermoplastic for durability in aggressive water. Large octagon wrench area for ease of installation.

**Discharge Bearing:** Exclusive self-lubricating Nylatron bearing resists wear from sand.

**Intake:** Corrosion-resistant fiberglass-reinforced thermoplastic for durability in aggressive water.

**Shaft:** Positive drive from 7/16" hexagonal heavy-duty 300 grade stainless steel.

**Coupling:** Stainless steel press fit to pump shaft. Couples to all standard NEMA motors.

**Shell:** Crimped shell.

**Hardware:** All screws, washers and nuts are corrosion-resistant 300 grade stainless steel.

**Check Valve:** Spring-loaded check valve.

**Cable Guard:** Corrosion-resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.

**Intake Screen:** Molded-in screen.

**Pentek® XE Series™ Motor:** 2 and 3 wire NEMA standard all stainless construction water-filled motors.

## ORDERING INFORMATION

| GPM | MOTOR TYPE | HP    | STGS. | PH† | VOLT | ASSEMBLED PUMP |                |                | PUMP END       |                |                | MOTOR          |                | CONTROL BOX    |                |
|-----|------------|-------|-------|-----|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|     |            |       |       |     |      | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* |
| 5   | 2 WIRE     | 1/2   | 14    | 1   | 115  | 2NFL51-5-P4    | 28             | 28             | N55R           | 18             | 12             | P42B0005A1     | 19             |                |                |
|     |            | 1/2   | 14    | 1   | 230  | 2NFL52-5-P4    | 28             | 28             | N55R           | 18             | 12             | P42B0005A2     | 19             |                |                |
|     |            | 3/4   | 19    | 1   | 230  | 2NFL72-5-P4    | 33             | 34             | N75R           | 22             | 15             | P42B0007A2     | 23             |                |                |
|     |            | 1     | 22    | 1   | 230  | 2NFL102-5-P4   | 37             | 39             | N105R          | 26             | 17             | P42B0010A2     | 25             |                |                |
|     | 3 WIRE     | 1/2   | 13    | 1   | 115  | 3NFL51-5-P4    | 27-1/2         | 29             | N55R           | 18             | 12             | P43B0005A1     | 19             | SMC-IR0511     | 4              |
|     |            | 1/2   | 14    | 1   | 230  | 3NFL52-5-P4    | 28             | 28             | N55R           | 18             | 12             | P43B0005A2     | 18             | SMC-CR0521     | 4              |
|     |            | 3/4   | 19    | 1   | 230  | 3NFL72-5-P4    | 33             | 34             | N75R           | 22             | 15             | P43B0007A2     | 21             | SMC-CR0721     | 4              |
|     |            | 1     | 22    | 1   | 230  | 3NFL102-5-P4   | 37             | 39             | N105R          | 26             | 17             | P43B0010A2     | 23             | SMC-CR1021     | 4              |
|     |            | 1     | 22    | 3   | 230  |                |                |                | N105R          | 25-1/4         | 17             | P43B0010A3     | 23             |                |                |
|     |            | 1     | 22    | 3   | 460  |                |                |                | N105R          | 25-1/4         | 17             | P43B0010A4     | 23             |                |                |
| 7/8 | 2 WIRE     | 1/2   | 11    | 1   | 115  | 2NFL51-8-P4    | 26             | 27             | L7P4CJL        | 16             | 11             | P42B0005A1     | 19             |                |                |
|     |            | 1/2   | 11    | 1   | 230  | 2NFL52-8-P4    | 26             | 27             | L7P4CJL        | 16             | 11             | P42B0005A2     | 19             |                |                |
|     |            | 3/4   | 15    | 1   | 230  | 2NFL72-8-P4    | 30             | 32             | L7P4DJL        | 19             | 13             | P42B0007A2     | 23             |                |                |
|     |            | 1     | 18    | 1   | 230  | 2NFL102-8-P4   | 34             | 37             | L7P4EJL        | 22             | 15             | P42B0010A2     | 25             |                |                |
|     |            | 1-1/2 | 22    | 1   | 230  | 2NFL152-8-P4   | 43             | 47             | L7P4FJL        | 28             | 21             | P42B0015A2     | 29             |                |                |
|     | 3 WIRE     | 1/2   | 10    | 1   | 115  | 3NFL51-8-P4    | 25-1/2         | 27             | N58R           | 16             | 12             | P43B0005A1     | 19             | SMC-IR0511     | 4              |
|     |            | 1/2   | 11    | 1   | 230  | 3NFL52-8-P4    | 26             | 27             | N58R           | 16             | 11             | P43B0005A2     | 18             | SMC-CR0521     | 4              |
|     |            | 3/4   | 15    | 1   | 230  | 3NFL72-8-P4    | 29             | 32             | N78R           | 19             | 13             | P43B0007A2     | 21             | SMC-CR0721     | 4              |
|     |            | 1     | 17    | 1   | 230  | 3NFL102-8-P4   | 31             | 35             | N108R          | 20             | 14             | P43B0010A2     | 23             | SMC-CR0721     | 4              |
|     |            | 1     | 17    | 3   | 230  |                |                |                | N108R          | 22             | 17             | P43B0010A3     | 23             | SMC-CR1021     | 4              |
|     |            | 1     | 17    | 3   | 460  |                |                |                | N108R          | 22             | 17             | P43B0010A4     | 23             |                |                |
|     |            | 1-1/2 | 22    | 1   | 230  | 3NFL152-8-P4   | 41             | 44             | N158R          | 27-1/4         | 21             | P43B0015A2     | 27             |                |                |
|     |            | 1-1/2 | 22    | 3   | 230  |                |                |                | N158R          | 27-1/4         | 21             | P43B0015A3     | 23             | SMC-CR1521     | 7              |
|     |            | 1-1/2 | 22    | 3   | 460  |                |                |                | N158R          | 27-1/4         | 21             | P43B0015A4     | 23             |                |                |

†For all Pentek XE series three-phase motor options, see page 65.

\*Length and Weight are approximate.

TrimLine™ version maximum outside diameter is 3-3/4". Standard version maximum outside diameter is 3-7/8".

NOTE: Motor, Control Box or Magnetic Starter must be ordered separately. Discharge NPT is 1-1/4".

