

# SURFACE PUMPS

## RESIDENTIAL & LIGHT COMMERCIAL





## RESIDENTIAL & LIGHT COMMERCIAL SURFACE PUMPS

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For the most up-to-date product information, visit [franklinwater.com](http://franklinwater.com).

## JET PUMPS

Franklin's jet pumps can be configured for a variety of pressures and flow choices, and are ideal for supplying fresh water to homes, cabins, farms, or practically anywhere that has a suction lift of 100 feet or less. The material options range from cast iron to stainless steel, making the pumps a contractor's choice for any job.

### PRODUCT FAMILY

- Shallow Well VersaJet & VersaJet Pro
- SWJ Series
- Convertible VersaJet & VersaJet Pro
- Convertible Pro (RM2) Series
- C Series
- Jet Pump Accessories

### APPLICATIONS

- Fresh Water Supply lifting from depths of up to 100' with deep well injector; 25' max shallow well



Convertible Pro (RM2) Series



Shallow Well VersaJet



Shallow Well VersaJet Pro



Convertible VersaJet & VersaJet Pro



C Series



SWJ Series

## JET PUMPS - SWJ (CYCLONE) SERIES

### FEATURES

- Non-corrosive thermoplastic construction
- Replaceable in-line nozzle design for maximum hydraulic efficiency and ease of service
- Self-cleaning, anti-clogging injector screen
- Thermoplastic impeller and diffuser ensure increased hydraulic performance
- Floating stainless steel eye seal for maximum performance and efficiency
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS hardware ensures positive sealing and longevity
- Square-flange mounting provides easy serviceability without disturbing the plumbing
- Built-in drain plug for easy winterizing and servicing
- Pressure switch is installed and set at 30/50 psi
- Handles water temperatures up to 120 °F/49 °C; 75 psi maximum working pressure
- 1-1/4" inlet and 1" outlet - all models



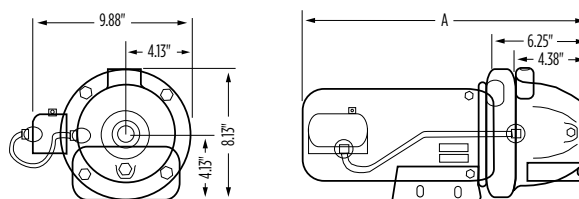
### ORDERING INFORMATION

| Model   | HP  | Voltage | S.F.A.   | Pump Unit |           |
|---------|-----|---------|----------|-----------|-----------|
|         |     |         |          | Order No. | Wt. (lbs) |
| FSWJ05P | 1/2 | 115/230 | 12.4/6.2 | 91090005  | 23        |
| FSWJ07P | 3/4 |         | 14.8/7.4 | 91090007  | 31        |
| FSWJ10P | 1   |         | 13.0/6.7 | 91093010  | 35        |

### DIMENSIONS

| Model   | HP  | A      |
|---------|-----|--------|
| FSWJ05P | 1/2 | 17.63" |
| FSWJ07P | 3/4 | 18.25" |
| FSWJ10P | 1   | 16.90" |

NOTE: Dimensions will vary according to motor manufacturer



### PERFORMANCE

| Model   | HP  | Total Suction Lift (ft) | Discharge Pressure (PSI) |      |      |      |      |     |     |     | Shut-off Pressure (PSI) |
|---------|-----|-------------------------|--------------------------|------|------|------|------|-----|-----|-----|-------------------------|
|         |     |                         | 30                       | 35   | 40   | 45   | 50   | 55  | 60  | 65  |                         |
|         |     |                         | Gallons Per Minute (GPM) |      |      |      |      |     |     |     |                         |
| FSWJ05P | 1/2 | 5                       | 12.0                     | 10.7 | 9.1  | 7.2  | 4.9  | 2.8 | 0.9 | -   | 62                      |
|         |     | 10                      | -                        | 10.0 | 8.4  | 6.3  | 3.9  | 1.9 | -   | -   | 60                      |
|         |     | 15                      | -                        | -    | 7.7  | 5.3  | 3.0  | 0.9 | -   | -   | 57                      |
|         |     | 20                      | -                        | -    | 6.4  | 4.3  | 2.2  | 0.2 | -   | -   | 55                      |
|         |     | 25                      | -                        | -    | 5.0  | 3.3  | 1.4  | -   | -   | -   | 53                      |
| FSWJ07P | 3/4 | 5                       | -                        | 16.0 | 14.4 | 12.6 | 10.6 | 8.3 | 5.0 | 1.8 | 68                      |
|         |     | 10                      | -                        | -    | 13.5 | 11.8 | 9.7  | 6.9 | 3.6 | 0.2 | 65                      |
|         |     | 15                      | -                        | -    | -    | 11.0 | 8.8  | 5.4 | 2.2 | -   | 63                      |
|         |     | 20                      | -                        | -    | -    | 9.0  | 7.2  | 3.9 | 0.8 | -   | 60                      |
|         |     | 25                      | -                        | -    | -    | -    | 5.6  | 2.3 | -   | -   | 58                      |
| FSWJ10P | 1   | 5                       | -                        | -    | 14.2 | 12.0 | 9.7  | 7.4 | 4.9 | 2.4 | 69.6                    |
|         |     | 10                      | -                        | -    | 13.2 | 11.4 | 8.9  | 6.5 | 3.9 | -   | 67.9                    |
|         |     | 15                      | -                        | -    | 12.2 | 10.7 | 8.1  | 5.5 | 2.9 | -   | 66.1                    |
|         |     | 20                      | -                        | -    | -    | -    | 7.5  | 4.9 | 2.3 | -   | 64.8                    |
|         |     | 25                      | -                        | -    | -    | -    | 6.9  | 4.2 | 1.7 | -   | 63.5                    |

## JET PUMPS - SHALLOW WELL VERSAJET

### FEATURES

- Revolutionary “Quick-Change” jet nozzle replacement system allows for easy customization of the pump; performance can be quickly changed from a high pressure to high flow set-up without removing the plumbing or opening the case
- Impeller (with stainless steel insert), diffuser, jet nozzle, and venturi all molded with Modified PPO, a material that increases efficiency and hydraulic performance
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS hardware ensures positive sealing and longevity
- Heavy-duty cast iron case includes both pressure and drain ports
- Floating stainless steel eye seal provides maximum performance and efficiency
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange single phase motors
- Pressure switch installed and set at 30/50 psi
- Water temperatures up to 120 °F/49 °C; 75 psi maximum working pressure
- 1-1/4" inlet and 1" outlet - all models



### ORDERING INFORMATION

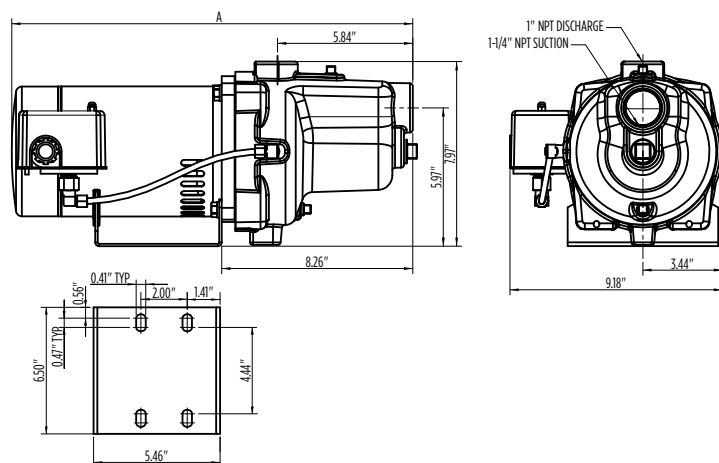
| Model   | HP    | Voltage | S.F.A.    | Pump Unit |           |
|---------|-------|---------|-----------|-----------|-----------|
|         |       |         |           | Order No. | Wt. (lbs) |
| FVJ05CI | 1/2   | 115/230 | 9.4/4.7   | 91180005  | 31        |
| FVJ07CI | 3/4   |         | 12.4/6.2  | 91180007  | 34        |
| FVJ1CI  | 1     |         | 14.8/7.4  | 91180010  | 51        |
| FVJ15CI | 1-1/2 |         | 19.9/9.95 | 91180015  | 56        |

### DIMENSIONS

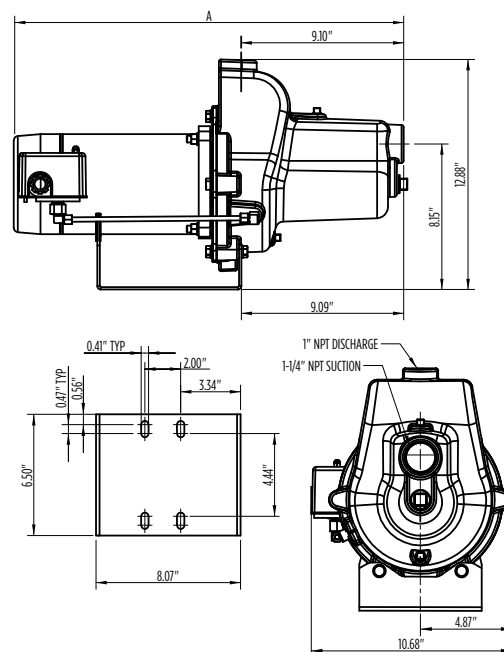
| Model   | HP    | A      |
|---------|-------|--------|
| FVJ05CI | 1/2   | 17.25" |
| FVJ07CI | 3/4   | 18.00" |
| FVJ1CI  | 1     | 21.78" |
| FVJ15CI | 1-1/2 | 22.66" |

NOTE: Dimensions will vary according to motor manufacturer

#### 1/2 AND 3/4 HP VERSAJET



#### 1 AND 1.5 HP VERSAJET



# JET PUMPS - SHALLOW WELL VERSAJET

## SHALLOW-WELL PERFORMANCE

| 1" Dis. x 1-1/4" Suc. |                          |                         | Discharge Pressure (PSI) |      |      |      |      |      | Shut-off Pressure (PSI) |
|-----------------------|--------------------------|-------------------------|--------------------------|------|------|------|------|------|-------------------------|
|                       |                          |                         | 10                       | 20   | 30   | 40   | 50   | 60   |                         |
| Model                 | Nozzle                   | Total Suction Lift (ft) | Gallons Per Minute (GPM) |      |      |      |      |      |                         |
| FVJ05CI               | Nozzle B (Standard)      | 5                       | 10.8                     | 10.5 | 10.1 | 8.5  | 4.9  | 2.1  | 70                      |
|                       |                          | 10                      | 9.4                      | 9.1  | 8.7  | 7.5  | 4.1  | 1.6  |                         |
|                       |                          | 15                      | 8.0                      | 7.7  | 7.4  | 6.5  | 3.4  | 1.1  |                         |
|                       |                          | 20                      | 6.2                      | 6.0  | 5.7  | 5.3  | 2.6  | 0.5  |                         |
|                       |                          | 25                      | 4.4                      | 4.3  | 4.1  | 4.0  | 1.8  | -    |                         |
|                       | Nozzle C (High Pressure) | 5                       | 9.8                      | 8.9  | 8.3  | 7.6  | 6.3  | 4.0  | 86                      |
|                       |                          | 10                      | 8.3                      | 7.5  | 7.1  | 6.6  | 5.7  | 3.5  |                         |
|                       |                          | 15                      | 6.8                      | 6.2  | 5.9  | 5.7  | 5.1  | 3.0  |                         |
|                       |                          | 20                      | 5.3                      | 5.0  | 4.8  | 4.6  | 4.3  | 2.6  |                         |
|                       |                          | 25                      | 3.8                      | 3.8  | 3.7  | 3.6  | 3.5  | 2.2  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 12.8                     | 12.5 | 12.1 | 5.2  | -    | -    | 47                      |
|                       |                          | 10                      | 11.4                     | 11.1 | 10.8 | 3.6  | -    | -    |                         |
|                       |                          | 15                      | 10.0                     | 9.8  | 9.6  | 1.9  | -    | -    |                         |
|                       |                          | 20                      | 8.0                      | 7.7  | 6.8  | 1.0  | -    | -    |                         |
|                       |                          | 25                      | 6.0                      | 5.7  | 4.1  | -    | -    | -    |                         |
| FVJ07CI               | Nozzle C (Standard)      | 5                       | 16.3                     | 15.6 | 15.1 | 14.1 | 9.0  | 3.8  | 70                      |
|                       |                          | 10                      | 14.2                     | 13.6 | 13.1 | 12.5 | 7.8  | 2.9  |                         |
|                       |                          | 15                      | 12.1                     | 11.6 | 11.2 | 10.8 | 6.5  | 2.0  |                         |
|                       |                          | 20                      | 9.5                      | 9.1  | 8.9  | 8.7  | 5.0  | 1.0  |                         |
|                       |                          | 25                      | 7.0                      | 6.7  | 6.7  | 6.6  | 3.5  | -    |                         |
|                       | Nozzle D (High Pressure) | 5                       | 15.8                     | 15.2 | 14.7 | 14.1 | 9.6  | 4.8  | 73                      |
|                       |                          | 10                      | 13.9                     | 13.2 | 12.8 | 12.4 | 8.5  | 3.9  |                         |
|                       |                          | 15                      | 11.9                     | 11.1 | 10.8 | 10.6 | 7.5  | 3.0  |                         |
|                       |                          | 20                      | 9.2                      | 8.8  | 8.6  | 8.5  | 6.2  | 1.8  |                         |
|                       |                          | 25                      | 6.5                      | 6.5  | 6.4  | 6.4  | 4.8  | 0.6  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 18.9                     | 18.7 | 18.4 | 11.6 | -    | -    | 47                      |
|                       |                          | 10                      | 16.8                     | 16.6 | 16.3 | 8.0  | -    | -    |                         |
|                       |                          | 15                      | 14.8                     | 14.5 | 14.2 | 4.4  | -    | -    |                         |
|                       |                          | 20                      | 11.8                     | 11.6 | 11.2 | 2.2  | -    | -    |                         |
|                       |                          | 25                      | 8.8                      | 8.7  | 8.1  | -    | -    | -    |                         |
| FVJ1CI                | Nozzle B (Standard)      | 5                       | 21.5                     | 21.0 | 20.7 | 20.4 | 12.8 | 3.9  | 64                      |
|                       |                          | 10                      | 19.2                     | 18.8 | 18.5 | 18.2 | 11.3 | 2.0  |                         |
|                       |                          | 15                      | 16.9                     | 16.6 | 16.3 | 16.0 | 9.7  | -    |                         |
|                       |                          | 20                      | 13.6                     | 13.4 | 13.2 | 13.0 | 7.4  | -    |                         |
|                       |                          | 25                      | 10.4                     | 10.3 | 10.1 | 10.0 | 5.0  | -    |                         |
|                       | Nozzle C (High Pressure) | 5                       | 20.4                     | 19.8 | 19.4 | 19.1 | 14.6 | 7.7  | 71                      |
|                       |                          | 10                      | 18.1                     | 17.6 | 17.3 | 17.1 | 13.6 | 6.5  |                         |
|                       |                          | 15                      | 15.9                     | 15.4 | 15.2 | 15.0 | 12.6 | 5.2  |                         |
|                       |                          | 20                      | 12.7                     | 12.4 | 12.2 | 12.1 | 10.8 | 3.3  |                         |
|                       |                          | 25                      | 9.5                      | 9.3  | 9.2  | 9.1  | 9.0  | 1.4  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 23.3                     | 23.0 | 22.7 | 20.2 | 7.6  | -    | 54                      |
|                       |                          | 10                      | 20.7                     | 20.3 | 20.0 | 17.4 | 3.8  | -    |                         |
|                       |                          | 15                      | 18.1                     | 17.7 | 17.3 | 14.6 | -    | -    |                         |
|                       |                          | 20                      | 14.8                     | 14.5 | 14.2 | 10.8 | -    | -    |                         |
|                       |                          | 25                      | 11.5                     | 11.3 | 11.1 | 7.0  | -    | -    |                         |
| FVJ15CI               | Nozzle B (Standard)      | 5                       | 29.0                     | 28.6 | 28.2 | 27.8 | 24.0 | 11.6 | 66                      |
|                       |                          | 10                      | 25.5                     | 25.0 | 24.8 | 24.5 | 21.2 | 7.7  |                         |
|                       |                          | 15                      | 21.9                     | 21.5 | 21.3 | 21.1 | 18.5 | 3.8  |                         |
|                       |                          | 20                      | 17.6                     | 17.2 | 16.9 | 16.7 | 13.8 | 1.9  |                         |
|                       |                          | 25                      | 13.2                     | 12.9 | 12.6 | 12.3 | 9.2  | -    |                         |
|                       | Nozzle C (High Pressure) | 5                       | 28.7                     | 28.2 | 27.9 | 27.6 | 26.8 | 15.5 | 72                      |
|                       |                          | 10                      | 25.3                     | 24.8 | 24.4 | 24.0 | 23.4 | 13.3 |                         |
|                       |                          | 15                      | 21.9                     | 21.4 | 20.9 | 20.5 | 20.1 | 11.2 |                         |
|                       |                          | 20                      | 17.4                     | 17.1 | 16.8 | 16.6 | 16.3 | 7.0  |                         |
|                       |                          | 25                      | 13.0                     | 12.9 | 12.7 | 12.6 | 12.5 | 2.8  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 30.3                     | 29.9 | 29.5 | 29.2 | 19.5 | -    | 59                      |
|                       |                          | 10                      | 26.9                     | 26.6 | 26.2 | 25.9 | 15.9 | -    |                         |
|                       |                          | 15                      | 23.6                     | 23.3 | 22.9 | 22.6 | 12.4 | -    |                         |
|                       |                          | 20                      | 19.0                     | 18.8 | 18.5 | 17.9 | 6.2  | -    |                         |
|                       |                          | 25                      | 14.5                     | 14.3 | 14.1 | 13.2 | -    | -    |                         |

