

# FS SERIES

## SUBMERSIBLE PUMPS

Ideal for farm, home, irrigation, industry, municipal, and commercial applications, equipped with the power, performance, and reliability you expect from Franklin Electric.





## FS SERIES SUBMERSIBLE PUMPS

Franklin Electric's FS Series submersible pumps feature floating stage hydraulics that improve efficiency and minimize wear even when pumping abrasives. Intended for potable drinking water applications where a submersible pump provides the best output, the FS Series line is designed to enhance pump performance with minimal internal leakage or restriction.

Each FS Series pump's floating stage design also reduces the vertical downthrust applied on the submersible motor and increases the overall performance of the water system. Available in various performance ranges: 5, 8, 10, 12, 16, 22, or 26 GPM with horsepower ranges from 1/2 to 5. For details on how to become a registered dealer and receive a 5-year warranty, contact your local distributor.

### FEATURES

- Designed for use in 4" and greater diameter water well applications
- Eight performance ranges: 5, 8, 10, 12, 16, 18, 22 or 26 GPM
- Horsepower ranges: 1/2 to 5
- Exceeds all industry standards for quality manufacturing processes and operational safety
- Constructed from drinking water safe materials that are non-leeching and lead-free
- All stainless steel components are 300 series grade or better
- Industry-standard discharge head and NEMA motor connection bracket produced with proven, reliable, and durable materials. Available in 300 series stainless steel or engineered thermoplastic resins
- 1.25" NPT discharge pipe connection with sufficient wrench flat area allows for quick and easy installation
- Plastic outlet connection pumps have a Flomatic VFD style check valve; stainless steel connection pumps are equipped with a wafer disc-style check valve
- Pump hydraulics are driven by a stainless steel, 7/16-inch hex shaft with a rigid top bearing and splined motor coupling for maximum power distribution efficiency
- 100% factory performance tested
- Powered by Franklin Electric corrosion-resistant super stainless 4-inch submersible motors with lightning protection
- Maximum water temperature with the proper flow is 120 °F/49 °C. Consult factory for details.
- NSF/ANSI 61 Certified



CLASSIFIED  
UL  
WATER QUALITY  
MECHANICAL DEVICE  
NSF/ANSI 61 & 372  
COLD WATER 6R21

# FS SERIES SUBMERSIBLE PUMPS

## THERMOPLASTIC ORDERING INFORMATION

| GPM | HP  | Stages | Volts | 2-Wire              |           |                  | 3-Wire              |           |                  |             |
|-----|-----|--------|-------|---------------------|-----------|------------------|---------------------|-----------|------------------|-------------|
|     |     |        |       | Pump Motor Assembly |           | For Replacement* | Pump Motor Assembly |           | For Replacement* |             |
|     |     |        |       | Model No.           | Order No. | Motor            | Model No.           | Order No. | Motor            | Control Box |
| 5   | 1/2 | 8      | 115   | 5FS05P4-2W115       | 95940505  | 2445049004GS     | 5FS05P4-3W115       | 95940530  | 2145049004GS     | 2801044915  |
|     | 1/2 | 8      | 230   | 5FS05P4-2W230       | 95940510  | 2445050117GS     | 5FS05P4-3W230       | 95940535  | 2145059004GS     | 2801054915  |
|     | 3/4 | 12     | 230   | 5FS07P4-2W230       | 95940515  | 2445079004GS     | 5FS07P4-3W230       | 95940540  | 2145079004GS     | 2801074915  |
|     | 1   | 15     | 230   | 5FS1P4-2W230        | 95940520  | 2445089003GS     | 5FS1P4-3W230        | 95940545  | 2145089003GS     | 2801084915  |
|     | 1.5 | 21     | 230   | 5FS15P4-2W230       | 95940525  | 2443099004GS     | 5FS15P4-3W230       | 95940550  | 2243009203GS     | 2823008110  |
| 8   | 1/2 | 7      | 115   | 8FS05P4-2W115       | 95940805  | 2445049004GS     | 8FS05P4-3W115       | 95940830  | 2145049004GS     | 2801044915  |
|     | 1/2 | 7      | 230   | 8FS05P4-2W230       | 95940810  | 2445050117GS     | 8FS05P4-3W230       | 95940835  | 2145059004GS     | 2801054915  |
|     | 3/4 | 10     | 230   | 8FS07P4-2W230       | 95940815  | 2445079004GS     | 8FS07P4-3W230       | 95940840  | 2145079004GS     | 2801074915  |
|     | 1   | 13     | 230   | 8FS1P4-2W230        | 95940820  | 2445089003GS     | 8FS1P4-3W230        | 95940845  | 2145089003GS     | 2801084915  |
|     | 1.5 | 18     | 230   | 8FS15P4-2W230       | 95940825  | 2443099004GS     | 8FS15P4-3W230       | 95940850  | 2243009203GS     | 2823008110  |
| 10  | 1/2 | 7      | 115   | 10FS05P4-2W115      | 95941005  | 2445049004GS     | 10FS05P4-3W115      | 95941030  | 2145049004GS     | 2801044915  |
|     | 1/2 | 7      | 230   | 10FS05P4-2W230      | 95941010  | 2445050117GS     | 10FS05P4-3W230      | 95941035  | 2145059004GS     | 2801054915  |
|     | 3/4 | 10     | 230   | 10FS07P4-2W230      | 95941015  | 2445079004GS     | 10FS07P4-3W230      | 95941040  | 2145079004GS     | 2801074915  |
|     | 1   | 13     | 230   | 10FS1P4-2W230       | 95941020  | 2445089003GS     | 10FS1P4-3W230       | 95941045  | 2145089003GS     | 2801084915  |
|     | 1.5 | 17     | 230   | 10FS15P4-2W230      | 95941025  | 2443099004GS     | 10FS15P4-3W230      | 95941050  | 2243009203GS     | 2823008110  |
| 12  | 1/2 | 6      | 115   | 12FS05P4-2W115      | 95941205  | 2445049004GS     | 12FS05P4-3W115      | 95941230  | 2145049004GS     | 2801044915  |
|     | 1/2 | 6      | 230   | 12FS05P4-2W230      | 95941210  | 2445050117GS     | 12FS05P4-3W230      | 95941235  | 2145059004GS     | 2801054915  |
|     | 3/4 | 8      | 230   | 12FS07P4-2W230      | 95941215  | 2445079004GS     | 12FS07P4-3W230      | 95941240  | 2145079004GS     | 2801074915  |
|     | 1   | 11     | 230   | 12FS1P4-2W230       | 95941220  | 2445089003GS     | 12FS1P4-3W230       | 95941245  | 2145089003GS     | 2801084915  |
|     | 1.5 | 15     | 230   | 12FS15P4-2W230      | 95941225  | 2443099004GS     | 12FS15P4-3W230      | 95941250  | 2243009203GS     | 2823008110  |
| 16  | 1/2 | 4      | 115   | 16FS05P4-2W115      | 95941605  | 2445049004GS     | 16FS05P4-3W115      | 95941630  | 2145049004GS     | 2801044915  |
|     | 1/2 | 4      | 230   | 16FS05P4-2W230      | 95941610  | 2445050117GS     | 16FS05P4-3W230      | 95941635  | 2145059004GS     | 2801054915  |
|     | 3/4 | 6      | 230   | 16FS07P4-2W230      | 95941615  | 2445079004GS     | 16FS07P4-3W230      | 95941640  | 2145079004GS     | 2801074915  |
|     | 1   | 9      | 230   | 16FS1P4-2W230       | 95941620  | 2445089003GS     | 16FS1P4-3W230       | 95941645  | 2145089003GS     | 2801084915  |
|     | 1.5 | 11     | 230   | 16FS15P4-2W230      | 95941625  | 2443099004GS     | 16FS15P4-3W230      | 95941645  | 2243009203GS     | 2823008110  |
| 18  | 3/4 | 6      | 230   | 18FS07P4-2W230      | 95941815  | 2445079004GS     | 18FS07P4-3W230      | 95941840  | 2145079004GS     | 2801074915  |
|     | 1   | 8      | 230   | 18FS1P4-2W230       | 95941820  | 2445089003GS     | 18FS1P4-3W230       | 95941845  | 2145089003GS     | 2801084915  |
|     | 1.5 | 11     | 230   | 18FS15P4-2W230      | 95941825  | 2443099004GS     | 18FS15P4-3W230      | 95941850  | 2243009203GS     | 2823008110  |
| 22  | 3/4 | 5      | 230   | 22FS07P4-2W230      | 95942215  | 2445079004GS     | 22FS07P4-3W230      | 95942240  | 2145079004GS     | 2801074915  |
|     | 1   | 7      | 230   | 22FS1P4-2W230       | 95942220  | 2445089003GS     | 22FS1P4-3W230       | 95942245  | 2145089003GS     | 2801084915  |
|     | 1.5 | 10     | 230   | 22FS15P4-2W230      | 95942225  | 2443099004GS     | 22FS15P4-3W230      | 95942250  | 2243009203GS     | 2823008110  |
| 26  | 1   | 6      | 230   | 26FS1P4-2W230       | 95942620  | 2445089003GS     | 26FS1P4-3W230       | 95942645  | 2145089003GS     | 2801084915  |
|     | 1.5 | 8      | 230   | 26FS15P4-2W230      | 95942625  | 2443099004GS     | 26FS15P4-3W230      | 95942650  | 2243009203GS     | 2823008110  |

NOTES: All listed above have 1-1/4" NPT discharge and feature our removable Flomatic™ poppet assembly.



# FS SERIES SUBMERSIBLE PUMPS

## STAINLESS STEEL ORDERING INFORMATION

| GPM | HP  | Stages | Volts | 2-Wire              |           |                  | 3-Wire              |           |                  |             |
|-----|-----|--------|-------|---------------------|-----------|------------------|---------------------|-----------|------------------|-------------|
|     |     |        |       | Pump Motor Assembly |           | For Replacement* | Pump Motor Assembly |           | For Replacement* |             |
|     |     |        |       | Model No.           | Order No. | Motor            | Model No.           | Order No. | Motor            | Control Box |
| 5   | 1/2 | 8      | 115   | 5FS05S4-2W115       | 95960505  | 2445049004GS     | 5FS05S4-3W115       | 95960530  | 2145049004GS     | 2801044915  |
|     | 1/2 | 8      | 230   | 5FS05S4-2W230       | 95960510  | 2445050117GS     | 5FS05S4-3W230       | 95960535  | 2145059004GS     | 2801054915  |
|     | 3/4 | 12     | 230   | 5FS07S4-2W230       | 95960515  | 2445079004GS     | 5FS07S4-3W230       | 95960540  | 2145079004GS     | 2801074915  |
|     | 1   | 15     | 230   | 5FS1S4-2W230        | 95960520  | 2445089003GS     | 5FS1S4-3W230        | 95960545  | 2145089003GS     | 2801084915  |
|     | 1.5 | 21     | 230   | 5FS15S4-2W230       | 95960525  | 2443099004GS     | 5FS15S4-3W230       | 95960550  | 2243009203GS     | 2823008110  |
| 8   | 1/2 | 7      | 115   | 8FS05S4-2W115       | 95960805  | 2445049004GS     | 8FS05S4-3W115       | 95960830  | 2145049004GS     | 2801044915  |
|     | 1/2 | 7      | 230   | 8FS05S4-2W230       | 95960810  | 2445050117GS     | 8FS05S4-3W230       | 95960835  | 2145059004GS     | 2801054915  |
|     | 3/4 | 10     | 230   | 8FS07S4-2W230       | 95960815  | 2445079004GS     | 8FS07S4-3W230       | 95960840  | 2145079004GS     | 2801074915  |
|     | 1   | 13     | 230   | 8FS1S4-2W230        | 95960820  | 2445089003GS     | 8FS1S4-3W230        | 95960845  | 2145089003GS     | 2801084915  |
|     | 1.5 | 18     | 230   | 8FS15S4-2W230       | 95960825  | 2443099004GS     | 8FS15S4-3W230       | 95960850  | 2243009203GS     | 2823008110  |
| 10  | 1/2 | 7      | 115   | 10FS05S4-2W115      | 95961005  | 2445049004GS     | 10FS05S4-3W115      | 95961030  | 2145049004GS     | 2801044915  |
|     | 1/2 | 7      | 230   | 10FS05S4-2W230      | 95961010  | 2445050117GS     | 10FS05S4-3W230      | 95961035  | 2145059004GS     | 2801054915  |
|     | 3/4 | 10     | 230   | 10FS07S4-2W230      | 95961015  | 2445079004GS     | 10FS07S4-3W230      | 95961040  | 2145079004GS     | 2801074915  |
|     | 1   | 13     | 230   | 10FS1S4-2W230       | 95961020  | 2445089003GS     | 10FS1S4-3W230       | 95961045  | 2145089003GS     | 2801084915  |
|     | 1.5 | 17     | 230   | 10FS15S4-2W230      | 95961025  | 2443099004GS     | 10FS15S4-3W230      | 95961050  | 2243009203GS     | 2823008110  |
| 12  | 1/2 | 6      | 115   | 12FS05S4-2W115      | 95961205  | 2445049004GS     | 12FS05S4-3W115      | 95961230  | 2145049004GS     | 2801044915  |
|     | 1/2 | 6      | 230   | 12FS05S4-2W230      | 95961210  | 2445050117GS     | 12FS05S4-3W230      | 95961235  | 2145059004GS     | 2801054915  |
|     | 3/4 | 8      | 230   | 12FS07S4-2W230      | 95961215  | 2445079004GS     | 12FS07S4-3W230      | 95961240  | 2145079004GS     | 2801074915  |
|     | 1   | 11     | 230   | 12FS1S4-2W230       | 95961220  | 2445089003GS     | 12FS1S4-3W230       | 95961245  | 2145089003GS     | 2801084915  |
|     | 1.5 | 15     | 230   | 12FS15S4-2W230      | 95961225  | 2443099004GS     | 12FS15S4-3W230      | 95961250  | 2243009203GS     | 2823008110  |
| 16  | 1/2 | 4      | 115   | 16FS05S4-2W115      | 95961605  | 2445049004GS     | 16FS05S4-3W115      | 95961630  | 2145049004GS     | 2801044915  |
|     | 1/2 | 4      | 230   | 16FS05S4-2W230      | 95961610  | 2445050117GS     | 16FS05S4-3W230      | 95961635  | 2145059004GS     | 2801054915  |
|     | 3/4 | 6      | 230   | 16FS07S4-2W230      | 95961615  | 2445079004GS     | 16FS07S4-3W230      | 95961640  | 2145079004GS     | 2801074915  |
|     | 1   | 9      | 230   | 16FS1S4-2W230       | 95961620  | 2445089003GS     | 16FS1S4-3W230       | 95961645  | 2145089003GS     | 2801084915  |
|     | 1.5 | 11     | 230   | 16FS15S4-2W230      | 95961625  | 2443099004GS     | 16FS15S4-3W230      | 95961650  | 2243009203GS     | 2823008110  |
| 18  | 3/4 | 6      | 230   | 18FS07S4-2W230      | 95961815  | 2445079004GS     | 18FS07S4-3W230      | 95961840  | 2145079004GS     | 2801074915  |
|     | 1   | 8      | 230   | 18FS1S4-2W230       | 95961820  | 2445089003GS     | 18FS1S4-3W230       | 95961845  | 2145089003GS     | 2801084915  |
|     | 1.5 | 11     | 230   | 18FS15S4-2W230      | 95961825  | 2443099004GS     | 18FS15S4-3W230      | 95961850  | 2243009203GS     | 2823008110  |
| 22  | 3/4 | 5      | 230   | 22FS07S4-2W230      | 95962215  | 2445079004GS     | 22FS07S4-3W230      | 95962240  | 2145079004GS     | 2801074915  |
|     | 1   | 7      | 230   | 22FS1S4-2W230       | 95962220  | 2445089003GS     | 22FS1S4-3W230       | 95962245  | 2145089003GS     | 2801084915  |
|     | 1.5 | 10     | 230   | 22FS15S4-2W230      | 95962225  | 2443099004GS     | 22FS15S4-3W230      | 95962250  | 2243009203GS     | 2823008110  |
| 26  | 1   | 6      | 230   | 26FS1S4-2W230       | 95962620  | 2445089003GS     | 26FS1S4-3W230       | 95962645  | 2145089003GS     | 2801084915  |
|     | 1.5 | 8      | 230   | 26FS15S4-2W230      | 95962625  | 2443099004GS     | 26FS15S4-3W230      | 95962650  | 2243009203GS     | 2823008110  |

NOTES: All listed above have 1-1/4" NPT discharge and feature our removable Flomatic™ poppet assembly.