# ORDERING INFORMATION

| GPM     | MOTOR TYPE | HP    | STGS. | PH† | VOLT | ASSEMBLED PUMP |                |                | PUMP END       |                |                | MOTOR          |                | CONTROL BOX    |                |
|---------|------------|-------|-------|-----|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|         |            |       |       |     |      | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | LENGTH INCHES* | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* | CATALOG NUMBER | WEIGHT POUNDS* |
| 10/12** | 2 WIRE     | 1/2   | 8     | 1   | 115  | 2NFL51-12-P4   | 23             | 28             | N512R          | 13             | 9              | P42B0005A1     | 19             |                |                |
|         |            | 1/2   | 8     | 1   | 230  | 2NFL52-12-P4   | 23             | 28             | N512R          | 13             | 9              | P42B0005A2     | 19             |                |                |
|         |            | 3/4   | 11    | 1   | 230  | 2NFL72-12-P4   | 26             | 31             | N712R          | 15             | 10             | P42B0007A2     | 23             |                |                |
|         |            | 1     | 13    | 1   | 230  | 2NFL102-12-P4  | 29             | 35             | N1012R         | 17             | 11             | P42B0010A2     | 25             |                |                |
|         |            | 1-1/2 | 17    | 1   | 230  | 2NFL152-12-P4  | 35             | 42             | N1512R         | 20             | 12             | P42B0015A2     | 29             |                |                |
|         | 3 WIRE     | 1/2   | 7     | 1   | 115  | 3NFL51-12-P4   | 22-3/4         | 27-1/2         | N512R          | 12-3/4         | 9              | P43B0005A1     | 19             | SMC-IR0511     | 4              |
|         |            | 1/2   | 8     | 1   | 230  | 3NFL52-12-P4   | 23             | 28             | N512R          | 13             | 9              | P43B0005A2     | 19             | SMC-CR0521     | 4              |
|         |            | 3/4   | 11    | 1   | 230  | 3NFL72-12-P4   | 26             | 31             | N712R          | 15             | 10             | P43B0007A2     | 21             | SMC-CR0721     | 4              |
|         |            | 1     | 13    | 1   | 230  | 3NFL102-12-P4  | 29             | 35             | N1012R         | 17             | 11             | P43B0010A2     | 23             | SMC-CR1021     | 4              |
|         |            | 1     | 13    | 3   | 230  |                |                |                | N1012R         | 15-1/2         | 10-1/4         | P43B0010A3     | 23             |                |                |
|         |            | 1     | 13    | 3   | 460  |                |                |                | N1012R         | 15-1/2         | 10-1/4         | P43B0010A4     | 23             |                |                |
|         |            | 1-1/2 | 17    | 1   | 230  | 3NFL152-12-P4  | 34             | 42             | N1512R         | 20             | 12             | P43B0015A2     | 27             | SMC-CR1521     | 7              |
|         |            | 1-1/2 | 17    | 3   | 230  |                |                |                | N1512R         | 19-3/4         | 12-1/2         | P43B0015A3     | 23             |                |                |
|         |            | 1-1/2 | 17    | 3   | 460  |                |                |                | N1512R         | 19-3/4         | 12-1/2         | P43B0015A4     | 23             |                |                |
| 15**    | 2 WIRE     | 1/2   | 6     | 1   | 115  | 2NFL51-15-P4   | 23             | 27             | N515R          | 13             | 9              | P42B0005A1     | 19             |                |                |
|         |            | 1/2   | 6     | 1   | 230  | 2NFL52-15-P4   | 23             | 27             | N515R          | 13             | 9              | P42B0005A2     | 19             |                |                |
|         |            | 3/4   | 8     | 1   | 230  | 2NFL72-15-P4   | 26             | 31             | N715R          | 15             | 10             | P42B0007A2     | 23             |                |                |
|         |            | 1     | 10    | 1   | 230  | 2NFL102-15-P4  | 30             | 35             | N1015R         | 17             | 11             | P42B0010A2     | 25             |                |                |
|         |            | 1-1/2 | 12    | 1   | 230  | 2NFL152-15-P4  | 36             | 43             | N1515R         | 21             | 13             | P42B0015A2     | 29             |                |                |
|         | 3 WIRE     | 1/2   | 5     | 1   | 115  | 3NFL51-15-P4   | 22-1/4         | 27             | N515R          | 12-1/4         | 9              | P43B0005A1     | 19             | SMC-IR0511     | 4              |
|         |            | 1/2   | 6     | 1   | 230  | 3NFL52-15-P4   | 23             | 27             | N515R          | 13             | 9              | P43B0005A2     | 19             | SMC-CR0521     | 4              |
|         |            | 3/4   | 8     | 1   | 230  | 3NFL72-15-P4   | 26             | 31             | N715R          | 15             | 10             | P43B0007A2     | 21             | SMC-CR0721     | 4              |
|         |            | 1     | 10    | 1   | 230  | 3NFL102-15-P4  | 30             | 35             | N1015R         | 17             | 11             | P43B0010A2     | 23             | SMC-CR1021     | 4              |
|         |            | 1     | 9     | 3   | 230  |                |                |                | N1015R         | 15-1/2         | 10-1/4         | P43B0010A3     | 23             |                |                |
|         |            | 1     | 9     | 3   | 460  |                |                |                | N1015R         | 15-1/2         | 10-1/4         | P43B0010A4     | 23             |                |                |
|         |            | 1-1/2 | 12    | 1   | 230  | 3NFL152-15-P4  | 34             | 41             | N1515R         | 21             | 13             | P43B0015A2     | 27             | SMC-CR1521     | 7              |
|         |            | 1-1/2 | 12    | 3   | 230  |                |                |                | N1515R         | 20-1/4         | 13             | P43B0015A3     | 23             |                |                |
|         |            | 1-1/2 | 12    | 3   | 460  |                |                |                | N1515R         | 20-1/4         | 13             | P43B0015A4     | 23             |                |                |
| 20**    | 2 WIRE     | 3/4   | 6     | 1   | 230  | 2NFL72-20-P4   | 23-3/4         | 30             | N720R          | 13             | 9              | P42B0007A2     | 23             |                |                |
|         |            | 1     | 7     | 1   | 230  | 2NFL102-20-P4  | 27-1/4         | 34             | N1020R         | 15             | 10             | P42B0010A2     | 25             |                |                |
|         |            | 1-1/2 | 10    | 1   | 230  | 2NFL152-20-P4  | 32             | 39             | N1520R         | 17             | 11             | P42B0015A2     | 29             |                |                |
|         | 3 WIRE     | 3/4   | 6     | 1   | 230  | 3NFL72-20-P4   | 23-3/4         | 30             | N720R          | 13             | 9              | P43B0007A2     | 23             | SMC-CR0721     | 4              |
|         |            | 1     | 7     | 1   | 230  | 3NFL102-20-P4  | 27-1/4         | 34             | N1020R         | 15             | 10             | P43B0010A2     | 25             | SMC-CR1021     | 4              |
|         |            | 1     | 7     | 3   | 230  |                |                |                | N1020R         | 15-1/2         | 10-1/4         | P43B0010A3     | 23             |                |                |
|         |            | 1     | 7     | 3   | 460  |                |                |                | N1020R         | 15-1/2         | 10-1/4         | P43B0010A4     | 23             |                |                |
|         |            | 1-1/2 | 10    | 1   | 230  | 3NFL152-20-P4  | 30-1/2         | 39             | N1520R         | 17             | 11             | P43B0015A2     | 29             | SMC-CR1521     | 7              |
|         |            | 1-1/2 | 9     | 3   | 230  |                |                |                | N1520R         | 16-3/4         | 10-3/4         | P43B0015A3     | 23             |                |                |
|         |            | 1-1/2 | 9     | 3   | 460  |                |                |                | N1520R         | 16-3/4         | 10-3/4         | P43B0015A4     | 23             |                |                |
|         |            | 2     | 12    | 1   | 230  |                |                |                | N2020R         | 20-1/4         | 12-1/2         | P43B0020A2     | 31             | SMC-CR2021     | 7              |
|         |            | 2     | 12    | 3   | 230  |                |                |                | N2020R         | 20-1/4         | 12-1/2         | P43B0020A3     | 23             |                |                |
|         |            | 2     | 12    | 3   | 460  |                |                |                | N2020R         | 20-1/4         | 12-1/2         | P43B0020A4     | 23             |                |                |
| 30**    | 2 WIRE     | 1     | 5     | 1   | 230  | 2NFL102-30-P4  | 26-1/2         | 35             | N1030R         | 14             | 10             | P42B0010A2     | 25             |                |                |
|         |            | 1-1/2 | 6     | 1   | 230  | 2NFL152-30-P4  | 30-1/2         | 39             | N1530R         | 15-1/4         | 11             | P42B0015A2     | 29             |                |                |
|         | 3 WIRE     | 1     | 5     | 1   | 230  | 3NFL102-30-P4  | 26-1/2         | 35             | N1030R         | 14             | 10             | P43B0010A2     | 23             | SMC-CR1021     | 4              |
|         |            | 1     | 5     | 3   | 230  |                |                |                | N1030R         | 15-1/2         | 10-1/4         | P43B0010A3     | 23             |                |                |
|         |            | 1     | 5     | 3   | 460  |                |                |                | N1030R         | 15-1/2         | 10-1/4         | P43B0010A4     | 23             |                |                |
|         |            | 1-1/2 | 6     | 1   | 230  | 3NFL152-30-P4  | 29             | 39             | N1530R         | 15-1/4         | 11             | P43B0015A2     | 27             | SMC-CR1521     | 7              |
|         |            | 1-1/2 | 6     | 3   | 230  |                |                |                | N1530R         | 15-1/4         | 11             | P43B0015A3     | 23             |                |                |
|         |            | 1-1/2 | 6     | 3   | 460  |                |                |                | N1530R         | 15-1/4         | 11             | P43B0015A4     | 23             |                |                |
|         |            | 2     | 8     | 1   | 230  |                |                |                | N2030R         | 18-1/4         | 12             | P43B0020A2     | 31             | SMC-CR2021     | 7              |
|         |            | 2     | 8     | 3   | 230  |                |                |                | N2030R         | 18-1/4         | 12             | P43B0020A3     | 23             |                |                |
|         |            | 2     | 8     | 3   | 460  |                |                |                | N2030R         | 18-1/4         | 12             | P43B0020A4     | 23             |                |                |

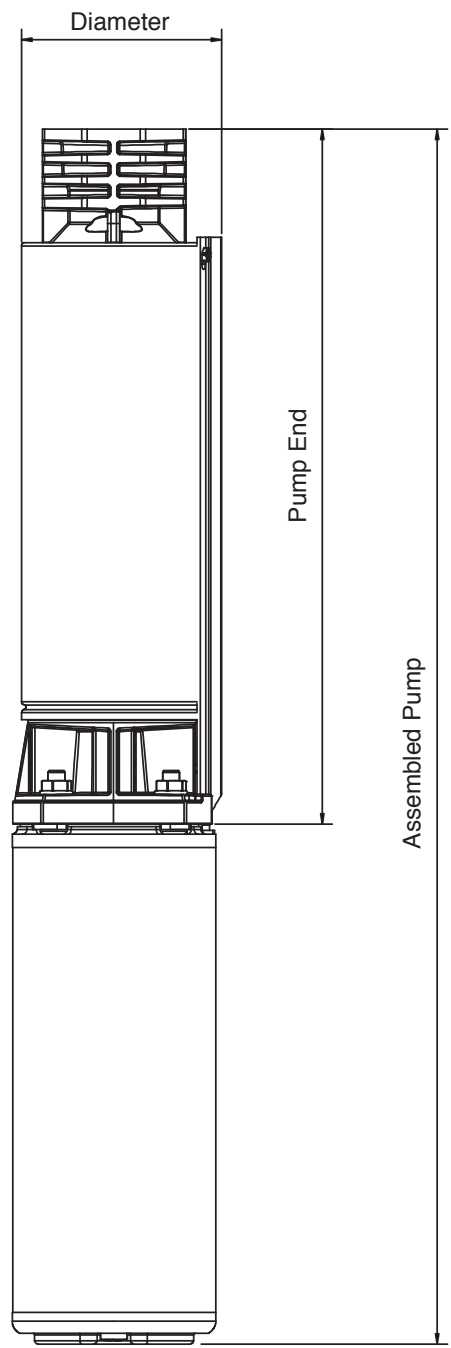
†For all Pentek XE series three-phase motor options, see page 65.

