

J-CLASS SandHandler

Submersible Pumps

TRI-SEAL™
Floating Stage System



Franklin Electric
The Company You Trust Deep Down



J-CLASS

SandHandler

4" SandHandler

The Standard J-Class SandHandler 4" submersible pump features the new TRI-SEAL floating stage system. This new stage system further improves efficiency and protects against wear when pumping abrasives (sand). All J-Class SandHandler pumps are unconditionally guaranteed against sand locking in abrasive well conditions for one full year. For details on how to become a registered dealer and receive a 5-year warranty, contact your local distributor.

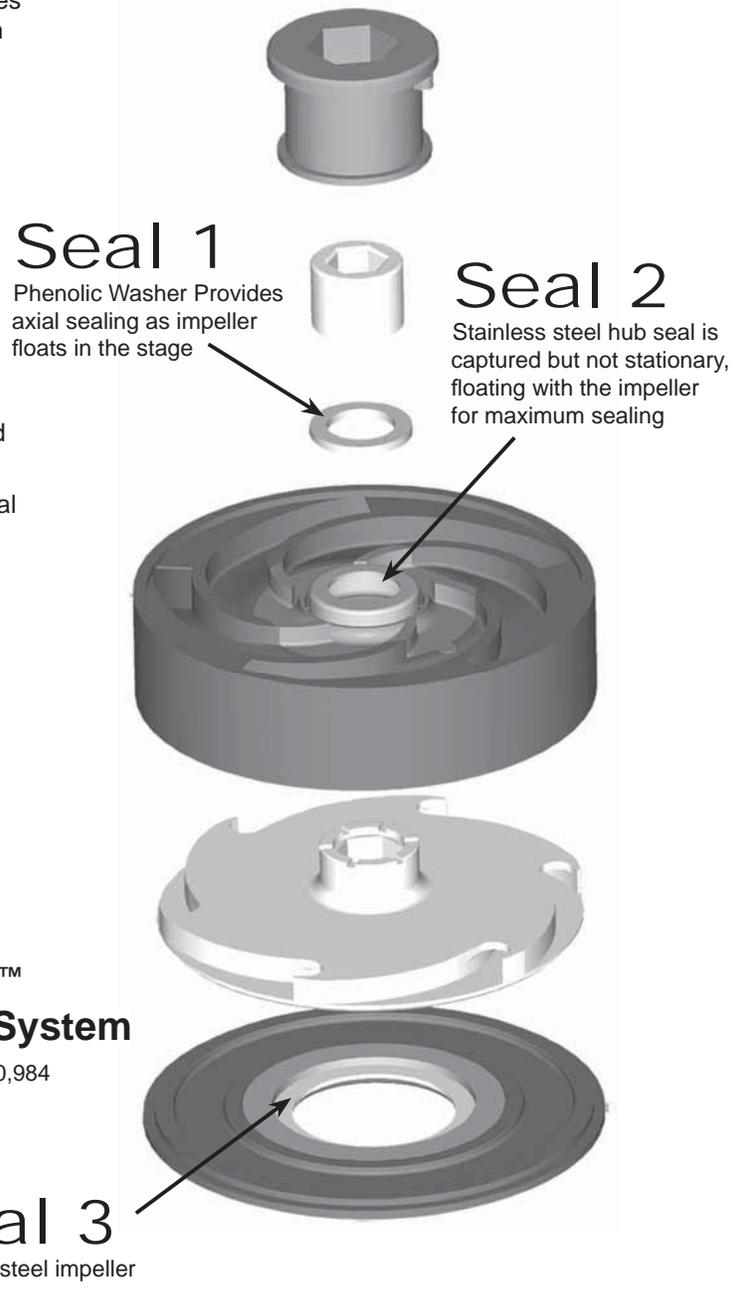
Features:

- 300 series stainless steel hub floats with the impeller maintaining a positive seal
- Phenolic washer provides down-thrust protection
- Celcon®* impeller provides high efficiency performance and abrasion resistance
- Noryl®* diffuser and disc - proven abrasion resistant material
- Floating stage design allows impeller to float independently
- Removable, spring-loaded check valve
- Maximum water temperature: 120 °F
- Ceramic shaft sleeve and rubber discharge bearing protect shaft and eliminate sand wear
- Powered by Franklin Electric corrosion resistant 4" submersible motors

Patented impeller hub seal system seals radially and axially to prevent fluid recirculation. Providing high performance in the harshest conditions.

TRI-SEAL™ Floating Stage System

U.S. Patent No. 7,290,984



CSA CERTIFIED
PUMP END ONLY



Drinking Water
NSF/ANSI 61

* Note: Celcon® is a registered trademark of The Celanese Corporation
Noryl® is a registered trademark of G.E.

4" Submersible Pumps

Ordering Information

Plastic:

| GPM | HP | STAGES | VOLTS | 2-WIRE | | 3-WIRE | |
|-----|-----|--------|-------|----------------|-----------|----------------|-----------|
| | | | | MODEL NO. | ORDER NO. | MODEL NO. | ORDER NO. |
| 5 | 1/2 | 8 | 115 | 5JS05P4-2W115 | 93740505 | 5JS05P4-3W115 | 93740530 |
| | 1/2 | 8 | 230 | 5JS05P4-2W230 | 93740510 | 5JS05P4-3W230 | 93740535 |
| | 3/4 | 12 | 230 | 5JS07P4-2W230 | 93740515 | 5JS07P4-3W230 | 93740540 |
| | 1 | 15 | 230 | 5JS1P4-2W230 | 93740520 | 5JS1P4-3W230 | 93740545 |
| | 1.5 | 21 | 230 | 5JS15P4-2W230 | 93740525 | 5JS15P4-3W230 | 93740550 |
| 7 | 1/2 | 7 | 115 | 7JS05P4-2W115 | 93740705 | 7JS05P4-3W115 | 93740730 |
| | 1/2 | 7 | 230 | 7JS05P4-2W230 | 93740710 | 7JS05P4-3W230 | 93740735 |
| | 3/4 | 10 | 230 | 7JS07P4-2W230 | 93740715 | 7JS07P4-3W230 | 93740740 |
| | 1 | 13 | 230 | 7JS1P4-2W230 | 93740720 | 7JS1P4-3W230 | 93740745 |
| | 1.5 | 18 | 230 | 7JS15P4-2W230 | 93740725 | 7JS15P4-3W230 | 93740750 |
| 10 | 1/2 | 6 | 115 | 10JS05P4-2W115 | 93741005 | 10JS05P4-3W115 | 93741030 |
| | 1/2 | 6 | 230 | 10JS05P4-2W230 | 93741010 | 10JS05P4-3W230 | 93741035 |
| | 3/4 | 8 | 230 | 10JS07P4-2W230 | 93741015 | 10JS07P4-3W230 | 93741040 |
| | 1 | 11 | 230 | 10JS1P4-2W230 | 93741020 | 10JS1P4-3W230 | 93741045 |
| | 1.5 | 15 | 230 | 10JS15P4-2W230 | 93741025 | 10JS15P4-3W230 | 93741050 |
| 15 | 1/2 | 4 | 115 | 15JS05P4-2W115 | 93741505 | 15JS05P4-3W115 | 93741530 |
| | 1/2 | 4 | 230 | 15JS05P4-2W230 | 93741510 | 15JS05P4-3W230 | 93741535 |
| | 3/4 | 6 | 230 | 15JS07P4-2W230 | 93741515 | 15JS07P4-3W230 | 93741540 |
| | 1 | 8 | 230 | 15JS1P4-2W230 | 93741520 | 15JS1P4-3W230 | 93741545 |
| | 1.5 | 11 | 230 | 15JS15P4-2W230 | 93741525 | 15JS15P4-3W230 | 93741550 |
| 20 | 3/4 | 5 | 230 | 20JS07P4-2W230 | 93742015 | 20JS07P4-3W230 | 93742040 |
| | 1 | 7 | 230 | 20JS1P4-2W230 | 93742020 | 20JS1P4-3W230 | 93742045 |
| | 1.5 | 9 | 230 | 20JS15P4-2W230 | 93742025 | 20JS15P4-3W230 | 93742050 |
| 25 | 1 | 6 | 230 | 25JS1P4-2W230 | 93742520 | 25JS1P4-3W230 | 93742545 |
| | 1.5 | 8 | 230 | 25JS15P4-2W230 | 93742525 | 25JS15P4-3W230 | 93742550 |



Franklin Electric
The Company You Trust Deep Down

Ordering Information

Stainless Steel:

| GPM | HP | STAGES | VOLTS | 2-WIRE | | 3-WIRE | |
|-----|-----|--------|-------|----------------|-----------|----------------|-----------|
| | | | | MODEL NO. | ORDER NO. | MODEL NO. | ORDER NO. |
| 5 | 1/2 | 8 | 115 | 5JS05S4-2W115 | 93760505 | 5JS05S4-3W115 | 93760530 |
| | 1/2 | 8 | 230 | 5JS05S4-2W230 | 93760510 | 5JS05S4-3W230 | 93760535 |
| | 3/4 | 12 | 230 | 5JS07S4-2W230 | 93760515 | 5JS07S4-3W230 | 93760540 |
| | 1 | 15 | 230 | 5JS1S4-2W230 | 93760520 | 5JS1S4-3W230 | 93760545 |
| | 1.5 | 21 | 230 | 5JS15S4-2W230 | 93760525 | 5JS15S4-3W230 | 93760550 |
| 7 | 1/2 | 7 | 115 | 7JS05S4-2W115 | 93760705 | 7JS05S4-3W115 | 93760730 |
| | 1/2 | 7 | 230 | 7JS05S4-2W230 | 93760710 | 7JS05S4-3W230 | 93760735 |
| | 3/4 | 10 | 230 | 7JS07S4-2W230 | 93760715 | 7JS07S4-3W230 | 93760740 |
| | 1 | 13 | 230 | 7JS1S4-2W230 | 93760720 | 7JS1S4-3W230 | 93760745 |
| | 1.5 | 18 | 230 | 7JS15S4-2W230 | 93760725 | 7JS15S4-3W230 | 93760750 |
| 10 | 1/2 | 6 | 115 | 10JS05S4-2W115 | 93761005 | 10JS05S4-3W115 | 93761030 |
| | 1/2 | 6 | 230 | 10JS05S4-2W230 | 93761010 | 10JS05S4-3W230 | 93761035 |
| | 3/4 | 8 | 230 | 10JS07S4-2W230 | 93761015 | 10JS07S4-3W230 | 93761040 |
| | 1 | 11 | 230 | 10JS1S4-2W230 | 93761020 | 10JS1S4-3W230 | 93761045 |
| | 1.5 | 15 | 230 | 10JS15S4-2W230 | 93761025 | 10JS15S4-3W230 | 93761050 |
| 15 | 1/2 | 4 | 115 | 15JS05S4-2W115 | 93761505 | 15JS05S4-3W115 | 93761530 |
| | 1/2 | 4 | 230 | 15JS05S4-2W230 | 93761510 | 15JS05S4-3W230 | 93761535 |
| | 3/4 | 6 | 230 | 15JS07S4-2W230 | 93761515 | 15JS07S4-3W230 | 93761540 |
| | 1 | 8 | 230 | 15JS1S4-2W230 | 93761520 | 15JS1S4-3W230 | 93761545 |
| | 1.5 | 11 | 230 | 15JS15S4-2W230 | 93761525 | 15JS15S4-3W230 | 93761550 |
| 20 | 3/4 | 5 | 230 | 20JS07S4-2W230 | 93762015 | 20JS07S4-3W230 | 93762040 |
| | 1 | 7 | 230 | 20JS1S4-2W230 | 93762020 | 20JS1S4-3W230 | 93762045 |
| | 1.5 | 9 | 230 | 20JS15S4-2W230 | 93762025 | 20JS15S4-3W230 | 93762050 |
| 25 | 1 | 6 | 230 | 25JS1S4-2W230 | 93762520 | 25JS1S4-3W230 | 93762545 |
| | 1.5 | 8 | 230 | 25JS15S4-2W230 | 93762525 | 25JS15S4-3W230 | 93762550 |