## FS SERIES SUBMERSIBLE PUMPS

### THERMOPLASTIC PUMP ENDS ORDERING INFORMATION

| GPM | HP  | Stages | Model No.   | Order No. |
|-----|-----|--------|-------------|-----------|
| 5   | 1/2 | 8      | 5FS05P4-PE  | 95950505  |
|     | 3/4 | 12     | 5FS07P4-PE  | 95950510  |
|     | 1   | 15     | 5FS1P4-PE   | 95950515  |
|     | 1.5 | 21     | 5FS15P4-PE  | 95950520  |
| 8   | 1/2 | 7      | 8FS05P4-PE  | 95950805  |
|     | 3/4 | 10     | 8FS07P4-PE  | 95950810  |
|     | 1   | 13     | 8FS1P4-PE   | 95950815  |
|     | 1.5 | 18     | 8FS15P4-PE  | 95950820  |
| 10  | 1/2 | 7      | 10FS05P4-PE | 95951005  |
|     | 3/4 | 10     | 10FS07P4-PE | 95951010  |
|     | 1   | 13     | 10FS1P4-PE  | 95951015  |
|     | 1.5 | 17     | 10FS15P4-PE | 95951020  |
| 12  | 1/2 | 6      | 12FS05P4-PE | 95951205  |
|     | 3/4 | 8      | 12FS07P4-PE | 95951210  |
|     | 1   | 11     | 12FS1P4-PE  | 95951215  |
|     | 1.5 | 15     | 12FS15P4-PE | 95951220  |
| 16  | 1/2 | 4      | 16FS05P4-PE | 95951605  |
|     | 3/4 | 6      | 16FS07P4-PE | 95951610  |
|     | 1   | 9      | 16FS1P4-PE  | 95951615  |
|     | 1.5 | 11     | 16FS15P4-PE | 95951620  |
| 18  | 3/4 | 6      | 18FS07P4-PE | 95951810  |
|     | 1   | 8      | 18FS1P4-PE  | 95951815  |
|     | 1.5 | 11     | 18FS15P4-PE | 95951820  |
| 22  | 3/4 | 5      | 22FS07P4-PE | 95952210  |
|     | 1   | 7      | 22FS1P4-PE  | 95952215  |
|     | 1.5 | 10     | 22FS15P4-PE | 95952220  |
| 26  | 1   | 6      | 26FS1P4-PE  | 95952615  |
|     | 1.5 | 8      | 26FS15P4-PE | 95952620  |

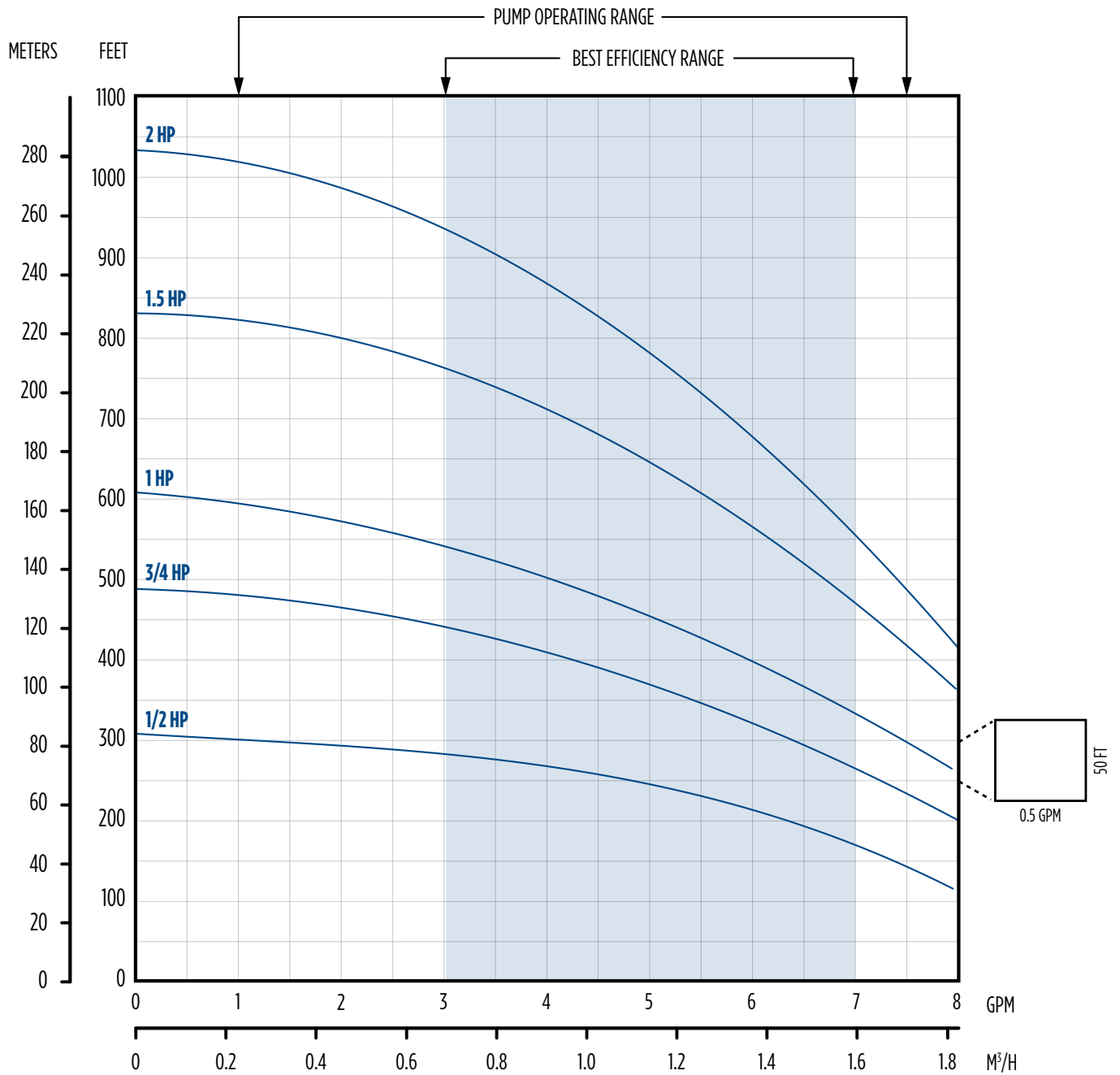
### STAINLESS STEEL PUMP ENDS ORDERING INFORMATION

| GPM | HP  | Stages | Model No.   | Order No. |
|-----|-----|--------|-------------|-----------|
| 5   | 1/2 | 8      | 5FS05S4-PE  | 95970505  |
|     | 3/4 | 12     | 5FS07S4-PE  | 95970510  |
|     | 1   | 15     | 5FS1S4-PE   | 95970515  |
|     | 1.5 | 21     | 5FS15S4-PE  | 95970520  |
| 8   | 2   | 26     | 5FS2S4-PE   | 95970525  |
|     | 1/2 | 7      | 8FS05S4-PE  | 95970805  |
|     | 3/4 | 10     | 8FS07S4-PE  | 95970810  |
|     | 1   | 13     | 8FS1S4-PE   | 95970815  |
| 8   | 1.5 | 18     | 8FS15S4-PE  | 95970820  |
|     | 2   | 24     | 8FS2S4-PE   | 95970825  |
|     | 3   | 32     | 8FS3S4-PE   | 95970830  |
| 10  | 1/2 | 7      | 10FS05S4-PE | 95971005  |
|     | 3/4 | 10     | 10FS07S4-PE | 95971010  |
|     | 1   | 13     | 10FS1S4-PE  | 95971015  |
|     | 1.5 | 17     | 10FS15S4-PE | 95971020  |
| 10  | 2   | 21     | 10FS2S4-PE  | 95971025  |
|     | 3   | 28     | 10FS3S4-PE  | 95971030  |
| 12  | 1/2 | 6      | 12FS05S4-PE | 95971205  |
|     | 3/4 | 8      | 12FS07S4-PE | 95971210  |
|     | 1   | 11     | 12FS1S4-PE  | 95971215  |
|     | 1.5 | 15     | 12FS15S4-PE | 95971220  |
| 12  | 2   | 18     | 12FS2S4-PE  | 95971225  |
|     | 3   | 24     | 12FS3S4-PE  | 95971230  |
|     | 5   | 39     | 12FS5S4-PE  | 95971235  |
| 16  | 1/2 | 4      | 16FS05S4-PE | 95971605  |
|     | 3/4 | 6      | 16FS07S4-PE | 95971610  |
|     | 1   | 9      | 16FS1S4-PE  | 95971615  |
|     | 1.5 | 11     | 16FS15S4-PE | 95971620  |
| 16  | 2   | 14     | 16FS2S4-PE  | 95971625  |
|     | 3   | 19     | 16FS3S4-PE  | 95971630  |
|     | 5   | 31     | 16FS5S4-PE  | 95971635  |
| 18  | 3/4 | 6      | 18FS07S4-PE | 95971810  |
|     | 1   | 8      | 18FS1S4-PE  | 95971815  |
|     | 1.5 | 11     | 18FS15S4-PE | 95971820  |
|     | 2   | 14     | 18FS2S4-PE  | 95971825  |
| 18  | 3   | 19     | 18FS3S4-PE  | 95971830  |
|     | 5   | 30     | 18FS5S4-PE  | 95971835  |
| 22  | 3/4 | 5      | 22FS07S4-PE | 95972210  |
|     | 1   | 7      | 22FS1S4-PE  | 95972215  |
|     | 1.5 | 10     | 22FS15S4-PE | 95972220  |
|     | 2   | 12     | 22FS2S4-PE  | 95972225  |
| 22  | 3   | 16     | 22FS3S4-PE  | 95972230  |
|     | 5   | 26     | 22FS5S4-PE  | 95972235  |
| 26  | 1   | 6      | 26FS1S4-PE  | 95972615  |
|     | 1.5 | 8      | 26FS15S4-PE | 95972620  |
|     | 2   | 10     | 26FS2S4-PE  | 95972625  |
|     | 3   | 14     | 26FS3S4-PE  | 95972630  |
| 26  | 5   | 23     | 26FS5S4-PE  | 95972635  |