## JET PUMPS - SHALLOW WELL VERSAJET PRO

### FEATURES

- Revolutionary “Quick-Change” jet nozzle replacement system allows for easy customization of the pump; performance can be quickly changed from a high pressure to high flow set-up without removing the plumbing or opening the case
- Impeller (with stainless steel insert), diffuser, jet nozzle, and venturi all molded with Modified PPO, a material that increases efficiency and hydraulic performance
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS hardware ensures positive sealing and longevity
- Heavy-duty cast iron case features both pressure and drain ports
- Floating stainless steel eye seal for maximum performance and efficiency
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange motors; both single and three phase motors, the latter inverter duty rated
- Pressure switch installed and set at 30/50 psi (not included on three phase motors)
- Water temperatures up to 120 °F/49 °C; 75 psi maximum working pressure
- 1-1/4" inlet and 1" outlet - all models



### ORDERING INFORMATION

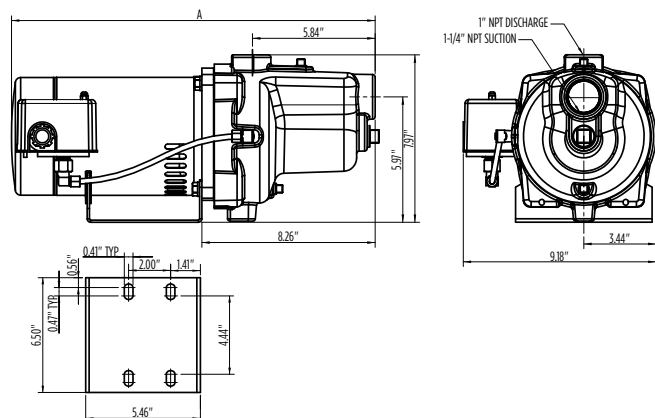
| Model     | HP  | Phase | Voltage     | S.F.A.    | Pump Unit |           |
|-----------|-----|-------|-------------|-----------|-----------|-----------|
|           |     |       |             |           | Order No. | Wt. (lbs) |
| FVJ05CI-P | 1/2 | 1     | 115/230     | 12.4/6.2  | 91181005  | 34        |
| FVJ07CI-P | 3/4 |       |             | 14.8/7.4  | 91181007  | 51        |
| FVJ1CI-P  | 1   |       |             | 19.9/9.95 | 91181010  | 56        |
| FVJ05CI-T | 1/2 | 3     | 208-230/460 | 3.0/1.5   | 91183005  | 34        |
| FVJ07CI-T | 3/4 |       |             | 3.6/1.8   | 91183007  | 51        |
| FVJ10CI-T | 1   |       |             | 4.7/2.35  | 91183010  | 56        |

### DIMENSIONS

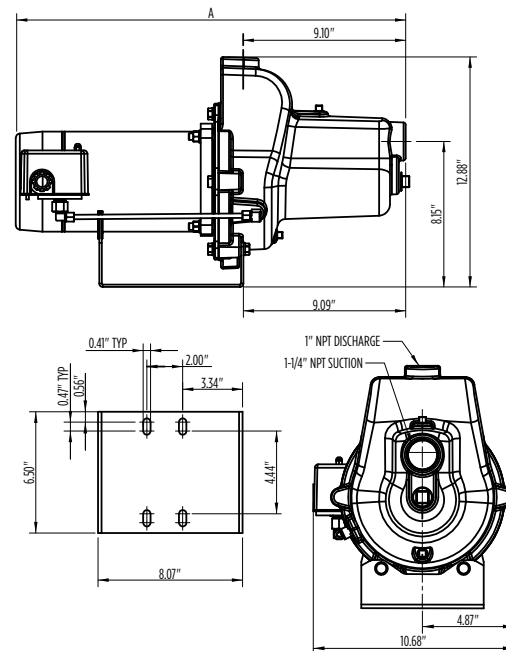
| Model     | HP  | A      |
|-----------|-----|--------|
| FVJ05CI-P | 1/2 | 18.00" |
| FVJ07CI-P | 3/4 | 21.78" |
| FVJ1CI-P  | 1   | 22.66" |

NOTE: Dimensions will vary according to motor manufacturer

#### 1/2 VERSAJET PRO



#### 1 VERSAJET PRO



## JET PUMPS - SHALLOW WELL VERSAJET PRO

### SHALLOW-WELL PERFORMANCE

| 1" Dis. x 1-1/4" Suc. |                          |                         | Discharge Pressure (PSI) |      |      |      |      |      | Shut-off Pressure (PSI) |
|-----------------------|--------------------------|-------------------------|--------------------------|------|------|------|------|------|-------------------------|
|                       |                          |                         | 10                       | 20   | 30   | 40   | 50   | 60   |                         |
| Model                 | Nozzle                   | Total Suction Lift (ft) | Gallons Per Minute (GPM) |      |      |      |      |      |                         |
| FVJ05CI-P             | Nozzle C (Standard)      | 5                       | 16.3                     | 15.6 | 15.1 | 14.1 | 9.0  | 3.8  | 70                      |
|                       |                          | 10                      | 14.2                     | 13.6 | 13.1 | 12.5 | 7.8  | 2.9  |                         |
|                       |                          | 15                      | 12.1                     | 11.6 | 11.2 | 10.8 | 6.5  | 2.0  |                         |
|                       |                          | 20                      | 9.5                      | 9.1  | 8.9  | 8.7  | 5.0  | 1.0  |                         |
|                       |                          | 25                      | 7.0                      | 6.7  | 6.7  | 6.6  | 3.5  | -    |                         |
|                       | Nozzle D (High Pressure) | 5                       | 15.8                     | 15.2 | 14.7 | 14.1 | 9.6  | 4.8  | 73                      |
|                       |                          | 10                      | 13.9                     | 13.2 | 12.8 | 12.4 | 8.5  | 3.9  |                         |
|                       |                          | 15                      | 11.9                     | 11.1 | 10.8 | 10.6 | 7.5  | 3.0  |                         |
|                       |                          | 20                      | 9.2                      | 8.8  | 8.6  | 8.5  | 6.2  | 1.8  |                         |
|                       |                          | 25                      | 6.5                      | 6.5  | 6.4  | 6.4  | 4.8  | 0.6  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 18.9                     | 18.7 | 18.4 | 11.6 | -    | -    | 47                      |
|                       |                          | 10                      | 16.8                     | 16.6 | 16.3 | 8.0  | -    | -    |                         |
|                       |                          | 15                      | 14.8                     | 14.5 | 14.2 | 4.4  | -    | -    |                         |
|                       |                          | 20                      | 11.8                     | 11.6 | 11.2 | 2.2  | -    | -    |                         |
|                       |                          | 25                      | 8.8                      | 8.7  | 8.1  | -    | -    | -    |                         |
| FVJ07CI-P             | Nozzle B (Standard)      | 5                       | 21.5                     | 21.0 | 20.7 | 20.4 | 12.8 | 3.9  | 64                      |
|                       |                          | 10                      | 19.2                     | 18.8 | 18.5 | 18.2 | 11.3 | 2.0  |                         |
|                       |                          | 15                      | 16.9                     | 16.6 | 16.3 | 16.0 | 9.7  | -    |                         |
|                       |                          | 20                      | 13.6                     | 13.4 | 13.2 | 13.0 | 7.4  | -    |                         |
|                       |                          | 25                      | 10.4                     | 10.3 | 10.1 | 10.0 | 5.0  | -    |                         |
|                       | Nozzle C (High Pressure) | 5                       | 20.4                     | 19.8 | 19.4 | 19.1 | 14.6 | 7.7  | 71                      |
|                       |                          | 10                      | 18.1                     | 17.6 | 17.3 | 17.1 | 13.6 | 6.5  |                         |
|                       |                          | 15                      | 15.9                     | 15.4 | 15.2 | 15.0 | 12.6 | 5.2  |                         |
|                       |                          | 20                      | 12.7                     | 12.4 | 12.2 | 12.1 | 10.8 | 3.3  |                         |
|                       |                          | 25                      | 9.5                      | 9.3  | 9.2  | 9.1  | 9.0  | 1.4  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 23.3                     | 23.0 | 22.7 | 20.2 | 7.6  | -    | 54                      |
|                       |                          | 10                      | 20.7                     | 20.3 | 20.0 | 17.4 | 3.8  | -    |                         |
|                       |                          | 15                      | 18.1                     | 17.7 | 17.3 | 14.6 | -    | -    |                         |
|                       |                          | 20                      | 14.8                     | 14.5 | 14.2 | 10.8 | -    | -    |                         |
|                       |                          | 25                      | 11.5                     | 11.3 | 11.1 | 7.0  | -    | -    |                         |
| FVJ1CI-P              | Nozzle B (Standard)      | 5                       | 29.0                     | 28.6 | 28.2 | 27.8 | 24.0 | 11.6 | 66                      |
|                       |                          | 10                      | 25.5                     | 25.0 | 24.8 | 24.5 | 21.2 | 7.7  |                         |
|                       |                          | 15                      | 21.9                     | 21.5 | 21.3 | 21.1 | 18.5 | 3.8  |                         |
|                       |                          | 20                      | 17.6                     | 17.2 | 16.9 | 16.7 | 13.8 | 1.9  |                         |
|                       |                          | 25                      | 13.2                     | 12.9 | 12.6 | 12.3 | 9.2  | -    |                         |
|                       | Nozzle C (High Pressure) | 5                       | 28.7                     | 28.2 | 27.9 | 27.6 | 26.8 | 15.5 | 72                      |
|                       |                          | 10                      | 25.3                     | 24.8 | 24.4 | 24.0 | 23.4 | 13.3 |                         |
|                       |                          | 15                      | 21.9                     | 21.4 | 20.9 | 20.5 | 20.1 | 11.2 |                         |
|                       |                          | 20                      | 17.4                     | 17.1 | 16.8 | 16.6 | 16.3 | 7.0  |                         |
|                       |                          | 25                      | 13.0                     | 12.9 | 12.7 | 12.6 | 12.5 | 2.8  |                         |
|                       | Nozzle A (High Flow)     | 5                       | 30.3                     | 29.9 | 29.5 | 29.2 | 19.5 | -    | 59                      |
|                       |                          | 10                      | 26.9                     | 26.6 | 26.2 | 25.9 | 15.9 | -    |                         |
|                       |                          | 15                      | 23.6                     | 23.3 | 22.9 | 22.6 | 12.4 | -    |                         |
|                       |                          | 20                      | 19.0                     | 18.8 | 18.5 | 17.9 | 6.2  | -    |                         |
|                       |                          | 25                      | 14.5                     | 14.3 | 14.1 | 13.2 | -    | -    |                         |

## JET PUMPS - CONVERTIBLE VERSAJET

### FEATURES

- Heavy-duty cast iron pump case includes (3) 1" discharge/pressure ports for optimum installation flexibility, plus a 1/4" NPT port for pressure gauge mounting
- Each rating is available with one of (5) factory mounted suction flanges to enable the pump to replace a deep well pump unit installed in the field without altering the existing suction and pressure pipe connections; includes vacuum port for AVC connection
- Adjustable height pump base further enables matching the pump to existing plumbing
- Thermoplastic impeller and diffuser are precision molded for high efficiency and dependability
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS hardware ensures positive sealing and longevity
- Adjustable pressure switch is factory set at 30/50 psi
- Water temperatures up to 120 °F/49 °C; 75 psi maximum working pressure
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange motors