4" Submersible Pumps

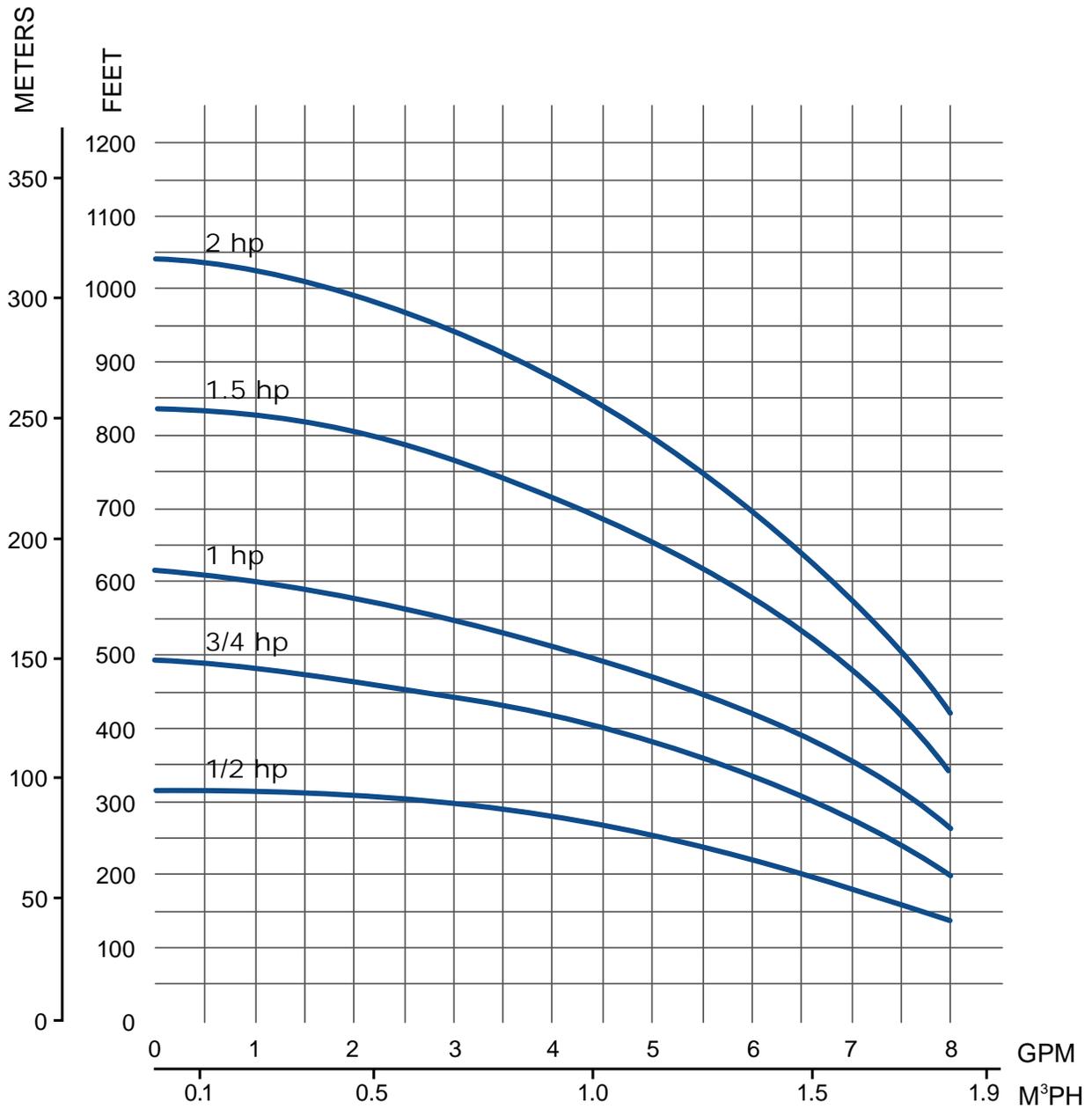
Ordering Information

Pump End Assemblies Only:

| PLASTIC | | | | |
|---------|-----|--------|-------------|-----------|
| GPM | HP | STAGES | MODEL NO. | ORDER NO. |
| 5 | 1/2 | 8 | 5JS05P4-PE | 93750505 |
| | 3/4 | 12 | 5JS07P4-PE | 93750510 |
| | 1 | 15 | 5JS1P4-PE | 93750515 |
| | 1.5 | 21 | 5JS15P4-PE | 93750520 |
| 7 | 1/2 | 7 | 7JS05P4-PE | 93750705 |
| | 3/4 | 10 | 7JS07P4-PE | 93750710 |
| | 1 | 13 | 7JS1P4-PE | 93750715 |
| | 1.5 | 18 | 7JS15P4-PE | 93750720 |
| 10 | 1/2 | 6 | 10JS05P4-PE | 93751005 |
| | 3/4 | 8 | 10JS07P4-PE | 93751010 |
| | 1 | 11 | 10JS1P4-PE | 93751015 |
| | 1.5 | 15 | 10JS15P4-PE | 93751020 |
| 15 | 1/2 | 4 | 15JS05P4-PE | 93751505 |
| | 3/4 | 6 | 15JS07P4-PE | 93751510 |
| | 1 | 8 | 15JS1P4-PE | 93751515 |
| | 1.5 | 11 | 15JS15P4-PE | 93751520 |
| 20 | 3/4 | 5 | 20JS07P4-PE | 93752010 |
| | 1 | 7 | 20JS1P4-PE | 93752015 |
| | 1.5 | 9 | 20JS15P4-PE | 93752020 |
| 25 | 1 | 6 | 25JS1P4-PE | 93752515 |
| | 1.5 | 8 | 25JS15P4-PE | 93752520 |

| STAINLESS STEEL | | | | |
|-----------------|-----|--------|-------------|-----------|
| GPM | HP | STAGES | MODEL NO. | ORDER NO. |
| 5 | 1/2 | 8 | 5JS05S4-PE | 93770505 |
| | 3/4 | 12 | 5JS07S4-PE | 93770510 |
| | 1 | 15 | 5JS1S4-PE | 93770515 |
| | 1.5 | 21 | 5JS15S4-PE | 93770520 |
| | 2 | 26 | 5JS2S4-PE | 93770525 |
| 7 | 1/2 | 7 | 7JS05S4-PE | 93770705 |
| | 3/4 | 10 | 7JS07S4-PE | 93770710 |
| | 1 | 13 | 7JS1S4-PE | 93770715 |
| | 1.5 | 18 | 7JS15S4-PE | 93770720 |
| | 2 | 24 | 7JS2S4-PE | 93770725 |
| | 3 | 32 | 7JS3S4-PE | 93770730 |
| 10 | 1/2 | 6 | 10JS05S4-PE | 93771005 |
| | 3/4 | 8 | 10JS07S4-PE | 93771010 |
| | 1 | 11 | 10JS1S4-PE | 93771015 |
| | 1.5 | 15 | 10JS15S4-PE | 93771020 |
| | 2 | 18 | 10JS2S4-PE | 93771025 |
| | 3 | 24 | 10JS3S4-PE | 93771030 |
| | 5 | 39 | 10JS5S4-PE | 93771035 |
| 15 | 1/2 | 4 | 15JS05S4-PE | 93771505 |
| | 3/4 | 6 | 15JS07S4-PE | 93771510 |
| | 1 | 8 | 15JS1S4-PE | 93771515 |
| | 1.5 | 11 | 15JS15S4-PE | 93771520 |
| | 2 | 14 | 15JS2S4-PE | 93771525 |
| | 3 | 19 | 15JS3S4-PE | 93771530 |
| | 5 | 31 | 15JS5S4-PE | 93771535 |
| 20 | 3/4 | 5 | 20JS07S4-PE | 93772010 |
| | 1 | 7 | 20JS1S4-PE | 93772015 |
| | 1.5 | 9 | 20JS15S4-PE | 93772020 |
| | 2 | 12 | 20JS2S4-PE | 93772025 |
| | 3 | 16 | 20JS3S4-PE | 93772030 |
| | 5 | 26 | 20JS5S4-PE | 93772035 |
| 25 | 1 | 6 | 25JS1S4-PE | 93772515 |
| | 1.5 | 8 | 25JS15S4-PE | 93772520 |
| | 2 | 10 | 25JS2S4-PE | 93772525 |
| | 3 | 14 | 25JS3S4-PE | 93772530 |
| | 5 | 23 | 25JS5S4-PE | 93772535 |