## FS SERIES SUBMERSIBLE PUMPS

### PERFORMANCE - 5 GPM



# FS SERIES SUBMERSIBLE PUMPS

CAPACITIES (U.S. GPM) - 5 GPM

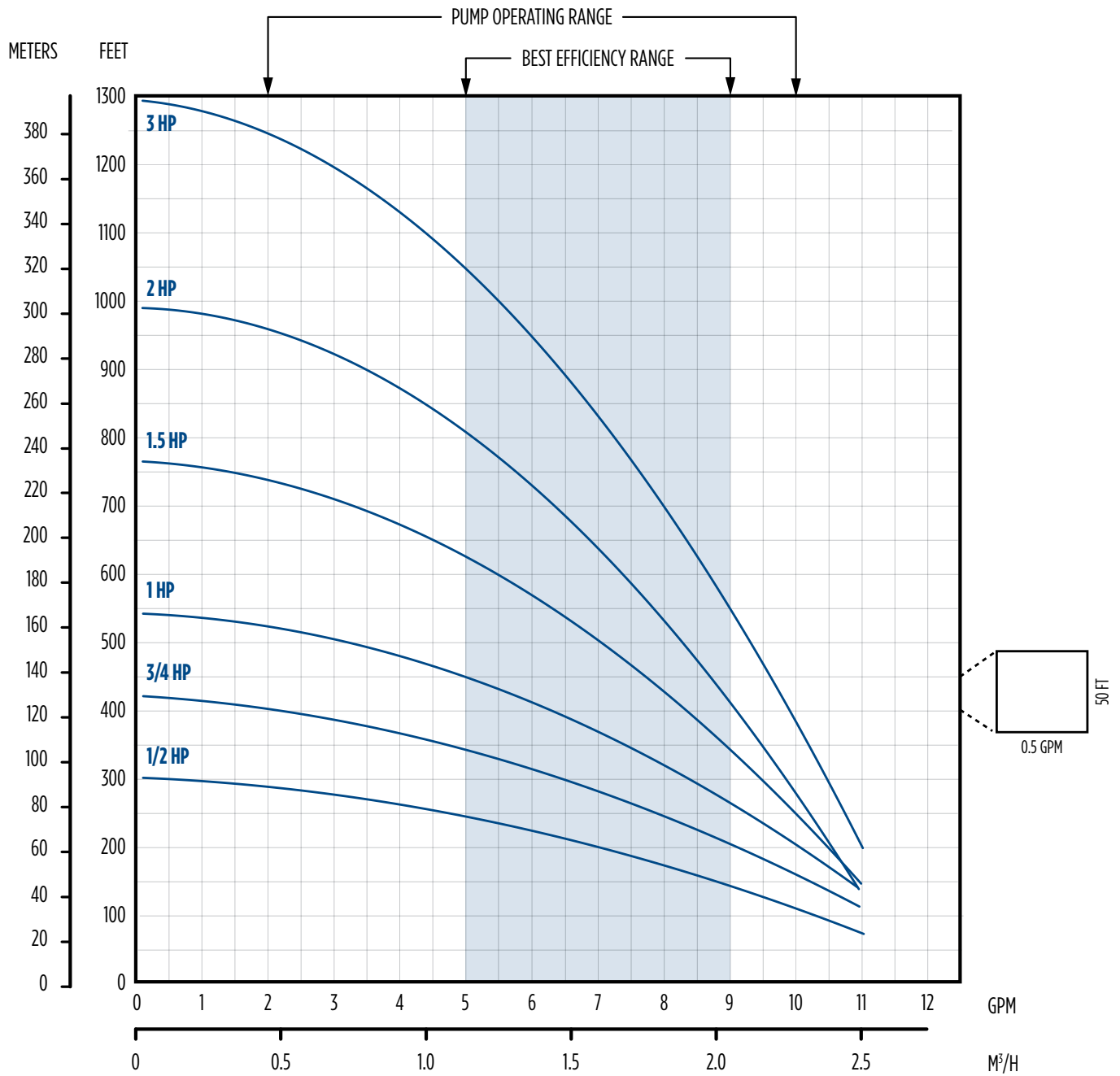
| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      | Shut-off (ft) |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|---------------|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950  |               |
| 1/2          | 0   |                                                |     |     |     |     |     |     |     | 7   | 7   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      | 312           |
|              | 10  |                                                |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 20  |                                                |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 30  |                                                |     |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 40  |                                                |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 50  |                                                |     | 7   | 7   | 7   | 6   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 60  |                                                | 7   | 7   | 6   | 6   | 5   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 70  | 7                                              | 7   | 6   | 6   | 5   | 5   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 80  | 7                                              | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
| Shut-off PSI |     | 135                                            | 126 | 118 | 109 | 100 | 92  | 83  | 74  | 66  | 57  | 48  | 31  | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
| 3/4          | 0   |                                                |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     | 491  |               |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     | 7   | 6   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 30  |                                                |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 40  |                                                |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 50  |                                                |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 60  |                                                |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 6   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 70  |                                                |     |     |     | 7   | 7   | 7   | 6   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 80  |                                                |     |     | 7   | 7   | 7   | 6   | 6   | 6   | 5   | 5   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
| Shut-off PSI |     |                                                |     |     | 187 | 178 | 169 | 161 | 152 | 143 | 135 | 126 | 109 | 91  | 74  | 57  | 39  | 22  |     |     |     |     |     |     |     |     |     |     |      |               |
| 1            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 5   | 5   | 4   | 3   |     |     |     |     |     |     |     |     | 609  |               |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 4   | 4   |     |     |     |     |     |     |     |     |      |               |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 5   | 4   | 3   | 3   |     |     |     |     |     |     |     |     |      |               |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |      |               |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     | 7   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 5   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 60  |                                                |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 70  |                                                |     |     |     |     |     | 7   | 7   | 7   | 7   | 6   | 5   | 4   | 4   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
|              | 80  |                                                |     |     |     |     |     | 7   | 7   | 7   | 7   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |     |     |     |     |     |     |     |      |               |
| Shut-off PSI |     |                                                |     |     |     |     |     | 212 | 203 | 194 | 186 | 177 | 160 | 142 | 125 | 108 | 90  | 73  | 56  | 47  | 26  |     |     |     |     |     |     |     |      |               |
| 1.5          | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 4   | 3   |     |     |     |     | 827  |               |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 3   |     |     |     |      |               |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |      |               |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 3   |     |     |     |     |      |               |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 6   | 5   | 4   | 3   |     |     |     |     |     |      |               |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 3   |     |     |     |     |     |      |               |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 4   |     |     |     |     |     |     |      |               |
|              | 70  |                                                |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 3   |     |     |     |     |     |     |     |      |               |
|              | 80  |                                                |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 5   | 5   | 4   | 4   |     |     |     |     |     |     |     |     |      |               |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     |     |     |     | 254 | 237 | 219 | 202 | 185 | 168 | 150 | 142 | 120 | 98  | 77  | 55  | 33  |     |     |     |      |               |
| 2            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 8   | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 4   | 3   | 1030 |               |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 6   | 5   | 5   | 4   | 4   | 3   |      |               |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 4   | 3   |     |      |               |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 3   | 2   |      |               |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 4   | 3   |      |               |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 3   |     |      |               |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 7   | 6   | 6   | 5   | 5   | 4   | 4   | 3   |      |               |
|              | 70  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 6   | 5   | 5   | 4   | 3   | 3   |      |               |
|              | 80  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 7   | 7   | 7   | 6   | 6   | 6   | 5   | 5   | 4   | 4   | 3   |      |               |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 307 | 290 | 273 | 255 | 238 | 229 | 208 | 186 | 165 | 143 | 121 | 100 | 78  | 56  | 35   |               |

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



## FS SERIES SUBMERSIBLE PUMPS

### PERFORMANCE - 8 GPM



# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 8 GPM

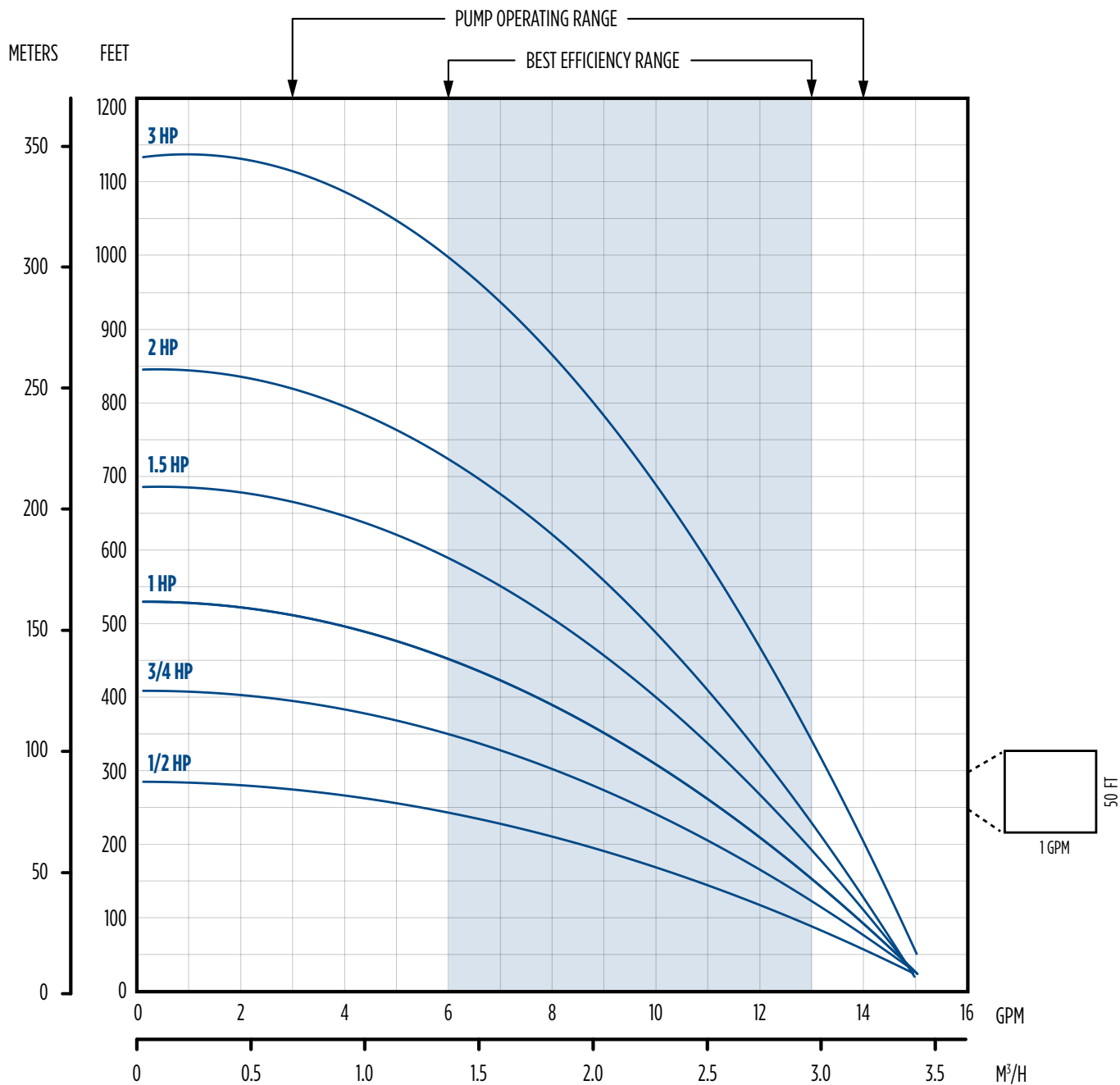
| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Shut-off (ft) |      |      |     |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|------|------|-----|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 |               | 1000 | 1050 |     |
| 1/2          | 0   |                                                |     |     |     |     |     |     | 9   | 8   | 8   | 7   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      | 297 |
|              | 10  |                                                |     |     |     |     | 9   | 9   | 8   | 7   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 20  |                                                |     |     |     | 9   | 9   | 8   | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 30  |                                                |     |     | 9   | 9   | 8   | 7   | 6   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 40  |                                                |     | 9   | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 50  |                                                | 9   | 8   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 60  | 9                                              | 8   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 70  | 8                                              | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 80  | 7                                              | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| Shut-off PSI |     | 129                                            | 120 | 111 | 103 | 94  | 85  | 77  | 68  | 59  | 51  | 42  | 25  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| 3/4          | 0   |                                                |     |     |     |     |     |     |     |     | 9   | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      | 417  |     |
|              | 10  |                                                |     |     |     |     |     |     |     | 9   | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 20  |                                                |     |     |     |     |     |     | 9   | 9   | 8   | 8   | 7   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 30  |                                                |     |     |     |     |     | 9   | 9   | 8   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 40  |                                                |     |     |     |     | 9   | 9   | 8   | 8   | 7   | 7   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 50  |                                                |     |     |     | 9   | 9   | 8   | 8   | 7   | 6   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 60  |                                                |     | 9   | 9   | 9   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 70  |                                                | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 80  | 9                                              | 9   | 8   | 8   | 7   | 7   | 6   | 5   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| Shut-off PSI |     | 181                                            | 172 | 163 | 155 | 146 | 137 | 129 | 120 | 111 | 103 | 94  | 77  | 59  | 42  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| 1            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |               |      | 538  |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     | 9   | 8   | 7   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     | 9   | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 30  |                                                |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 40  |                                                |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 50  |                                                |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 60  |                                                |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 70  |                                                |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 80  |                                                |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 7   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| Shut-off PSI |     |                                                |     |     | 207 | 198 | 190 | 181 | 172 | 164 | 155 | 146 | 129 | 112 | 94  | 77  | 60  | 42  |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| 1.5          | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 8   | 8   | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |               |      | 760  |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     | 10  | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |               |      |      |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     | 10  | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |               |      |      |     |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |     |     |               |      |      |     |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 6   | 6   | 6   | 5   |     |     |     |     |     |     |               |      |      |     |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 5   | 5   |     |     |     |     |     |     |     |               |      |      |     |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 8   | 8   | 7   | 6   | 6   | 5   |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 70  |                                                |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
|              | 80  |                                                |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |     |     |     |     |     |     |     |               |      |      |     |
| Shut-off PSI |     |                                                |     |     |     |     |     |     | 268 | 260 | 251 | 242 | 225 | 208 | 190 | 173 | 156 | 139 | 121 | 113 | 91  | 69  |     |     |     |     |     |     |     |               |      |      |     |
| 2            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |               |      | 985  |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 5   | 5   |     |     |     |     |               |      |      |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |               |      |      |     |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 5   | 5   |     |     |     |     |               |      |      |     |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |               |      |      |     |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 5   | 5   |     |     |     |     |               |      |      |     |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |               |      |      |     |
|              | 70  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 6   | 5   |     |     |     |     |               |      |      |     |
|              | 80  |                                                |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 9   | 8   | 8   | 7   | 7   | 6   | 6   | 5   | 5   |     |     |     |     |     |     |     |               |      |      |     |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     | 357 | 348 | 340 | 323 | 305 | 288 | 271 | 253 | 236 | 219 | 210 | 188 | 167 | 145 | 123 | 102 | 80  |     |     |     |               |      |      |     |
| 3            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 6   | 6   | 5             | 5    | 1290 |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      | 5   |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      | 5   |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      | 5   |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      |     |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      |     |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      |     |
|              | 70  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6             | 5    |      | 5   |
|              | 80  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     | 9   | 9   | 9   | 8   | 8   | 8   | 7   | 7   | 7   | 6   | 6   | 5   | 5   |     |               |      |      |     |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     | 420 | 403 | 385 | 368 | 351 | 342 | 320 | 299 | 277 | 255 | 234 | 212 | 190 | 169 | 147           | 126  | 104  |     |