\*Length and Weight are approximate.

\*\*For 10 GPM, 15 GPM, 20 GPM and 30 GPM discharge is 1-1/4" NPT.

NOTE: On 2 HP and larger pumps – Motor, Control Box or Magnetic Starter must be ordered separately.

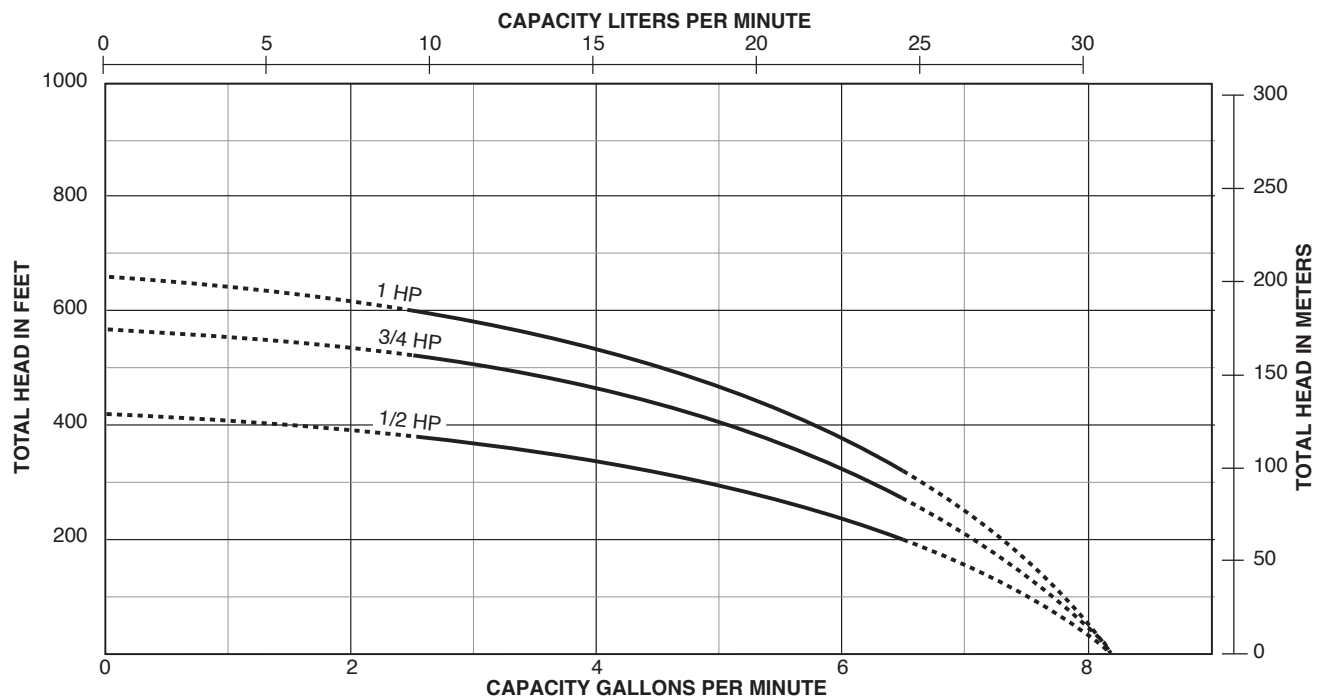
OUTLINE DIMENSIONS



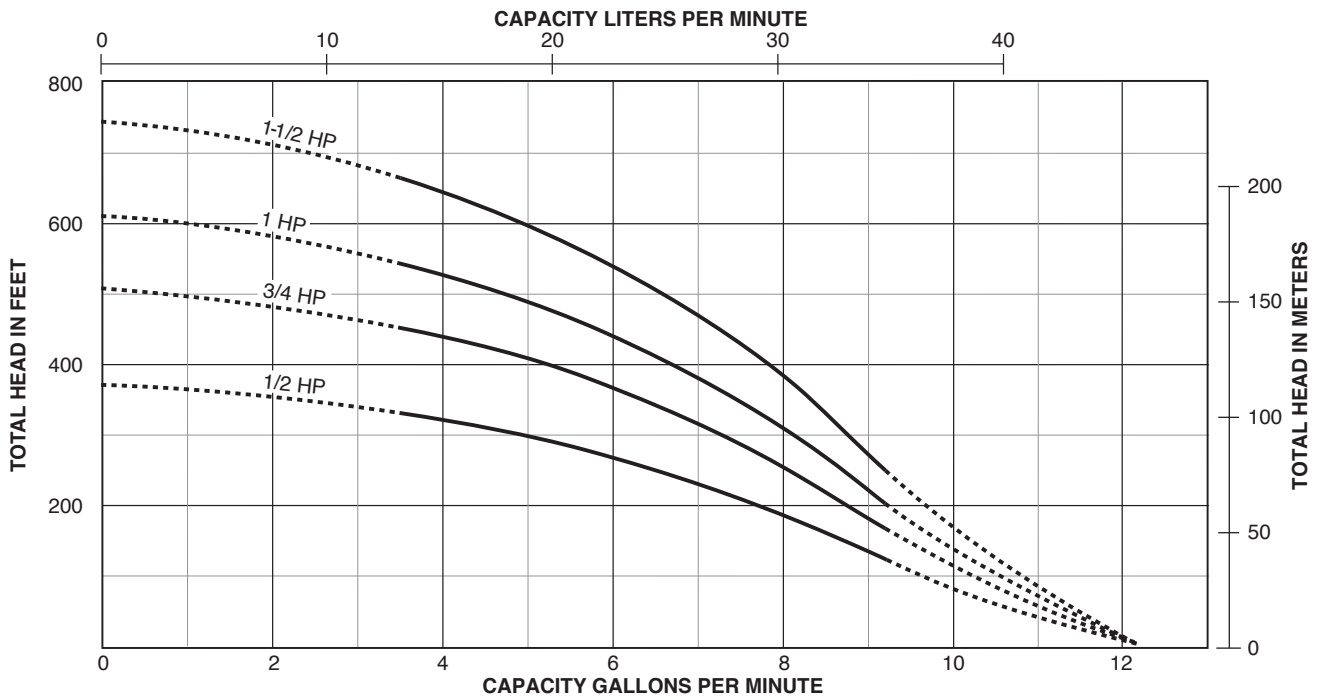
| DISCHARGE |            |
|-----------|------------|
| 5 GPM     | 1-1/4" NPT |
| 7/8 GPM   | 1-1/4" NPT |
| 10/12 GPM | 1-1/4" NPT |
| 15 GPM    | 1-1/4" NPT |
| 20 GPM    | 1-1/4" NPT |
| 30 GPM    | 1-1/4" NPT |

For lengths, refer to Ordering Information tables.  
Dimensions (in inches) are for estimating purposes only.  
NOTE: The 5 and 7/8 GPM models are the smaller 3-3/4" diameter TrimLine.