5 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

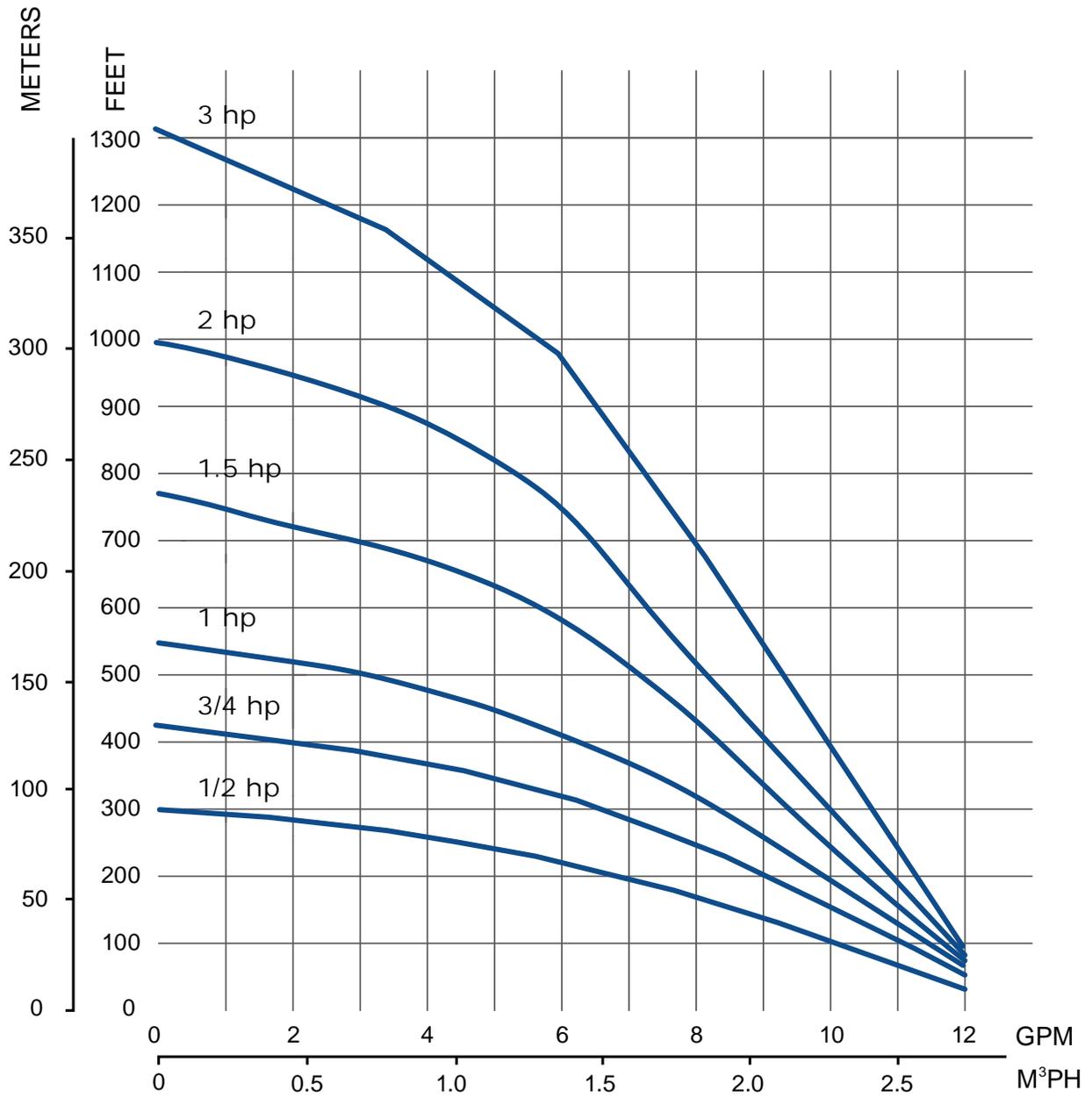
5 GPM TRI-SEAL Performance Chart

Capacities in U.S. Gallons per Minute:

| HP | PSI | DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|--|
| | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 260 | 300 | 360 | 400 | 440 | 480 | 500 | 600 | 700 | | 800 | 900 | 1000 | |
| 1/2 | 0 | - | - | - | - | - | - | 7 | 7 | 6 | 6 | 5 | 4 | | | | | | | | | | | | Shut-off 315 ft | |
| | 20 | - | - | - | - | 8 | 7 | 6 | 6 | 5 | 5 | 3 | 2 | | | | | | | | | | | | | |
| | 30 | - | - | - | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 2 | | | | | | | | | | | | | | |
| | 40 | - | - | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 3 | | | | | | | | | | | | | | | |
| | 50 | - | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 2 | | | | | | | | | | | | | | | | |
| | 60 | 7 | 7 | 6 | 6 | 5 | 4 | 4 | 2 | | | | | | | | | | | | | | | | | |
| | 80 | 6 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 127 | 119 | 110 | 101 | 93 | 84 | 75 | 67 | 58 | 49 | 32 | 23 | | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | Shut-off 495 ft | |
| | 20 | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 5 | 4 | 3 | | | | | | | | | | | |
| | 30 | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 3 | | | | | | | | | | | |
| | 40 | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 4 | 2 | | | | | | | | | | | |
| | 50 | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | | | | | | | | | | | | |
| | 60 | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 3 | | | | | | | | | | | | |
| | 80 | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 5 | 4 | 3 | 3 | | | | | | | | | | | | | |
| Shut-off psi | | 205 | 196 | 188 | 179 | 171 | 162 | 153 | 145 | 136 | 127 | 110 | 101 | 84 | 58 | 41 | 23 | | | | | | | | | |
| 1 | 0 | - | - | - | - | - | - | - | - | - | - | 8 | 7 | 6 | 6 | 5 | 4 | 4 | | | | | | | Shut-off 615 ft | |
| | 20 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 6 | 5 | 5 | 3 | 2 | | | | | | | | |
| | 40 | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | |
| | 50 | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 4 | 3 | | | | | | | | | | | |
| | 60 | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 4 | | | | | | | | | | | |
| | 80 | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 5 | 5 | 4 | | | | | | | | | | | | |
| Shut-off psi | | 257 | 248 | 240 | 231 | 222 | 214 | 205 | 197 | 188 | 179 | 162 | 153 | 136 | 110 | 93 | 75 | 58 | 49 | | | | | | | |
| 1.5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 5 | 4 | 2 | | | | | Shut-off 835 ft | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 5 | 3 | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 4 | 3 | | | | | |
| | 40 | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 4 | 2 | | | | | |
| | 50 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 5 | 3 | | | | | | |
| | 60 | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 5 | 5 | 3 | | | | | | | |
| | 80 | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 5 | 4 | 2 | | | | | | | |
| Shut-off psi | | 352 | 344 | 335 | 326 | 318 | 309 | 300 | 292 | 283 | 274 | 257 | 249 | 231 | 205 | 188 | 171 | 153 | 145 | 101 | 58 | 15 | | | | |
| 2 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 5 | 4 | 3 | | | Shut-off 1040 ft | | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 5 | 4 | 2 | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 3 | | | | |
| | 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 3 | | | | |
| | 50 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 4 | 3 | | | | |
| | 60 | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 4 | 3 | | | | |
| | 80 | - | - | - | - | - | - | - | - | - | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 5 | 3 | | | | | | |
| Shut-off psi | | 441 | 432 | 424 | 415 | 406 | 398 | 389 | 381 | 372 | 363 | 346 | 337 | 320 | 294 | 277 | 259 | 242 | 233 | 190 | 147 | 104 | 60 | | | |

Note: 1. Performance shown does not include friction loss in the drop pipe.
 2. All performance data is based on rated motor nameplate voltage.

7 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

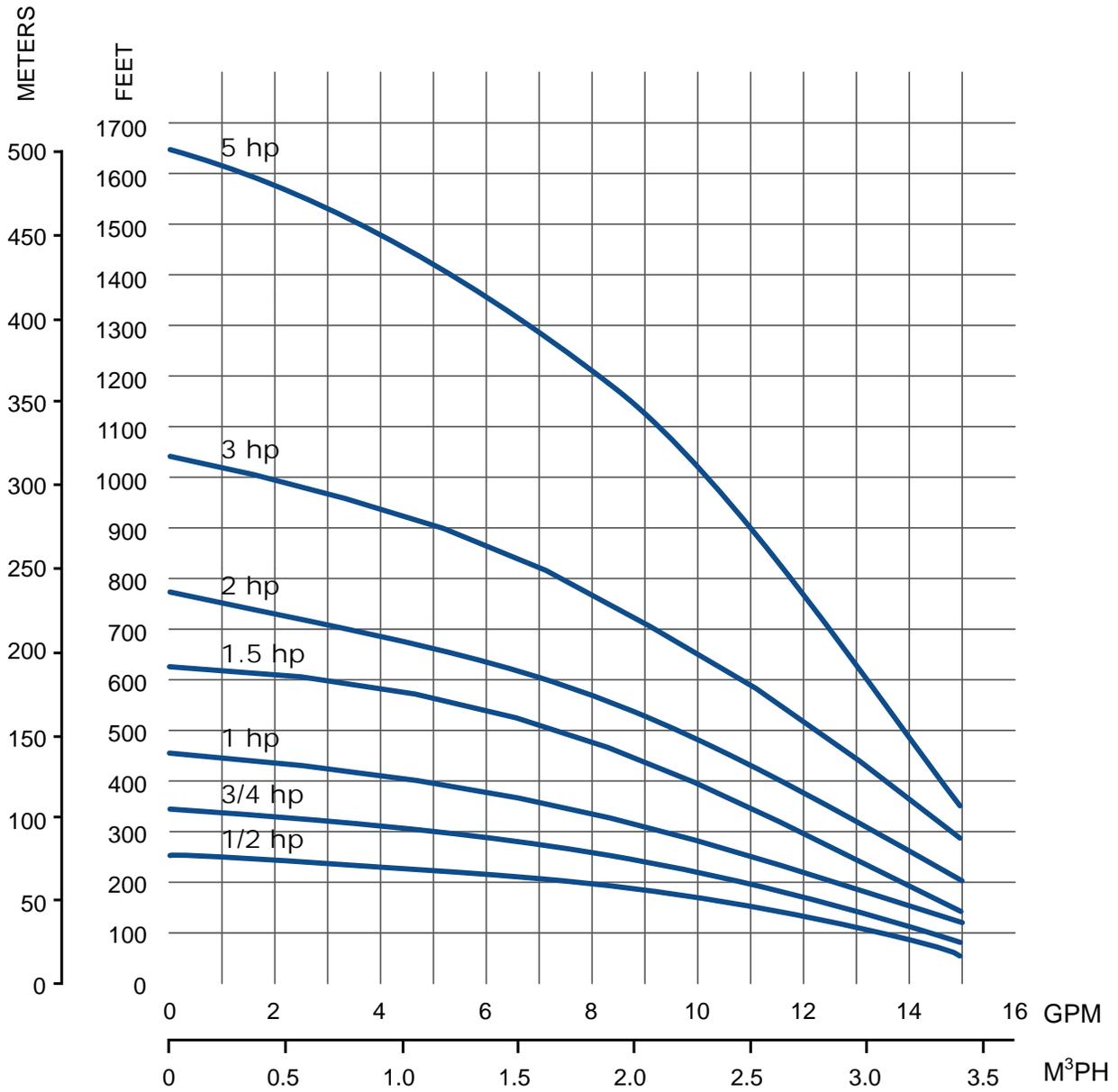
7 GPM TRI-SEAL Performance Chart

Capacities in U.S. Gallons per Minute:

| HP | PSI | DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-----|-----|-----|----|-----|-----------------|------------------|
| | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 260 | 300 | 360 | 400 | 440 | 480 | 500 | 600 | 700 | | 800 | 900 | 1000 |
| 1/2 | 0 | - | - | 11 | 10 | 10 | 9 | 9 | 8 | 7 | 6 | 5 | 4 | | | | | | | | | | | | Shut-off 300 ft |
| | 20 | 11 | 10 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 4 | | | | | | | | | | | | | | |
| | 30 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | |
| | 40 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | | |
| | 50 | 9 | 8 | 7 | 7 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | | | |
| | 60 | 8 | 7 | 6 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | | | | |
| | 80 | 6 | 5 | 4 | 3 | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 121 | 112 | 103 | 95 | 86 | 77 | 69 | 60 | 52 | 43 | 26 | 17 | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | 11 | 11 | 10 | 10 | 9 | 9 | 9 | 8 | 7 | 6 | 4 | | | | | | | | | | Shut-off 422 ft |
| | 20 | - | 11 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 4 | | | | | | | | | | | |
| | 30 | 11 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 3 | | | | | | | | | | | |
| | 40 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 4 | | | | | | | | | | | | |
| | 50 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 4 | 3 | | | | | | | | | | | | |
| | 60 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 3 | | | | | | | | | | | | | |
| | 80 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | 4 | 3 | | | | | | | | | | | | | | |
| Shut-off psi | | 174 | 165 | 156 | 148 | 139 | 130 | 122 | 113 | 104 | 96 | 78 | 70 | 52 | 26 | | | | | | | | | | |
| 1 | 0 | - | - | - | - | 11 | 11 | 10 | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 3 | 3 | | | | | | Shut-off 544 ft |
| | 20 | - | - | - | 11 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 6 | 5 | 3 | | | | | | | | |
| | 30 | - | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 4 | | | | | | | | |
| | 40 | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 4 | 3 | | | | | | | | | |
| | 50 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | | | | | | | | | | |
| | 60 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 3 | | | | | | | | | | |
| | 80 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 5 | 5 | 3 | | | | | | | | | | | |
| Shut-off psi | | 226 | 218 | 209 | 200 | 192 | 183 | 174 | 166 | 157 | 148 | 131 | 123 | 105 | 79 | 62 | 45 | 27 | 18 | | | | | | |
| 1.5 | 0 | - | - | - | - | - | - | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 5 | 2 | | | Shut-off 765 ft | |
| | 20 | - | - | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 4 | | | | |
| | 30 | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 3 | | | | | |
| | 40 | - | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 3 | | | | | |
| | 50 | 11 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 6 | 5 | 5 | | | | | | |
| | 60 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 4 | | | | | | |
| | 80 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 5 | 4 | 3 | | | | | | |
| Shut-off psi | | 322 | 313 | 305 | 296 | 287 | 279 | 270 | 261 | 253 | 244 | 227 | 218 | 201 | 175 | 158 | 140 | 123 | 114 | 71 | 28 | | | | |
| 2 | 0 | - | - | - | - | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | Shut-off 995 ft | |
| | 20 | - | - | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 6 | 4 | | |
| | 30 | - | - | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 6 | 5 | 4 | | |
| | 40 | - | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 5 | 3 | | |
| | 50 | - | - | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 5 | 3 | | |
| | 60 | - | 11 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 4 | | | | |
| | 80 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 6 | 6 | 5 | 3 | | | | | |
| Shut-off psi | | 421 | 412 | 404 | 395 | 386 | 378 | 369 | 360 | 352 | 343 | 326 | 317 | 300 | 274 | 257 | 239 | 222 | 213 | 170 | 127 | 84 | 40 | | |
| HP | PSI | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | | | | | | | | | | |
| 3 | 0 | - | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 4 | 2 | | | | | | | | | | | | Shut-off 1310 ft |
| | 20 | 11 | 10 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 5 | 3 | | | | | | | | | | | | | |
| | 30 | 11 | 10 | 9 | 9 | 8 | 8 | 7 | 6 | 6 | 4 | 3 | | | | | | | | | | | | | |
| | 40 | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 5 | 4 | | | | | | | | | | | | | | |
| | 50 | 10 | 10 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 4 | | | | | | | | | | | | | | |
| | 60 | 10 | 10 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 3 | | | | | | | | | | | | | | |
| | 80 | 10 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 4 | 2 | | | | | | | | | | | | | | |
| Shut-off psi | | 523 | 480 | 437 | 394 | 350 | 307 | 264 | 221 | 177 | 134 | 91 | 48 | | | | | | | | | | | | |

Note: 1. Performance shown does not include friction loss in the drop pipe.
 2. All performance data is based on rated motor nameplate voltage.

10 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

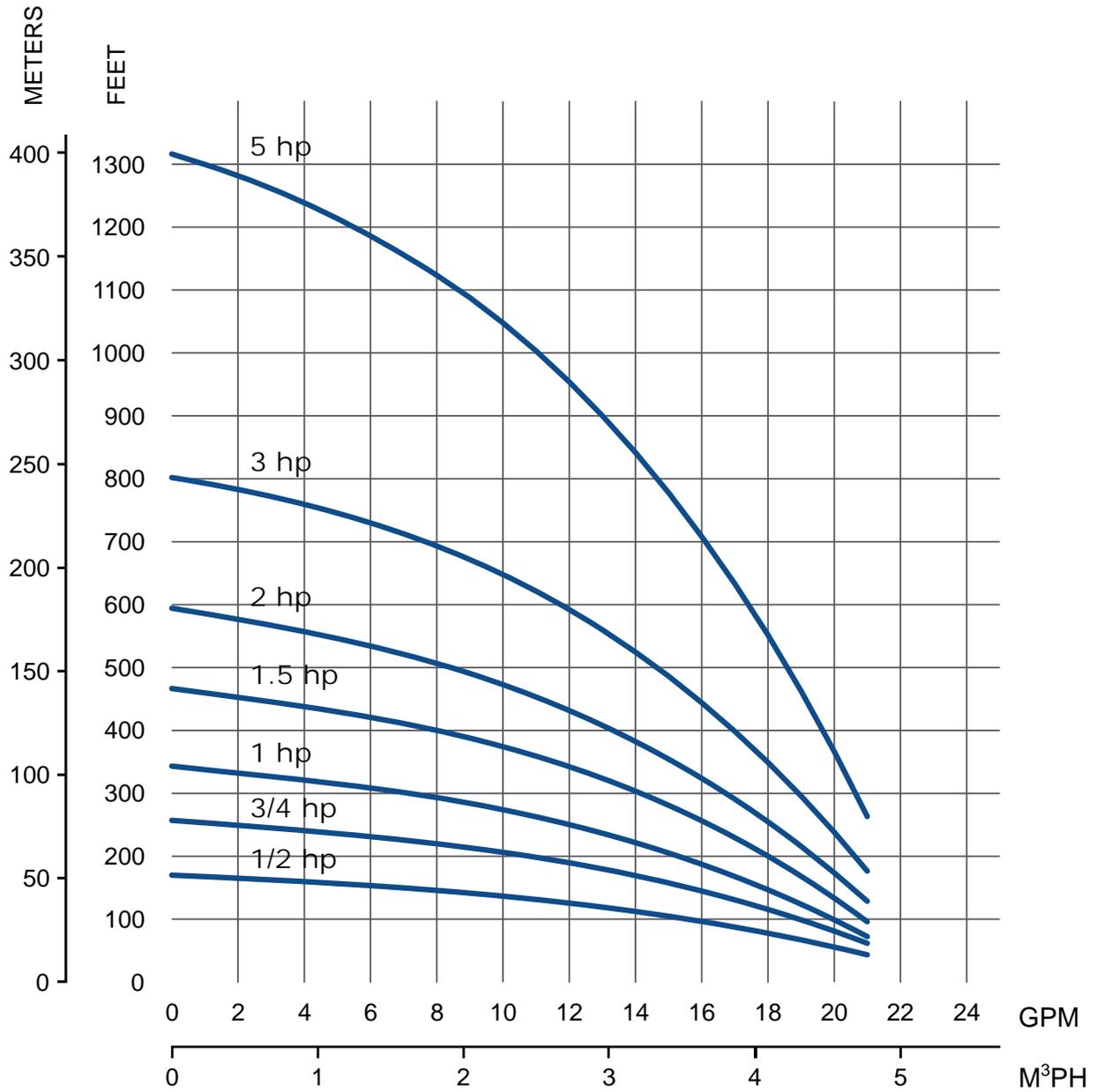
10 GPM TRI-SEAL Performance Chart

Capacities in U.S. Gallons per Minute:

| HP | PSI | DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------------------|--|
| | | SHADED AREAS INDICATE MOST EFFICIENT PERFORMANCE | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 260 | 300 | 360 | 400 | 440 | 480 | 500 | 600 | 700 | 800 | 900 | 1000 | | |
| 1/2 | 0 | - | - | - | 14 | 13 | 12 | 11 | 10 | 9 | 7 | | | | | | | | | | | | | | Shut-off 244 ft | |
| | 20 | 14 | 13 | 13 | 12 | 11 | 10 | 8 | 6 | 3 | | | | | | | | | | | | | | | | |
| | 30 | 13 | 13 | 12 | 11 | 10 | 8 | 6 | 3 | | | | | | | | | | | | | | | | | |
| | 40 | 13 | 12 | 11 | 10 | 8 | 6 | 3 | | | | | | | | | | | | | | | | | | |
| | 50 | 12 | 11 | 9 | 8 | 5 | 3 | | | | | | | | | | | | | | | | | | | |
| | 60 | 11 | 10 | 7 | 5 | | | | | | | | | | | | | | | | | | | | | |
| | 80 | 8 | 6 | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 97 | 88 | 80 | 71 | 62 | 54 | 45 | 36 | 28 | 19 | | | | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | - | 14 | 13 | 13 | 12 | 11 | 10 | 7 | 8 | 4 | | | | | | | | | | | Shut-off 338 ft | |
| | 20 | - | 14 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 8 | 6 | 4 | | | | | | | | | | | | | |
| | 30 | 14 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 3 | | | | | | | | | | | | | | |
| | 40 | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | | | | | | | | | | | | | | | |
| | 50 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 5 | 3 | | | | | | | | | | | | | | | |
| | 60 | 12 | 11 | 11 | 10 | 9 | 8 | 6 | 5 | | | | | | | | | | | | | | | | | |
| | 80 | 11 | 10 | 9 | 8 | 6 | 5 | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 137 | 129 | 120 | 111 | 103 | 94 | 85 | 77 | 68 | 59 | 42 | 34 | 16 | | | | | | | | | | | | |
| 1 | 0 | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 7 | 4 | | | | | | | | | Shut-off 444 ft | |
| | 20 | - | - | - | - | 14 | 13 | 13 | 12 | 11 | 11 | 9 | 9 | 7 | 3 | | | | | | | | | | | |
| | 30 | - | - | - | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 6 | | | | | | | | | | | | |
| | 40 | - | - | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 5 | | | | | | | | | | | | |
| | 50 | - | 14 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 6 | | | | | | | | | | | | | |
| | 60 | 13 | 12 | 12 | 11 | 11 | 10 | 10 | 9 | 8 | 8 | 5 | 4 | | | | | | | | | | | | | |
| | 80 | 12 | 12 | 11 | 10 | 10 | 9 | 8 | 7 | 6 | 5 | | | | | | | | | | | | | | | |
| Shut-off psi | | 183 | 174 | 157 | 148 | 140 | 131 | 123 | 114 | 105 | 97 | 79 | 71 | 53 | 27 | 10 | | | | | | | | | | |
| 1.5 | 0 | - | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 10 | 9 | 9 | 8 | 7 | | | | | | Shut-off 615 ft | |
| | 20 | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 11 | 11 | 9 | 8 | 7 | 6 | 5 | | | | | | | |
| | 30 | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 11 | 10 | 8 | 8 | 6 | 5 | 4 | | | | | | |
| | 40 | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 10 | 10 | 8 | 7 | 6 | 4 | | | | | | | | |
| | 50 | - | - | - | 14 | 13 | 13 | 12 | 12 | 12 | 11 | 10 | 10 | 9 | 8 | 6 | 5 | 3 | | | | | | | | |
| | 60 | - | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 9 | 7 | 6 | 4 | | | | | | | | | | |
| | 80 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 11 | 10 | 10 | 9 | 9 | 8 | 6 | 3 | | | | | | | | | | |
| Shut-off psi | | 257 | 248 | 240 | 231 | 222 | 214 | 205 | 197 | 188 | 179 | 162 | 153 | 136 | 110 | 93 | 75 | 41 | 32 | | | | | | | |
| 2 | 0 | - | - | - | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 11 | 10 | 10 | 9 | 6 | | | | | Shut-off 770 ft | |
| | 20 | - | - | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 8 | 8 | 5 | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 10 | 10 | 9 | 8 | 8 | 4 | | | | | | |
| | 40 | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 11 | 10 | 9 | 9 | 8 | 7 | 3 | | | | | | |
| | 50 | - | - | - | - | - | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 6 | | | | | | | |
| | 60 | - | - | - | - | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | | | | | | | |
| | 80 | - | - | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 8 | 8 | 6 | 4 | 4 | | | | | | | | |
| Shut-off psi | | 324 | 316 | 307 | 298 | 290 | 281 | 272 | 264 | 255 | 246 | 229 | 220 | 203 | 177 | 160 | 143 | 125 | 117 | 73 | | | | | | |
| 3 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 11 | 9 | 7 | 5 | | Shut-off 1034 ft | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | - | 14 | 13 | 13 | 12 | 12 | 12 | 10 | 8 | 6 | 3 | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | - | 14 | 14 | 13 | 13 | 12 | 12 | 11 | 10 | 8 | 5 | | | |
| | 40 | - | - | - | - | - | - | - | - | - | - | 14 | 14 | 13 | 13 | 12 | 12 | 11 | 11 | 9 | 7 | 4 | | | | |
| | 50 | - | - | - | - | - | - | - | - | - | 14 | 14 | 14 | 13 | 12 | 12 | 12 | 11 | 11 | 9 | 7 | 4 | | | | |
| | 60 | - | - | - | - | - | - | - | - | 14 | 14 | 14 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 9 | 6 | 3 | | | | |
| | 80 | - | - | - | - | - | - | - | 14 | 14 | 13 | 13 | 13 | 12 | 12 | 11 | 11 | 10 | 10 | 8 | 5 | | | | | |
| Shut-off psi | | 438 | 430 | 421 | 413 | 404 | 395 | 387 | 378 | 369 | 361 | 343 | 335 | 317 | 291 | 274 | 257 | 240 | 231 | 188 | 144 | 101 | 58 | | | |
| 5 | 0 | - | - | - | 14 | 13 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 6 | 5 | | | | | | | | | | Shut-off 1648 ft | |
| | 20 | - | - | - | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 4 | | | | | | | | | | | |
| | 30 | - | - | - | 14 | 13 | 12 | 12 | 11 | 10 | 9 | 8 | 7 | 5 | 4 | | | | | | | | | | | |
| | 40 | - | - | - | 14 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 5 | 3 | | | | | | | | | | | |
| | 50 | - | - | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 9 | 7 | 6 | 5 | 3 | | | | | | | | | | | |
| | 60 | - | - | 14 | 13 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 4 | | | | | | | | | | | | |
| | 80 | - | 14 | 14 | 13 | 12 | 11 | 11 | 10 | 9 | 8 | 7 | 5 | 3 | | | | | | | | | | | | |
| Shut-off psi | | 670 | 626 | 583 | 540 | 497 | 453 | 410 | 367 | 324 | 280 | 237 | 194 | 151 | 107 | | | | | | | | | | | |