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



## FS SERIES SUBMERSIBLE PUMPS

### PERFORMANCE - 10 GPM



# FS SERIES SUBMERSIBLE PUMPS

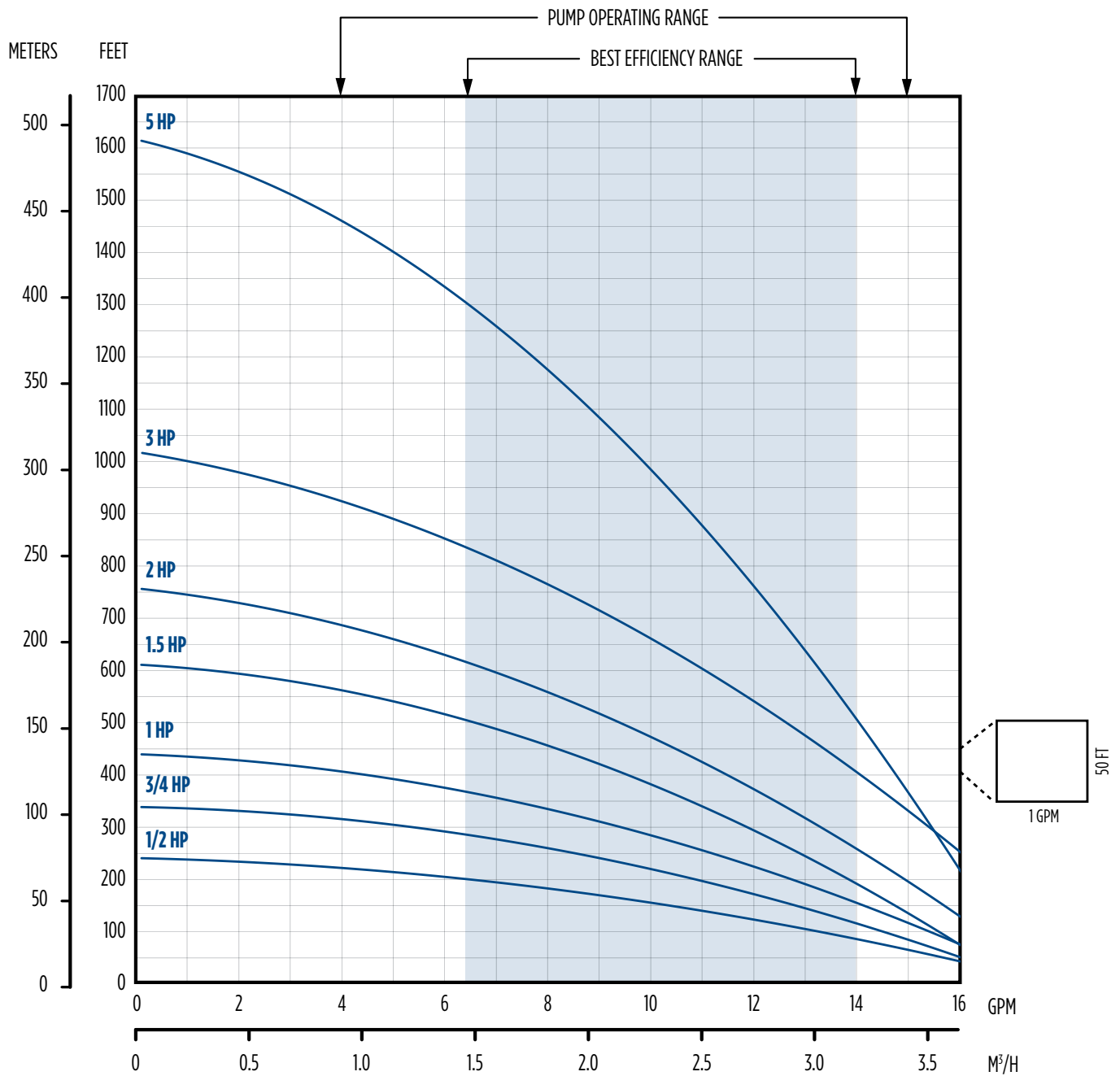
## CAPACITIES (U.S. GPM) - 10 GPM

| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|---------------|-----|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | Shut-off (ft) |     |
| 1/2          | 0   |                                                |     |     |     | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               | 282 |
|              | 10  |                                                |     |     | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 20  |                                                |     | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 30  |                                                | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 40  | 13                                             | 12  | 11  | 11  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 50  | 12                                             | 11  | 10  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 60  | 11                                             | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 70  | 10                                             | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 80  | 9                                              | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| Shut-off PSI |     | 122                                            | 113 | 105 | 96  | 87  | 79  | 70  | 61  | 53  | 44  | 35  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| 3/4          | 0   |                                                |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 11  | 10  | 9   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      | 406           |     |
|              | 10  |                                                |     |     |     | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 20  |                                                |     |     | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 30  |                                                |     | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 40  |                                                | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 50  | 13                                             | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 60  | 13                                             | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 70  | 12                                             | 12  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 80  | 11                                             | 11  | 10  | 10  | 9   | 8   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| Shut-off PSI |     | 176                                            | 167 | 158 | 150 | 141 | 132 | 124 | 115 | 106 | 98  | 89  | 72  | 55  | 37  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| 1            | 0   |                                                |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |      |      | 526           |     |
|              | 10  |                                                |     |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 20  |                                                |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 10  | 10  | 9   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 30  |                                                |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 40  |                                                |     | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 50  |                                                | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 60  | 13                                             | 13  | 13  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 70  | 13                                             | 12  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 9   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 80  | 12                                             | 12  | 12  | 11  | 11  | 10  | 10  | 10  | 9   | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| Shut-off PSI |     | 228                                            | 219 | 210 | 202 | 193 | 184 | 176 | 167 | 158 | 150 | 141 | 124 | 106 | 89  | 72  | 55  | 37  |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| 1.5          | 0   |                                                |     |     |     |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 8   | 7   |     |     |     |     |     |     |     |     |      |      | 680           |     |
|              | 10  |                                                |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 8   | 6   |     |     |     |     |     |     |     |      |      |               |     |
|              | 20  |                                                |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 10  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |      |      |               |     |
|              | 30  |                                                |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 40  |                                                |     |     | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 10  | 10  | 9   | 8   | 7   | 6   | 6   |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 50  |                                                |     | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 60  |                                                | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 70  | 13                                             | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 11  | 10  | 9   | 8   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
|              | 80  | 13                                             | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 11  | 11  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |     |
| Shut Off PSI |     | 294                                            | 286 | 277 | 268 | 260 | 251 | 242 | 234 | 225 | 216 | 208 | 190 | 173 | 156 | 139 | 121 | 104 | 87  | 78  | 56  |     |     |     |     |     |     |     |     |      |      |               |     |
| 2            | 0   |                                                |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |      | 841  |               |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |      |      |               |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6   | 5   |     |     |     |      |      |               |     |
|              | 30  |                                                |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |     |      |      |               |     |
|              | 40  |                                                |     |     |     |     | 13  | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 8   | 7   |     |     |     |     |     |     |      |      |               |     |
|              | 50  |                                                |     |     |     | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 8   | 7   | 6   |     |     |     |     |     |     |      |      |               |     |
|              | 60  |                                                |     | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 8   | 7   |     |     |     |     |     |     |     |      |      |               |     |
|              | 70  |                                                | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 9   | 8   | 8   | 7   | 6   |     |     |     |     |     |     |     |      |      |               |     |
|              | 80  | 13                                             | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |      |      |               |     |
| Shut-off PSI |     | 364                                            | 355 | 347 | 338 | 329 | 321 | 312 | 303 | 295 | 286 | 277 | 260 | 243 | 226 | 208 | 191 | 174 | 156 | 148 | 126 | 104 | 83  | 61  |     |     |     |     |     |      |      |               |     |
| 3            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 7   | 6    | 1137 |               |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 8   | 7   | 6    |      |               |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 8   | 8   | 7   | 6    |      |               |     |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 8   | 8   | 7   | 6    |      |               |     |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6    |      |               |     |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6    |      |               |     |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6    |      |               |     |
|              | 70  |                                                |     |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6    |      |               |     |
|              | 80  |                                                |     |     |     |     |     |     | 13  | 13  | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 12  | 12  | 11  | 11  | 11  | 10  | 10  | 9   | 9   | 8   | 7   | 6    |      |               |     |
| Shut-off PSI |     |                                                |     |     |     |     | 449 | 440 | 432 | 423 | 414 | 406 | 388 | 371 | 354 | 336 | 319 | 302 | 284 | 276 | 254 | 232 | 211 | 189 | 168 | 146 | 124 | 103 | 81  | 59   |      |               |     |



## FS SERIES SUBMERSIBLE PUMPS

PERFORMANCE - 12 GPM



# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 12 GPM

| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|--|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | Shut-off (ft) |  |
| 1/2          | 0   |                                                |     |     |     | 14  | 13  | 12  | 11  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     | 235           |  |
|              | 10  |                                                |     |     | 14  | 13  | 12  | 10  | 9   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 20  |                                                |     | 14  | 13  | 11  | 10  | 9   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 30  | 14                                             | 13  | 12  | 11  | 10  | 9   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 40  | 13                                             | 12  | 11  | 10  | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 50  | 12                                             | 11  | 10  | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 60  | 11                                             | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 70  | 9                                              | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 80  | 7                                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
| Shut-off PSI |     | 102                                            | 93  | 84  | 76  | 67  | 58  | 50  | 41  | 32  | 24  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
| 3/4          | 0   |                                                |     |     |     |     | 14  | 14  | 13  | 12  | 11  | 11  | 9   | 6   |     |     |     |     |     |     |     |     |     |     | 333           |  |
|              | 10  |                                                |     |     |     | 14  | 14  | 13  | 12  | 11  | 10  | 10  | 7   |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 20  |                                                |     |     | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 30  |                                                |     | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 40  |                                                | 14  | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 50  | 14                                             | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 60  | 13                                             | 12  | 11  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 70  | 12                                             | 11  | 11  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 80  | 11                                             | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
| Shut-off PSI |     | 144                                            | 135 | 127 | 118 | 110 | 101 | 92  | 84  | 75  | 66  | 58  | 40  | 23  |     |     |     |     |     |     |     |     |     |     |               |  |
| 1            | 0   |                                                |     |     |     |     |     |     | 14  | 14  | 13  | 13  | 11  | 10  | 8   | 7   |     |     |     |     |     |     |     |     | 434           |  |
|              | 10  |                                                |     |     |     |     |     | 14  | 14  | 13  | 12  | 12  | 11  | 9   | 7   |     |     |     |     |     |     |     |     |     |               |  |
|              | 20  |                                                |     |     |     |     | 14  | 14  | 13  | 12  | 12  | 11  | 10  | 8   | 6   |     |     |     |     |     |     |     |     |     |               |  |
|              | 30  |                                                |     |     |     | 14  | 13  | 13  | 12  | 12  | 11  | 10  | 9   | 7   |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 40  |                                                |     | 14  | 14  | 13  | 13  | 12  | 12  | 11  | 10  | 10  | 8   | 6   |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 50  |                                                | 14  | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 9   | 7   |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 60  | 14                                             | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 8   | 6   |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 70  | 14                                             | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
|              | 80  | 13                                             | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |     |     |     |     |     |               |  |
| Shut-off PSI |     | 188                                            | 179 | 171 | 162 | 153 | 145 | 136 | 127 | 119 | 110 | 101 | 84  | 67  | 49  | 32  |     |     |     |     |     |     |     |     |               |  |
| 1.5          | 0   |                                                |     |     |     |     |     |     |     | 14  | 14  | 14  | 13  | 12  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     | 608           |  |
|              | 10  |                                                |     |     |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 6   | 6   |     |     |     |     |               |  |
|              | 20  |                                                |     |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 7   | 5   |     |     |     |     |     |               |  |
|              | 30  |                                                |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 12  | 11  | 10  | 9   | 7   | 6   |     |     |     |     |     |     |               |  |
|              | 40  |                                                |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |               |  |
|              | 50  |                                                |     |     | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 8   | 7   | 6   |     |     |     |     |     |     |     |               |  |
|              | 60  |                                                | 14  | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   |     |     |     |     |     |     |     |     |               |  |
|              | 70  | 14                                             | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |     |     |     |               |  |
|              | 80  | 14                                             | 14  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |     |     |               |  |
| Shut-off PSI |     | 263                                            | 255 | 246 | 237 | 229 | 220 | 211 | 203 | 194 | 185 | 177 | 159 | 142 | 125 | 107 | 90  | 73  | 55  | 47  |     |     |     |     |               |  |
| 2            | 0   |                                                |     |     |     |     |     |     |     |     |     |     | 14  | 14  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   |     |     | 755           |  |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     | 14  | 14  | 13  | 12  | 12  | 11  | 10  | 9   | 9   | 8   | 6   |     |               |  |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     | 14  | 14  | 13  | 13  | 12  | 11  | 10  | 10  | 9   | 8   | 7   |     |     |               |  |
|              | 30  |                                                |     |     |     |     |     |     |     | 14  | 14  | 14  | 13  | 12  | 12  | 11  | 10  | 9   | 9   | 8   | 8   | 6   |     |     |               |  |
|              | 40  |                                                |     |     |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 11  | 10  | 9   | 9   | 8   | 7   | 6   |     |     |     |               |  |
|              | 50  |                                                |     |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |               |  |
|              | 60  |                                                |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   | 6   |     |     |     |               |  |
|              | 70  |                                                |     |     |     | 14  | 14  | 14  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |               |  |
|              | 80  |                                                |     | 14  | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |               |  |
| Shut-off PSI |     |                                                |     | 310 | 301 | 292 | 284 | 275 | 266 | 258 | 249 | 240 | 223 | 206 | 188 | 171 | 154 | 136 | 119 | 110 | 89  | 67  |     |     |               |  |