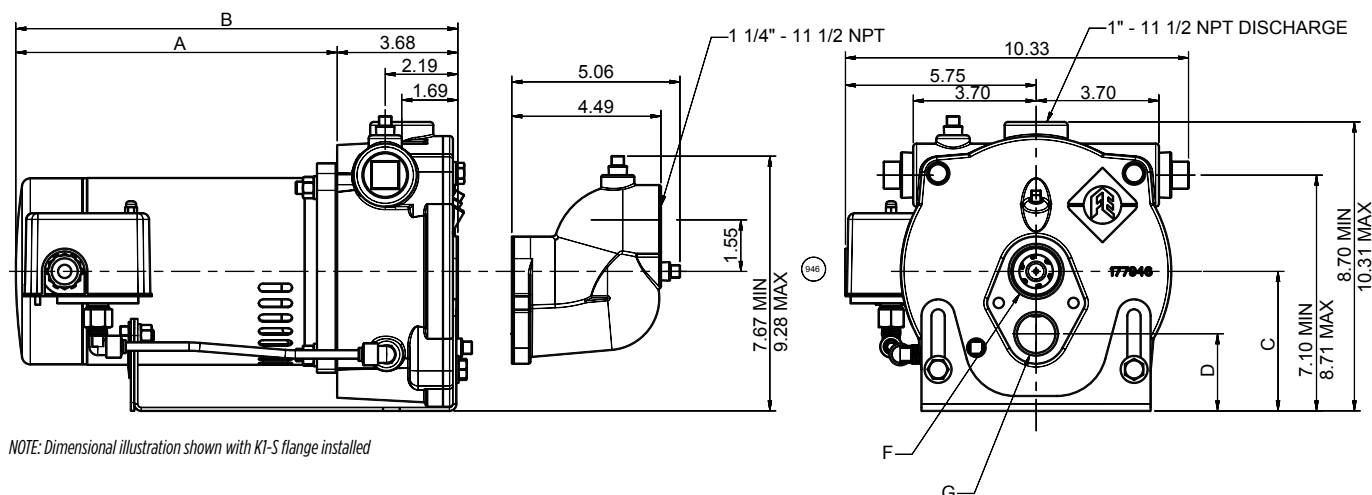
### ELECTRICAL INFORMATION

| Model    | HP    | Voltage | S.F.A.    |
|----------|-------|---------|-----------|
| FCVJ05CI | 1/2   | 115/230 | 9.4/4.7   |
| FCVJ07CI | 3/4   |         | 12.4/6.2  |
| FCVJ10CI | 1     |         | 14.8/7.4  |
| FCVJ15CI | 1-1/2 |         | 19.9/9.95 |

NOTE: Deep-well installations require a 4" inside well diameter and control valve 96150951

### DIMENSIONS

| Model    | HP    | A      | B      |
|----------|-------|--------|--------|
| FCVJ05CI | 1/2   | 9.63"  | 13.31" |
| FCVJ07CI | 3/4   | 10.38" | 14.06" |
| FCVJ10CI | 1     | 11.00" | 13.68" |
| FCVJ15CI | 1-1/2 | 11.88" | 15.56" |



NOTE: Dimensional illustration shown with K1-S flange installed

# JET PUMPS - CONVERTIBLE VERSAJET

## SHALLOW-WELL PERFORMANCE

| CVJ Series |       |              |                         | Discharge Pressure (PSI) |      |      |      |     |     | Shut-off Pressure (PSI) |
|------------|-------|--------------|-------------------------|--------------------------|------|------|------|-----|-----|-------------------------|
| Model      | HP    | Injector Kit | Total Suction Lift (ft) | 30                       | 40   | 50   | 60   | 70  | 80  |                         |
|            |       |              |                         | Gallons Per Minute (GPM) |      |      |      |     |     |                         |
| FCVJ05CI   | 1/2   | SW1          | 5                       | 11.5                     | 7.0  | 3.9  | -    | -   | -   | 61                      |
|            |       |              | 10                      | 10.2                     | 6.4  | 3.2  | -    | -   | -   | 59                      |
|            |       |              | 15                      | 9.1                      | 5.8  | 2.4  | -    | -   | -   | 57                      |
|            |       |              | 20                      | 8.0                      | 5.1  | 1.7  | -    | -   | -   | 55                      |
|            |       |              | 25                      | 6.5                      | 4.4  | 0.8  | -    | -   | -   | 53                      |
|            |       | SW2          | 5                       | 10.6                     | 6.6  | 4.6  | 2.4  | -   | -   | 71                      |
|            |       |              | 10                      | 9.3                      | 6.2  | 4.1  | 1.9  | -   | -   | 69                      |
|            |       |              | 15                      | 8.2                      | 5.7  | 3.7  | 1.4  | -   | -   | 67                      |
|            |       |              | 20                      | 6.8                      | 5.2  | 3.1  | 1.0  | -   | -   | 65                      |
|            |       |              | 25                      | 5.2                      | 4.8  | 2.6  | 0.6  | -   | -   | 63                      |
|            |       | SW3          | 5                       | 8.0                      | 5.8  | 4.6  | 3.2  | 1.9 | 0.8 | 88                      |
|            |       |              | 10                      | 6.9                      | 5.5  | 4.3  | 2.9  | 1.7 | 0.6 | 86                      |
|            |       |              | 15                      | 5.9                      | 5.2  | 4.0  | 2.7  | 1.4 | -   | 84                      |
|            |       |              | 20                      | -                        | 4.7  | 3.6  | 2.4  | 1.2 | -   | 82                      |
|            |       |              | 25                      | -                        | 3.7  | 3.3  | 2.1  | 1.0 | -   | 80                      |
| FCVJ07CI   | 3/4   | SW5          | 5                       | -                        | -    | -    | -    | -   | -   | -                       |
|            |       |              | 10                      | 16.7                     | 14.0 | 8.2  | 2.8  | -   | -   | 65                      |
|            |       |              | 15                      | -                        | 12.7 | 6.8  | 1.6  | -   | -   | 63                      |
|            |       |              | 20                      | -                        | 11.3 | 5.7  | -    | -   | -   | 61                      |
|            |       |              | 25                      | -                        | 8.8  | 4.6  | -    | -   | -   | 59                      |
|            |       | SW6          | 5                       | 11.8                     | 11.8 | 8.6  | 5.3  | 2.9 | 0.8 | 85                      |
|            |       |              | 10                      | -                        | 10.2 | 7.8  | 4.7  | 2.5 | -   | 83                      |
|            |       |              | 15                      | -                        | 8.7  | 7.0  | 4.2  | 2.2 | -   | 81                      |
|            |       |              | 20                      | -                        | 7.1  | 6.2  | 3.8  | 1.7 | -   | 79                      |
|            |       |              | 25                      | -                        | -    | 5.5  | 3.4  | 1.2 | -   | 77                      |
|            |       | SW7          | 5                       | -                        | 8.2  | 7.9  | 5.7  | 3.8 | 2.4 | 101                     |
|            |       |              | 10                      | -                        | 7.1  | 6.9  | 5.3  | 3.6 | 2.2 | 99                      |
|            |       |              | 15                      | -                        | -    | 6.1  | 4.8  | 3.3 | 1.9 | 97                      |
|            |       |              | 20                      | -                        | -    | 5.1  | 4.4  | 3.1 | 1.7 | 95                      |
|            |       |              | 25                      | -                        | -    | 4.1  | 4.0  | 2.7 | 1.4 | 93                      |
| FCVJ10CI   | 1     | SW4          | 5                       | 21.4                     | 18.6 | 11.8 | 5.2  | -   | -   | 68                      |
|            |       |              | 10                      | 18.8                     | 17.1 | 10.4 | 3.8  | -   | -   | 66                      |
|            |       |              | 15                      | 16.2                     | 15.4 | 8.9  | 2.4  | -   | -   | 64                      |
|            |       |              | 20                      | 13.4                     | 13.4 | 7.5  | 0.8  | -   | -   | 61                      |
|            |       |              | 25                      | 10.5                     | 10.5 | 6.2  | -    | -   | -   | 59                      |
|            |       | SW5          | 5                       | 18.7                     | 18.5 | 13.0 | 7.7  | 2.8 | -   | 76                      |
|            |       |              | 10                      | -                        | 16.4 | 11.8 | 6.6  | 1.6 | -   | 73                      |
|            |       |              | 15                      | -                        | 14.2 | 10.7 | 5.4  | -   | -   | 71                      |
|            |       |              | 20                      | -                        | 11.6 | 9.5  | 4.5  | -   | -   | 69                      |
|            |       |              | 25                      | -                        | 9.0  | 8.4  | 3.6  | -   | -   | 67                      |
|            |       | SW6          | 5                       | -                        | 11.7 | 11.1 | 7.8  | 5.2 | 3.1 | 98                      |
|            |       |              | 10                      | -                        | 10.3 | 10.2 | 7.2  | 4.8 | 2.8 | 96                      |
|            |       |              | 15                      | -                        | -    | 8.8  | 6.7  | 4.4 | 2.5 | 94                      |
|            |       |              | 20                      | -                        | -    | 7.3  | 6.2  | 4.0 | 2.1 | 92                      |
|            |       |              | 25                      | -                        | -    | 5.7  | 5.6  | 3.6 | 1.7 | 90                      |
| FCVJ15CI   | 1-1/2 | SW4          | 5                       | -                        | 21.3 | 20.5 | 13.5 | 6.6 | -   | 81                      |
|            |       |              | 10                      | -                        | 18.7 | 18.3 | 11.8 | 5.2 | -   | 78                      |
|            |       |              | 15                      | -                        | 16.0 | 15.9 | 10.1 | 3.8 | -   | 76                      |
|            |       |              | 20                      | -                        | 13.3 | 13.3 | 8.6  | 2.0 | -   | 73                      |
|            |       |              | 25                      | -                        | 10.5 | 10.5 | -    | -   | -   | 71                      |
|            |       | SW5          | 5                       | -                        | -    | 18.3 | 15.2 | 9.5 | 4.4 | 89                      |
|            |       |              | 10                      | -                        | -    | 16.1 | 13.8 | 8.5 | 3.4 | 87                      |
|            |       |              | 15                      | -                        | -    | 13.9 | 12.4 | 7.4 | 2.3 | 85                      |
|            |       |              | 20                      | -                        | -    | 11.4 | 10.9 | 6.0 | 1.1 | 82                      |
|            |       |              | 25                      | -                        | -    | 8.8  | 8.8  | 4.7 | -   | 80                      |
|            |       | SW6          | 5                       | -                        | -    | 11.4 | 11.3 | 9.3 | 6.7 | 118                     |
|            |       |              | 10                      | -                        | -    | -    | 10.1 | 8.6 | 6.2 | 116                     |
|            |       |              | 15                      | -                        | -    | -    | 8.7  | 8.0 | 5.7 | 113                     |
|            |       |              | 20                      | -                        | -    | -    | 7.2  | 7.1 | 5.3 | 111                     |
|            |       |              | 25                      | -                        | -    | -    | -    | 5.7 | 4.8 | 108                     |