# **PUMP PERFORMANCE: 5 GPM**



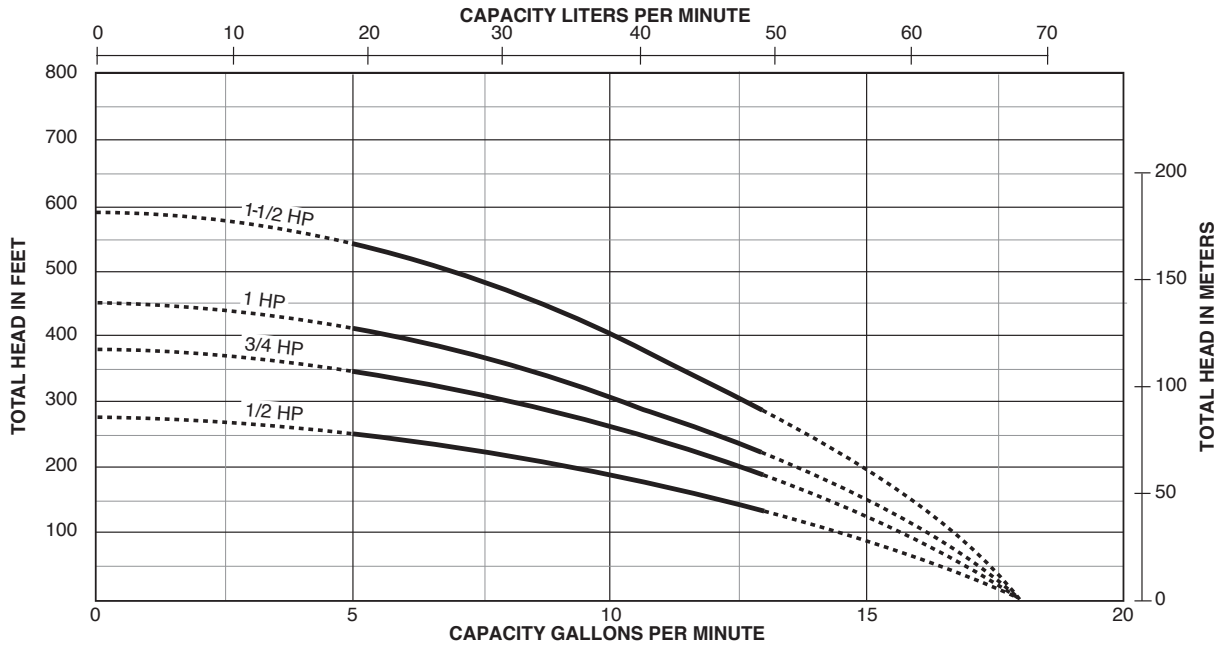
# **PUMP PERFORMANCE: 7/8 GPM**



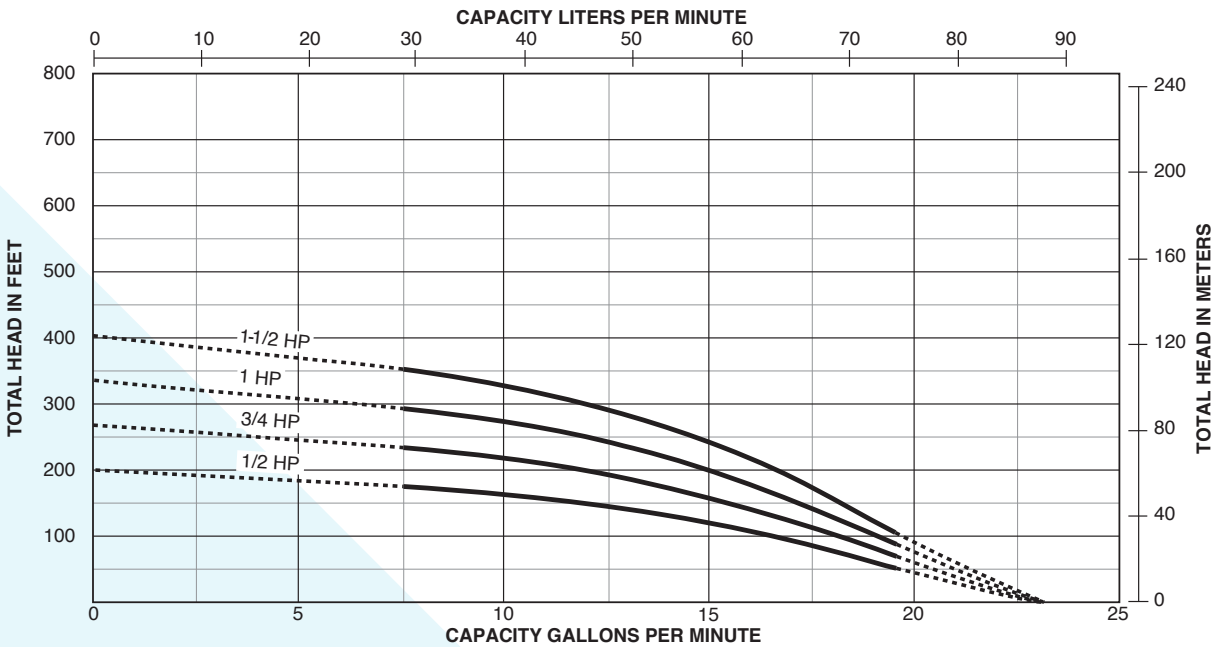
Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

# PUMP PERFORMANCE: 10/12 GPM



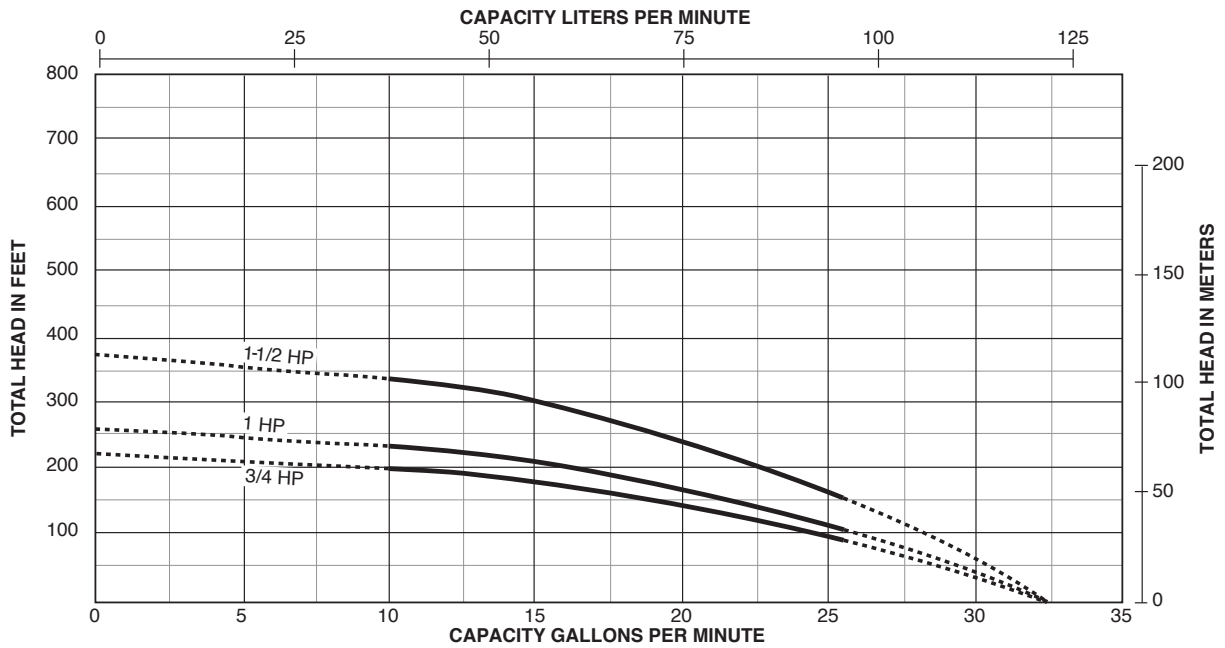
# PUMP PERFORMANCE: 15 GPM



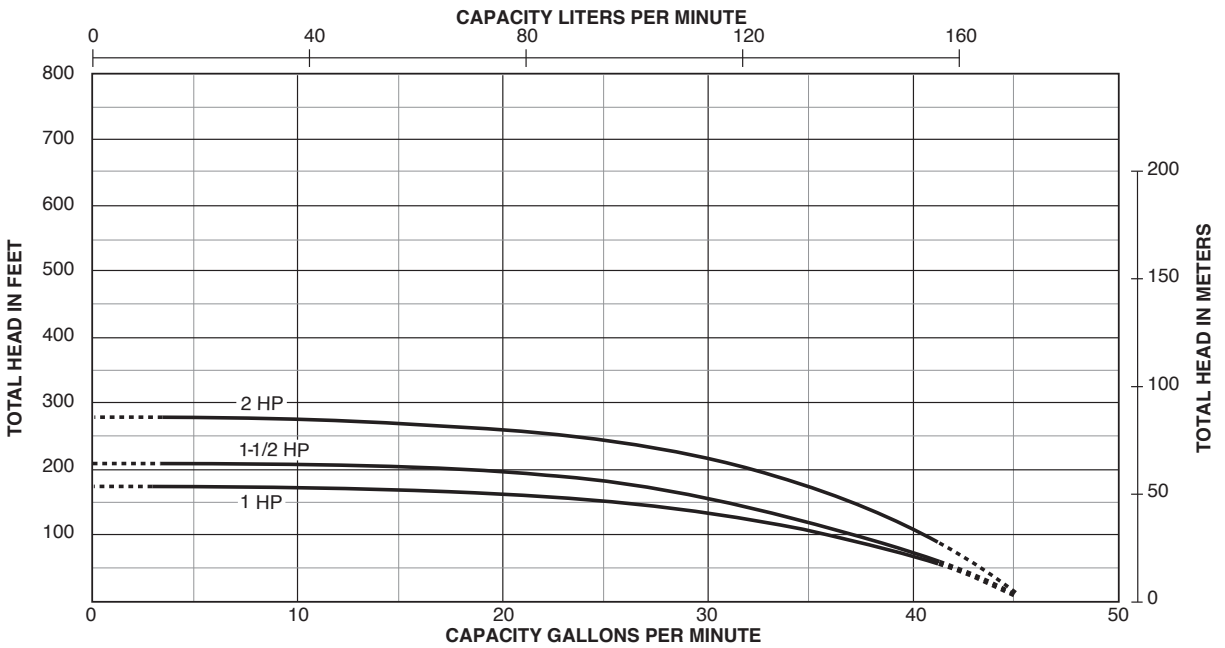
Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