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



# FS SERIES SUBMERSIBLE PUMPS

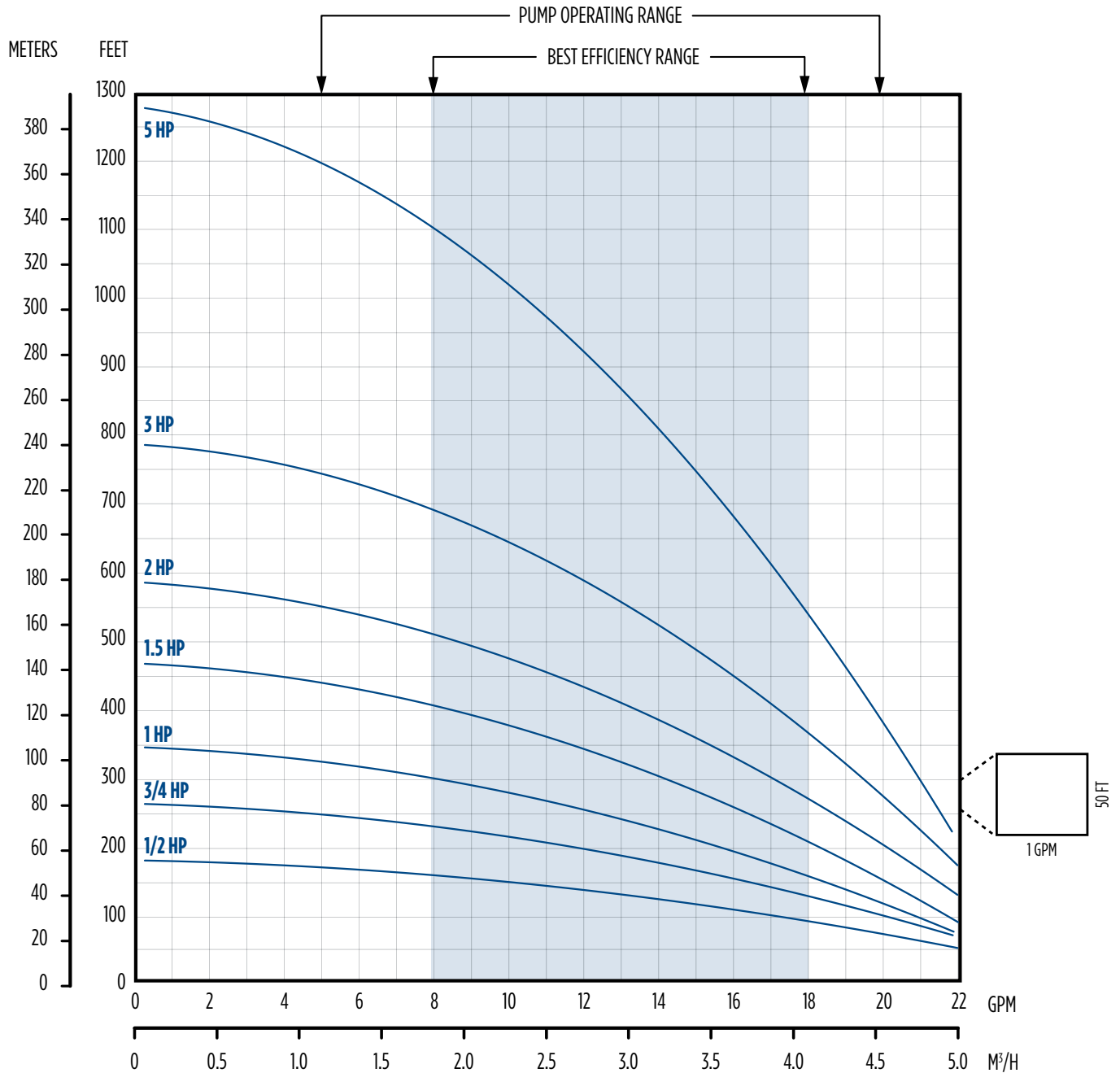
## CAPACITIES (U.S. GPM) - 12 GPM

| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      | Shut-off (ft) |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|---------------|
|              |     | 180                                            | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 |      |               |
| 3            | 0   |                                                |     |     |     |     |     | 14  | 13  | 13  | 13  | 12  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |      |      |      |      |      |      |      |      |      | 1018          |
|              | 10  |                                                |     |     |     |     | 14  | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   |     |     |     |      |      |      |      |      |      |      |      |      |               |
|              | 20  |                                                |     |     |     | 14  | 14  | 13  | 13  | 12  | 12  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |      |      |      |      |      |      |      |      |      |               |
|              | 30  |                                                |     |     |     | 14  | 14  | 13  | 12  | 12  | 12  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |      |      |      |      |      |      |      |      |      |               |
|              | 40  |                                                |     |     | 14  | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |      |      |      |      |      |      |      |      |      |               |
|              | 50  |                                                |     |     | 14  | 14  | 13  | 12  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |      |      |      |      |      |      |      |      |      |               |
|              | 60  |                                                |     | 14  | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |      |      |      |      |      |      |      |      |      |               |
|              | 70  |                                                |     | 14  | 13  | 13  | 12  | 12  | 11  | 10  | 10  | 9   | 8   | 7   | 6   |     |     |     |     |     |      |      |      |      |      |      |      |      |      |               |
| 80           | 14  | 14                                             | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 10  | 9   | 8   | 6   |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |               |
| Shut-off PSI |     | 363                                            | 354 | 337 | 319 | 302 | 285 | 268 | 250 | 233 | 224 | 203 | 181 | 159 | 138 | 116 | 94  | 73  |     |     |      |      |      |      |      |      |      |      |      |               |
| 5            | 0   |                                                |     |     |     |     |     |     | 14  | 14  | 14  | 14  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 10   | 9    | 9    | 8    | 8    | 7    | 7    | 6    | 1620 |               |
|              | 10  |                                                |     |     |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 11  | 10  | 10   | 9    | 9    | 8    | 7    | 7    | 6    |      |      |               |
|              | 20  |                                                |     |     |     |     |     | 14  | 14  | 14  | 14  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9    | 9    | 8    | 8    | 7    | 7    | 6    |      |      |               |
|              | 30  |                                                |     |     |     |     |     | 14  | 14  | 14  | 14  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9    | 9    | 8    | 8    | 7    | 6    | 6    |      |      |               |
|              | 40  |                                                |     |     |     |     | 14  | 14  | 14  | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9    | 8    | 8    | 7    | 7    | 6    |      |      |      |               |
|              | 50  |                                                |     |     |     | 14  | 14  | 14  | 14  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9    | 9    | 8    | 8    | 7    | 6    | 6    |      |      |               |
|              | 60  |                                                |     |     |     | 14  | 14  | 14  | 14  | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9    | 8    | 8    | 7    | 7    | 6    |      |      |      |               |
|              | 70  |                                                |     |     | 14  | 14  | 14  | 14  | 13  | 13  | 13  | 13  | 12  | 12  | 12  | 11  | 11  | 10  | 10  | 9   | 9    | 8    | 8    | 7    | 7    | 6    | 6    |      |      |               |
| 80           |     |                                                |     | 14  | 14  | 14  | 13  | 13  | 13  | 13  | 13  | 12  | 12  | 11  | 11  | 10  | 10  | 10  | 9   | 8   | 8    | 7    | 7    | 6    |      |      |      |      |      |               |
| Shut-off PSI |     |                                                |     |     | 580 | 563 | 545 | 528 | 511 | 494 | 485 | 463 | 442 | 420 | 398 | 377 | 355 | 333 | 312 | 290 | 268  | 247  | 225  | 203  | 182  | 160  | 139  | 117  |      |               |

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

# FS SERIES SUBMERSIBLE PUMPS

## PERFORMANCE - 16 GPM





# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 16 GPM

| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Shut-off (ft) |      |  |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|------|--|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 |               | 1000 |  |
| 1/2          | 0   |                                                |     |     |     | 18  | 15  | 12  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 167  |  |
|              | 10  |                                                |     |     | 17  | 15  | 12  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 20  |                                                |     | 17  | 14  | 11  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 30  |                                                | 16  | 14  | 11  | 7   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 40  | 16                                             | 13  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 50  | 13                                             | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 60  | 9                                              |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| Shut-off PSI |     | 72                                             | 64  | 55  | 46  | 38  | 29  | 20  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| 3/4          | 0   |                                                |     |     |     |     |     | 17  | 16  | 14  | 12  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 252  |  |
|              | 10  |                                                |     |     |     |     | 17  | 16  | 14  | 12  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 20  |                                                |     |     | 18  | 17  | 15  | 14  | 12  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 30  |                                                |     | 18  | 17  | 15  | 13  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 40  |                                                | 18  | 17  | 15  | 13  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 50  | 18                                             | 16  | 15  | 13  | 11  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 60  | 16                                             | 14  | 12  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 70  | 14                                             | 12  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 80  | 12                                             | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| Shut-off PSI |     | 109                                            | 100 | 92  | 83  | 74  | 66  | 57  | 48  | 40  | 31  | 23  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| 1            | 0   |                                                |     |     |     |     |     | 18  | 17  | 16  | 15  | 12  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 336  |  |
|              | 10  |                                                |     |     |     |     | 18  | 17  | 16  | 15  | 13  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 20  |                                                |     |     |     | 18  | 17  | 16  | 14  | 13  | 12  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 30  |                                                |     |     | 18  | 17  | 15  | 14  | 13  | 11  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 40  |                                                |     | 18  | 16  | 15  | 14  | 13  | 11  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 50  |                                                | 18  | 17  | 16  | 15  | 14  | 12  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 60  | 18                                             | 17  | 16  | 15  | 14  | 12  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 70  | 17                                             | 16  | 15  | 13  | 12  | 10  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 80  | 16                                             | 15  | 13  | 12  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| Shut-off PSI |     | 145                                            | 137 | 128 | 119 | 111 | 102 | 94  | 85  | 76  | 68  | 59  | 42  | 24  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| 1.5          | 0   |                                                |     |     |     |     |     |     | 18  | 16  | 15  | 13  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 458  |  |
|              | 10  |                                                |     |     |     |     |     | 18  | 18  | 17  | 15  | 13  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 20  |                                                |     |     |     |     | 18  | 18  | 17  | 16  | 14  | 12  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 30  |                                                |     |     |     |     | 18  | 17  | 17  | 16  | 15  | 13  | 11  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 40  |                                                |     |     |     | 18  | 17  | 17  | 16  | 15  | 14  | 12  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 50  |                                                |     |     | 18  | 17  | 16  | 16  | 15  | 14  | 13  | 11  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 60  |                                                |     | 18  | 17  | 16  | 15  | 15  | 14  | 13  | 12  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 70  |                                                | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
|              | 80  | 18                                             | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 10  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |
| Shut-off PSI |     | 198                                            | 190 | 181 | 172 | 164 | 155 | 146 | 138 | 129 | 120 | 112 | 94  | 77  | 60  | 42  | 25  |     |     |     |     |     |     |     |     |     |     |     |     |               |      |  |

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

# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 16 GPM

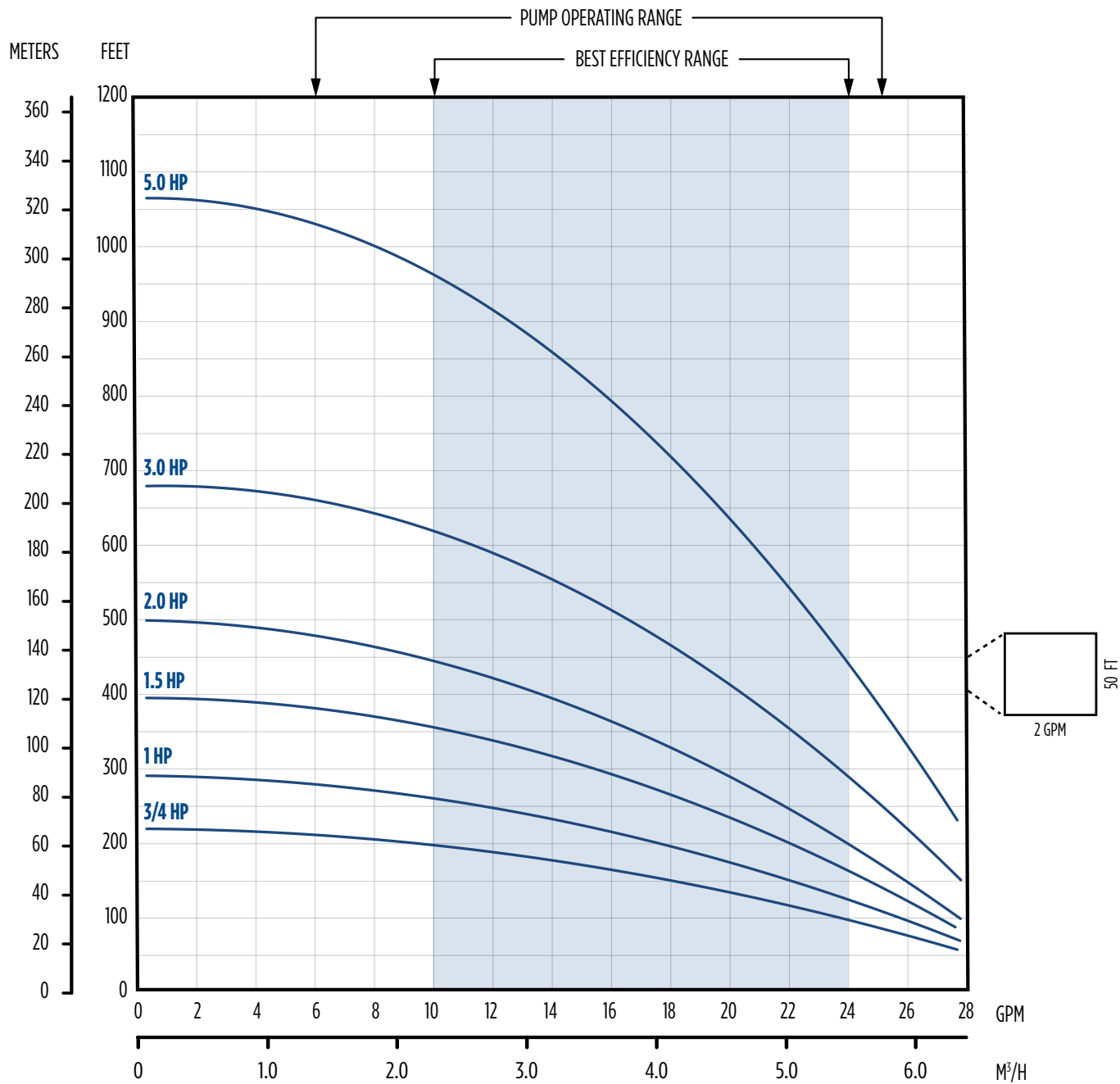
| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      | Shut-off (ft) |      |      |     |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|---------------|------|------|-----|
|              |     | 40                                             | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 |               | 1100 |      |     |
| 2            | 0   |                                                |     |     |     |     |     |     |     |     |     | 17  | 16  | 15  | 13  | 11  | 9   | 8   |     |     |     |     |     |     |     |     |     |      |      |               |      |      | 582 |
|              | 10  |                                                |     |     |     |     |     |     |     |     | 18  | 17  | 15  | 14  | 12  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 20  |                                                |     |     |     |     |     |     |     | 18  | 17  | 16  | 14  | 13  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 30  |                                                |     |     |     |     |     |     | 18  | 18  | 16  | 15  | 13  | 12  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 40  |                                                |     |     |     |     |     | 18  | 18  | 17  | 16  | 14  | 13  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 50  |                                                |     |     |     |     | 18  | 17  | 17  | 16  | 15  | 13  | 11  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 60  |                                                |     |     |     | 18  | 17  | 17  | 16  | 15  | 14  | 12  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 70  |                                                |     |     | 18  | 17  | 17  | 16  | 15  | 15  | 13  | 11  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 80  |                                                | 18  | 18  | 17  | 17  | 16  | 15  | 14  | 14  | 12  | 10  | 8   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
| Shut-off PSI |     |                                                | 226 | 217 | 209 | 200 | 191 | 183 | 174 | 165 | 148 | 131 | 113 | 96  | 79  | 61  | 44  | 35  |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
| 3            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     | 18  | 17  | 16  | 15  | 14  | 13  | 11  | 10  |     |     |     |     |     |     |      |      |               |      | 786  |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     | 18  | 17  | 16  | 15  | 14  | 14  | 12  | 11  | 9   |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 10  | 8   |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 9   |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     | 18  | 17  | 16  | 15  | 14  | 12  | 12  | 10  | 8   |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 50  |                                                |     |     |     |     |     |     |     |     | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 9   |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 60  |                                                |     |     |     |     |     |     |     | 18  | 18  | 17  | 16  | 14  | 13  | 12  | 11  | 10  | 8   |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 70  |                                                |     |     |     |     |     |     | 18  | 18  | 17  | 16  | 15  | 14  | 13  | 11  | 10  | 9   |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
|              | 80  |                                                |     |     |     |     |     | 18  | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 9   | 8   |     |     |     |     |     |     |     |     |     |      |      |               |      |      |     |
| Shut-off PSI |     |                                                |     |     |     |     |     | 271 | 262 | 254 | 236 | 219 | 202 | 184 | 167 | 150 | 132 | 124 | 102 | 81  | 59  |     |     |     |     |     |     |      |      |               |      |      |     |
| 5            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 17  | 16  | 16  | 15  | 14  | 13  | 12  | 12  | 11   | 9    | 8             |      | 1290 |     |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 18  | 17  | 16  | 15  | 15  | 14  | 13  | 12  | 11   | 10   | 9             | 8    |      |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 17  | 17  | 16  | 15  | 14  | 13  | 13  | 12  | 11   | 9    | 8             |      |      |     |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 18  | 17  | 16  | 15  | 15  | 14  | 13  | 12  | 11   | 10   | 9             | 8    |      |     |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 17  | 17  | 16  | 15  | 14  | 13  | 13  | 12  | 11   | 10   | 8             |      |      |     |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 17  | 17  | 16  | 16  | 15  | 14  | 13  | 12  | 11   | 10   | 9             | 8    |      |     |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 17  | 17  | 17  | 16  | 15  | 14  | 14  | 13  | 12  | 11   | 10   | 8             |      |      |     |
|              | 70  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 17  | 17  | 16  | 16  | 15  | 14  | 13  | 12  | 11  | 10   | 9    | 8             |      |      |     |
|              | 80  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 18  | 18  | 17  | 17  | 16  | 16  | 15  | 14  | 14  | 13  | 12   | 11   | 10            | 9    |      |     |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     |     |     |     | 420 | 403 | 385 | 368 | 351 | 342 | 320 | 299 | 277 | 255 | 234 | 212 | 190 | 169 | 147 | 126  | 104  | 82            |      |      |     |