# JET PUMPS - CONVERTIBLE VERSAJET

## DEEP-WELL PERFORMANCE

| CVJ Series |       |              |                         | Discharge Pressure (PSI) |      |     |      |     |     | Shut-off Pressure (PSI) |     |    |    |
|------------|-------|--------------|-------------------------|--------------------------|------|-----|------|-----|-----|-------------------------|-----|----|----|
| Model      | HP    | Injector Kit | Total Suction Lift (ft) | 30                       | 35   | 40  | 45   | 50  | 55  |                         |     |    |    |
|            |       |              |                         | Gallons Per Minute (GPM) |      |     |      |     |     |                         |     |    |    |
| FCVJ05CI   | 1/2   | DW2          | 30                      | 8.0                      | 4.4  | 1.5 | -    | -   | -   | 56                      |     |    |    |
|            |       |              | 40                      | 6.3                      | 3.0  | -   | -    | -   | -   | 51                      |     |    |    |
|            |       |              | 50                      | 4.6                      | 1.6  | -   | -    | -   | -   | 46                      |     |    |    |
|            |       |              | 60                      | 2.9                      | -    | -   | -    | -   | -   | 41                      |     |    |    |
|            |       |              | 70                      | 1.6                      | -    | -   | -    | -   | -   | 36                      |     |    |    |
|            |       | DW5          | 30                      | 6.0                      | 4.5  | 3.0 | 2.0  | 1.2 | -   | 87                      |     |    |    |
|            |       |              | 40                      | 5.3                      | 3.8  | 2.5 | 1.6  | 0.8 | -   | 81                      |     |    |    |
|            |       |              | 50                      | 4.4                      | 3.1  | 2.0 | 1.1  | -   | -   | 76                      |     |    |    |
|            |       |              | 60                      | 3.6                      | 2.4  | 1.5 | 0.7  | -   | -   | 70                      |     |    |    |
|            |       |              | 70                      | 3.0                      | 1.9  | 1.0 | -    | -   | -   | 64                      |     |    |    |
| FCVJ07CI   | 3/4   | DW2          | 80                      | 2.3                      | 1.3  | 0.6 | -    | -   | -   | 58                      |     |    |    |
|            |       |              | 90                      | 1.7                      | 0.8  | -   | -    | -   | -   | 51                      |     |    |    |
|            |       |              | 30                      | 11.1                     | 7.2  | 4.0 | 1.3  | -   | -   | 65                      |     |    |    |
|            |       |              | 40                      | 9.3                      | 5.7  | 2.7 | -    | -   | -   | 60                      |     |    |    |
|            |       |              | 50                      | 7.4                      | 4.2  | 1.5 | -    | -   | -   | 55                      |     |    |    |
|            |       |              | 60                      | 5.6                      | 2.7  | -   | -    | -   | -   | 51                      |     |    |    |
|            |       | DW1          | 70                      | 4.1                      | 1.3  | -   | -    | -   | -   | 45                      |     |    |    |
|            |       |              | 80                      | 2.7                      | -    | -   | -    | -   | -   | 40                      |     |    |    |
|            |       |              | 90                      | 1.2                      | -    | -   | -    | -   | -   | 35                      |     |    |    |
|            |       |              | 30                      | -                        | 6.6  | 5.0 | 3.4  | 2.2 | 1.3 | 97                      |     |    |    |
| FCVJ10CI   | 1     | DW2          | 40                      | 6.6                      | 6.0  | 4.2 | 2.8  | 1.7 | 0.9 | 92                      |     |    |    |
|            |       |              | 50                      | 6.6                      | 5.1  | 3.5 | 2.3  | 1.3 | -   | 86                      |     |    |    |
|            |       |              | 60                      | 5.9                      | 4.1  | 2.7 | 1.7  | 0.8 | -   | 81                      |     |    |    |
|            |       |              | 70                      | 5.0                      | 3.4  | 2.2 | 1.2  | -   | -   | 76                      |     |    |    |
|            |       |              | 80                      | 4.1                      | 2.7  | 1.6 | 0.8  | -   | -   | 70                      |     |    |    |
|            |       |              | 90                      | 3.1                      | 2.0  | 1.1 | -    | -   | -   | 65                      |     |    |    |
|            |       |              | DW4                     | 30                       | 12.2 | 9.9 | 6.3  | 3.5 | 0.8 | -                       | 74  |    |    |
|            |       | 40           |                         | 11.4                     | 8.2  | 4.9 | 2.2  | -   | -   | 69                      |     |    |    |
|            |       | 50           |                         | 9.7                      | 6.5  | 3.5 | 0.8  | -   | -   | 64                      |     |    |    |
|            |       | FCVJ15CI     | 1-1/2                   | DW3                      | 60   | 7.9 | 4.8  | 2.1 | -   | -                       | -   | 59 |    |
| 70         | 6.1   |              |                         |                          | 3.4  | 0.8 | -    | -   | -   | 53                      |     |    |    |
| 80         | 4.3   |              |                         |                          | 2.0  | -   | -    | -   | -   | 48                      |     |    |    |
| 90         | 2.5   |              |                         |                          | 0.6  | -   | -    | -   | -   | 43                      |     |    |    |
| DW2        | 30    |              |                         | -                        | 7.9  | 5.9 | 4.1  | 2.7 | 1.4 | 94                      |     |    |    |
|            | 40    |              |                         | 7.9                      | 6.9  | 5.0 | 3.4  | 2.1 | 0.9 | 88                      |     |    |    |
|            | 50    |              |                         | 7.5                      | 5.8  | 4.1 | 2.6  | 1.4 | -   | 83                      |     |    |    |
|            | 60    |              |                         | 6.6                      | 4.7  | 3.2 | 1.9  | 0.8 | -   | 77                      |     |    |    |
|            | 70    |              |                         | 5.5                      | 3.9  | 2.5 | 1.3  | -   | -   | 71                      |     |    |    |
|            | 80    |              |                         | 4.4                      | 3.1  | 1.7 | 0.6  | -   | -   | 66                      |     |    |    |
|            | 90    | 3.3          | 2.3                     | 1.0                      | -    | -   | -    | 60  |     |                         |     |    |    |
| DW4        | 30    | -            | 16.5                    | 9.8                      | 3.5  | -   | -    | 67  |     |                         |     |    |    |
|            | 40    | -            | 13.0                    | 6.9                      | 1.0  | -   | -    | 62  |     |                         |     |    |    |
|            | 50    | -            | 9.4                     | 4.1                      | -    | -   | -    | 57  |     |                         |     |    |    |
|            | 60    | -            | 5.9                     | 1.2                      | -    | -   | -    | 52  |     |                         |     |    |    |
|            | 30    | -            | 12.2                    | 10.3                     | 7.0  | 4.1 | 1.5  | 87  |     |                         |     |    |    |
|            | 40    | -            | 11.4                    | 8.6                      | 5.5  | 2.8 | -    | 82  |     |                         |     |    |    |
|            | 50    | -            | 9.7                     | 6.9                      | 4.0  | 1.4 | -    | 76  |     |                         |     |    |    |
| FCVJ05CI   | 1/2   | DW5          | 60                      | -                        | 8.2  | 5.2 | 2.5  | -   | -   | 71                      |     |    |    |
|            |       |              | 70                      | -                        | 6.6  | 3.8 | 1.3  | -   | -   | 66                      |     |    |    |
|            |       |              | 80                      | -                        | 4.9  | 2.5 | -    | -   | -   | 60                      |     |    |    |
|            |       |              | 90                      | -                        | 3.3  | 1.1 | -    | -   | -   | 55                      |     |    |    |
|            |       |              | 30                      | -                        | 7.9  | 7.8 | 6.3  | 4.8 | 3.3 | 111                     |     |    |    |
|            |       |              | 40                      | -                        | 7.9  | 7.3 | 5.4  | 4.0 | 2.6 | 105                     |     |    |    |
|            |       |              | 50                      | -                        | 7.8  | 6.3 | 4.6  | 3.2 | 2.0 | 99                      |     |    |    |
| FCVJ07CI   | 3/4   | DW1          | 60                      | -                        | 7.0  | 5.2 | 3.7  | 2.4 | 1.3 | 93                      |     |    |    |
|            |       |              | 70                      | -                        | 6.0  | 4.4 | 3.0  | 1.8 | 0.7 | 87                      |     |    |    |
|            |       |              | 80                      | -                        | 5.1  | 3.6 | 2.3  | 1.2 | -   | 82                      |     |    |    |
|            |       |              | 90                      | -                        | 4.1  | 2.8 | 1.6  | 0.6 | -   | 76                      |     |    |    |
|            |       |              | FCVJ10CI                | 1                        | DW2  | 30  | 12.2 | 9.9 | 6.3 | 3.5                     | 0.8 | -  | 74 |
|            |       |              |                         |                          |      | 40  | 11.4 | 8.2 | 4.9 | 2.2                     | -   | -  | 69 |
|            |       |              |                         |                          |      | 50  | 9.7  | 6.5 | 3.5 | 0.8                     | -   | -  | 64 |
| 60         | 7.9   | 4.8          |                         |                          |      | 2.1 | -    | -   | -   | 59                      |     |    |    |
| 70         | 6.1   | 3.4          |                         |                          |      | 0.8 | -    | -   | -   | 53                      |     |    |    |
| 80         | 4.3   | 2.0          |                         |                          |      | -   | -    | -   | -   | 48                      |     |    |    |
| 90         | 2.5   | 0.6          |                         |                          |      | -   | -    | -   | -   | 43                      |     |    |    |
| FCVJ15CI   | 1-1/2 | DW3          | 30                      | -                        | 7.9  | 5.9 | 4.1  | 2.7 | 1.4 | 94                      |     |    |    |
|            |       |              | 40                      | 7.9                      | 6.9  | 5.0 | 3.4  | 2.1 | 0.9 | 88                      |     |    |    |
|            |       |              | 50                      | 7.5                      | 5.8  | 4.1 | 2.6  | 1.4 | -   | 83                      |     |    |    |
|            |       |              | 60                      | 6.6                      | 4.7  | 3.2 | 1.9  | 0.8 | -   | 77                      |     |    |    |
|            |       |              | 70                      | 5.5                      | 3.9  | 2.5 | 1.3  | -   | -   | 71                      |     |    |    |
|            |       |              | 80                      | 4.4                      | 3.1  | 1.7 | 0.6  | -   | -   | 66                      |     |    |    |
|            |       |              | 90                      | 3.3                      | 2.3  | 1.0 | -    | -   | -   | 60                      |     |    |    |

## JET PUMPS - CONVERTIBLE VERSAJET

### ORDERING INFORMATION

### REPLACEMENT DEEP WELL PUMPS

(Where the existing deep well injector assembly remains in the well, connected to the suction & pressure pipes and only the surface pump and motor are being replaced)

1. Select the replacement pump from the following chart, based upon the pump brand, series and horsepower rating of the unit being replaced.  
Please consult performance charts to verify new pump will meet design expectations.

| Convertible Versajet with Suction Flange Factory Mounted |       |              |                |                     |
|----------------------------------------------------------|-------|--------------|----------------|---------------------|
| Model                                                    | HP    | Order Number | Suction Flange | Accepts SW Injector |
| CVJ05CI-S                                                | 1/2   | 96136005     | K1-S           | Yes                 |
| CVJ07CI-S                                                | 3/4   | 96136007     |                |                     |
| CVJ10CI-S                                                | 1     | 96136010     |                |                     |
| CVJ15CI-S                                                | 1-1/2 | 96136015     |                |                     |

### NEW DEEP WELL PUMP INSTALLATIONS (MINIMUM 4" I.D. WELL REQUIRED)

1. Select the pump from the above chart after having consulted the performance charts to verify the desired flow and pressure will be achieved from the depth from which well water is to be lifted using the following deep well injector kit.
2. To maintain sufficient back-pressure on the deep well injector, a deep well control valve should be installed on the discharge line.  
(1" MNPT x 1" FNPT connections)

| Deep Well Injector | Order Number |
|--------------------|--------------|
| DW1-5              | 96152000     |

*NOTE: This kit contains all nozzle & venturi combinations, plus instructions of how to choose and install the correct ones for your specific application*

| Deep Well Control Valve | Order Number |
|-------------------------|--------------|
| DW-CV                   | 96150951     |

## JET PUMPS - CONVERTIBLE VERSAJET

### ORDERING INFORMATION (CONT.)

#### NEW OR REPLACEMENT SHALLOW WELL PUMP INSTALLATIONS

1. Select the pump with K1-S suction flange the from the following chart, based upon the horsepower rating and performance needed. Note that only the K1-S suction flange will allow the shallow well injector kit to bolt up to it successfully.

| Convertible Versajet with Suction Flange Factory Mounted |       |              |                |                     |
|----------------------------------------------------------|-------|--------------|----------------|---------------------|
| Model                                                    | HP    | Order Number | Suction Flange | Accepts SW Injector |
| CVJ05CI-S                                                | 1/2   | 96136005     | K1-S           | Yes                 |
| CVJ07CI-S                                                | 3/4   | 96136007     |                |                     |
| CVJ10CI-S                                                | 1     | 96136010     |                |                     |
| CVJ15CI-S                                                | 1-1/2 | 96136015     |                |                     |

2. Order the following shallow well injector kit to fit the pump selected. This kit contains nozzles and venturi to enable it to fit all shallow well applications described in the performance charts.

| Shallow Well Injector | Order Number |
|-----------------------|--------------|
| SW1-7                 | 96151000     |

*NOTE: This kit contains all nozzle & venturi combinations, plus instructions of how to choose and install the correct ones for your specific application*

#### ALTERNATE SUCTION FLANGE KITS

1. Should an alternate suction flange kit be needed to retrofit a pump to enable it to serve a specific application, the following are available and include all necessary hardware for mounting.

| Suction Flange Model | Order Number |
|----------------------|--------------|
| K1-S (Sta-Rite)      | 96150946     |
| K2-G (Goulds)        | 96150947     |
| K3-F (F&W)           | 96150948     |
| K4-M (Myers)         | 96150949     |
| K5-J (Jacuzzi)       | 96150952     |

## JET PUMPS - CONVERTIBLE VERSAJET PRO

### FEATURES

- Heavy-duty cast iron pump case includes (3) 1" discharge/pressure ports for optimum installation flexibility, plus a 1/4" NPT port for pressure gauge mounting
- Each rating is available with one of (5) factory mounted suction flanges to enable the pump to replace a deep well pump unit installed in the field without altering the existing suction and pressure pipe connections; includes vacuum port for AVC connection
- Adjustable height pump base further enables matching the pump to existing plumbing
- Thermoplastic impeller and diffuser are precision molded for high efficiency and dependability
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS hardware ensures positive sealing and longevity
- Adjustable pressure switch is factory set at 30/50 psi
- Water temperatures up to 120 °F/49 °C; 75 psi maximum working pressure
- Powered by high quality, industry proven, UL778 approved, indoor/outdoor square-flange motors



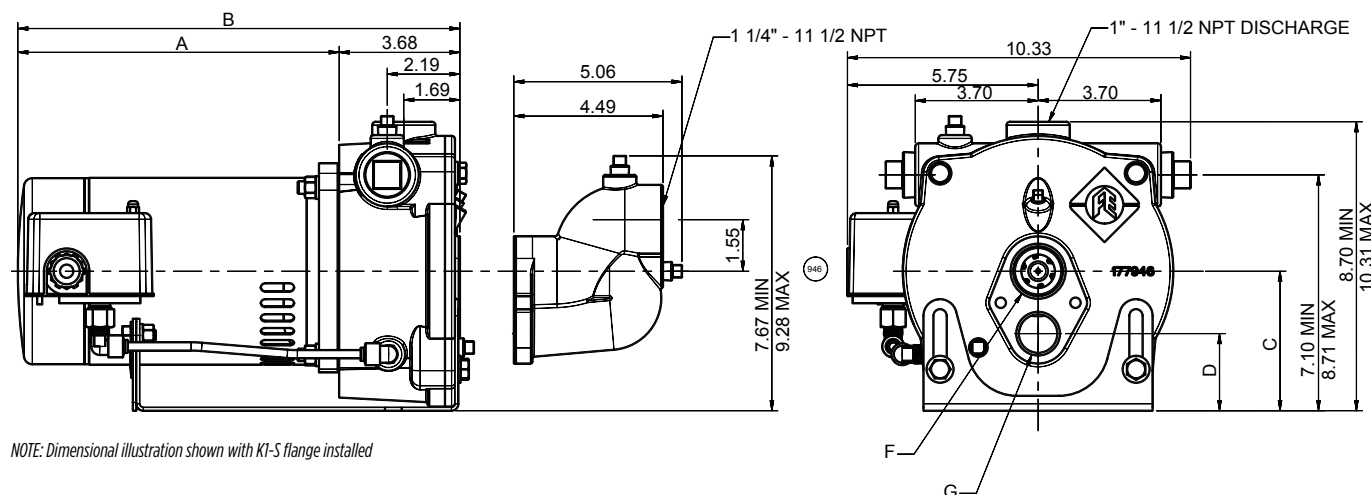
### ELECTRICAL INFORMATION

| Model      | HP  | Voltage | S.F.A.    |
|------------|-----|---------|-----------|
| FCVJ05CI-P | 1/2 | 115/230 | 12.4/6.2  |
| FCVJ07CI-P | 3/4 |         | 14.8/7.4  |
| FCVJ10CI-P | 1   |         | 19.9/9.95 |

NOTE: Deep-well installations require a 4" inside well diameter and control valve 96150951

### DIMENSIONS

| Model      | HP  | A      | B      |
|------------|-----|--------|--------|
| FCVJ05CI-P | 1/2 | 10.38" | 14.06" |
| FCVJ07CI-P | 3/4 | 11.00" | 13.68" |
| FCVJ10CI-P | 1   | 11.88" | 15.56" |