# PUMP PERFORMANCE: 20 GPM



# PUMP PERFORMANCE: 30 GPM





| 7/8 GALLONS PER MINUTE |     |                       |      |      |      |      |      |      |      | PUMP PERFORMANCE (Capacity in gallons per minute) |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     | SHUT-OFF HEAD |     |  |
|------------------------|-----|-----------------------|------|------|------|------|------|------|------|---------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|---------------|-----|--|
| HP                     | PSI | PUMPING DEPTH IN FEET |      |      |      |      |      |      |      |                                                   |     |     |     |     |     |     |     |     |     |     |     | FEET | PSI |     |     |     |     |     |     |               |     |  |
|                        |     | 0                     | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160                                               | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 |      |     | 400 | 450 | 500 | 550 | 600 | 650 | 700           |     |  |
| 1/2                    | 0   | —                     | 11.0 | 10.7 | 10.4 | 10.0 | 9.7  | 9.3  | 8.9  | 8.6                                               | 8.1 | 7.7 | 7.2 | 6.7 | 6.2 | 5.6 | 5.0 | 4.2 | 3.3 |     |     |      |     |     |     |     |     |     |     | 372           | 161 |  |
|                        | 20  | 10.6                  | 10.3 | 9.9  | 9.6  | 9.2  | 8.8  | 8.4  | 8.0  | 7.6                                               | 7.1 | 6.6 | 6.0 | 5.4 | 4.7 | 3.9 | 2.9 |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 30  | 10.2                  | 9.9  | 9.5  | 9.2  | 8.8  | 8.4  | 7.9  | 7.5  | 7.0                                               | 6.5 | 5.9 | 5.3 | 4.6 | 3.8 | 2.7 |     |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 40  | 9.8                   | 9.5  | 9.1  | 8.7  | 8.3  | 7.9  | 7.4  | 6.9  | 6.4                                               | 5.9 | 5.2 | 4.5 | 3.7 | 2.5 |     |     |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 50  | 9.4                   | 9.0  | 8.6  | 8.2  | 7.8  | 7.3  | 6.9  | 6.3  | 5.8                                               | 5.1 | 4.4 | 3.5 | 2.3 |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 60  | 9.0                   | 8.6  | 8.2  | 7.7  | 7.3  | 6.8  | 6.2  | 5.7  | 5.0                                               | 4.3 | 3.3 | 2.0 |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 70  | 8.5                   | 8.1  | 7.7  | 7.2  | 6.7  | 6.2  | 5.6  | 4.9  | 4.1                                               | 3.2 |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 80  | 8.0                   | 7.6  | 7.1  | 6.6  | 6.1  | 5.5  | 4.8  | 4.0  | 3.0                                               |     |     |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
| 3/4                    | 0   | —                     | —    | 10.9 | 10.6 | 10.4 | 10.2 | 9.9  | 9.6  | 9.4                                               | 9.1 | 8.8 | 8.5 | 8.2 | 7.9 | 7.6 | 7.2 | 6.9 | 6.5 | 6.1 | 5.7 | 5.2  | 3.8 |     |     |     |     |     |     | 507           | 220 |  |
|                        | 20  | 10.8                  | 10.6 | 10.3 | 10.1 | 9.8  | 9.6  | 9.3  | 9.0  | 8.7                                               | 8.4 | 8.1 | 7.8 | 7.5 | 7.1 | 6.8 | 6.4 | 6.0 | 5.5 | 5.0 | 4.5 | 3.9  |     |     |     |     |     |     |     |               |     |  |
|                        | 30  | 10.5                  | 10.3 | 10.0 | 9.8  | 9.5  | 9.2  | 9.0  | 8.7  | 8.4                                               | 8.1 | 7.8 | 7.4 | 7.1 | 6.7 | 6.3 | 5.9 | 5.5 | 5.0 | 4.4 | 3.8 | 3.0  |     |     |     |     |     |     |     |               |     |  |
|                        | 40  | 10.2                  | 10.0 | 9.7  | 9.5  | 9.2  | 8.9  | 8.6  | 8.3  | 8.0                                               | 7.7 | 7.4 | 7.0 | 6.6 | 6.3 | 5.8 | 5.4 | 4.9 | 4.3 | 3.7 | 2.9 |      |     |     |     |     |     |     |     |               |     |  |
|                        | 50  | 10.0                  | 9.7  | 9.4  | 9.2  | 8.9  | 8.6  | 8.3  | 8.0  | 7.7                                               | 7.3 | 7.0 | 6.6 | 6.2 | 5.8 | 5.3 | 4.8 | 4.2 | 3.6 | 2.8 |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 60  | 9.7                   | 9.4  | 9.1  | 8.8  | 8.5  | 8.2  | 7.9  | 7.6  | 7.3                                               | 6.9 | 6.5 | 6.1 | 5.7 | 5.2 | 4.7 | 4.1 | 3.5 | 2.6 |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 70  | 9.4                   | 9.1  | 8.8  | 8.5  | 8.2  | 7.9  | 7.6  | 7.2  | 6.8                                               | 6.5 | 6.1 | 5.6 | 5.2 | 4.6 | 4.0 | 3.3 | 2.5 |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
|                        | 80  | 9.0                   | 8.8  | 8.5  | 8.2  | 7.8  | 7.5  | 7.2  | 6.8  | 6.4                                               | 6.0 | 5.6 | 5.1 | 4.5 | 3.9 | 3.2 | 2.3 |     |     |     |     |      |     |     |     |     |     |     |     |               |     |  |
| 1                      | 0   | —                     | —    | 11.0 | 10.8 | 10.6 | 10.4 | 10.2 | 9.9  | 9.7                                               | 9.5 | 9.3 | 9.1 | 8.8 | 8.6 | 8.3 | 8.1 | 7.8 | 7.5 | 7.2 | 6.9 | 6.6  | 5.8 | 4.8 | 3.5 |     |     |     |     | 608           | 263 |  |
|                        | 20  | 10.9                  | 10.7 | 10.5 | 10.3 | 10.1 | 9.9  | 9.7  | 9.4  | 9.2                                               | 9.0 | 8.7 | 8.5 | 8.2 | 8.0 | 7.7 | 7.4 | 7.1 | 6.8 | 6.5 | 6.2 | 5.8  | 4.9 | 3.6 |     |     |     |     |     |               |     |  |
|                        | 30  | 10.7                  | 10.5 | 10.3 | 10.1 | 9.8  | 9.6  | 9.4  | 9.2  | 8.9                                               | 8.7 | 8.5 | 8.2 | 7.9 | 7.7 | 7.4 | 7.1 | 6.8 | 6.5 | 6.1 | 5.8 | 5.4  | 4.3 | 2.8 |     |     |     |     |     |               |     |  |
|                        | 40  | 10.4                  | 10.2 | 10.0 | 9.8  | 9.6  | 9.4  | 9.1  | 8.9  | 8.7                                               | 8.4 | 8.2 | 7.9 | 7.6 | 7.4 | 7.1 | 6.8 | 6.4 | 6.1 | 5.7 | 5.3 | 4.9  | 3.7 |     |     |     |     |     |     |               |     |  |
|                        | 50  | 10.2                  | 10.0 | 9.8  | 9.6  | 9.3  | 9.1  | 8.9  | 8.6  | 8.4                                               | 8.1 | 7.9 | 7.6 | 7.3 | 7.0 | 6.7 | 6.4 | 6.0 | 5.7 | 5.3 | 4.9 | 4.4  | 3.0 |     |     |     |     |     |     |               |     |  |
|                        | 60  | 10.0                  | 9.7  | 9.5  | 9.3  | 9.1  | 8.8  | 8.6  | 8.3  | 8.1                                               | 7.8 | 7.5 | 7.3 | 7.0 | 6.7 | 6.3 | 6.0 | 5.6 | 5.2 | 4.8 | 4.3 | 3.8  |     |     |     |     |     |     |     |               |     |  |
|                        | 70  | 9.7                   | 9.5  | 9.3  | 9.0  | 8.8  | 8.6  | 8.3  | 8.0  | 7.8                                               | 7.5 | 7.2 | 6.9 | 6.6 | 6.3 | 5.9 | 5.6 | 5.2 | 4.7 | 4.3 | 3.7 | 3.1  |     |     |     |     |     |     |     |               |     |  |
|                        | 80  | 9.5                   | 9.2  | 9.0  | 8.8  | 8.5  | 8.3  | 8.0  | 7.7  | 7.5                                               | 7.2 | 6.9 | 6.6 | 6.2 | 5.9 | 5.5 | 5.1 | 4.7 | 4.2 | 3.6 | 3.0 | 2.1  |     |     |     |     |     |     |     |               |     |  |
| 1-1/2                  | 0   | —                     | —    | 11.0 | 10.9 | 10.7 | 10.5 | 10.4 | 10.2 | 10.0                                              | 9.9 | 9.7 | 9.5 | 9.3 | 9.1 | 8.9 | 8.8 | 8.6 | 8.3 | 8.1 | 7.9 | 7.7  | 7.1 | 6.5 | 5.8 | 5.0 | 4.0 | 2.7 |     | 744           | 322 |  |
|                        | 20  | 11.0                  | 10.8 | 10.7 | 10.5 | 10.3 | 10.2 | 10.0 | 9.8  | 9.6                                               | 9.5 | 9.3 | 9.1 | 8.9 | 8.7 | 8.5 | 8.3 | 8.1 | 7.9 | 7.6 | 7.4 | 7.2  | 6.5 | 5.8 | 5.0 | 4.1 | 2.8 |     |     |               |     |  |
|                        | 30  | 10.8                  | 10.6 | 10.5 | 10.3 | 10.1 | 10.0 | 9.8  | 9.6  | 9.4                                               | 9.2 | 9.1 | 8.9 | 8.7 | 8.5 | 8.3 | 8.0 | 7.8 | 7.6 | 7.4 | 7.1 | 6.9  | 6.2 | 5.5 | 4.6 | 3.5 |     |     |     |               |     |  |
|                        | 40  | 10.6                  | 10.4 | 10.3 | 10.1 | 9.9  | 9.8  | 9.6  | 9.4  | 9.2                                               | 9.0 | 8.8 | 8.6 | 8.4 | 8.2 | 8.0 | 7.8 | 7.6 | 7.3 | 7.1 | 6.8 | 6.6  | 5.9 | 5.1 | 4.2 | 2.9 |     |     |     |               |     |  |
|                        | 50  | 10.4                  | 10.2 | 10.1 | 9.9  | 9.7  | 9.6  | 9.4  | 9.2  | 9.0                                               | 8.8 | 8.6 | 8.4 | 8.2 | 8.0 | 7.8 | 7.5 | 7.3 | 7.1 | 6.8 | 6.5 | 6.3  | 5.5 | 4.7 | 3.6 | 2.1 |     |     |     |               |     |  |
|                        | 60  | 10.2                  | 10.1 | 9.9  | 9.7  | 9.5  | 9.3  | 9.2  | 9.0  | 8.8                                               | 8.6 | 8.4 | 8.2 | 7.9 | 7.7 | 7.5 | 7.3 | 7.0 | 6.8 | 6.5 | 6.2 | 5.9  | 5.2 | 4.2 | 3.0 |     |     |     |     |               |     |  |
|                        | 70  | 10.0                  | 9.9  | 9.7  | 9.5  | 9.3  | 9.1  | 8.9  | 8.7  | 8.5                                               | 8.3 | 8.1 | 7.9 | 7.7 | 7.5 | 7.2 | 7.0 | 6.7 | 6.5 | 6.2 | 5.9 | 5.6  | 4.8 | 3.7 | 2.3 |     |     |     |     |               |     |  |
|                        | 80  | 9.8                   | 9.6  | 9.5  | 9.3  | 9.1  | 8.9  | 8.7  | 8.5  | 8.3                                               | 8.1 | 7.9 | 7.6 | 7.4 | 7.2 | 6.9 | 6.7 | 6.4 | 6.1 | 5.9 | 5.5 | 5.2  | 4.3 | 3.1 |     |     |     |     |     |               |     |  |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty is void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