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



## FS SERIES SUBMERSIBLE PUMPS

PERFORMANCE - 18 GPM



# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 18 GPM

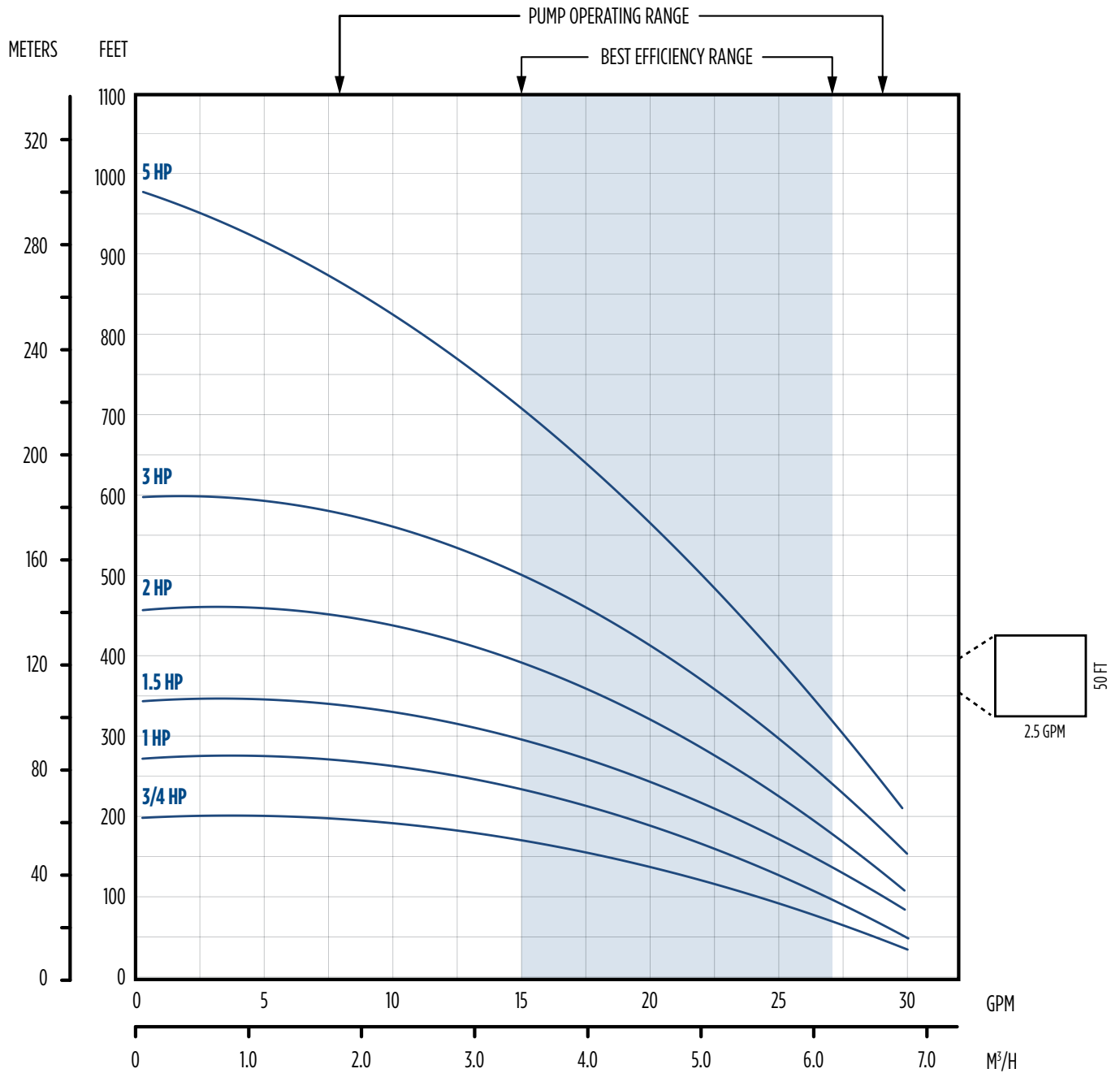
| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Shut-off (ft) |    |    |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|----|----|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 |               |    |    |
| 3/4          | 0   |                                                |     |     |     | 25  | 23  | 21  | 19  | 16  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 216           |    |    |
|              | 10  |                                                |     |     | 25  | 23  | 21  | 18  | 15  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 20  |                                                |     | 25  | 23  | 20  | 18  | 15  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 30  |                                                | 24  | 22  | 20  | 17  | 14  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 40  | 24                                             | 22  | 20  | 17  | 14  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 50  | 22                                             | 19  | 17  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 60  | 19                                             | 16  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 80  | 16                                             | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| Shut-off PSI |     | 94                                             | 85  | 76  | 68  | 59  | 50  | 42  | 33  | 24  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| 1            | 0   |                                                |     |     |     | 27  | 25  | 24  | 22  | 21  | 19  | 17  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 288           |    |    |
|              | 10  |                                                |     |     |     | 25  | 24  | 22  | 21  | 19  | 17  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 20  |                                                |     |     | 25  | 23  | 22  | 20  | 18  | 16  | 14  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 30  |                                                |     | 25  | 23  | 22  | 20  | 18  | 16  | 14  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 40  |                                                | 24  | 23  | 21  | 20  | 18  | 16  | 13  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 50  | 24                                             | 23  | 21  | 19  | 18  | 15  | 13  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 60  | 23                                             | 21  | 19  | 17  | 15  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 80  | 21                                             | 19  | 17  | 15  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| Shut-off PSI |     | 125                                            | 116 | 107 | 99  | 90  | 81  | 73  | 64  | 55  | 47  | 38  | 21  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| 1.5          | 0   |                                                |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 19  | 17  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 395           |    |    |
|              | 10  |                                                |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 20  | 18  | 15  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 20  |                                                |     |     |     |     |     | 25  | 24  | 22  | 21  | 20  | 19  | 16  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 30  |                                                |     |     |     | 25  | 24  | 23  | 22  | 21  | 20  | 19  | 17  | 14  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 40  |                                                |     |     | 25  | 24  | 23  | 22  | 21  | 20  | 19  | 17  | 16  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 50  |                                                | 25  | 24  | 23  | 22  | 21  | 20  | 18  | 17  | 15  | 14  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 60  | 25                                             | 24  | 23  | 22  | 21  | 19  | 18  | 17  | 15  | 13  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 80  | 24                                             | 23  | 22  | 20  | 19  | 18  | 16  | 15  | 13  | 11  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| Shut-off PSI |     | 171                                            | 162 | 154 | 145 | 136 | 128 | 119 | 110 | 102 | 93  | 84  | 67  | 50  | 32  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| 2            | 0   |                                                |     |     |     |     |     |     |     | 25  | 24  | 22  | 20  | 18  | 16  | 13  | 10  |     |     |     |     |     |     |     |     |     |     |     |     | 499           |    |    |
|              | 10  |                                                |     |     |     |     |     |     |     | 25  | 24  | 23  | 21  | 19  | 17  | 14  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 20  |                                                |     |     |     |     |     |     |     | 25  | 24  | 23  | 23  | 22  | 20  | 18  | 16  | 13  |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 30  |                                                |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 22  | 21  | 19  | 17  | 14  | 11  |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 40  |                                                |     |     |     |     | 25  | 24  | 23  | 22  | 21  | 21  | 20  | 18  | 15  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 50  |                                                |     |     |     | 25  | 24  | 23  | 22  | 21  | 20  | 19  | 18  | 16  | 14  | 10  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 60  |                                                |     |     | 25  | 24  | 23  | 22  | 21  | 20  | 19  | 18  | 17  | 15  | 12  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
|              | 80  | 25                                             | 24  | 23  | 22  | 21  | 20  | 19  | 18  | 17  | 16  | 13  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| Shut-off PSI |     | 216                                            | 207 | 199 | 190 | 181 | 173 | 164 | 155 | 147 | 138 | 129 | 112 | 95  | 77  | 60  | 43  | 26  |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| 3            | 0   |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 20  | 19  | 17  | 16  | 14  | 11  |     |     |     |     |     |     |     | 686           |    |    |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 23  | 22  | 21  | 19  | 18  | 16  | 15  | 13  |     |     |     |     |     |     |     |     |               |    |    |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 21  | 20  | 19  | 17  | 15  | 14  | 11  |     |     |     |     |     |     |     |               |    |    |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 21  | 19  | 18  | 16  | 14  | 13  | 10  |     |     |     |     |     |     |               |    |    |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 24  | 23  | 21  | 20  | 18  | 17  | 15  | 13  | 12  |     |     |     |     |     |     |               |    |    |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 24  | 23  | 22  | 20  | 19  | 17  | 16  | 14  | 11  | 10  |     |     |     |     |     |               |    |    |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 24  | 23  | 22  | 21  | 20  | 18  | 16  | 15  | 12  | 10  |     |     |     |     |     |               |    |    |
|              | 80  |                                                |     |     |     |     | 25  | 24  | 23  | 23  | 22  | 21  | 21  | 19  | 18  | 16  | 14  | 12  |     |     |     |     |     |     |     |     |     |     |     |               |    |    |
| Shut-off PSI |     |                                                |     |     |     | 262 | 254 | 245 | 236 | 228 | 219 | 210 | 193 | 176 | 158 | 141 | 124 | 106 | 89  | 81  | 59  | 37  |     |     |     |     |     |     |     |               |    |    |
| 5            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 23  | 22  | 21  | 20  | 18  | 17  | 16  | 14  | 12  | 10  | 1078          |    |    |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 23  | 22  | 21  | 20  | 19  | 18  | 16  | 15  | 13  | 12  |               |    |    |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 22  | 21  | 20  | 18  | 17  | 16  | 14  | 13  | 11  |               |    |    |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 23  | 22  | 21  | 20  | 19  | 18  | 17  | 15  | 14  | 12  |               | 10 |    |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 22  | 21  | 21  | 20  | 19  | 17  | 16  | 14  | 13  | 11  |               |    |    |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 25  | 24  | 23  | 22  | 22  | 21  | 20  | 19  | 18  | 17  | 15  | 14  |               | 12 | 10 |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 24  | 23  | 22  | 21  | 20  | 20  | 19  | 17  | 16  | 15  | 13  |               | 11 |    |
|              | 80  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 25  | 24  | 23  | 23  | 22  | 21  | 21  | 20  | 19  | 18  | 17  | 15  | 13  |               | 11 |    |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     |     |     |     | 380 | 363 | 345 | 328 | 311 | 294 | 276 | 259 | 250 | 229 | 207 | 185 | 164 | 142 | 120 | 99  | 77  | 55            |    |    |