## JET PUMPS - CONVERTIBLE VERSAJET PRO

### SHALLOW-WELL PERFORMANCE

| CVJ Pro Series |     |              |                         | Discharge Pressure (PSI) |      |      |      |     |     | Shut-off Pressure (PSI) |
|----------------|-----|--------------|-------------------------|--------------------------|------|------|------|-----|-----|-------------------------|
| Model          | HP  | Injector Kit | Total Suction Lift (ft) | 30                       | 40   | 50   | 60   | 70  | 80  |                         |
|                |     |              |                         | Gallons Per Minute (GPM) |      |      |      |     |     |                         |
| FCVJ05CI-P     | 1/2 | SW5          | 5                       | -                        | -    | -    | -    | -   | -   | -                       |
|                |     |              | 10                      | 16.7                     | 14.0 | 8.2  | 2.8  | -   | -   | 65                      |
|                |     |              | 15                      | -                        | 12.7 | 6.8  | 1.6  | -   | -   | 63                      |
|                |     |              | 20                      | -                        | 11.3 | 5.7  | -    | -   | -   | 61                      |
|                |     |              | 25                      | -                        | 8.8  | 4.6  | -    | -   | -   | 59                      |
|                |     | SW6          | 5                       | 11.8                     | 11.8 | 8.6  | 5.3  | 2.9 | 0.8 | 85                      |
|                |     |              | 10                      | -                        | 10.2 | 7.8  | 4.7  | 2.5 | -   | 83                      |
|                |     |              | 15                      | -                        | 8.7  | 7.0  | 4.2  | 2.2 | -   | 81                      |
|                |     |              | 20                      | -                        | 7.1  | 6.2  | 3.8  | 1.7 | -   | 79                      |
|                |     |              | 25                      | -                        | -    | 5.5  | 3.4  | 1.2 | -   | 77                      |
|                |     | SW7          | 5                       | -                        | 8.2  | 7.9  | 5.7  | 3.8 | 2.4 | 101                     |
|                |     |              | 10                      | -                        | 7.1  | 6.9  | 5.3  | 3.6 | 2.2 | 99                      |
|                |     |              | 15                      | -                        | -    | 6.1  | 4.8  | 3.3 | 1.9 | 97                      |
|                |     |              | 20                      | -                        | -    | 5.1  | 4.4  | 3.1 | 1.7 | 95                      |
|                |     |              | 25                      | -                        | -    | 4.1  | 4.0  | 2.7 | 1.4 | 93                      |
| FCVJ07CI-P     | 3/4 | SW4          | 5                       | 21.4                     | 18.6 | 11.8 | 5.2  | -   | -   | 68                      |
|                |     |              | 10                      | 18.8                     | 17.1 | 10.4 | 3.8  | -   | -   | 66                      |
|                |     |              | 15                      | 16.2                     | 15.4 | 8.9  | 2.4  | -   | -   | 64                      |
|                |     |              | 20                      | 13.4                     | 13.4 | 7.5  | 0.8  | -   | -   | 61                      |
|                |     |              | 25                      | 10.5                     | 10.5 | 6.2  | -    | -   | -   | 59                      |
|                |     | SW5          | 5                       | 18.7                     | 18.5 | 13.0 | 7.7  | 2.8 | -   | 76                      |
|                |     |              | 10                      | -                        | 16.4 | 11.8 | 6.6  | 1.6 | -   | 73                      |
|                |     |              | 15                      | -                        | 14.2 | 10.7 | 5.4  | -   | -   | 71                      |
|                |     |              | 20                      | -                        | 11.6 | 9.5  | 4.5  | -   | -   | 69                      |
|                |     |              | 25                      | -                        | 9.0  | 8.4  | 3.6  | -   | -   | 67                      |
|                |     | SW6          | 5                       | -                        | 11.7 | 11.1 | 7.8  | 5.2 | 3.1 | 98                      |
|                |     |              | 10                      | -                        | 10.3 | 10.2 | 7.2  | 4.8 | 2.8 | 96                      |
|                |     |              | 15                      | -                        | -    | 8.8  | 6.7  | 4.4 | 2.5 | 94                      |
|                |     |              | 20                      | -                        | -    | 7.3  | 6.2  | 4.0 | 2.1 | 92                      |
|                |     |              | 25                      | -                        | -    | 5.7  | 5.6  | 3.6 | 1.7 | 90                      |
| FCVJ10CI-P     | 1   | SW4          | 5                       | -                        | 21.3 | 20.5 | 13.5 | 6.6 | -   | 81                      |
|                |     |              | 10                      | -                        | 18.7 | 18.3 | 11.8 | 5.2 | -   | 78                      |
|                |     |              | 15                      | -                        | 16.0 | 15.9 | 10.1 | 3.8 | -   | 76                      |
|                |     |              | 20                      | -                        | 13.3 | 13.3 | 8.6  | 2.0 | -   | 73                      |
|                |     |              | 25                      | -                        | 10.5 | 10.5 | -    | -   | -   | 71                      |
|                |     | SW5          | 5                       | -                        | -    | 18.3 | 15.2 | 9.5 | 4.4 | 89                      |
|                |     |              | 10                      | -                        | -    | 16.1 | 13.8 | 8.5 | 3.4 | 87                      |
|                |     |              | 15                      | -                        | -    | 13.9 | 12.4 | 7.4 | 2.3 | 85                      |
|                |     |              | 20                      | -                        | -    | 11.4 | 10.9 | 6.0 | 1.1 | 82                      |
|                |     |              | 25                      | -                        | -    | 8.8  | 8.8  | 4.7 | -   | 80                      |
|                |     | SW6          | 5                       | -                        | -    | 11.4 | 11.3 | 9.3 | 6.7 | 118                     |
|                |     |              | 10                      | -                        | -    | -    | 10.1 | 8.6 | 6.2 | 116                     |
|                |     |              | 15                      | -                        | -    | -    | 8.7  | 8.0 | 5.7 | 113                     |
|                |     |              | 20                      | -                        | -    | -    | 7.2  | 7.1 | 5.3 | 111                     |
|                |     |              | 25                      | -                        | -    | -    | -    | 5.7 | 4.8 | 108                     |

# JET PUMPS - CONVERTIBLE VERSAJET PRO

## DEEP-WELL PERFORMANCE

| CVJ Pro Series |     |              |                         | Discharge Pressure (PSI) |      |      |     |     |     | Shut-off Pressure (PSI) |
|----------------|-----|--------------|-------------------------|--------------------------|------|------|-----|-----|-----|-------------------------|
| Model          | HP  | Injector Kit | Total Suction Lift (ft) | 30                       | 35   | 40   | 45  | 50  | 55  |                         |
|                |     |              |                         | Gallons Per Minute (GPM) |      |      |     |     |     |                         |
| FCVJ05CI-P     | 1/2 | DW2          | 30                      | 11.1                     | 7.2  | 4.0  | 1.3 | -   | -   | 65                      |
|                |     |              | 40                      | 9.3                      | 5.7  | 2.7  | -   | -   | -   | 60                      |
|                |     |              | 50                      | 7.4                      | 4.2  | 1.5  | -   | -   | -   | 55                      |
|                |     |              | 60                      | 5.6                      | 2.7  | -    | -   | -   | -   | 51                      |
|                |     |              | 70                      | 4.1                      | 1.3  | -    | -   | -   | -   | 45                      |
|                |     |              | 80                      | 2.7                      | -    | -    | -   | -   | -   | 40                      |
|                |     |              | 90                      | 1.2                      | -    | -    | -   | -   | -   | 35                      |
|                |     | DW1          | 30                      | -                        | 6.6  | 5.0  | 3.4 | 2.2 | 1.3 | 97                      |
|                |     |              | 40                      | 6.6                      | 6.0  | 4.2  | 2.8 | 1.7 | 0.9 | 92                      |
|                |     |              | 50                      | 6.6                      | 5.1  | 3.5  | 2.3 | 1.3 | -   | 86                      |
|                |     |              | 60                      | 5.9                      | 4.1  | 2.7  | 1.7 | 0.8 | -   | 81                      |
|                |     |              | 70                      | 5.0                      | 3.4  | 2.2  | 1.2 | -   | -   | 76                      |
|                |     |              | 80                      | 4.1                      | 2.7  | 1.6  | 0.8 | -   | -   | 70                      |
|                |     |              | 90                      | 3.1                      | 2.0  | 1.1  | -   | -   | -   | 65                      |
| FCVJ07CI-P     | 3/4 | DW2          | 30                      | 12.2                     | 9.9  | 6.3  | 3.5 | 0.8 | -   | 74                      |
|                |     |              | 40                      | 11.4                     | 8.2  | 4.9  | 2.2 | -   | -   | 69                      |
|                |     |              | 50                      | 9.7                      | 6.5  | 3.5  | 0.8 | -   | -   | 64                      |
|                |     |              | 60                      | 7.9                      | 4.8  | 2.1  | -   | -   | -   | 59                      |
|                |     |              | 70                      | 6.1                      | 3.4  | 0.8  | -   | -   | -   | 53                      |
|                |     |              | 80                      | 4.3                      | 2.0  | -    | -   | -   | -   | 48                      |
|                |     |              | 90                      | 2.5                      | 0.6  | -    | -   | -   | -   | 43                      |
|                |     | DW4          | 30                      | -                        | 7.9  | 5.9  | 4.1 | 2.7 | 1.4 | 94                      |
|                |     |              | 40                      | 7.9                      | 6.9  | 5.0  | 3.4 | 2.1 | 0.9 | 88                      |
|                |     |              | 50                      | 7.5                      | 5.8  | 4.1  | 2.6 | 1.4 | -   | 83                      |
|                |     |              | 60                      | 6.6                      | 4.7  | 3.2  | 1.9 | 0.8 | -   | 77                      |
|                |     |              | 70                      | 5.5                      | 3.9  | 2.5  | 1.3 | -   | -   | 71                      |
|                |     |              | 80                      | 4.4                      | 3.1  | 1.7  | 0.6 | -   | -   | 66                      |
|                |     |              | 90                      | 3.3                      | 2.3  | 1.0  | -   | -   | -   | 60                      |
| FCVJ10CI-P     | 1   | DW3          | 30                      | -                        | 16.5 | 9.8  | 3.5 | -   | -   | 67                      |
|                |     |              | 40                      | -                        | 13.0 | 6.9  | 1.0 | -   | -   | 62                      |
|                |     |              | 50                      | -                        | 9.4  | 4.1  | -   | -   | -   | 57                      |
|                |     |              | 60                      | -                        | 5.9  | 1.2  | -   | -   | -   | 52                      |
|                |     | DW2          | 30                      | -                        | 12.2 | 10.3 | 7.0 | 4.1 | 1.5 | 87                      |
|                |     |              | 40                      | -                        | 11.4 | 8.6  | 5.5 | 2.8 | -   | 82                      |
|                |     |              | 50                      | -                        | 9.7  | 6.9  | 4.0 | 1.4 | -   | 76                      |
|                |     |              | 60                      | -                        | 8.2  | 5.2  | 2.5 | -   | -   | 71                      |
|                |     |              | 70                      | -                        | 6.6  | 3.8  | 1.3 | -   | -   | 66                      |
|                |     |              | 80                      | -                        | 4.9  | 2.5  | -   | -   | -   | 60                      |
|                |     |              | 90                      | -                        | 3.3  | 1.1  | -   | -   | -   | 55                      |
|                |     | DW4          | 30                      | -                        | 7.9  | 7.8  | 6.3 | 4.8 | 3.3 | 111                     |
|                |     |              | 40                      | -                        | 7.9  | 7.3  | 5.4 | 4.0 | 2.6 | 105                     |
|                |     |              | 50                      | -                        | 7.8  | 6.3  | 4.6 | 3.2 | 2.0 | 99                      |
|                |     |              | 60                      | -                        | 7.0  | 5.2  | 3.7 | 2.4 | 1.3 | 93                      |
|                |     |              | 70                      | -                        | 6.0  | 4.4  | 3.0 | 1.8 | 0.7 | 87                      |
|                |     |              | 80                      | -                        | 5.1  | 3.6  | 2.3 | 1.2 | -   | 82                      |
|                |     |              | 90                      | -                        | 4.1  | 2.8  | 1.6 | 0.6 | -   | 76                      |

## JET PUMPS - CONVERTIBLE VERSAJET PRO

### ORDERING INFORMATION

#### REPLACEMENT DEEP WELL PUMPS

(Where the existing deep well injector assembly remains in the well, connected to the suction & pressure pipes and only the surface pump and motor are being replaced)

1. Select the replacement pump from the following chart, based upon the pump brand, series and horsepower rating of the unit being replaced. Please consult performance charts to verify new pump will meet design expectations.

| Convertible Versajet Pro with Suction Flange Factory Mounted |     |              |                |                     |
|--------------------------------------------------------------|-----|--------------|----------------|---------------------|
| Model                                                        | HP  | Order Number | Suction Flange | Accepts SW Injector |
| CVJ05CI-S-P                                                  | 1/2 | 96136105     | K1-S           | Yes                 |
| CVJ07CI-S-P                                                  | 3/4 | 96136107     |                |                     |
| CVJ10CI-S-P                                                  | 1   | 96136110     |                |                     |
| CVJ05CI-M-P                                                  | 1/2 | 96133105     | K4-M           | No                  |
| CVJ07CI-M-P                                                  | 3/4 | 96133107     |                |                     |
| CVJ10CI-M-P                                                  | 1   | 96133110     |                |                     |

#### NEW DEEP WELL PUMP INSTALLATIONS (MINIMUM 4" I.D. WELL REQUIRED)

1. Select the pump from the above chart after having consulted the performance charts to verify the desired flow and pressure will be achieved from the depth from which well water is to be lifted using the following deep well injector kit.
2. To maintain sufficient back-pressure on the deep well injector, a deep well control valve should be installed on the discharge line.  
(1" MNPT x 1" FNPT connections)

| Deep Well Injector | Order Number |
|--------------------|--------------|
| DW1-5              | 96152000     |

*NOTE: This kit contains all nozzle & venturi combinations, plus instructions of how to choose and install the correct ones for your specific application*

| Deep Well Control Valve | Order Number |
|-------------------------|--------------|
| DW-CV                   | 96150951     |

## JET PUMPS - CONVERTIBLE VERSAJET

### ORDERING INFORMATION (CONT.)

#### NEW OR REPLACEMENT SHALLOW WELL PUMP INSTALLATIONS

1. Select the pump with K1-S suction flange the from the following chart, based upon the horsepower rating and performance needed. Note that only the K1-S suction flange will allow the shallow well injector kit to bolt up to it successfully.

| Convertible Versajet with Suction Flange Factory Mounted |     |              |                |                     |
|----------------------------------------------------------|-----|--------------|----------------|---------------------|
| Model                                                    | HP  | Order Number | Suction Flange | Accepts SW Injector |
| CVJ05CI-S-P                                              | 1/2 | 96136105     | K1-S           | Yes                 |
| CVJ07CI-S-P                                              | 3/4 | 96136107     |                |                     |
| CVJ10CI-S-P                                              | 1   | 96136110     |                |                     |

2. Order the following shallow well injector kit to fit the pump selected. This kit contains nozzles and venturi to enable it to fit all shallow well applications described in the performance charts.

| Shallow Well Injector | Order Number |
|-----------------------|--------------|
| SWI-7                 | 96151000     |

*NOTE: This kit contains all nozzle & venturi combinations, plus instructions of how to choose and install the correct ones for your specific application*

#### ALTERNATE SUCTION FLANGE KITS

1. Should an alternate suction flange kit be needed to retrofit a pump to enable it to serve a specific application, the following are available and include all necessary hardware for mounting.

| Suction Flange Model | Order Number |
|----------------------|--------------|
| K1-S (Sta-Rite)      | 96150946     |
| K2-G (Goulds)        | 96150947     |
| K3-F (F&W)           | 96150948     |
| K4-M (Myers)         | 96150949     |
| K5-J (Jacuzzi)       | 96150952     |

## JET PUMPS - CONVERTIBLE PRO (RM2) SERIES

### FEATURES

- Heavy-duty cast iron case with 1-1/4" inlet and (3) 1" outlets
- Stainless steel impeller ensures optimum durability
- Thermoplastic diffuser is precision molded for optimum efficiency
- Each pump factor equipped with internal shallow well injector easily replaced with bypass plug for deep well operation
- Shaft coupling designed for easy removal of keyed shaft motor
- Carbon/ceramic faced mechanical shaft seal with nitrile elastomer ensures positive sealing at all pressures
- High service factor 56C-frame motor for maximum performance
- Adjustable pressure switch is factory installed and set at 30/50 psi
- Maximum temperature of 140 °F/60 °C; 150 PSI maximum working pressure