| 10/12 GALLONS PER MINUTE |     |                       |      |      |      |      |      |      |      |      |      | PUMP PERFORMANCE (Capacity in gallons per minute) |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|--------------------------|-----|-----------------------|------|------|------|------|------|------|------|------|------|---------------------------------------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|-----|---------------|--|
| HP                       | PSI | PUMPING DEPTH IN FEET |      |      |      |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     | SHUT-OFF HEAD |  |
|                          |     | 0                     | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200                                               | 220  | 240  | 260  | 280  | 300  | 320  | 340  | 360  | 380  | 400  | 450 | 500 | 550 | FEET | PSI |               |  |
| 1/2                      | 0   | —                     | —    | —    | —    | —    | 14.7 | 13.8 | 12.9 | 11.8 | 10.7 | 9.4                                               | 8.0  | 6.3  | 4.1  |      |      |      |      |      |      |      |     |     |     |      | 278 | 120           |  |
|                          | 20  | —                     | —    | —    | 14.4 | 13.5 | 12.5 | 11.5 | 10.3 | 9.0  | 7.5  | 5.7                                               | 3.2  |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 30  | —                     | —    | 14.3 | 13.4 | 12.4 | 11.3 | 10.1 | 8.8  | 7.3  | 5.4  | 2.7                                               |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 40  | —                     | 14.2 | 13.2 | 12.2 | 11.1 | 9.9  | 8.6  | 7.0  | 5.1  | 2.0  |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 50  | 14.0                  | 13.1 | 12.1 | 11.0 | 9.7  | 8.4  | 6.8  | 4.7  |      |      |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 60  | 12.9                  | 11.9 | 10.8 | 9.5  | 8.1  | 6.5  | 4.3  |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 70  | 11.7                  | 10.6 | 9.3  | 7.9  | 6.2  | 3.9  |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 80  | 10.4                  | 9.1  | 7.7  | 5.9  | 3.4  |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
| 3/4                      | 0   | —                     | —    | —    | —    | —    | —    | —    | 14.6 | 14.0 | 13.3 | 12.6                                              | 11.8 | 11.0 | 10.1 | 9.2  | 8.2  | 7.0  | 5.6  | 3.9  |      |      |     |     |     |      | 382 | 165           |  |
|                          | 20  | —                     | —    | —    | —    | —    | 14.4 | 13.8 | 13.1 | 12.3 | 11.6 | 10.7                                              | 9.9  | 8.9  | 7.8  | 6.6  | 5.1  | 3.2  |      |      |      |      |     |     |     |      |     |               |  |
|                          | 30  | —                     | —    | —    | 15.0 | 14.3 | 13.7 | 13.0 | 12.2 | 11.5 | 10.6 | 9.7                                               | 8.7  | 7.6  | 6.4  | 4.9  | 2.8  |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 40  | —                     | —    | 14.9 | 14.2 | 13.6 | 12.9 | 12.1 | 11.3 | 10.5 | 9.6  | 8.6                                               | 7.5  | 6.2  | 4.6  | 2.4  |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 50  | 15.4                  | 14.8 | 14.1 | 13.5 | 12.7 | 12.0 | 11.2 | 10.3 | 9.4  | 8.4  | 7.3                                               | 6.0  | 4.3  |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 60  | 14.7                  | 14.0 | 13.3 | 12.6 | 11.9 | 11.1 | 10.2 | 9.3  | 8.2  | 7.1  | 5.7                                               | 4.0  |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 70  | 13.9                  | 13.2 | 12.5 | 11.8 | 10.9 | 10.1 | 9.1  | 8.1  | 6.9  | 5.5  | 3.7                                               |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 80  | 13.1                  | 12.4 | 11.6 | 10.8 | 9.9  | 9.0  | 7.9  | 6.7  | 5.3  | 3.4  |                                                   |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
| 1                        | 0   | —                     | —    | —    | —    | —    | —    | —    | —    | 14.8 | 14.2 | 13.7                                              | 13.1 | 12.5 | 11.8 | 11.1 | 10.4 | 9.6  | 8.8  | 7.9  | 6.9  | 5.7  |     |     |     |      | 452 | 195           |  |
|                          | 20  | —                     | —    | —    | —    | —    | —    | 14.6 | 14.1 | 13.5 | 12.9 | 12.3                                              | 11.6 | 10.9 | 10.2 | 9.4  | 8.5  | 7.6  | 6.6  | 5.3  | 3.8  |      |     |     |     |      |     |               |  |
|                          | 30  | —                     | —    | —    | —    | —    | 14.5 | 14.0 | 13.4 | 12.8 | 12.2 | 11.5                                              | 10.8 | 10.1 | 9.3  | 8.4  | 7.5  | 6.4  | 5.1  | 3.5  |      |      |     |     |     |      |     |               |  |
|                          | 40  | —                     | —    | —    | 15.0 | 14.5 | 13.9 | 13.3 | 12.7 | 12.1 | 11.4 | 10.7                                              | 9.9  | 9.1  | 8.3  | 7.3  | 6.2  | 4.9  | 3.2  |      |      |      |     |     |     |      |     |               |  |
|                          | 50  | —                     | —    | 14.9 | 14.4 | 13.8 | 13.2 | 12.6 | 12.0 | 11.3 | 10.6 | 9.8                                               | 9.0  | 8.1  | 7.1  | 6.0  | 4.7  | 2.9  |      |      |      |      |     |     |     |      |     |               |  |
|                          | 60  | —                     | 14.8 | 14.3 | 13.7 | 13.1 | 12.5 | 11.9 | 11.2 | 10.5 | 9.7  | 8.9                                               | 8.0  | 7.0  | 5.8  | 4.4  | 2.6  |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 70  | 14.7                  | 14.2 | 13.6 | 13.0 | 12.4 | 11.8 | 11.1 | 10.4 | 9.6  | 8.7  | 7.8                                               | 6.8  | 5.6  | 4.2  | 2.2  |      |      |      |      |      |      |     |     |     |      |     |               |  |
|                          | 80  | 14.1                  | 13.5 | 12.9 | 12.3 | 11.7 | 11.0 | 10.2 | 9.5  | 8.6  | 7.7  | 6.6                                               | 5.4  | 3.9  |      |      |      |      |      |      |      |      |     |     |     |      |     |               |  |
| 1-1/2                    | 0   | —                     | —    | —    | —    | —    | —    | —    | —    | —    | —    | 15.0                                              | 14.6 | 14.1 | 13.7 | 13.3 | 12.8 | 12.3 | 11.8 | 11.3 | 10.8 | 10.2 | 8.6 | 6.8 | 4.3 |      | 590 | 256           |  |
|                          | 20  | —                     | —    | —    | —    | —    | —    | —    | —    | 14.9 | 14.4 | 14.0                                              | 13.6 | 13.1 | 12.6 | 12.2 | 11.7 | 11.1 | 10.6 | 10.0 | 9.4  | 8.8  | 6.9 | 4.5 |     |      |     |               |  |
|                          | 30  | —                     | —    | —    | —    | —    | —    | —    | 14.8 | 14.4 | 13.9 | 13.5                                              | 13.0 | 12.6 | 12.1 | 11.6 | 11.1 | 10.5 | 9.9  | 9.3  | 8.7  | 8.0  | 5.9 | 2.9 |     |      |     |               |  |
|                          | 40  | —                     | —    | —    | —    | —    | —    | 14.7 | 14.3 | 13.9 | 13.4 | 13.0                                              | 12.5 | 12.0 | 11.5 | 11.0 | 10.4 | 9.8  | 9.2  | 8.6  | 7.9  | 7.1  | 4.7 |     |     |      |     |               |  |
|                          | 50  | —                     | —    | —    | —    | —    | 14.7 | 14.2 | 13.8 | 13.4 | 12.9 | 12.4                                              | 11.9 | 11.4 | 10.9 | 10.3 | 9.7  | 9.1  | 8.5  | 7.7  | 7.0  | 6.1  | 3.2 |     |     |      |     |               |  |
|                          | 60  | —                     | —    | —    | 15.0 | 14.6 | 14.2 | 13.7 | 13.3 | 12.8 | 12.4 | 11.9                                              | 11.3 | 10.8 | 10.2 | 9.6  | 9.0  | 8.3  | 7.6  | 6.8  | 6.0  | 4.9  |     |     |     |      |     |               |  |
|                          | 70  | —                     | —    | 14.9 | 14.5 | 14.1 | 13.7 | 13.2 | 12.8 | 12.3 | 11.8 | 11.3                                              | 10.7 | 10.1 | 9.5  | 8.9  | 8.2  | 7.5  | 6.7  | 5.8  | 4.8  | 3.5  |     |     |     |      |     |               |  |
|                          | 80  | —                     | 14.9 | 14.5 | 14.0 | 13.6 | 13.2 | 12.7 | 12.2 | 11.7 | 11.2 | 10.6                                              | 10.1 | 9.5  | 8.8  | 8.1  | 7.4  | 6.6  | 5.7  | 4.6  | 3.3  |      |     |     |     |      |     |               |  |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions. Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