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



## FS SERIES SUBMERSIBLE PUMPS

PERFORMANCE - 22 GPM



# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 22 GPM

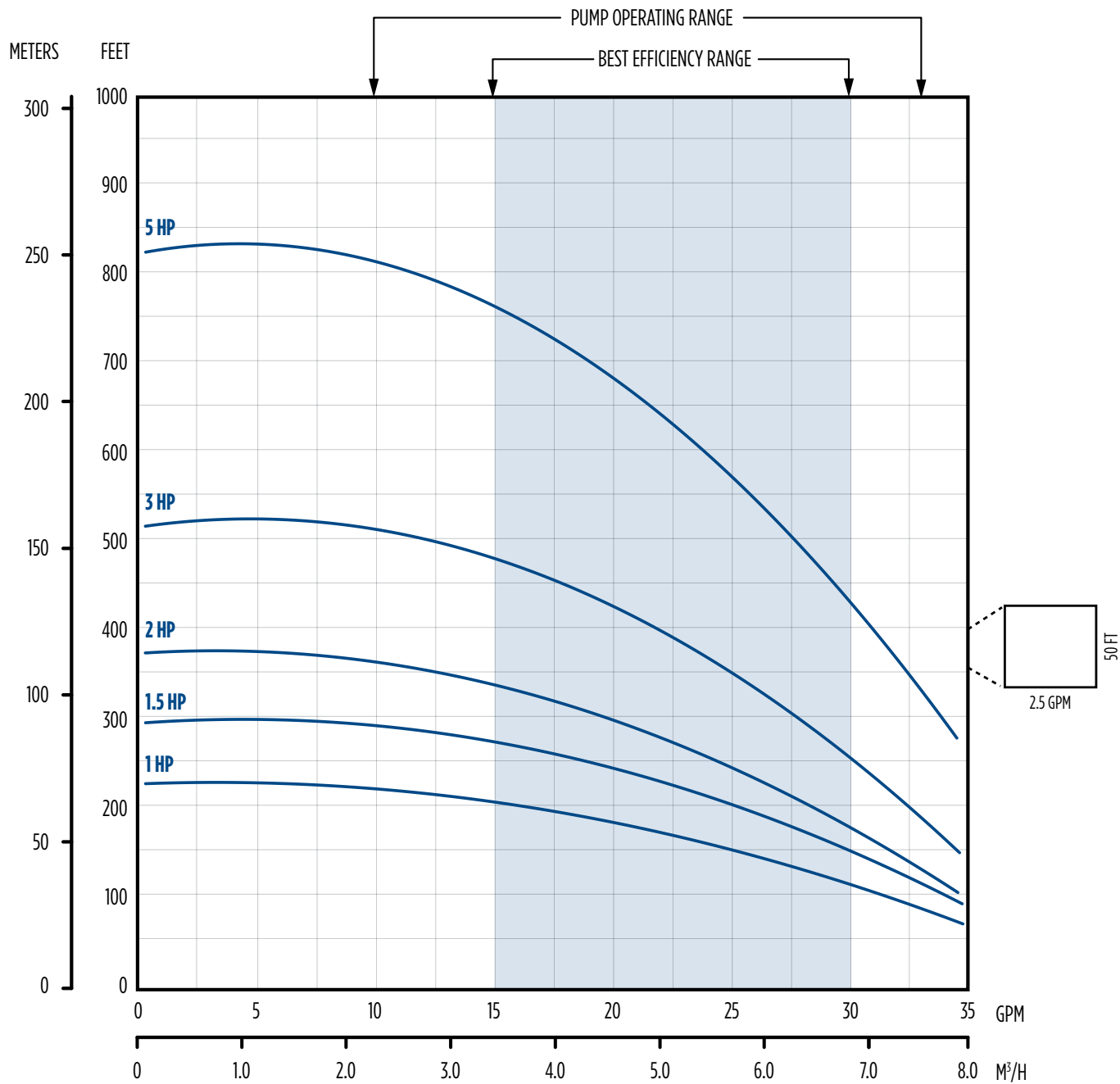
| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | Shut-off (ft) |     |
| 3/4          | 0   |                                                |     | 28  | 27  | 25  | 23  | 21  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     | 186           |     |
|              | 10  | 30                                             | 28  | 26  | 25  | 23  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 20  | 28                                             | 26  | 24  | 22  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 30  | 26                                             | 24  | 22  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 40  | 24                                             | 21  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 50  | 21                                             | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| 60           |     | 18                                             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| Shut-off PSI |     | 81                                             | 72  | 63  | 55  | 46  | 37  | 29  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| 1            | 0   |                                                |     |     | 29  | 27  | 26  | 25  | 23  | 21  | 20  | 18  |     |     |     |     |     |     |     |     |     |     | 260           |     |
|              | 10  |                                                |     | 28  | 27  | 26  | 24  | 23  | 21  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 20  |                                                | 28  | 27  | 26  | 24  | 23  | 21  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 30  | 28                                             | 27  | 25  | 24  | 22  | 21  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 40  | 26                                             | 25  | 24  | 22  | 20  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 50  | 25                                             | 23  | 22  | 20  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 60  | 23                                             | 22  | 20  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 70  | 21                                             | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| 80           |     | 19                                             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| Shut-off PSI |     | 113                                            | 104 | 95  | 87  | 78  | 69  | 61  | 52  | 43  | 35  | 26  |     |     |     |     |     |     |     |     |     |     |               |     |
| 1.5          | 0   |                                                |     |     |     | 29  | 28  | 27  | 26  | 25  | 24  | 22  | 19  |     |     |     |     |     |     |     |     |     | 333           |     |
|              | 10  |                                                |     |     | 29  | 28  | 27  | 26  | 25  | 24  | 22  | 21  |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 20  |                                                |     | 29  | 28  | 27  | 26  | 25  | 23  | 22  | 20  | 19  |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 30  |                                                | 29  | 28  | 27  | 26  | 24  | 23  | 22  | 20  | 19  |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 40  | 29                                             | 28  | 27  | 25  | 24  | 23  | 21  | 20  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 50  | 28                                             | 26  | 25  | 24  | 23  | 21  | 20  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 60  | 26                                             | 25  | 24  | 22  | 21  | 19  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 70  | 25                                             | 24  | 22  | 21  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| 80           |     | 23                                             | 22  | 21  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| Shut-off PSI |     | 144                                            | 135 | 127 | 118 | 110 | 101 | 92  | 84  | 75  | 66  | 58  | 40  |     |     |     |     |     |     |     |     |     |               |     |
| 2            | 0   |                                                |     |     |     |     |     | 29  | 28  | 27  | 26  | 25  | 24  | 22  | 19  |     |     |     |     |     |     |     | 446           |     |
|              | 10  |                                                |     |     |     |     | 29  | 28  | 27  | 26  | 25  | 25  | 23  | 20  | 18  |     |     |     |     |     |     |     |               |     |
|              | 20  |                                                |     |     | 29  | 29  | 28  | 27  | 26  | 25  | 24  | 23  | 21  | 19  |     |     |     |     |     |     |     |     |               |     |
|              | 30  |                                                |     | 29  | 29  | 28  | 27  | 26  | 25  | 24  | 23  | 22  | 20  |     |     |     |     |     |     |     |     |     |               |     |
|              | 40  |                                                | 29  | 28  | 28  | 27  | 26  | 25  | 24  | 23  | 22  | 21  | 19  |     |     |     |     |     |     |     |     |     |               |     |
|              | 50  | 29                                             | 28  | 28  | 27  | 26  | 25  | 24  | 23  | 22  | 21  | 20  |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 60  | 28                                             | 27  | 27  | 26  | 25  | 24  | 23  | 22  | 21  | 19  | 18  |     |     |     |     |     |     |     |     |     |     |               |     |
|              | 70  | 27                                             | 26  | 26  | 25  | 24  | 23  | 22  | 20  | 19  | 18  |     |     |     |     |     |     |     |     |     |     |     |               |     |
| 80           |     | 26                                             | 25  | 24  | 24  | 22  | 21  | 20  | 19  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |
| Shut-off PSI |     | 193                                            | 184 | 176 | 167 | 158 | 150 | 141 | 132 | 124 | 115 | 106 | 89  | 72  | 55  |     |     |     |     |     |     |     |               |     |
| 3            | 0   |                                                |     |     |     |     |     |     |     | 29  | 29  | 28  | 27  | 25  | 24  | 22  | 20  | 18  |     |     |     |     | 588           |     |
|              | 10  |                                                |     |     |     |     |     |     |     | 29  | 29  | 28  | 27  | 26  | 24  | 23  | 21  | 19  |     |     |     |     |               |     |
|              | 20  |                                                |     |     |     |     |     |     | 29  | 29  | 28  | 27  | 26  | 25  | 23  | 22  | 20  | 18  |     |     |     |     |               |     |
|              | 30  |                                                |     |     |     |     | 29  | 28  | 28  | 27  | 26  | 26  | 24  | 22  | 21  | 19  | 16  |     |     |     |     |     |               |     |
|              | 40  |                                                |     |     |     | 29  | 28  | 28  | 27  | 26  | 25  | 25  | 23  | 21  | 20  | 17  |     |     |     |     |     |     |               |     |
|              | 50  |                                                |     |     | 29  | 28  | 28  | 27  | 26  | 25  | 25  | 24  | 22  | 20  | 18  |     |     |     |     |     |     |     |               |     |
|              | 60  |                                                | 29  | 29  | 28  | 27  | 27  | 26  | 25  | 24  | 24  | 23  | 21  | 19  |     |     |     |     |     |     |     |     |               |     |
|              | 70  | 29                                             | 29  | 28  | 27  | 27  | 26  | 25  | 24  | 24  | 23  | 22  | 20  | 18  |     |     |     |     |     |     |     |     |               |     |
| 80           |     | 29                                             | 28  | 27  | 27  | 26  | 25  | 24  | 23  | 23  | 22  | 21  | 19  |     |     |     |     |     |     |     |     |     |               |     |
| Shut-off PSI |     | 255                                            | 246 | 237 | 229 | 220 | 211 | 203 | 194 | 185 | 177 | 168 | 151 | 133 | 116 | 99  | 81  | 64  |     |     |     |     |               |     |
| 5            | 0   |                                                |     |     |     |     |     |     |     |     |     |     | 29  | 28  | 27  | 26  | 25  | 23  | 22  |     | 22  | 20  | 19            | 965 |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     | 29  | 28  | 27  | 26  | 25  | 24  | 23  | 22  | 21  | 19  | 18            |     |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     | 29  | 29  | 28  | 27  | 26  | 24  | 23  | 22  | 21  | 20  | 19  |               |     |
|              | 30  |                                                |     |     |     |     |     |     |     |     | 29  | 29  | 28  | 27  | 26  | 25  | 24  | 23  | 21  | 20  | 20  | 18  |               |     |
|              | 40  |                                                |     |     |     |     |     |     | 29  | 28  | 28  | 27  | 26  | 25  | 24  | 23  | 22  | 21  | 19  | 19  |     |     |               |     |
|              | 50  |                                                |     |     |     |     |     | 29  | 28  | 28  | 27  | 27  | 26  | 25  | 24  | 22  | 21  | 20  | 19  | 18  |     |     |               |     |
|              | 60  |                                                |     |     |     |     | 29  | 28  | 28  | 27  | 27  | 26  | 25  | 24  | 23  | 22  | 21  | 19  | 18  |     |     |     |               |     |
|              | 70  |                                                |     |     |     | 29  | 28  | 28  | 27  | 27  | 26  | 26  | 25  | 23  | 22  | 21  | 20  | 19  |     |     |     |     |               |     |
| 80           |     |                                                |     |     | 29  | 28  | 28  | 27  | 27  | 26  | 26  | 25  | 24  | 23  | 22  | 20  | 19  | 18  |     |     |     |     |               |     |
| Shut-off PSI |     |                                                |     |     | 392 | 383 | 374 | 366 | 357 | 348 | 340 | 331 | 314 | 297 | 279 | 262 | 245 | 227 | 210 | 201 | 180 | 158 |               |     |

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



## FS SERIES SUBMERSIBLE PUMPS

PERFORMANCE - 26 GPM



# FS SERIES SUBMERSIBLE PUMPS

## CAPACITIES (U.S. GPM) - 26 GPM

| HP           | PSI | Depth to Pumping Water Level, or Lift, in Feet |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|--------------|-----|------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|--|
|              |     | 0                                              | 20  | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 500 | 550 | 600 | 650 | 700 | 750 | Shut-off (ft) |     |  |
| 1            | 0   |                                                |     |     |     |     | 31  | 29  | 26  | 23  | 20  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |               | 221 |  |
|              | 10  |                                                |     |     |     | 31  | 28  | 26  | 23  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 20  |                                                |     |     | 30  | 28  | 25  | 22  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 30  |                                                |     | 30  | 27  | 25  | 22  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 40  |                                                | 29  | 27  | 24  | 21  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 50  | 29                                             | 27  | 24  | 20  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 60  | 26                                             | 23  | 20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 70  | 23                                             | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 80  | 19                                             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
| Shut-off PSI |     | 96                                             | 87  | 78  | 70  | 61  | 52  | 44  | 35  | 26  | 18  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
| 1.5          | 0   |                                                |     |     |     |     |     |     | 30  | 29  | 27  | 25  | 20  |     |     |     |     |     |     |     |     |     |     |     |     | 289           |     |  |
|              | 10  |                                                |     |     |     |     |     | 30  | 28  | 27  | 24  | 22  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 20  |                                                |     |     |     |     | 30  | 28  | 26  | 24  | 22  | 19  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 30  |                                                |     |     | 30  | 28  | 26  | 24  | 21  | 18  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 40  |                                                |     |     | 29  | 28  | 26  | 23  | 21  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 50  |                                                |     | 29  | 27  | 25  | 23  | 21  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 60  |                                                | 29  | 27  | 25  | 23  | 20  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 70  | 29                                             | 27  | 25  | 22  | 20  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 80  | 26                                             | 24  | 22  | 19  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
| Shut-off PSI |     | 125                                            | 116 | 108 | 99  | 90  | 82  | 73  | 65  | 56  | 47  | 39  | 21  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
| 2            | 0   |                                                |     |     |     |     |     |     |     | 31  | 29  | 28  | 25  | 21  | 17  |     |     |     |     |     |     |     |     |     |     | 368           |     |  |
|              | 10  |                                                |     |     |     |     |     |     |     | 29  | 28  | 26  | 23  | 19  |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 20  |                                                |     |     |     |     |     | 30  | 29  | 28  | 26  | 24  | 21  | 16  |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 30  |                                                |     |     |     |     | 30  | 29  | 27  | 26  | 24  | 22  | 18  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 40  |                                                |     |     |     | 30  | 29  | 27  | 26  | 24  | 22  | 20  | 15  |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 50  |                                                |     |     | 30  | 28  | 27  | 25  | 24  | 22  | 20  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 60  |                                                |     | 30  | 28  | 27  | 25  | 23  | 22  | 19  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 70  |                                                | 29  | 28  | 26  | 25  | 23  | 21  | 19  | 17  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 80  | 29                                             | 28  | 26  | 25  | 23  | 21  | 19  | 16  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
| Shut-off PSI |     | 159                                            | 151 | 142 | 133 | 125 | 116 | 107 | 99  | 90  | 81  | 73  | 55  | 38  | 21  |     |     |     |     |     |     |     |     |     |     |               |     |  |
| 3            | 0   |                                                |     |     |     |     |     |     |     |     |     | 30  | 29  | 27  | 24  | 22  | 19  |     |     |     |     |     |     |     | 510 |               |     |  |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     | 29  | 27  | 25  | 23  | 20  | 16  |     |     |     |     |     |     |     |     |               |     |  |
|              | 20  |                                                |     |     |     |     |     |     |     |     | 30  | 28  | 26  | 24  | 21  | 18  |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 30  |                                                |     |     |     |     |     |     |     | 30  | 29  | 27  | 25  | 22  | 19  | 16  |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 40  |                                                |     |     |     |     |     |     |     | 30  | 29  | 28  | 26  | 23  | 21  | 17  |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 50  |                                                |     |     |     |     |     |     |     | 30  | 29  | 28  | 27  | 24  | 22  | 19  | 15  |     |     |     |     |     |     |     |     |               |     |  |
|              | 60  |                                                |     |     |     |     |     |     |     | 30  | 29  | 28  | 27  | 25  | 23  | 20  | 17  |     |     |     |     |     |     |     |     |               |     |  |
|              | 70  |                                                |     |     |     | 30  | 29  | 28  | 27  | 26  | 25  | 24  | 21  | 18  |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
|              | 80  |                                                |     |     | 30  | 29  | 28  | 27  | 26  | 25  | 24  | 23  | 20  | 16  |     |     |     |     |     |     |     |     |     |     |     |               |     |  |
| Shut-off PSI |     |                                                |     |     | 195 | 186 | 177 | 169 | 160 | 152 | 143 | 134 | 117 | 100 | 82  | 65  | 48  | 30  |     |     |     |     |     |     |     |               |     |  |
| 5            | 0   |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  | 28  | 28  | 26  | 24  | 21  | 19  | 16  | 818 |               |     |  |
|              | 10  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  | 29  | 27  | 27  | 25  | 23  | 20  | 18  |     |               |     |  |
|              | 20  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 29  | 28  | 27  | 26  | 24  | 22  | 19  | 16  |     |               |     |  |
|              | 30  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  | 29  | 27  | 26  | 25  | 23  | 21  | 18  |     |               |     |  |
|              | 40  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  | 29  | 28  | 26  | 25  | 24  | 22  | 19  |     | 16            |     |  |
|              | 50  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  | 28  | 27  | 25  | 24  | 23  | 21  | 18  |     |               |     |  |
|              | 60  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  | 29  | 28  | 26  | 25  | 23  | 22  | 20  |     | 17            |     |  |
|              | 70  |                                                |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 29  | 28  | 27  | 25  | 24  | 22  | 21  | 18  |     |               |     |  |
|              | 80  |                                                |     |     |     |     |     |     |     |     |     |     | 30  | 29  | 27  | 26  | 24  | 23  | 21  | 20  | 17  |     |     |     |     |               |     |  |
| Shut-off PSI |     |                                                |     |     |     |     |     |     |     |     |     |     | 250 | 233 | 216 | 198 | 181 | 164 | 146 | 138 | 116 | 94  | 73  | 51  | 29  |               |     |  |