### ORDERING INFORMATION

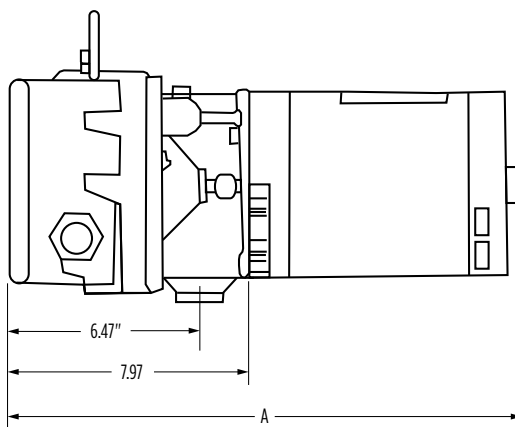
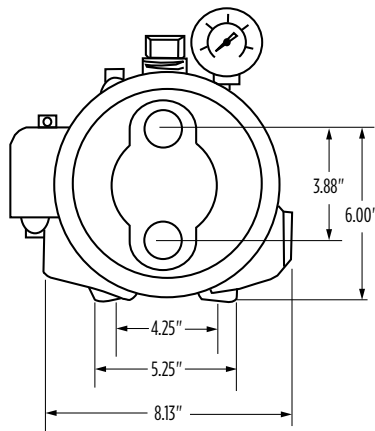
| Model    | HP  | Phase | Voltage     | S.F.A    | Pump Unit |           | Deep-Well Injector      |           |           |
|----------|-----|-------|-------------|----------|-----------|-----------|-------------------------|-----------|-----------|
|          |     |       |             |          | Order No. | Wt. (lbs) | Total Suction Lift (ft) | Order No. | Wt. (lbs) |
| FP05CI-C | 1/2 | 1     | 115/230     | 11.8/5.9 | 91140005  | 48        | 30-60                   | 147E1120  | 7         |
|          |     |       |             |          |           |           | 50-100                  | 147E0915  |           |
| FP07CI-C | 3/4 |       |             | 14.8/7.4 | 91140007  | 51        | 30-60                   | 147E1023  |           |
|          |     |       |             |          |           |           | 50-100                  | 147E1118  |           |
| FP1CI-C  | 1   | 3     | 208-230/460 | 14.4/7.7 | 91140010  | 53        | 30-60                   | 147E1125  |           |
| FP1CI-C  | 1   |       |             | 4.6/2.3  | 91112011  | 53        | 50-100                  | 147E1120  |           |

NOTES: Order deep-well injector separately; minimum inside well diameter requirement of 4" for deep-well injectors; parallel pipe injectors are required for deep well installations

### DIMENSIONS

| Model    | HP  | A      |
|----------|-----|--------|
| FP05CI-C | 1/2 | 18.65" |
| FP07CI-C | 3/4 | 19.15" |
| FP1CI-C  | 1   | 19.65" |

NOTE: Dimensions will vary according to motor manufacturer



## JET PUMPS - CONVERTIBLE PRO (RM2) SERIES

### SHALLOW-WELL PERFORMANCE

| 1" Dis. x 1-1/4" Suc.  |     |                            | Discharge Pressure (PSI) |      |      |      |      |      |     |     |     |     |     |      | Shut-off<br>Pressure<br>(PSI) |
|------------------------|-----|----------------------------|--------------------------|------|------|------|------|------|-----|-----|-----|-----|-----|------|-------------------------------|
| Model                  | HP  | Total Suction<br>Lift (ft) | 30                       | 35   | 40   | 45   | 50   | 55   | 60  | 65  | 70  | 75  | 80  |      |                               |
|                        |     |                            | Gallons Per Minute (GPM) |      |      |      |      |      |     |     |     |     |     |      |                               |
| FP05CI-C               | 1/2 | 5                          | 12.5                     | 9.8  | 7.1  | 4.7  | 2.5  | -    | -   | -   | -   | -   | -   | 56.8 |                               |
|                        |     | 10                         | -                        | 8.6  | 6.0  | 3.6  | 1.5  | -    | -   | -   | -   | -   | -   | 54.2 |                               |
|                        |     | 15                         | -                        | 7.4  | 4.8  | 2.5  | 0.5  | -    | -   | -   | -   | -   | -   | 51.6 |                               |
|                        |     | 20                         | -                        | 6.0  | 3.5  | 1.6  | -    | -    | -   | -   | -   | -   | -   | 49.6 |                               |
|                        |     | 25                         | -                        | 4.5  | 2.2  | 0.6  | -    | -    | -   | -   | -   | -   | -   | 47.5 |                               |
| FP07CI-C               | 3/4 | 5                          | -                        | 15.1 | 12.9 | 9.5  | 6.2  | 3.1  | -   | -   | -   | -   | -   | 60.3 |                               |
|                        |     | 10                         | -                        | -    | 11.7 | 8.2  | 4.9  | 2.0  | -   | -   | -   | -   | -   | 58.4 |                               |
|                        |     | 15                         | -                        | -    | 10.4 | 6.8  | 3.6  | -    | -   | -   | -   | -   | -   | 56.4 |                               |
|                        |     | 20                         | -                        | -    | 8.4  | 5.5  | 2.4  | -    | -   | -   | -   | -   | -   | 54.1 |                               |
|                        |     | 25                         | -                        | -    | -    | 4.1  | 1.2  | -    | -   | -   | -   | -   | -   | 51.8 |                               |
| FP1CI-C                | 1   | 5                          | -                        | -    | -    | 16.8 | 14.0 | 11.1 | 8.1 | 5.0 | 1.8 | -   | -   | 73.0 |                               |
|                        |     | 10                         | -                        | -    | -    | -    | 12.7 | 9.9  | 7.0 | 3.9 | -   | -   | -   | 71.3 |                               |
|                        |     | 15                         | -                        | -    | -    | -    | 11.4 | 8.7  | 5.9 | 2.8 | -   | -   | -   | 69.5 |                               |
|                        |     | 20                         | -                        | -    | -    | -    | -    | 7.1  | 4.2 | -   | -   | -   | -   | 66.7 |                               |
|                        |     | 25                         | -                        | -    | -    | -    | -    | 5.5  | 2.5 | -   | -   | -   | -   | 63.8 |                               |
| FP1CI-C<br>(High Head) | 1   | 5                          | -                        | -    | -    | -    | -    | 11.2 | 8.9 | 6.8 | 4.9 | 3.1 | 1.4 | 84.2 |                               |
|                        |     | 10                         | -                        | -    | -    | -    | -    | 10.0 | 7.9 | 5.9 | 4.0 | 2.2 | -   | 81.6 |                               |
|                        |     | 15                         | -                        | -    | -    | -    | -    | 8.8  | 6.8 | 4.9 | 3.1 | 1.3 | -   | 79.0 |                               |
|                        |     | 20                         | -                        | -    | -    | -    | -    | -    | 5.5 | 3.9 | 2.1 | 0.7 | -   | 76.0 |                               |
|                        |     | 25                         | -                        | -    | -    | -    | -    | -    | 4.2 | 2.8 | 1   | -   | -   | 72.9 |                               |

### DEEP-WELL PERFORMANCE

| 1" Dis. x 1-1/4" Suc. 1" Drive Pipe |     |                    |                         | Discharge Pressure (PSI) |      |      |      |     |     |     |     |     | Shut-off Pressure (PSI) | Inj. Min. Operating Pressure |    |
|-------------------------------------|-----|--------------------|-------------------------|--------------------------|------|------|------|-----|-----|-----|-----|-----|-------------------------|------------------------------|----|
| Model                               | HP  | Injector Order No. | Total Suction Lift (ft) | 30                       | 35   | 40   | 45   | 50  | 55  | 60  | 65  | 70  |                         |                              |    |
|                                     |     |                    |                         | Gallons Per Minute (GPM) |      |      |      |     |     |     |     |     |                         |                              |    |
| FP05CI-C                            | 1/2 | 147E1120           | 30                      | 9.0                      | 7.0  | 5.5  | 4.0  | 2.5 | 1.5 | -   | -   | -   | 65                      | 18                           |    |
|                                     |     |                    | 40                      | 7.5                      | 6.0  | 4.0  | 3.0  | 1.5 | -   | -   | -   | -   | 59                      |                              |    |
|                                     |     |                    | 50                      | 6.0                      | 4.5  | 3.0  | 2.0  | 1.0 | -   | -   | -   | -   | 56                      |                              |    |
|                                     |     |                    | 60                      | 5.0                      | 3.5  | 2.0  | 1.0  | -   | -   | -   | -   | -   | 52                      |                              |    |
|                                     |     | 147E0915           | 50                      | 6.0                      | 5.0  | 4.0  | 3.0  | 2.5 | 2.0 | 1.0 | -   | -   | -                       | 74                           | 23 |
|                                     |     |                    | 60                      | 5.0                      | 4.0  | 3.5  | 2.5  | 2.0 | 1.0 | -   | -   | -   | -                       | 70                           |    |
|                                     |     |                    | 70                      | 4.0                      | 3.5  | 2.5  | 2.0  | 1.5 | -   | -   | -   | -   | -                       | 65                           |    |
|                                     |     |                    | 80                      | 3.5                      | 3.0  | 2.0  | 1.5  | 1.0 | -   | -   | -   | -   | -                       | 61                           |    |
|                                     |     |                    | 90                      | 3.0                      | 2.0  | 1.5  | 1.0  | -   | -   | -   | -   | -   | -                       | 57                           |    |
|                                     |     |                    | 100                     | 2.5                      | 1.5  | 1.0  | -    | -   | -   | -   | -   | -   | -                       | 52                           |    |
| FP07CI-C                            | 3/4 | 147E1023           | 30                      | 15.5                     | 13.5 | 11.0 | 8.5  | 6.5 | 4.0 | 2.0 | -   | -   | 66                      | 18                           |    |
|                                     |     |                    | 40                      | 13.5                     | 11.5 | 9.0  | 7.0  | 4.5 | 2.4 | -   | -   | -   | 61                      |                              |    |
|                                     |     |                    | 50                      | 11.0                     | 9.5  | 7.0  | 5.0  | 3.0 | -   | -   | -   | -   | 57                      |                              |    |
|                                     |     |                    | 60                      | 9.0                      | 7.5  | 5.0  | 3.0  | 1.0 | -   | -   | -   | -   | 53                      |                              |    |
|                                     |     | 147E1118           | 50                      | 9.0                      | 8.0  | 7.0  | 6.0  | 4.5 | 3.5 | 3.0 | 2.0 | 1.0 | -                       | 80                           | 23 |
|                                     |     |                    | 60                      | 8.0                      | 7.0  | 6.0  | 4.5  | 4.0 | 3.0 | 2.0 | 1.5 | -   | -                       | 77                           |    |
|                                     |     |                    | 70                      | 6.5                      | 5.5  | 4.5  | 3.5  | 3.0 | 2.0 | 1.0 | -   | -   | -                       | 72                           |    |
|                                     |     |                    | 80                      | 6.0                      | 5.0  | 4.0  | 3.0  | 2.0 | 1.5 | -   | -   | -   | -                       | 67                           |    |
|                                     |     |                    | 90                      | 5.0                      | 4.0  | 3.0  | 2.0  | 1.5 | -   | -   | -   | -   | -                       | 63                           |    |
|                                     |     |                    | 100                     | 4.0                      | 3.0  | 2.5  | 1.5  | 1.0 | -   | -   | -   | -   | -                       | 30                           |    |
| FP1CI-C                             | 1   | 147E1125           | 30                      | 19.5                     | 17.0 | 14.5 | 12.0 | 9.5 | 7.0 | 5.0 | -   | -   | 72                      | 30                           |    |
|                                     |     |                    | 40                      | 17.5                     | 15.0 | 12.5 | 10.0 | 7.5 | 5.0 | 3.0 | -   | -   | -                       |                              | 67 |
|                                     |     |                    | 50                      | 15.5                     | 13.0 | 10.5 | 8.0  | 5.5 | 3.5 | 1.0 | -   | -   | -                       |                              | 63 |
|                                     |     |                    | 60                      | 13.0                     | 10.5 | 8.5  | 6.0  | 3.5 | 1.5 | -   | -   | -   | -                       |                              | 59 |
|                                     |     | 147E1120           | 50                      | -                        | 11.0 | 9.5  | 8.0  | 6.5 | 5.0 | 4.0 | 3.0 | 2.0 | -                       | 82                           | 36 |
|                                     |     |                    | 60                      | -                        | 10.0 | 8.0  | 7.0  | 5.5 | 4.0 | 3.0 | 2.0 | 1.0 | -                       | 78                           |    |
|                                     |     |                    | 70                      | -                        | 8.0  | 7.0  | 6.0  | 4.5 | 3.0 | 2.0 | 1.0 | -   | -                       | 73                           |    |
|                                     |     |                    | 80                      | -                        | 7.0  | 6.0  | 4.5  | 3.5 | 2.0 | 1.5 | -   | -   | -                       | 70                           |    |
|                                     |     |                    | 90                      | -                        | 6.0  | 5.0  | 3.5  | 2.5 | 1.5 | -   | -   | -   | -                       | 65                           |    |
|                                     |     |                    | 100                     | -                        | 5.0  | 4.0  | 3.0  | 1.5 | -   | -   | -   | -   | -                       | 61                           |    |

## JET PUMPS - CONVERTIBLE C SERIES

### FEATURES

- Heavy-duty cast iron volute and motor bracket for long life
- 1-1/2" inlet, (2) 3/4" outlets and (1) 1" outlet - all models
- 1/4" NPT ports for pressure gauge and AVC connection
- Stainless steel impeller for high performance and durability
- Thermoplastic diffuser is precision molded for efficiency
- Screw-in injector & bypass plug for easy conversion from shallow- to deep-well installation
- Stainless steel shaft on 56J threaded shaft motor for direct mounting of impeller
- Carbon/ceramic faced mechanical seal with nitrile elastomer ensures leak-proof operation at all discharge pressures
- Adjustable pressure switch is factory installed and set to 30-50 PSI
- Maximum temperature of 140 °F/60 °C; 75 PSI maximum working pressure
- Deep well injector kits must be ordered separately



### ORDERING INFORMATION

| Model No. | HP  | Voltage | S.F.A.   | Pump Unit |           | Deep-Well Injector      |           |           |
|-----------|-----|---------|----------|-----------|-----------|-------------------------|-----------|-----------|
|           |     |         |          | Order No. | Wt. (lbs) | Total Suction Lift (ft) | Order No. | Wt. (lbs) |
| FE05CI-C  | 1/2 | 115/230 | 9.4/4.8  | 91060020  | 45        | 20-60                   | 147E1018  | 7         |
|           |     |         |          |           |           | 12.8/6.4                | 147E1117  |           |
|           |     |         |          |           |           | 90-120                  | 147E1115  |           |
| FE07CI-C  | 3/4 | 115/230 | 12.8/6.4 | 91060053  | 50        | 20-60                   | 147E1124  |           |
|           |     |         |          |           |           | 50-90                   | 147E1019  |           |
|           |     |         |          |           |           | 80-120                  | 147E0914  |           |