Note: 1. Performance shown does not include friction loss in the drop pipe.
 2. All performance data is based on rated motor nameplate voltage.

15 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

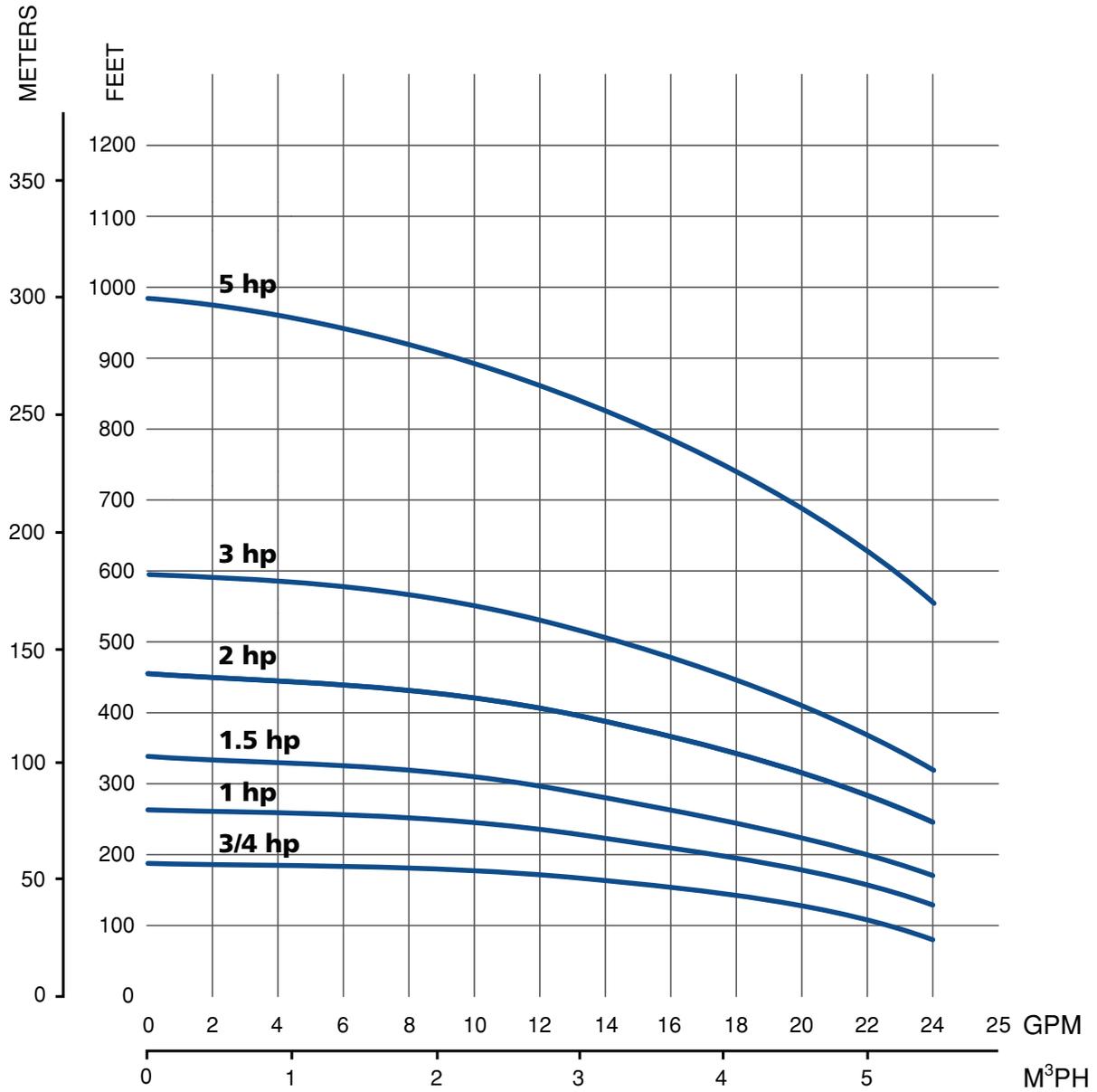
15 GPM TRI-SEAL Performance Chart

Capacities in U.S. Gallons per Minute:

| 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 | 1050 | 1100 | | | |
| 1/2 | 0 | - | - | 20 | 18 | 16 | 13 | 9 | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | 19 | 17 | 15 | 12 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 17 | 14 | 11 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | 14 | 11 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 10 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 65 | 56 | 48 | 39 | 30 | 22 | 13 | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 3/4 | 0 | - | - | - | 20 | 19 | 18 | 16 | 15 | 13 | 11 | | | | | | | | | | | | | | | | | | | | | |
| | 20 | 21 | 20 | 19 | 17 | 16 | 14 | 12 | 10 | 7 | 3 | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 20 | 18 | 17 | 16 | 14 | 12 | 10 | 6 | | | | | | | | | | | | | | | | | | | | | | | |
| | 40 | 18 | 17 | 15 | 14 | 12 | 9 | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 17 | 15 | 13 | 11 | 9 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 15 | 13 | 11 | 8 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 13 | 11 | 8 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 103 | 94 | 85 | 77 | 68 | 59 | 51 | 42 | 33 | 25 | 3 | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | - | - | - | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 12 | 7 | | | | | | | | | | | | | | | | | | | |
| | 20 | - | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 12 | 8 | | | | | | | | | | | | | | | | | | | | |
| | 30 | 20 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 12 | 10 | 4 | | | | | | | | | | | | | | | | | | | | |
| | 40 | 19 | 19 | 18 | 17 | 16 | 15 | 13 | 12 | 10 | 8 | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 18 | 18 | 17 | 16 | 14 | 13 | 12 | 10 | 8 | 5 | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 17 | 16 | 15 | 14 | 13 | 11 | 10 | 7 | 4 | | | | | | | | | | | | | | | | | | | | | | |
| | 70 | 16 | 15 | 14 | 13 | 11 | 9 | 7 | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 140 | 131 | 123 | 114 | 105 | 97 | 88 | 79 | 71 | 62 | 40 | 19 | | | | | | | | | | | | | | | | | | | |
| 1.5 | 0 | - | - | - | - | 21 | 20 | 19 | 18 | 17 | 16 | 14 | 12 | 8 | | | | | | | | | | | | | | | | | | |
| | 20 | - | - | 21 | 20 | 20 | 19 | 18 | 18 | 17 | 16 | 14 | 12 | 8 | 3 | | | | | | | | | | | | | | | | | |
| | 30 | - | 21 | 20 | 20 | 19 | 18 | 18 | 17 | 16 | 15 | 13 | 10 | 6 | | | | | | | | | | | | | | | | | | |
| | 40 | 21 | 20 | 19 | 19 | 18 | 18 | 17 | 16 | 15 | 15 | 12 | 9 | 3 | | | | | | | | | | | | | | | | | | |
| | 50 | 20 | 19 | 19 | 18 | 17 | 17 | 16 | 15 | 14 | 13 | 11 | 7 | | | | | | | | | | | | | | | | | | | |
| | 60 | 19 | 19 | 18 | 17 | 17 | 16 | 15 | 14 | 13 | 12 | 9 | 4 | | | | | | | | | | | | | | | | | | | |
| | 70 | 19 | 18 | 17 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 7 | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 194 | 185 | 176 | 168 | 159 | 150 | 141 | 133 | 124 | 115 | 94 | 72 | 50 | 29 | 7 | | | | | | | | | | | | | | | | |
| 2 | 0 | - | - | - | - | - | 21 | 20 | 20 | 19 | 18 | 17 | 15 | 13 | 11 | 8 | 5 | | | | | | | | | | | | | | | |
| | 20 | - | - | - | - | 21 | 20 | 20 | 19 | 19 | 18 | 17 | 15 | 13 | 11 | 9 | 5 | | | | | | | | | | | | | | | |
| | 30 | - | - | 21 | 21 | 20 | 20 | 19 | 19 | 18 | 18 | 16 | 14 | 13 | 10 | 7 | 3 | | | | | | | | | | | | | | | |
| | 40 | - | 21 | 20 | 20 | 20 | 19 | 19 | 18 | 18 | 17 | 15 | 14 | 12 | 9 | 5 | | | | | | | | | | | | | | | | |
| | 50 | 21 | 20 | 20 | 19 | 19 | 19 | 18 | 17 | 17 | 16 | 15 | 13 | 10 | 7 | 3 | | | | | | | | | | | | | | | | |
| | 60 | 20 | 20 | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 16 | 14 | 12 | 9 | 6 | | | | | | | | | | | | | | | | | |
| | 70 | 20 | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 15 | 15 | 13 | 11 | 8 | 4 | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 249 | 240 | 231 | 223 | 214 | 205 | 197 | 188 | 179 | 171 | 149 | 127 | 106 | 84 | 62 | 41 | 19 | | | | | | | | | | | | | | |
| 3 | 0 | - | - | - | - | - | - | 21 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 13 | 12 | 10 | 8 | 5 | | | | | | | | | | | | |
| | 20 | - | - | - | - | - | 21 | 20 | 20 | 20 | 19 | 18 | 17 | 16 | 15 | 13 | 12 | 10 | 8 | 5 | | | | | | | | | | | | |
| | 30 | - | - | - | - | - | 21 | 20 | 20 | 20 | 19 | 19 | 18 | 17 | 15 | 14 | 13 | 11 | 9 | 7 | 3 | | | | | | | | | | | |
| | 40 | - | - | - | - | 21 | 20 | 20 | 20 | 19 | 19 | 18 | 17 | 16 | 15 | 13 | 12 | 10 | 8 | 5 | | | | | | | | | | | | |
| | 50 | - | - | - | 21 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 17 | 15 | 14 | 13 | 11 | 9 | 7 | 3 | | | | | | | | | | | | |
| | 60 | - | 21 | 21 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 17 | 16 | 15 | 14 | 12 | 10 | 8 | 5 | | | | | | | | | | | | | |
| | 70 | 21 | 21 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 18 | 17 | 16 | 14 | 13 | 11 | 9 | 7 | 4 | | | | | | | | | | | | | |
| Shut-off psi | | 339 | 330 | 321 | 313 | 304 | 295 | 287 | 278 | 269 | 261 | 239 | 217 | 196 | 174 | 152 | 131 | 109 | 87 | 66 | 44 | 22 | 1 | | | | | | | | | |
| 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | 21 | 20 | 20 | 19 | 19 | 18 | 17 | 17 | 16 | 15 | 15 | 14 | 13 | 12 | 11 | 10 | | | | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | 21 | 20 | 20 | 19 | 19 | 18 | 17 | 17 | 16 | 15 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | 21 | 20 | 20 | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 15 | 14 | 14 | 13 | 12 | 11 | 9 | 8 | | |
| | 40 | - | - | - | - | - | - | - | - | - | - | 21 | 21 | 20 | 20 | 19 | 19 | 18 | 18 | 17 | 16 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 7 | | |
| | 50 | - | - | - | - | - | - | - | - | - | 21 | 21 | 20 | 20 | 19 | 19 | 18 | 18 | 17 | 17 | 16 | 15 | 14 | 14 | 13 | 12 | 11 | 10 | 8 | 7 | | |
| | 60 | - | - | - | - | - | - | - | 21 | 21 | 20 | 20 | 20 | 19 | 19 | 18 | 18 | 17 | 16 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 6 | | | |
| | 70 | - | - | - | - | - | 21 | 21 | 20 | 20 | 20 | 20 | 19 | 18 | 18 | 17 | 17 | 16 | 15 | 14 | 14 | 13 | 12 | 11 | 10 | 8 | 7 | 5 | | | | |
| Shut-off psi | | - | - | - | - | - | 518 | 509 | 501 | 492 | 483 | 462 | 440 | 418 | 397 | 375 | 353 | 332 | 310 | 288 | 267 | 245 | 223 | 202 | 180 | 158 | 137 | 115 | | | | |

Note: 1. Performance shown does not include friction loss in the drop pipe.
 2. All performance data is based on rated motor nameplate voltage.

20 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

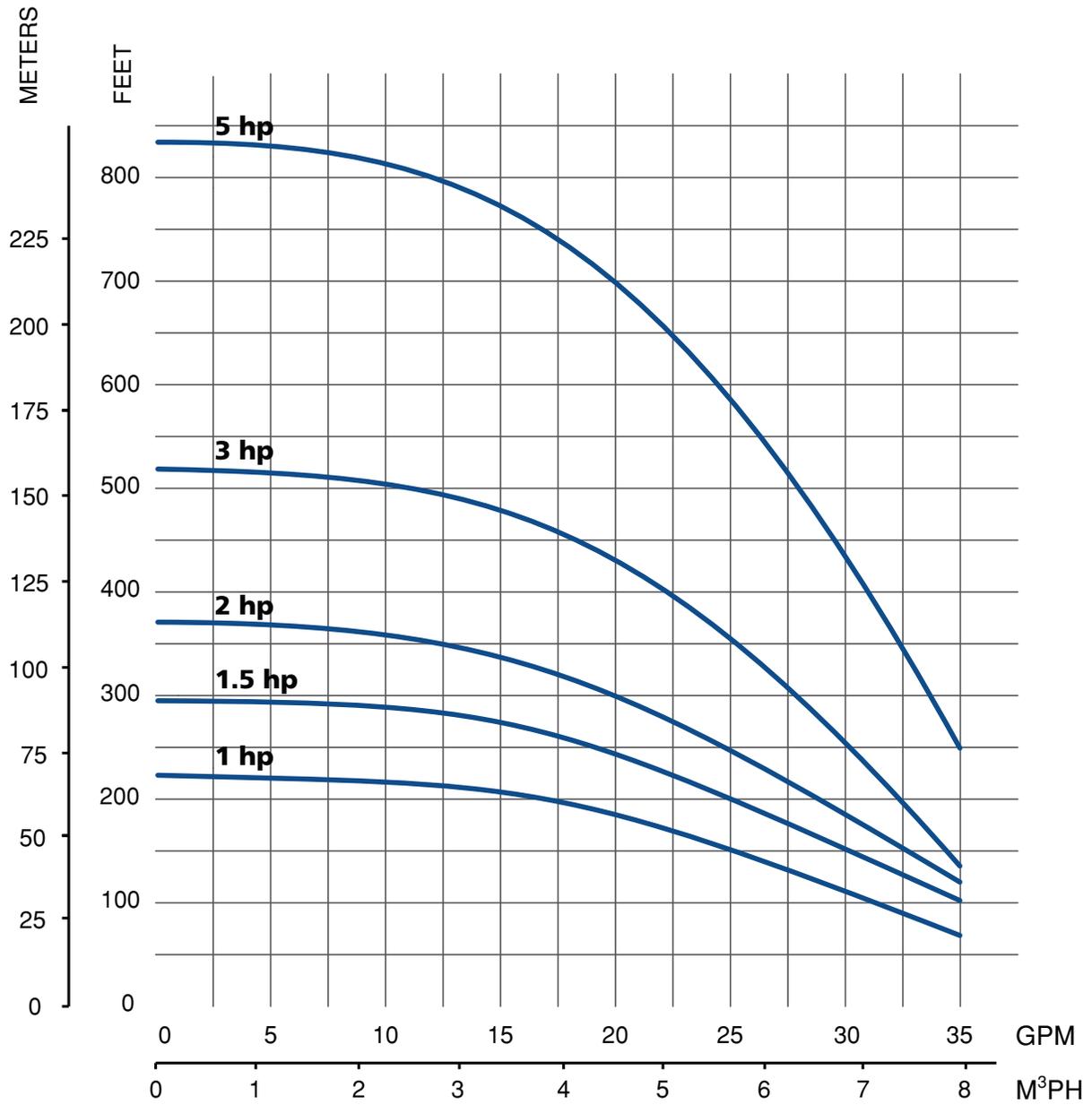
20 GPM TRI-SEAL Performance Chart

Capacities in U.S. Gallons per Minute:

| HP | PSI | DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|--------------------|--------------------|
| | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 260 | 300 | 360 | 400 | 440 | 480 | 500 | 600 | 700 | | 800 | 900 | 1000 |
| 3/4 | 0 | - | - | - | 24 | 22 | 21 | 18 | 14 | | | | | | | | | | | | | | | | Shut-off 190 ft |
| | 20 | - | 23 | 21 | 19 | 17 | 12 | | | | | | | | | | | | | | | | | | |
| | 30 | 23 | 21 | 19 | 17 | 11 | | | | | | | | | | | | | | | | | | | |
| | 40 | 21 | 19 | 17 | 10 | | | | | | | | | | | | | | | | | | | | |
| | 50 | 19 | 16 | 10 | | | | | | | | | | | | | | | | | | | | | |
| | 60 | 14 | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 74 | 65 | 56 | 48 | 39 | 30 | 22 | 13 | | | | | | | | | | | | | | | | |
| 1 | 0 | - | - | - | - | - | 24 | 23 | 21 | 19 | 17 | | | | | | | | | | | | | Shut-off 262 ft | |
| | 20 | - | - | - | 24 | 22 | 20 | 19 | 16 | 13 | | | | | | | | | | | | | | | |
| | 30 | - | - | 24 | 22 | 20 | 19 | 16 | 12 | | | | | | | | | | | | | | | | |
| | 40 | 24 | 23 | 22 | 20 | 18 | 16 | 12 | | | | | | | | | | | | | | | | | |
| | 50 | 23 | 22 | 20 | 18 | 14 | 11 | | | | | | | | | | | | | | | | | | |
| | 60 | 21 | 19 | 17 | 14 | 10 | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 105 | 96 | 87 | 79 | 70 | 62 | 53 | 44 | 36 | 27 | | | | | | | | | | | | | | |
| 1.5 | 0 | - | - | - | - | - | - | 24 | 23 | 21 | 18 | 16 | 11 | | | | | | | | | | | Shut-off 340 ft | |
| | 20 | - | - | - | - | - | 24 | 22 | 21 | 19 | 17 | 13 | 10 | | | | | | | | | | | | |
| | 30 | - | - | - | - | 24 | 22 | 21 | 19 | 17 | 15 | 10 | | | | | | | | | | | | | |
| | 40 | - | - | - | 24 | 22 | 21 | 19 | 17 | 15 | 12 | | | | | | | | | | | | | | |
| | 50 | - | 24 | 23 | 22 | 20 | 18 | 16 | 14 | 11 | | | | | | | | | | | | | | | |
| | 60 | 24 | 23 | 22 | 20 | 18 | 16 | 14 | 11 | | | | | | | | | | | | | | | | |
| Shut-off psi | | 139 | 130 | 121 | 113 | 104 | 95 | 87 | 78 | 69 | 61 | 43 | 35 | 17 | | | | | | | | | | | |
| 2 | 0 | - | - | - | - | - | - | - | - | - | 24 | 23 | 20 | 16 | 12 | | | | | | | | | Shut-off 453 ft | |
| | 20 | - | - | - | - | - | - | - | - | 24 | 21 | 20 | 17 | 12 | | | | | | | | | | | |
| | 30 | - | - | - | - | - | - | 24 | 23 | 22 | 20 | 19 | 16 | | | | | | | | | | | | |
| | 40 | - | - | - | - | - | 24 | 23 | 22 | 21 | 19 | 17 | 14 | | | | | | | | | | | | |
| | 50 | - | - | - | - | 24 | 23 | 22 | 20 | 19 | 16 | 14 | 10 | | | | | | | | | | | | |
| | 60 | - | - | - | 24 | 23 | 22 | 20 | 19 | 18 | 14 | 12 | | | | | | | | | | | | | |
| Shut-off psi | | 187 | 179 | 170 | 162 | 153 | 144 | 136 | 127 | 118 | 110 | 92 | 84 | 66 | 40 | 23 | | | | | | | | | |
| 3 | 0 | - | - | - | - | - | - | - | - | - | - | 24 | 22 | 20 | 18 | 16 | 14 | | | | | | | Shut-off 601 ft | |
| | 20 | - | - | - | - | - | - | - | - | - | 24 | 23 | 20 | 17 | 15 | 12 | 10 | | | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | 24 | 23 | 21 | 18 | 16 | 13 | 10 | | | | | | | | |
| | 40 | - | - | - | - | - | - | - | - | 24 | 23 | 22 | 20 | 17 | 14 | 11 | | | | | | | | | |
| | 50 | - | - | - | - | - | - | 24 | 24 | 22 | 21 | 19 | 16 | 13 | | | | | | | | | | | |
| | 60 | - | - | - | - | - | 24 | 24 | 23 | 21 | 20 | 18 | 14 | 10 | | | | | | | | | | | |
| Shut-off psi | | 251 | 242 | 234 | 225 | 216 | 208 | 199 | 191 | 182 | 173 | 156 | 147 | 130 | 104 | 87 | 69 | 52 | 43 | | | | | | |
| 5 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24 | 23 | 20 | 16 | | | | | Shut-off 982 ft | |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24 | 21 | 18 | 13 | | | | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24 | 23 | 20 | 17 | 11 | | | | | |
| | 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24 | 23 | 20 | 16 | 10 | | | | | |
| | 50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24 | 22 | 22 | 17 | 15 | | | | | |
| | 60 | - | - | - | - | - | - | - | - | - | - | - | - | - | 24 | 23 | 22 | 21 | 18 | 14 | | | | | |
| Shut-off psi | | 416 | 408 | 399 | 391 | 382 | 373 | 365 | 356 | 347 | 339 | 321 | 313 | 295 | 269 | 252 | 235 | 217 | 209 | 165 | 122 | 79 | | | |

Note: 1. Performance shown does not include friction loss in the drop pipe.
 2. All performance data is based on rated motor nameplate voltage.

25 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

25 GPM TRI-SEAL Performance Chart

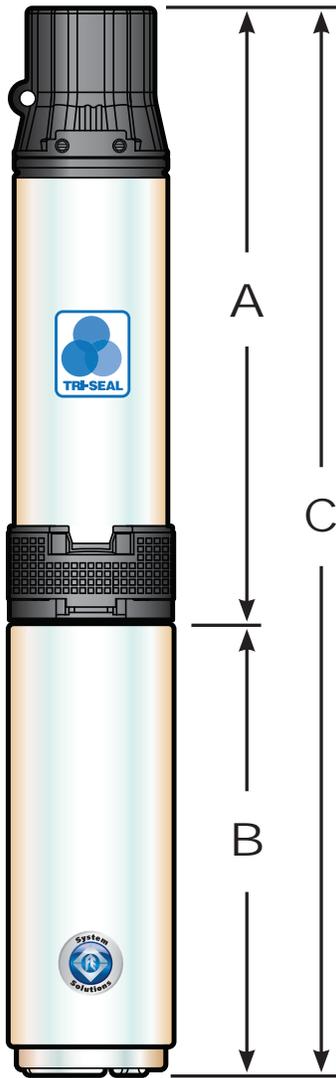
Capacities in U.S. Gallons per Minute:

| HP | PSI | DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----------------|
| | | SHADED AREAS INDICATE MOST EFFICIENT PERFORMANCE | | | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 260 | 300 | 360 | 400 | 440 | 480 | 500 | 600 | 700 | 800 | 900 | 1000 | |
| 1 | 0 | - | - | 35 | 33 | 31 | 28 | 26 | 24 | 21 | 17 | | | | | | | | | | | | | | Shut-off 222 ft |
| | 20 | 35 | 32 | 30 | 28 | 25 | 22 | 18 | 15 | | | | | | | | | | | | | | | | |
| | 30 | 32 | 29 | 27 | 25 | 22 | 19 | | | | | | | | | | | | | | | | | | |
| | 40 | 29 | 27 | 25 | 22 | 19 | | | | | | | | | | | | | | | | | | | |
| | 50 | 26 | 24 | 21 | 16 | | | | | | | | | | | | | | | | | | | | |
| | 60 | 24 | 21 | 17 | | | | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 87 | 79 | 70 | 62 | 53 | 44 | 36 | 27 | 18 | 10 | | | | | | | | | | | | | | |
| 1.5 | 0 | - | - | - | - | 35 | 33 | 31 | 29 | 27 | 25 | 21 | 19 | | | | | | | | | | | | Shut-off 297 ft |
| | 20 | - | - | 34 | 32 | 30 | 28 | 26 | 24 | 22 | 19 | | | | | | | | | | | | | | |
| | 30 | - | 34 | 32 | 30 | 28 | 26 | 24 | 22 | 19 | 16 | | | | | | | | | | | | | | |
| | 40 | 33 | 32 | 29 | 27 | 25 | 23 | 21 | 19 | 15 | | | | | | | | | | | | | | | |
| | 50 | 32 | 29 | 27 | 25 | 23 | 21 | 18 | | | | | | | | | | | | | | | | | |
| | 60 | 29 | 27 | 25 | 23 | 20 | 18 | | | | | | | | | | | | | | | | | | |
| Shut-off psi | | 120 | 111 | 103 | 94 | 85 | 77 | 68 | 59 | 51 | 42 | 25 | 16 | | | | | | | | | | | | |
| 2 | 0 | - | - | - | - | - | 35 | 33 | 32 | 30 | 28 | 25 | 24 | 20 | | | | | | | | | | | Shut-off 375 ft |
| | 20 | - | - | - | 34 | 33 | 31 | 29 | 28 | 26 | 25 | 21 | 20 | | | | | | | | | | | | |
| | 30 | - | - | 34 | 33 | 31 | 29 | 28 | 26 | 24 | 23 | 19 | 17 | | | | | | | | | | | | |
| | 40 | - | 34 | 33 | 31 | 29 | 28 | 26 | 24 | 23 | 21 | 17 | | | | | | | | | | | | | |
| | 50 | 33 | 32 | 30 | 29 | 27 | 26 | 24 | 22 | 20 | 18 | | | | | | | | | | | | | | |
| | 60 | 32 | 30 | 28 | 27 | 26 | 24 | 22 | 20 | 18 | | | | | | | | | | | | | | | |
| Shut-off psi | | 154 | 145 | 136 | 128 | 119 | 110 | 102 | 93 | 84 | 76 | 58 | 50 | 33 | | | | | | | | | | | |
| 3 | 0 | - | - | - | - | - | - | 35 | 34 | 33 | 32 | 30 | 29 | 28 | 24 | 22 | 19 | 15 | | | | | | | Shut-off 519 ft |
| | 20 | - | - | - | - | 34 | 33 | 32 | 32 | 31 | 30 | 28 | 27 | 25 | 22 | 19 | | | | | | | | | |
| | 30 | - | - | - | 34 | 33 | 32 | 32 | 31 | 30 | 29 | 28 | 26 | 25 | 22 | 18 | | | | | | | | | |
| | 40 | - | 35 | 34 | 33 | 32 | 31 | 31 | 30 | 29 | 28 | 27 | 24 | 23 | 21 | 15 | | | | | | | | | |
| | 50 | 35 | 34 | 33 | 32 | 31 | 31 | 30 | 29 | 28 | 27 | 24 | 23 | 21 | 15 | | | | | | | | | | |
| | 60 | 34 | 33 | 32 | 31 | 31 | 30 | 29 | 28 | 26 | 25 | 23 | 22 | 19 | | | | | | | | | | | |
| Shut-off psi | | 216 | 207 | 199 | 190 | 181 | 173 | 164 | 155 | 147 | 138 | 121 | 112 | 95 | 69 | 52 | 34 | 17 | | | | | | | |
| 5 | 0 | - | - | - | - | - | - | - | - | - | - | 35 | 34 | 33 | 32 | 31 | 30 | 28 | 28 | 24 | 20 | | | | Shut-off 833 ft |
| | 20 | - | - | - | - | - | - | - | - | - | - | 35 | 34 | 33 | 32 | 30 | 30 | 28 | 27 | 26 | 22 | 17 | | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | 35 | 34 | 33 | 33 | 31 | 30 | 28 | 27 | 26 | 25 | 21 | 15 | | |
| | 40 | - | - | - | - | - | - | - | - | 35 | 34 | 33 | 32 | 32 | 31 | 29 | 28 | 27 | 25 | 24 | 20 | | | | |
| | 50 | - | - | - | - | - | - | 34 | 34 | 33 | 33 | 32 | 31 | 31 | 30 | 28 | 27 | 25 | 24 | 23 | 19 | | | | |
| | 60 | - | - | - | - | - | 34 | 34 | 33 | 33 | 32 | 31 | 31 | 30 | 28 | 26 | 25 | 23 | 22 | 18 | | | | | |
| Shut-off psi | | 352 | 343 | 335 | 326 | 317 | 309 | 300 | 291 | 283 | 274 | 257 | 248 | 231 | 205 | 187 | 170 | 153 | 144 | 101 | 58 | | | | |

Note: 1. Performance shown does not include friction loss in the drop pipe.
 2. All performance data is based on rated motor nameplate voltage.