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

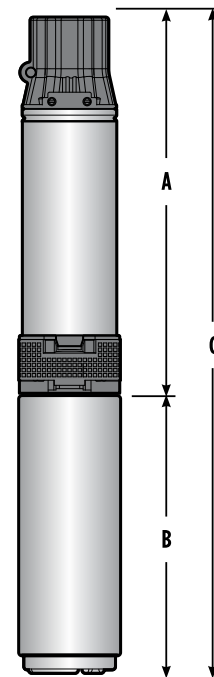


## FS SERIES SUBMERSIBLE PUMPS

### THERMOPLASTIC DIMENSIONS

| GPM | HP  | Stages | 2-Wire          |       |       |           |     |  | 3-Wire          |       |       |           |     |  |
|-----|-----|--------|-----------------|-------|-------|-----------|-----|--|-----------------|-------|-------|-----------|-----|--|
|     |     |        | Dimensions (in) |       |       | Wt. (lbs) |     |  | Dimensions (in) |       |       | Wt. (lbs) |     |  |
|     |     |        | A               | B     | C     | PE        | PMA |  | A               | B     | C     | PE        | PMA |  |
| 5   | 1/2 | 8      | 13.98           | 9.51  | 23.49 | 8         | 26  |  | 13.98           | 9.51  | 23.49 | 8         | 26  |  |
|     | 3/4 | 12     | 17.67           | 10.64 | 28.31 | 9         | 30  |  | 17.67           | 10.64 | 28.31 | 9         | 30  |  |
|     | 1   | 15     | 20.14           | 11.73 | 31.87 | 10        | 34  |  | 20.14           | 11.73 | 31.87 | 10        | 34  |  |
|     | 1.5 | 21     | 25.06           | 15.10 | 40.16 | 12        | 43  |  | 25.06           | 13.60 | 38.66 | 12        | 43  |  |
| 8   | 1/2 | 7      | 13.17           | 9.51  | 22.68 | 7         | 25  |  | 13.17           | 9.51  | 22.68 | 7         | 25  |  |
|     | 3/4 | 10     | 15.63           | 10.64 | 26.27 | 8         | 29  |  | 15.63           | 10.64 | 26.27 | 8         | 29  |  |
|     | 1   | 13     | 18.49           | 11.73 | 30.22 | 10        | 34  |  | 18.49           | 11.73 | 30.22 | 10        | 34  |  |
|     | 1.5 | 18     | 22.60           | 15.10 | 37.70 | 11        | 42  |  | 22.60           | 13.60 | 36.20 | 11        | 39  |  |
| 10  | 1/2 | 7      | 13.17           | 9.51  | 22.68 | 7         | 25  |  | 13.17           | 9.51  | 22.68 | 7         | 26  |  |
|     | 3/4 | 10     | 15.63           | 10.64 | 26.27 | 8         | 29  |  | 15.63           | 10.64 | 26.27 | 8         | 29  |  |
|     | 1   | 13     | 18.49           | 11.73 | 30.22 | 9         | 33  |  | 18.49           | 11.73 | 30.22 | 9         | 33  |  |
|     | 1.5 | 17     | 22.60           | 15.10 | 37.70 | 10        | 41  |  | 21.78           | 13.60 | 35.38 | 10        | 38  |  |
| 12  | 1/2 | 6      | 12.84           | 9.51  | 22.35 | 7         | 25  |  | 12.84           | 9.51  | 22.35 | 7         | 25  |  |
|     | 3/4 | 8      | 14.64           | 10.64 | 25.28 | 8         | 29  |  | 14.64           | 10.64 | 25.28 | 8         | 29  |  |
|     | 1   | 11     | 17.76           | 11.73 | 29.49 | 9         | 33  |  | 17.76           | 11.73 | 29.49 | 9         | 33  |  |
|     | 1.5 | 15     | 21.37           | 15.10 | 36.47 | 10        | 41  |  | 21.37           | 13.60 | 34.97 | 10        | 41  |  |
| 16  | 1/2 | 4      | 11.23           | 9.51  | 20.74 | 6         | 24  |  | 11.23           | 9.51  | 20.74 | 6         | 24  |  |
|     | 3/4 | 6      | 12.94           | 10.64 | 23.58 | 7         | 28  |  | 12.94           | 10.64 | 23.58 | 7         | 28  |  |
|     | 1   | 9      | 15.55           | 11.73 | 27.28 | 8         | 32  |  | 15.55           | 11.73 | 27.28 | 8         | 32  |  |
|     | 1.5 | 11     | 17.76           | 15.10 | 32.86 | 9         | 40  |  | 17.76           | 13.60 | 31.36 | 9         | 40  |  |
| 18  | 3/4 | 6      | 14.76           | 10.64 | 25.40 | 6         | 28  |  | 14.56           | 10.64 | 25.20 | 6         | 28  |  |
|     | 1   | 8      | 17.20           | 11.73 | 28.93 | 8         | 32  |  | 17.00           | 11.73 | 28.73 | 8         | 32  |  |
|     | 1.5 | 11     | 21.28           | 15.10 | 36.38 | 8         | 39  |  | 21.08           | 13.60 | 34.68 | 8         | 39  |  |
| 22  | 3/4 | 5      | 13.53           | 10.64 | 24.17 | 6         | 28  |  | 13.33           | 10.64 | 23.97 | 6         | 28  |  |
|     | 1   | 7      | 15.98           | 11.73 | 27.71 | 8         | 32  |  | 15.78           | 11.73 | 27.51 | 8         | 32  |  |
|     | 1.5 | 10     | 19.65           | 15.10 | 34.75 | 8         | 39  |  | 19.45           | 13.60 | 33.05 | 8         | 39  |  |
| 26  | 1   | 6      | 14.76           | 11.73 | 26.49 | 7         | 31  |  | 14.56           | 11.73 | 26.29 | 7         | 31  |  |
|     | 1.5 | 8      | 17.20           | 15.10 | 32.30 | 8         | 39  |  | 17.00           | 13.60 | 30.60 | 8         | 39  |  |

NOTE: Maximum diameter with cable guard is 3.90"

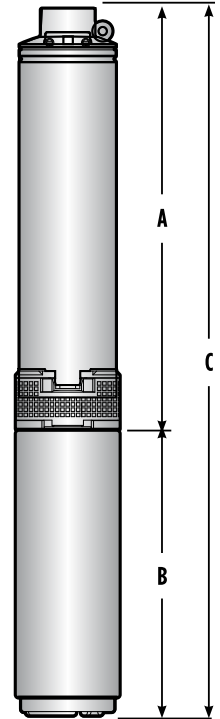


# FS SERIES SUBMERSIBLE PUMPS

## STAINLESS STEEL DIMENSIONS

| GPM | HP  | Stages | 2-Wire          |       |       |           |     | 3-Wire          |       |       |           |     |
|-----|-----|--------|-----------------|-------|-------|-----------|-----|-----------------|-------|-------|-----------|-----|
|     |     |        | Dimensions (in) |       |       | Wt. (lbs) |     | Dimensions (in) |       |       | Wt. (lbs) |     |
|     |     |        | A               | B     | C     | PE        | PMA | A               | B     | C     | PE        | PMA |
| 5   | 1/2 | 8      | 13.68           | 9.51  | 23.19 | 10        | 28  | 13.68           | 9.51  | 23.19 | 10        | 29  |
|     | 3/4 | 12     | 16.94           | 10.64 | 27.58 | 12        | 33  | 16.94           | 10.64 | 27.58 | 12        | 33  |
|     | 1   | 15     | 19.63           | 11.73 | 31.36 | 14        | 38  | 19.63           | 11.73 | 31.36 | 14        | 38  |
|     | 1.5 | 21     | 24.55           | 15.10 | 39.65 | 17        | 48  | 24.55           | 13.60 | 38.15 | 17        | 45  |
|     | 2   | 26     | -               | -     | -     | -         | -   | 30.73           | 15.10 | 45.83 | 20        | -   |
| 8   | 1/2 | 7      | 12.85           | 9.51  | 22.36 | 9         | 27  | 12.85           | 9.51  | 22.36 | 9         | 28  |
|     | 3/4 | 10     | 15.32           | 10.64 | 25.96 | 11        | 32  | 15.32           | 10.64 | 25.96 | 11        | 32  |
|     | 1   | 13     | 17.79           | 11.73 | 29.52 | 13        | 37  | 17.79           | 11.73 | 29.52 | 13        | 37  |
|     | 1.5 | 18     | 22.09           | 15.10 | 37.19 | 15        | 46  | 22.09           | 13.60 | 35.69 | 15        | 43  |
|     | 2   | 24     | -               | -     | -     | -         | -   | 27.02           | 15.10 | 42.12 | 19        | -   |
| 10  | 3   | 32     | -               | -     | -     | -         | -   | 35.66           | 19.04 | 54.70 | 23        | -   |
|     | 1/2 | 7      | 12.86           | 9.51  | 22.37 | 7         | 25  | 12.86           | 9.51  | 22.37 | 9         | 28  |
|     | 3/4 | 10     | 15.32           | 10.64 | 25.96 | 10        | 31  | 15.32           | 10.64 | 25.96 | 10        | 31  |
|     | 1   | 13     | 17.79           | 11.73 | 29.52 | 11        | 35  | 17.79           | 11.73 | 29.52 | 11        | 35  |
|     | 1.5 | 17     | 21.27           | 15.10 | 36.37 | 14        | 45  | 21.27           | 13.60 | 34.87 | 14        | 42  |
| 12  | 2   | 21     | -               | -     | -     | -         | -   | 24.55           | 15.10 | 39.65 | 15        | -   |
|     | 3   | 28     | -               | -     | -     | -         | -   | 32.38           | 19.04 | 51.42 | 16        | -   |
|     | 1/2 | 6      | 12.53           | 9.51  | 22.04 | 7         | 25  | 12.53           | 9.51  | 22.04 | 9         | 28  |
|     | 3/4 | 8      | 14.34           | 10.64 | 24.98 | 10        | 31  | 14.34           | 10.64 | 24.98 | 10        | 31  |
|     | 1   | 11     | 17.05           | 11.73 | 28.78 | 11        | 35  | 17.05           | 11.73 | 28.78 | 11        | 35  |
| 16  | 1.5 | 15     | 20.87           | 15.10 | 35.97 | 14        | 45  | 20.87           | 13.60 | 34.47 | 14        | 42  |
|     | 2   | 18     | -               | -     | -     | -         | -   | 25.65           | 15.10 | 40.75 | 15        | -   |
|     | 3   | 24     | -               | -     | -     | -         | -   | 31.07           | 19.04 | 50.11 | 16        | -   |
|     | 5   | 39     | -               | -     | -     | -         | -   | 44.63           | 29.19 | 73.82 | 23        | -   |
|     | 1/2 | 4      | 10.73           | 9.51  | 20.24 | 7         | 25  | 10.73           | 9.51  | 20.24 | 7         | 26  |
| 18  | 3/4 | 6      | 14.34           | 10.64 | 24.98 | 10        | 31  | 14.34           | 10.64 | 24.98 | 9         | 30  |
|     | 1   | 9      | 15.24           | 11.73 | 26.97 | 11        | 35  | 15.24           | 11.73 | 26.97 | 11        | 35  |
|     | 1.5 | 11     | 17.05           | 15.10 | 32.15 | 14        | 45  | 17.05           | 13.60 | 30.65 | 14        | 42  |
|     | 2   | 14     | -               | -     | -     | -         | -   | 19.76           | 15.10 | 34.86 | 13        | -   |
|     | 3   | 19     | -               | -     | -     | -         | -   | 26.56           | 19.04 | 45.60 | 16        | -   |
| 22  | 5   | 31     | -               | -     | -     | -         | -   | 37.40           | 29.19 | 66.59 | 23        | -   |
|     | 3/4 | 6      | 14.45           | 10.64 | 25.09 | 10        | 31  | 14.45           | 10.64 | 25.09 | 9         | 30  |
|     | 1   | 8      | 16.89           | 11.73 | 28.62 | 11        | 35  | 16.89           | 11.73 | 28.62 | 11        | 35  |
|     | 1.5 | 11     | 20.56           | 15.10 | 35.66 | 14        | 45  | 20.56           | 13.60 | 34.16 | 14        | 42  |
|     | 2   | 14     | -               | -     | -     | -         | -   | 24.23           | 15.10 | 39.33 | 13        | -   |
| 26  | 3   | 19     | -               | -     | -     | -         | -   | 32.62           | 19.04 | 51.66 | 16        | -   |
|     | 5   | 30     | -               | -     | -     | -         | -   | 46.06           | 29.19 | 75.25 | 23        | -   |
|     | 3/4 | 5      | 13.23           | 10.64 | 23.87 | 8         | 29  | 13.23           | 10.64 | 23.87 | 8         | 29  |
|     | 1   | 7      | 15.67           | 11.73 | 27.40 | 9         | 33  | 15.67           | 11.73 | 27.40 | 9         | 33  |
|     | 1.5 | 10     | 19.38           | 15.10 | 34.48 | 11        | 42  | 19.38           | 13.60 | 32.98 | 11        | 39  |
|     | 2   | 12     | -               | -     | -     | -         | -   | 21.78           | 15.10 | 36.88 | 12        | -   |
|     | 3   | 16     | -               | -     | -     | -         | -   | 26.87           | 19.04 | 45.91 | 14        | -   |
|     | 5   | 26     | -               | -     | -     | -         | -   | 41.17           | 29.19 | 70.36 | 20        | -   |
|     | 1   | 6      | 14.45           | 11.73 | 26.18 | 9         | 33  | 14.45           | 11.73 | 26.18 | 9         | 33  |
|     | 1.5 | 8      | 16.89           | 15.10 | 31.99 | 10        | 41  | 16.89           | 13.60 | 30.49 | 10        | 41  |
|     | 2   | 10     | -               | -     | -     | -         | -   | 19.38           | 15.10 | 34.48 | -         | -   |
|     | 3   | 14     | -               | -     | -     | -         | -   | 24.23           | 19.04 | 43.27 | -         | -   |
|     | 5   | 23     | -               | -     | -     | -         | -   | 37.51           | 29.19 | 66.70 | -         | -   |

NOTE: Maximum diameter with cable guard is 3.90"







**Franklin Electric**

## NOTES