## JET PUMPS - CONVERTIBLE C SERIES

### SHALLOW-WELL PERFORMANCE

| C Series  |     |                         | Discharge Pressure (PSI) |      |      |      |     |     | Shut-off Pressure<br>(PSI) |
|-----------|-----|-------------------------|--------------------------|------|------|------|-----|-----|----------------------------|
| Model No. | HP  | Total Suction Lift (ft) | 30                       | 35   | 40   | 45   | 50  | 55  |                            |
|           |     |                         | Gallons Per Minute (GPM) |      |      |      |     |     |                            |
| FE05CI-C  | 1   | 5                       | 9.7                      | 9.5  | 9.2  | 7.6  | 5.5 | 3.6 | 66.1                       |
|           |     | 10                      | 8.4                      | 8.2  | 8.0  | 6.5  | 4.5 | 2.7 | 64.0                       |
|           |     | 15                      | 7.0                      | 6.9  | 6.7  | 5.3  | 3.4 | 1.8 | 61.9                       |
|           |     | 20                      | 5.2                      | 5.2  | 5.1  | 4.0  | 2.6 | 0.9 | 58.7                       |
|           |     | 25                      | 3.4                      | 3.4  | 3.4  | 2.7  | 1.8 | 0.0 | 55.4                       |
| FE07CI-C  | 3/4 | 5                       | 15.8                     | 15.7 | 14.1 | 10.7 | 7.5 | 4.0 | 61                         |
|           |     | 10                      | 15.0                     | 14.9 | 12.8 | 9.2  | 6.0 | 2.5 | 59                         |
|           |     | 15                      | 14.0                     | 13.9 | 11.3 | 7.9  | 4.5 | 1.0 | 57                         |
|           |     | 20                      | 12.5                     | 12.4 | 9.6  | 6.4  | 3.0 | –   | 54                         |
|           |     | 25                      | 10.5                     | 10.4 | 8.3  | 4.9  | 1.5 | –   | 52                         |

### DEEP-WELL PERFORMANCE

| C Series  |     |                    |                         | Discharge Pressure (PSI) |      |      |      |     | Shut-off Pressure (PSI) |
|-----------|-----|--------------------|-------------------------|--------------------------|------|------|------|-----|-------------------------|
| Model No. | HP  | Injector Order No. | Total Suction Lift (ft) | 30                       | 35   | 40   | 45   | 50  |                         |
|           |     |                    |                         | Gallons Per Minute (GPM) |      |      |      |     |                         |
| FE05CI-C  | 1/2 | 147E1018           | 20                      | 10.5                     | 8.5  | 7.0  | 6.0  | 4.5 | 61                      |
|           |     |                    | 30                      | 8.5                      | 7.0  | 5.5  | 4.0  | 3.5 | 59                      |
|           |     |                    | 40                      | 7.0                      | 5.5  | 4.5  | 3.5  | 2.5 | 57                      |
|           |     |                    | 50                      | 5.5                      | 4.5  | 4.0  | 3.0  | 2.0 | 55                      |
|           |     |                    | 60                      | 4.5                      | 3.5  | 3.0  | 2.0  | 1.0 | 53                      |
|           |     | 147E1117           | 60                      | 5.0                      | 4.0  | 3.5  | 3.0  | 2.5 | 70                      |
|           |     |                    | 70                      | 4.0                      | 3.5  | 3.0  | 2.5  | 2.0 | 66                      |
|           |     |                    | 80                      | 3.5                      | 3.0  | 2.5  | 2.0  | 1.5 | 61                      |
|           |     |                    | 90                      | 3.0                      | 2.5  | 2.0  | 1.5  | 1.0 | 56                      |
|           |     | 147E1115           | 90                      | 3.0                      | 2.5  | 2.0  | 1.5  | 1.0 | 64                      |
|           |     |                    | 100                     | 2.5                      | 2.0  | 1.5  | 1.0  | 0.5 | 60                      |
|           |     |                    | 110                     | 2.0                      | 1.5  | 1.0  | 0.5  | -   | 56                      |
|           |     |                    | 120                     | 1.5                      | 1.0  | 0.5  | -    | -   | 52                      |
| FE07CI-C  | 3/4 | 147E1124           | 20                      | 16                       | 14.0 | 12.0 | 10.0 | 8.0 | 69                      |
|           |     |                    | 30                      | 14                       | 12.0 | 10.0 | 8.0  | 6.0 | 64                      |
|           |     |                    | 40                      | 11.5                     | 10.0 | 7.5  | 6.0  | 4.0 | 59                      |
|           |     |                    | 50                      | 10                       | 8.0  | 6.0  | 4.0  | 2.0 | 55                      |
|           |     |                    | 60                      | 7.5                      | 6.0  | 4.0  | 2.0  | -   | 50                      |
|           |     | 147E1019           | 50                      | 9.5                      | 8.5  | 7.5  | 6.5  | 5.5 | 74                      |
|           |     |                    | 60                      | 8.0                      | 7.0  | 6.0  | 5.0  | 4.0 | 70                      |
|           |     |                    | 70                      | 7.0                      | 6.0  | 5.0  | 4.0  | 3.0 | 66                      |
|           |     |                    | 80                      | 6.0                      | 5.0  | 4.0  | 3.0  | 2.0 | 61                      |
|           |     | 147E0914           | 90                      | 4.5                      | 3.5  | 2.5  | 2.0  | 1.0 | 56                      |
|           |     |                    | 80                      | 6.0                      | 4.0  | 3.5  | 3.0  | 3.0 | 87                      |
|           |     |                    | 90                      | 4.0                      | 3.5  | 3.5  | 3.0  | 2.5 | 83                      |
|           |     |                    | 100                     | 3.5                      | 3.5  | 3.0  | 2.5  | 2.0 | 80                      |
|           |     |                    | 110                     | 3.5                      | 3.0  | 2.5  | 2.0  | 2.0 | 76                      |
|           |     |                    | 120                     | 2.5                      | 2.5  | 2.0  | 2.0  | 1.5 | 72                      |

## SELF-PRIMING PUMPS

Irrigation and sprinkler pumps are designed for supplying large volumes of water from a lake or pond supply to an irrigation system. They can also be in high-volume applications transferring water between locations.

### PRODUCT FAMILY

- Turf Boss
- FBSE Series

### APPLICATIONS

- Agricultural Irrigation
- Lawn Sprinkling
- Industrial Dewatering
- HVAC Systems (Heat Pump and Air Conditioning)
- Water Transfer and Supply
- Freshwater Pumping
- Commercial/Industrial Liquid Transfer
- Dewatering
- Flood Irrigation
- Livestock Watering
- Septic Tank Installations (in areas with drainage problems)



Turf Boss

FBSE Series

## SELF-PRIMING IRRIGATION PUMPS - TURF BOSS, 1-2 HP

### FEATURES

- Self-priming design with the ability to lift water from a depth of 25'
- Easily serviced through a back pull-out design, which leaves all the plumbing and both the pump's base and case undisturbed in their original location
- Rugged cast iron case ensures optimum durability, quiet operation, and long life
- Modified PPO hydraulic components and floating stainless steel impeller eye-seal ensures dependable and efficient operation
- Optional 304 stainless steel impeller available for maximum durability
- 1- and 3-phase motors available with dual voltage on smaller horsepower models; three-phase inverter duty rated
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS hardware ensures positive sealing and longevity
- Integral 1" NPT priming plug and built-in drain plug for easy winterizing and servicing
- Shut-off pressures to 130 feet, flow rates to 70 gpm, and water temperatures to 120 °F



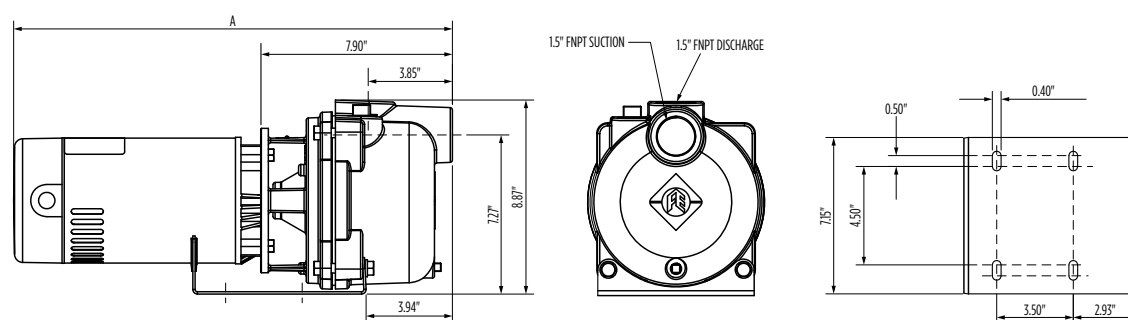
### ORDERING INFORMATION

| Complete Pump      |       |             |           |       |                |           |           |
|--------------------|-------|-------------|-----------|-------|----------------|-----------|-----------|
| Suc. x Dis. (FNPT) | Phase | Voltage     | S.F.A.    | HP    | Model          | Order No. | Wt. (lbs) |
| 1-1/2" x 1-1/2"    | 1     | 115/230     | 16.2/8.1  | 1     | FTB1CI         | 92980010  | 50        |
|                    |       | 115/230     | 21.4/10.7 | 1-1/2 | FTB15CI        | 92980015  | 57        |
|                    |       | 230         | 12.9      | 2     | FTB2CI         | 92980020  | 58        |
|                    | 1     | 115/230     | 16.2/8.1  | 1     | FTB1CI-SSI*    | 92981010  | 52        |
|                    |       | 115/230     | 21.4/10.7 | 1-1/2 | FTB15CI-SSI*   | 92981015  | 59        |
|                    |       | 230         | 12.9      | 2     | FTB2CI-SSI*    | 92981020  | 60        |
|                    | 3     | 208-230/460 | 4.0/2.0   | 1     | FTB1CI-SSI-T*  | 92983010  | 51        |
|                    |       | 208-230/460 | 6.8/3.4   | 1-1/2 | FTB15CI-SSI-T* | 92983015  | 55        |
|                    |       | 208-230/460 | 8.6/4.3   | 2     | FTB2CI-SSI-T*  | 92983020  | 57        |

\*Stainless steel impeller

### DIMENSIONS

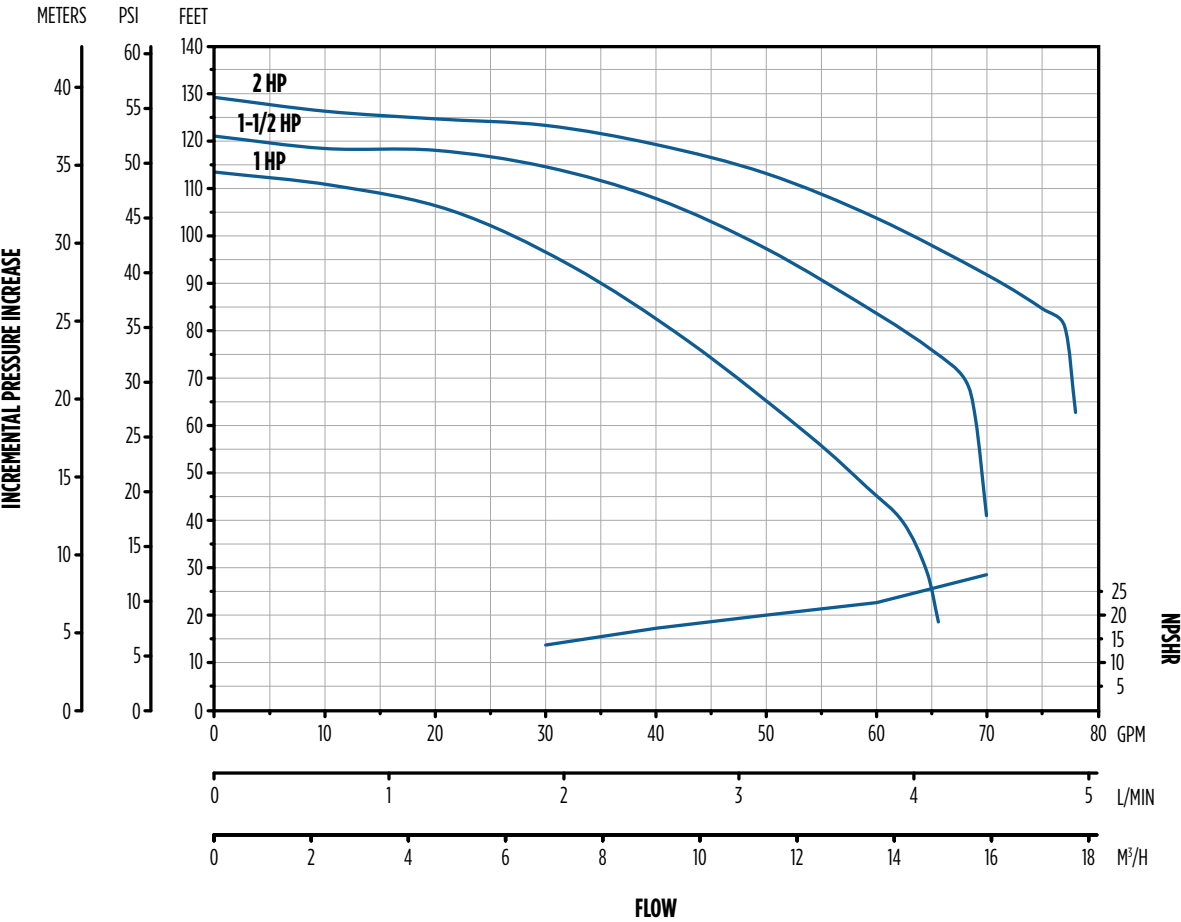
| Model   | HP    | A (1-Phase) | A (3-Phase) |
|---------|-------|-------------|-------------|
| FTB1CI  | 1     | 20.00"      | 23.40"      |
| FTB15CI | 1-1/2 | 21.60"      | 25.00"      |
| FTB2CI  | 2     | 21.60"      | 25.00"      |