Dimensions

Plastic:



Notes: All lengths are in inches
 All weights are in pounds
 Maximum diameter with cable guard is 3.90"
 P.E. – Pump end only
 P.M.A. – Pump and motor assembly

2-Wire Motors:

| GPM | HP | STAGES | A | B | C | P.E. WT. | P.M.A. WT. |
|-----|-----|--------|-------|-------|-------|----------|------------|
| 5 | 1/2 | 8 | 13.74 | 9.51 | 23.25 | 6 | 23 |
| | 3/4 | 12 | 17.03 | 10.64 | 27.67 | 8 | 26 |
| | 1 | 15 | 19.49 | 11.73 | 31.22 | 9 | 27 |
| | 1.5 | 21 | 24.43 | 15.10 | 39.53 | 11 | 33 |
| 7 | 1/2 | 7 | 12.92 | 9.51 | 22.43 | 5 | 22 |
| | 3/4 | 10 | 15.38 | 10.64 | 26.02 | 7 | 25 |
| | 1 | 13 | 17.85 | 11.73 | 29.58 | 8 | 26 |
| | 1.5 | 18 | 21.96 | 15.10 | 37.06 | 11 | 33 |
| 10 | 1/2 | 6 | 12.59 | 9.51 | 22.10 | 5 | 22 |
| | 3/4 | 8 | 14.31 | 10.64 | 24.95 | 6 | 24 |
| | 1 | 11 | 17.06 | 11.73 | 28.79 | 7 | 28 |
| | 1.5 | 15 | 20.68 | 15.10 | 35.78 | 9 | 32 |
| 15 | 1/2 | 4 | 10.87 | 9.51 | 20.38 | 4 | 21 |
| | 3/4 | 6 | 12.59 | 10.64 | 23.23 | 5 | 23 |
| | 1 | 8 | 14.31 | 11.73 | 26.04 | 6 | 27 |
| | 1.5 | 11 | 17.06 | 15.1 | 32.16 | 7 | 30 |
| 20 | 3/4 | 5 | 13.27 | 10.64 | 23.91 | 8 | 23 |
| | 1 | 7 | 15.72 | 11.73 | 27.45 | 9 | 29 |
| | 1.5 | 9 | 18.16 | 15.10 | 33.26 | 10 | 41 |
| 25 | 1 | 6 | 14.50 | 11.73 | 26.23 | 8 | 30 |
| | 1.5 | 8 | 16.94 | 15.10 | 32.04 | 9 | 42 |

3-Wire Motors:

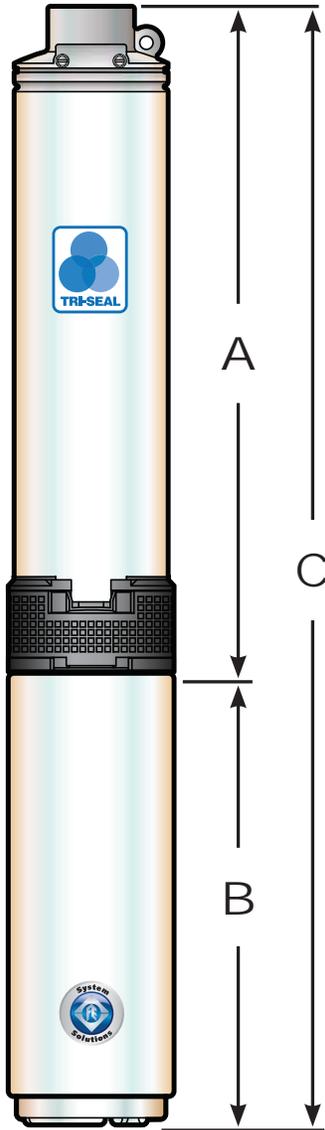
| GPM | HP | STAGES | A | B | C | P.E. WT. | P.M.A. WT. |
|-----|-----|--------|-------|-------|-------|----------|------------|
| 5 | 1/2 | 8 | 13.74 | 9.51 | 23.25 | 6 | 22 |
| | 3/4 | 12 | 17.03 | 10.64 | 27.67 | 8 | 24 |
| | 1 | 15 | 19.49 | 11.73 | 31.22 | 9 | 27 |
| | 1.5 | 21 | 24.43 | 13.60 | 38.03 | 11 | 33 |
| 7 | 1/2 | 7 | 12.92 | 9.51 | 22.43 | 5 | 21 |
| | 3/4 | 10 | 15.38 | 10.64 | 26.02 | 7 | 24 |
| | 1 | 13 | 17.85 | 11.73 | 29.58 | 8 | 25 |
| | 1.5 | 18 | 21.96 | 13.60 | 35.56 | 11 | 32 |
| 10 | 1/2 | 6 | 12.59 | 9.51 | 22.10 | 5 | 22 |
| | 3/4 | 8 | 14.31 | 10.64 | 24.95 | 6 | 24 |
| | 1 | 11 | 17.06 | 11.73 | 28.79 | 7 | 28 |
| | 1.5 | 15 | 20.68 | 13.60 | 34.28 | 9 | 33 |
| 15 | 1/2 | 4 | 10.87 | 9.51 | 20.38 | 4 | 21 |
| | 3/4 | 6 | 12.59 | 10.64 | 23.23 | 5 | 23 |
| | 1 | 8 | 14.31 | 11.73 | 26.04 | 6 | 27 |
| | 1.5 | 11 | 17.06 | 13.6 | 30.66 | 7 | 30 |
| 20 | 3/4 | 8 | 13.27 | 10.64 | 23.91 | 8 | 27 |
| | 1 | 11 | 15.72 | 11.73 | 27.45 | 9 | 29 |
| | 1.5 | 15 | 18.16 | 13.60 | 31.76 | 10 | 40 |
| 25 | 1 | 6 | 14.50 | 11.73 | 26.23 | 8 | 30 |
| | 1.5 | 8 | 16.94 | 13.60 | 30.54 | 9 | 41 |

J-CLASS
 SandHandler

4" Submersible Pumps

Dimensions

Stainless Steel:



Notes: All lengths are in inches
 All weights are in pounds
 Maximum diameter with cable guard is 3.90"
 P.E. – Pump end only
 P.M.A. – Pump and motor assembly

2-Wire Motors:

| GPM | HP | STAGES | A | B | C | P.E. WT. | P.M.A. WT. |
|-----|-----|--------|-------|-------|-------|----------|------------|
| 5 | 1/2 | 8 | 13.57 | 9.51 | 23.08 | 8 | 25 |
| | 3/4 | 12 | 16.86 | 10.64 | 27.50 | 10 | 28 |
| | 1 | 15 | 19.33 | 11.73 | 31.06 | 11 | 29 |
| | 1.5 | 21 | 24.26 | 15.10 | 39.36 | 13 | 35 |
| 7 | 1/2 | 7 | 12.75 | 9.51 | 22.26 | 7 | 24 |
| | 3/4 | 10 | 15.22 | 10.64 | 25.86 | 9 | 27 |
| | 1 | 13 | 17.68 | 11.73 | 29.41 | 10 | 28 |
| 10 | 1.5 | 18 | 21.80 | 15.10 | 36.90 | 13 | 35 |
| | 1/2 | 6 | 12.39 | 9.51 | 21.90 | 8 | 25 |
| | 3/4 | 8 | 14.14 | 10.64 | 24.78 | 9 | 27 |
| 15 | 1 | 11 | 16.85 | 11.73 | 28.58 | 10 | 32 |
| | 1.5 | 15 | 20.48 | 13.60 | 35.58 | 13 | 35 |
| | 1/2 | 4 | 10.64 | 9.51 | 20.15 | 7 | 25 |
| 20 | 3/4 | 6 | 12.39 | 10.64 | 23.03 | 8 | 27 |
| | 1 | 8 | 14.14 | 11.73 | 25.87 | 9 | 30 |
| | 1.5 | 11 | 16.85 | 15.1 | 31.95 | 10 | 33 |
| 25 | 3/4 | 5 | 13.10 | 10.64 | 23.74 | 8 | 25 |
| | 1 | 7 | 15.55 | 11.73 | 27.28 | 9 | 31 |
| | 1.5 | 9 | 17.99 | 15.10 | 33.09 | 10 | 43 |
| 25 | 1 | 6 | 14.33 | 11.73 | 26.06 | 8 | 32 |
| | 1.5 | 8 | 16.77 | 15.10 | 31.87 | 9 | 44 |

3-Wire Motors:

| GPM | HP | STAGES | A | B | C | P.E. WT. | P.M.A. WT. |
|-----|-----|--------|-------|-------|-------|----------|------------|
| 5 | 1/2 | 8 | 13.57 | 9.51 | 23.08 | 8 | 25 |
| | 3/4 | 12 | 16.86 | 10.64 | 27.50 | 10 | 26 |
| | 1 | 15 | 19.33 | 11.73 | 31.06 | 11 | 29 |
| | 1.5 | 21 | 24.26 | 13.60 | 37.86 | 13 | 35 |
| | 2 | 26 | 30.46 | 15.10 | 45.56 | 15 | N/A |
| 7 | 1/2 | 7 | 12.75 | 9.51 | 22.26 | 7 | 23 |
| | 3/4 | 10 | 15.22 | 10.64 | 25.86 | 9 | 26 |
| | 1 | 13 | 17.68 | 11.73 | 29.41 | 10 | 27 |
| | 1.5 | 18 | 21.80 | 13.60 | 35.40 | 13 | 34 |
| | 2 | 24 | 26.73 | 15.10 | 41.83 | 16 | N/A |
| 10 | 3 | 32 | 35.36 | 19.04 | 54.43 | 19 | N/A |
| | 1/2 | 6 | 12.39 | 9.51 | 21.90 | 8 | 25 |
| | 3/4 | 8 | 14.14 | 10.64 | 24.78 | 9 | 26 |
| | 1 | 11 | 16.85 | 11.73 | 28.58 | 10 | 31 |
| | 1.5 | 15 | 20.48 | 13.60 | 34.08 | 13 | 36 |
| 15 | 2 | 18 | 25.26 | 15.10 | 40.36 | 16 | N/A |
| | 3 | 24 | 30.70 | 19.04 | 49.74 | 17 | N/A |
| | 5 | 39 | 44.20 | 28.19 | 72.39 | 20 | N/A |
| | 1/2 | 4 | 10.64 | 9.51 | 20.15 | 7 | 25 |
| | 3/4 | 6 | 12.39 | 10.64 | 23.03 | 8 | 27 |
| 20 | 1 | 8 | 14.14 | 11.73 | 25.87 | 9 | 30 |
| | 1.5 | 11 | 16.85 | 13.6 | 30.45 | 10 | 33 |
| | 2 | 14 | 19.57 | 15.1 | 34.67 | 15 | N/A |
| | 3 | 19 | 26.17 | 23.6 | 49.77 | 16 | N/A |
| | 5 | 31 | 37 | 29.6 | 66.6 | 18 | N/A |
| 25 | 3/4 | 5 | 13.10 | 10.64 | 23.74 | 8 | 29 |
| | 1 | 7 | 15.55 | 11.73 | 27.28 | 9 | 31 |
| | 1.5 | 9 | 17.99 | 13.60 | 31.59 | 10 | 42 |
| | 2 | 12 | 21.66 | 15.10 | 36.76 | 12 | N/A |
| | 3 | 16 | 26.55 | 19.04 | 45.59 | 14 | N/A |
| 25 | 5 | 26 | 40.86 | 28.19 | 69.05 | 18 | N/A |
| | 1 | 6 | 14.33 | 11.73 | 26.06 | 8 | 32 |
| | 1.5 | 8 | 16.77 | 13.60 | 30.37 | 9 | 43 |
| | 2 | 10 | 19.22 | 15.10 | 34.32 | 10 | N/A |
| 25 | 3 | 14 | 24.11 | 19.04 | 43.15 | 12 | N/A |
| | 5 | 23 | 37.19 | 28.19 | 65.38 | 16 | N/A |



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