| 15 GALLONS PER MINUTE |     |                       |      |      |      |      |      |      |      |      | PUMP PERFORMANCE (Capacity in gallons per minute) |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|-----------------------|-----|-----------------------|------|------|------|------|------|------|------|------|---------------------------------------------------|------|------|------|------|------|------|------|-----|-----|-----|---------------|------|-----|--|--|--|--|--|--|--|
| HP                    | PSI | PUMPING DEPTH IN FEET |      |      |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     | SHUT-OFF HEAD |      |     |  |  |  |  |  |  |  |
|                       |     | 0                     | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180                                               | 200  | 220  | 240  | 260  | 280  | 300  | 320  | 340 | 360 | 380 | 400           | FEET | PSI |  |  |  |  |  |  |  |
| 1/2                   | 0   | —                     | —    | 20.5 | 19.2 | 17.8 | 16.3 | 14.7 | 12.8 | 10.5 | 7.5                                               |      |      |      |      |      |      |      |     |     |     |               | 201  | 87  |  |  |  |  |  |  |  |
|                       | 20  | 20.1                  | 18.8 | 17.4 | 15.8 | 14.1 | 12.1 | 9.7  | 6.2  |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 30  | 18.6                  | 17.1 | 15.6 | 13.8 | 11.8 | 9.2  | 5.5  |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 40  | 16.9                  | 15.3 | 13.5 | 11.4 | 8.8  | 4.6  |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 50  | 15.1                  | 13.2 | 11.0 | 8.3  | 3.4  |      |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 60  | 12.9                  | 10.7 | 7.8  |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 70  | 10.3                  | 7.2  |      |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 80  | 6.6                   |      |      |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
| 3/4                   | 0   | —                     | —    | —    | 20.2 | 19.2 | 18.2 | 17.1 | 15.9 | 14.7 | 13.3                                              | 11.7 | 9.8  | 7.5  | 3.6  |      |      |      |     |     |     |               | 269  | 116 |  |  |  |  |  |  |  |
|                       | 20  | 20.8                  | 19.9 | 18.9 | 17.9 | 16.7 | 15.5 | 14.2 | 12.8 | 11.2 | 9.2                                               | 6.6  |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 30  | 19.7                  | 18.7 | 17.7 | 16.6 | 15.4 | 14.0 | 12.6 | 10.9 | 8.8  | 6.1                                               |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 40  | 18.6                  | 17.5 | 16.4 | 15.2 | 13.8 | 12.3 | 10.6 | 8.5  | 5.5  |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 50  | 17.3                  | 16.2 | 15.0 | 13.6 | 12.1 | 10.3 | 8.1  | 4.8  |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 60  | 16.0                  | 14.8 | 13.4 | 11.8 | 10.0 | 7.7  | 4.0  |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 70  | 14.5                  | 13.1 | 11.5 | 9.7  | 7.3  | 3.0  |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 80  | 12.9                  | 11.3 | 9.3  | 6.8  |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
| 1                     | 0   | —                     | —    | —    | —    | 20.4 | 19.6 | 18.7 | 17.8 | 16.9 | 15.9                                              | 14.8 | 13.6 | 12.3 | 10.9 | 9.3  | 7.3  | 4.5  |     |     |     |               | 336  | 145 |  |  |  |  |  |  |  |
|                       | 20  | —                     | 21.0 | 20.2 | 19.3 | 18.5 | 17.5 | 16.6 | 15.5 | 14.4 | 13.2                                              | 11.9 | 10.4 | 8.7  | 6.6  | 3.2  |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 30  | 20.9                  | 20.1 | 19.2 | 18.3 | 17.4 | 16.4 | 15.4 | 14.3 | 13.0 | 11.7                                              | 10.2 | 8.4  | 6.2  | 2.4  |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 40  | 19.9                  | 19.1 | 18.2 | 17.3 | 16.3 | 15.2 | 14.1 | 12.8 | 11.5 | 9.9                                               | 8.1  | 5.7  |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 50  | 18.9                  | 18.0 | 17.1 | 16.1 | 15.0 | 13.9 | 12.6 | 11.3 | 9.7  | 7.8                                               | 5.3  |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 60  | 17.9                  | 17.0 | 15.9 | 14.9 | 13.7 | 12.4 | 11.0 | 9.4  | 7.5  | 4.8                                               |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 70  | 16.8                  | 15.8 | 14.7 | 13.5 | 12.2 | 10.8 | 9.1  | 7.1  | 4.2  |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 80  | 15.6                  | 14.5 | 13.3 | 12.0 | 10.6 | 8.8  | 6.7  | 3.6  |      |                                                   |      |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
| 1-1/2                 | 0   | —                     | —    | —    | —    | 20.5 | 19.9 | 19.2 | 18.5 | 17.8 | 17.1                                              | 16.3 | 15.5 | 14.7 | 13.7 | 12.8 | 11.7 | 10.5 | 9.1 | 7.5 | 5.3 |               | 403  | 174 |  |  |  |  |  |  |  |
|                       | 20  | —                     | 20.9 | 20.3 | 19.7 | 19.0 | 18.3 | 17.6 | 16.9 | 16.1 | 15.3                                              | 14.4 | 13.4 | 12.4 | 11.3 | 10.1 | 8.7  | 6.9  | 4.3 |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 30  | 20.8                  | 20.2 | 19.6 | 18.9 | 18.2 | 17.5 | 16.7 | 16.0 | 15.1 | 14.2                                              | 13.3 | 12.3 | 11.2 | 9.9  | 8.4  | 6.6  | 3.8  |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 40  | 20.1                  | 19.5 | 18.8 | 18.1 | 17.4 | 16.6 | 15.8 | 15.0 | 14.1 | 13.1                                              | 12.1 | 11.0 | 9.7  | 8.2  | 6.2  | 3.0  |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 50  | 19.4                  | 18.7 | 18.0 | 17.3 | 16.5 | 15.7 | 14.9 | 14.0 | 13.0 | 11.9                                              | 10.8 | 9.5  | 7.9  | 5.9  | 1.8  |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 60  | 18.6                  | 17.9 | 17.1 | 16.4 | 15.6 | 14.7 | 13.8 | 12.8 | 11.8 | 10.6                                              | 9.2  | 7.6  | 5.5  |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 70  | 17.8                  | 17.0 | 16.3 | 15.4 | 14.6 | 13.7 | 12.7 | 11.6 | 10.4 | 9.0                                               | 7.3  | 5.1  |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |
|                       | 80  | 16.9                  | 16.1 | 15.3 | 14.4 | 13.5 | 12.5 | 11.4 | 10.2 | 8.8  | 7.0                                               | 4.6  |      |      |      |      |      |      |     |     |     |               |      |     |  |  |  |  |  |  |  |

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

| 20 GALLONS PER MINUTE |     |                       |      |      |      |      |      |      |      | PUMP PERFORMANCE (Capacity in gallons per minute) |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|-----------------------|-----|-----------------------|------|------|------|------|------|------|------|---------------------------------------------------|------|------|------|------|------|------|------|------|------|-----|-----|---------------|------|-----|--|--|--|--|
| HP                    | PSI | PUMPING DEPTH IN FEET |      |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     | SHUT-OFF HEAD |      |     |  |  |  |  |
|                       |     | 0                     | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160                                               | 180  | 200  | 220  | 240  | 260  | 280  | 300  | 320  | 340  | 360 | 380 | 400           | FEET | PSI |  |  |  |  |
| 3/4                   | 0   | —                     | —    | —    | —    | 26.9 | 25.0 | 23.0 | 20.7 | 18.1                                              | 15.1 | 11.3 | 4.9  |      |      |      |      |      |      |     |     |               | 225  | 97  |  |  |  |  |
|                       | 20  | —                     | —    | 26.3 | 24.4 | 22.3 | 19.9 | 17.3 | 14.1 | 9.8                                               |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 30  | 27.9                  | 26.1 | 24.1 | 21.9 | 19.6 | 16.8 | 13.5 | 9.0  |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 40  | 25.8                  | 23.8 | 21.6 | 19.2 | 16.4 | 12.9 | 8.0  |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 50  | 23.4                  | 21.2 | 18.8 | 15.9 | 12.3 | 7.0  |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 60  | 20.9                  | 18.3 | 15.4 | 11.6 | 5.7  |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 70  | 17.9                  | 14.9 | 10.9 | 3.8  |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 80  | 14.3                  | 10.2 |      |      |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
| 1                     | 0   | —                     | —    | —    | —    | 27.9 | 26.4 | 24.7 | 23.0 | 21.0                                              | 18.9 | 16.5 | 13.6 | 10.0 | 2.8  |      |      |      |      |     |     |               | 262  | 114 |  |  |  |  |
|                       | 20  | —                     | —    | 27.5 | 25.9 | 24.2 | 22.4 | 20.4 | 18.2 | 15.7                                              | 12.6 | 8.5  |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 30  | —                     | 27.2 | 25.6 | 23.9 | 22.1 | 20.1 | 17.8 | 15.2 | 12.1                                              | 7.6  |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 40  | 27.0                  | 25.4 | 23.7 | 21.8 | 19.7 | 17.5 | 14.8 | 11.5 | 6.6                                               |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 50  | 25.1                  | 23.4 | 21.5 | 19.4 | 17.1 | 14.3 | 10.9 | 5.5  |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 60  | 23.1                  | 21.2 | 19.1 | 16.7 | 13.9 | 10.3 | 3.9  |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 70  | 20.9                  | 18.7 | 16.3 | 13.4 | 9.6  |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 80  | 18.4                  | 15.9 | 12.9 | 8.8  |      |      |      |      |                                                   |      |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
| 1-1/2                 | 0   | —                     | —    | —    | —    | —    | —    | 27.9 | 26.8 | 25.6                                              | 24.4 | 23.1 | 21.7 | 20.2 | 18.6 | 16.9 | 15.0 | 12.7 | 10.0 | 6.1 |     |               | 375  | 162 |  |  |  |  |
|                       | 20  | —                     | —    | —    | —    | 27.5 | 26.4 | 25.2 | 24.0 | 22.6                                              | 21.3 | 19.8 | 18.1 | 16.3 | 14.3 | 12.0 | 9.0  | 4.1  |      |     |     |               |      |     |  |  |  |  |
|                       | 30  | —                     | —    | —    | 27.4 | 26.2 | 25.0 | 23.8 | 22.4 | 21.0                                              | 19.5 | 17.9 | 16.0 | 14.0 | 11.6 | 8.4  | 2.6  |      |      |     |     |               |      |     |  |  |  |  |
|                       | 40  | —                     | —    | 27.2 | 26.0 | 24.8 | 23.6 | 22.2 | 20.8 | 19.3                                              | 17.6 | 15.7 | 13.6 | 11.1 | 7.8  |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 50  | —                     | 27.0 | 25.8 | 24.6 | 23.4 | 22.0 | 20.6 | 19.0 | 17.3                                              | 15.4 | 13.3 | 10.7 | 7.2  |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 60  | 26.8                  | 25.7 | 24.4 | 23.2 | 21.8 | 20.3 | 18.8 | 17.0 | 15.1                                              | 12.9 | 10.2 | 6.5  |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 70  | 25.5                  | 24.2 | 23.0 | 21.6 | 20.1 | 18.5 | 16.8 | 14.8 | 12.5                                              | 9.7  | 5.6  |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |
|                       | 80  | 24.1                  | 22.7 | 21.4 | 19.9 | 18.2 | 16.5 | 14.5 | 12.2 | 9.2                                               | 4.7  |      |      |      |      |      |      |      |      |     |     |               |      |     |  |  |  |  |

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NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

| 30 GALLONS PER MINUTE |     |                       |      |      |      |      |      |      |      | PUMP PERFORMANCE (Capacity in gallons per minute) |      |     |     |     |     |               |     |
|-----------------------|-----|-----------------------|------|------|------|------|------|------|------|---------------------------------------------------|------|-----|-----|-----|-----|---------------|-----|
| HP                    | PSI | PUMPING DEPTH IN FEET |      |      |      |      |      |      |      |                                                   |      |     |     |     |     | SHUT-OFF HEAD |     |
|                       |     | 20                    | 40   | 60   | 80   | 100  | 125  | 150  | 175  | 200                                               | 250  | 300 | 350 | 400 | 450 | FEET          | PSI |
| 1                     | 0   | —                     | —    | 40.9 | 39.1 | 36.8 | 32.5 | 26.0 | 8.0  |                                                   |      |     |     |     |     | 175           | 76  |
|                       | 20  | 40.4                  | 38.8 | 36.0 | 32.4 | 27.7 | 13.3 |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 30  | 38.0                  | 35.3 | 31.7 | 26.3 | 14.3 |      |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 40  | 35.0                  | 31.4 | 25.9 | 12.1 |      |      |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 50  | 30.2                  | 24.0 | 3.0  |      |      |      |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 60  | 21.9                  |      |      |      |      |      |      |      |                                                   |      |     |     |     |     |               |     |
| 1-1/2                 | 0   | —                     | —    | 41.9 | 39.9 | 37.5 | 34.1 | 30.9 | 26.9 | 17.0                                              |      |     |     |     |     | 210           | 91  |
|                       | 20  | 41.2                  | 39.1 | 36.5 | 34.0 | 31.5 | 27.8 | 21.5 |      |                                                   |      |     |     |     |     |               |     |
|                       | 30  | 38.9                  | 36.1 | 33.8 | 31.0 | 27.9 | 21.8 |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 40  | 36.0                  | 33.5 | 30.8 | 27.7 | 20.2 |      |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 50  | 32.9                  | 30.1 | 26.8 | 21.5 |      |      |      |      |                                                   |      |     |     |     |     |               |     |
|                       | 60  | 29.5                  | 25.9 | 18.1 |      |      |      |      |      |                                                   |      |     |     |     |     |               |     |
| 2                     | 0   | —                     | —    | —    | 41.8 | 40.5 | 38.8 | 36.8 | 34.7 | 31.6                                              | 23.7 |     |     |     |     | 280           | 121 |
|                       | 20  | —                     | 41.3 | 40.1 | 38.7 | 37.1 | 34.9 | 32.1 | 29.0 | 24.8                                              |      |     |     |     |     |               |     |
|                       | 30  | 41.2                  | 40.0 | 38.5 | 37.0 | 35.0 | 32.2 | 29.1 | 24.9 | 15.2                                              |      |     |     |     |     |               |     |
|                       | 40  | 39.9                  | 38.3 | 36.6 | 34.8 | 32.7 | 29.8 | 25.1 | 16.1 |                                                   |      |     |     |     |     |               |     |
|                       | 50  | 38.0                  | 36.3 | 34.5 | 32.1 | 30.0 | 25.3 | 17.5 |      |                                                   |      |     |     |     |     |               |     |
|                       | 60  | 36.0                  | 34.0 | 31.9 | 29.1 | 26.0 | 18.0 |      |      |                                                   |      |     |     |     |     |               |     |

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