# SELF-PRIMING IRRIGATION PUMPS - TURF BOSS

## PERFORMANCE: 1-2 HP



| Model   | HP    | Total Suction Lift (ft) | Discharge Pressure (PSI) |      |      |      |      |      |      | Shut-off Pressure (PSI) |
|---------|-------|-------------------------|--------------------------|------|------|------|------|------|------|-------------------------|
|         |       |                         | 20                       | 25   | 30   | 35   | 40   | 45   | 50   |                         |
|         |       |                         | Gallons Per Minute (GPM) |      |      |      |      |      |      |                         |
| FTB1CI  | 1     | 5                       | 53.0                     | 47.0 | 42.0 | 36.0 | 27.0 | 13.0 | -    | 46                      |
|         |       | 10                      | 49.0                     | 45.0 | 38.0 | 32.0 | 23.0 | -    | -    | 44                      |
|         |       | 15                      | 45.0                     | 43.0 | 37.0 | 28.0 | 17.0 | -    | -    | 42                      |
|         |       | 20                      | 38.0                     | 37.0 | 33.0 | 24.0 | -    | -    | -    | 40                      |
|         |       | 25                      | 28.0                     | 27.0 | 27.0 | 18.0 | -    | -    | -    | 38                      |
| FTB15CI | 1-1/2 | 5                       | 65.0                     | 64.0 | 63.0 | 58.0 | 48.0 | 37.0 | -    | 50                      |
|         |       | 10                      | 58.0                     | 58.0 | 57.0 | 55.0 | 45.0 | 26.0 | -    | 48                      |
|         |       | 15                      | 50.0                     | 49.0 | 48.0 | 48.0 | 40.0 | -    | -    | 46                      |
|         |       | 20                      | 41.0                     | 40.0 | 39.0 | 38.0 | 32.0 | -    | -    | 44                      |
|         |       | 25                      | 29.0                     | 28.0 | 28.0 | 27.0 | 17.0 | -    | -    | 42                      |
| FTB2CI  | 2     | 5                       | 70.0                     | 69.0 | 69.0 | 68.0 | 65.0 | 53.0 | 35.0 | 52                      |
|         |       | 10                      | 61.0                     | 60.0 | 60.0 | 59.0 | 58.0 | 47.0 | -    | 50                      |
|         |       | 15                      | 52.0                     | 51.0 | 50.0 | 49.0 | 48.0 | 37.0 | -    | 49                      |
|         |       | 20                      | 41.0                     | 40.0 | 39.0 | 38.0 | 35.0 | -    | -    | 47                      |
|         |       | 25                      | 29.0                     | 28.0 | 27.0 | 25.0 | 22.0 | -    | -    | 45                      |

## SELF-PRIMING IRRIGATION PUMPS - TURF BOSS, 3-5 HP

### FEATURES

- Volute: Built-in suction check valve facilitates priming and prevents back flow or siphoning
- Impeller: Combining efficient operation with durable construction to allow for use in a broad range of pumping applications; 5 hp is 304 stainless steel, 3 hp is cast iron (stainless steel coming soon)
- Seal: Standard carbon/ceramic faces; FKM elastomers; 300 series stainless steel components
- Diffuser: Cast iron is utilized in all models to improve pump efficiency
- Motor: Standard JM frame



### ORDERING INFORMATION

| HP | Pump Size (Suc. x Dis.) | ECNL | Phase | Volts   | SFA       | Motor Frame Size | Motor Code | Model      | Order No. | Wt. (lbs) |
|----|-------------------------|------|-------|---------|-----------|------------------|------------|------------|-----------|-----------|
| 3  | 2" x 2"                 | ODP  | 1     | 115/230 | 33.4/16.7 | 182JM            | JM-1       | FTB3CI     | 92980030  | 134       |
|    |                         |      | 3     | 230/460 | 8.4/4.2   | 145JM            | JM-1       | FTB3CI-T   | 92980035  | 110       |
|    |                         | TEFC | 1     | 115/230 | 33.4/16.7 | 182JM            | JM-1       | FTB3CI-E   | 92980130  | 134       |
|    |                         |      | 3     | 230/460 | 8.2/4.1   | 145JM            | JM-1       | FTB3CI-TE  | 92980135  | 110       |
|    |                         |      | 3     | 575     | 3.3       | 145JM            | JM-1       | FTB3CI-TSE | 92980136  | 106       |
|    |                         |      | 3     | 575     | 3.3       | 145JM            | JM-1       | FTB3CI-TSE | 92980136  | 106       |
| 5  | 2½" x 2"                | ODP  | 1     | 230     | 25.3      | 184JM            | JM-1       | FTB5CI     | 92980050  | 140       |
|    |                         |      | 3     | 230/460 | 13.8/6.9  | 182JM            | JM-1       | FTB5CI-T   | 92980055  | 130       |
|    |                         | TEFC | 1     | 230     | 19.0      | 184JM            | JM-1       | FTB5CI-E   | 92980150  | 140       |
|    |                         |      | 3     | 230/460 | 13.4/6.7  | 184JM            | JM-1       | FTB5CI-TE  | 92980155  | 130       |
|    |                         |      | 3     | 575     | 5.4       | 184JM            | JM-1       | FTB5CI-TSE | 92980156  | 125       |
|    |                         |      | 3     | 575     | 5.4       | 184JM            | JM-1       | FTB5CI-TSE | 92980156  | 125       |

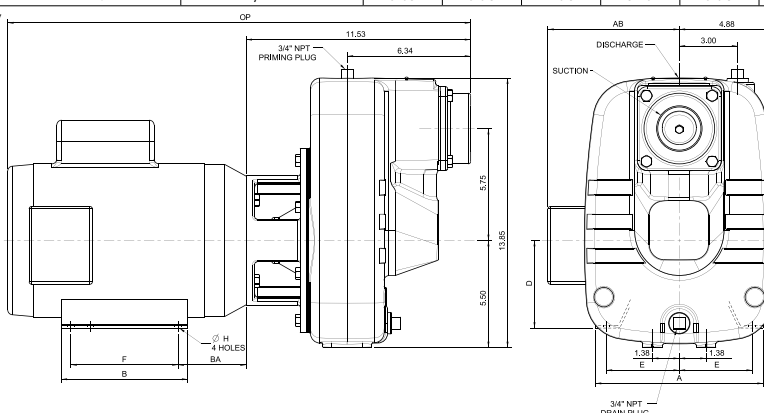
### PUMP END KITS

| HP | Pump Size (Suc. x Dis.) | NEMA Mtr Frame Size Fitment |        |             | Model     | Order No. | Wt. (lbs) |
|----|-------------------------|-----------------------------|--------|-------------|-----------|-----------|-----------|
| 3  | 2" x 2"                 | 143-184JM                   | 4.5 AK | .875" Shaft | FTB3CI-PE | 92980033  | 60        |
| 5  | 2-1/2" x 2"             |                             |        |             | FTB5CI-PE | 92980053  |           |

### DIMENSIONS

| Model      | Enclosure | Pump Size (Suc. x Dis.) | Dimensions (in.) |      |      |      |      |      |      |      |       |
|------------|-----------|-------------------------|------------------|------|------|------|------|------|------|------|-------|
|            |           |                         | A                | B    | D    | E    | F    | H    | AB   | BA   | OP    |
| FTB3CI     | ODP       | 2" X 2"                 | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.41 | 6.75 | 3.50 | 23.78 |
| FTB3CI-E   | TEFC      | 2" X 2"                 | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.44 | 6.87 | 3.50 | 29.59 |
| FTB3CI-T   | ODP       | 2" X 2"                 | 6.50             | 5.94 | 3.50 | 2.75 | 5.00 | 0.34 | 5.62 | 2.88 | 22.41 |
| FTB3CI-TE  | TEFC      | 2" X 2"                 | 6.50             | 5.94 | 3.50 | 2.75 | 5.00 | 0.38 | 5.74 | 2.88 | 23.57 |
| FTB3CI-TSE | TEFC      | 2" X 2"                 | 6.50             | 5.94 | 3.50 | 2.75 | 5.00 | 0.38 | 5.74 | 2.88 | 23.57 |
| FTB5CI     | ODP       | 2 1/2" X 2"             | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.41 | 6.75 | 3.51 | 23.78 |
| FTB5CI-E   | TEFC      | 2 1/2" X 2"             | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.45 | 6.87 | 3.50 | 26.83 |
| FTB5CI-T   | ODP       | 2 1/2" X 2"             | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.41 | 6.74 | 3.50 | 23.78 |
| FTB5CI-TE  | TEFC      | 2 1/2" X 2"             | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.41 | 6.87 | 3.50 | 25.34 |
| FTB5CI-TSE | TEFC      | 2 1/2" X 2"             | 8.63             | 6.50 | 4.50 | 3.75 | 5.50 | 0.41 | 6.87 | 3.50 | 25.34 |

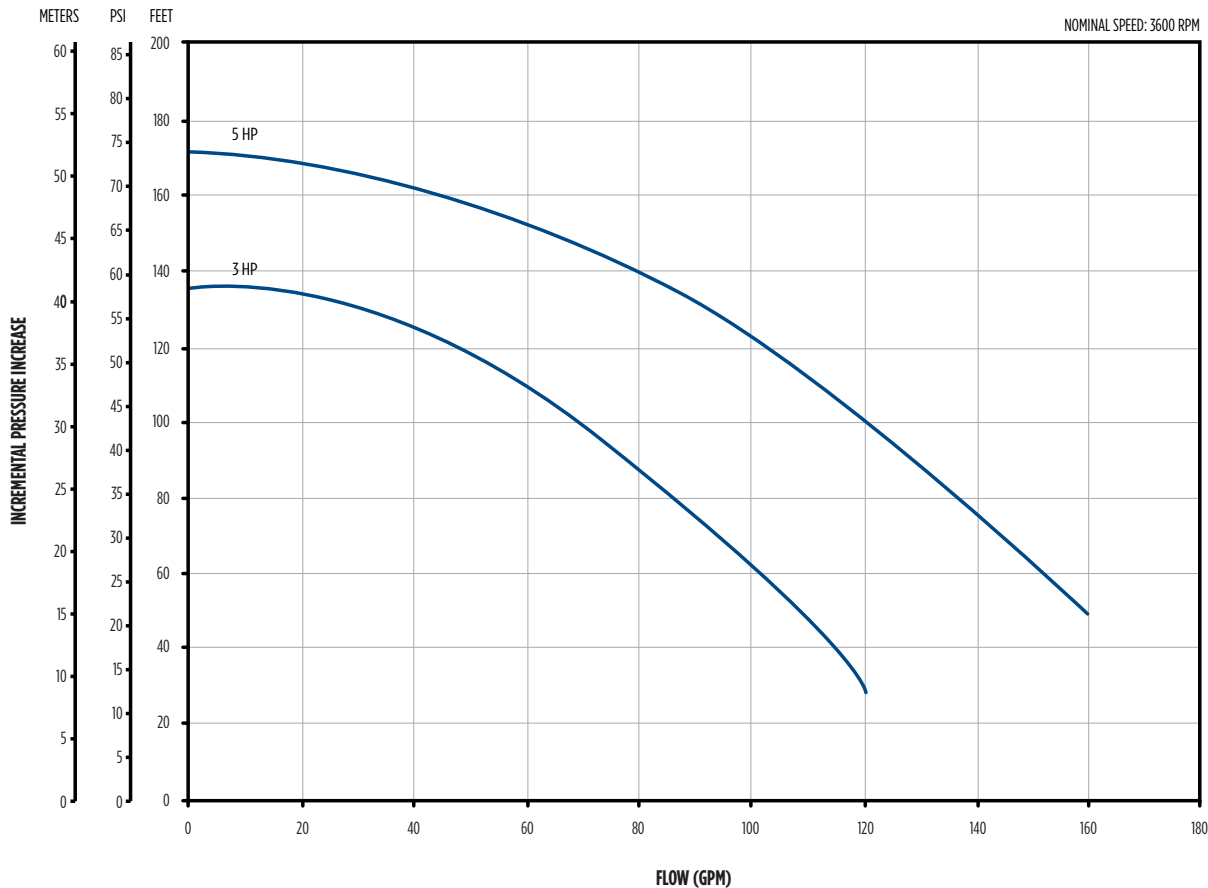
NOTE: Dimensions are for estimating purposes only





# SELF-PRIMING IRRIGATION PUMPS - TURF BOSS

PERFORMANCE: 3-5 HP



| Model  | HP | Total Suction Lift (ft) | Discharge Pressure (PSI) |     |     |     |     |     |    |    | Shut-off Pressure (PSI) |    |
|--------|----|-------------------------|--------------------------|-----|-----|-----|-----|-----|----|----|-------------------------|----|
|        |    |                         | 25                       | 30  | 35  | 40  | 45  | 50  | 55 | 60 |                         | 65 |
|        |    |                         | Gallons Per Minute (GPM) |     |     |     |     |     |    |    |                         |    |
| FTB3CI | 3  | 5                       | 99                       | 90  | 81  | 70  | 60  | 47  | -  | -  | -                       | 56 |
|        |    | 10                      | 95                       | 86  | 77  | 66  | 54  | -   | -  | -  | -                       | 54 |
|        |    | 15                      | 91                       | 82  | 73  | 62  | 49  | -   | -  | -  | -                       | 51 |
|        |    | 20                      | 87                       | 78  | 68  | 56  | 42  | -   | -  | -  | -                       | 49 |
|        |    | 25                      | 84                       | 74  | 63  | 51  | -   | -   | -  | -  | -                       | 47 |
| FTB5CI | 5  | 5                       | 149                      | 141 | 131 | 122 | 112 | 102 | 89 | 74 | 55                      | 71 |
|        |    | 10                      | 146                      | 137 | 127 | 118 | 108 | 97  | 82 | 65 | -                       | 69 |
|        |    | 15                      | 142                      | 132 | 124 | 114 | 104 | 92  | 76 | 57 | -                       | 67 |
|        |    | 20                      | 138                      | 129 | 119 | 109 | 98  | 84  | 68 | -  | -                       | 65 |
|        |    | 25                      | 134                      | 125 | 116 | 105 | 92  | 78  | 60 | -  | -                       | 63 |

## SELF-PRIMING EFFLUENT PUMPS - FBSE SERIES

### FEATURES

- Cast iron volute with tapped openings for priming, venting, and draining
- Semi-open cast iron impeller that is blind-hold tapped so liquid will not corrode the shaft; Ideal for handling fertilizer, salt water, dirty water, and other liquids
- Mechanical seal with carbon/ceramic faces, FKM elastomers, and 300-series stainless steel components
- Industry-standard square flange design motor 1/2 - 2HP models
- 3HP units utilize 56J shaft motors
- Capacities to 50 gpm; Heads to 92 feet
- 75 psi maximum working pressure; 120 °F maximum temperature
- Clockwise rotation when viewed from motor end



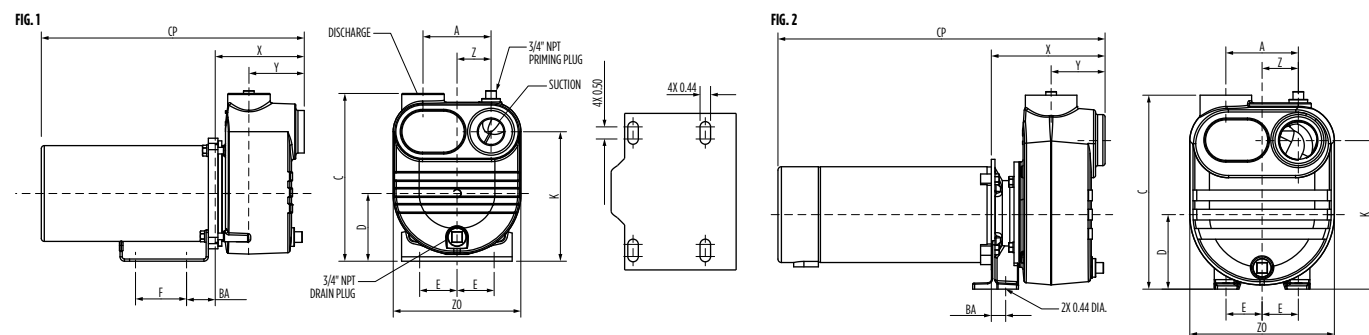
### ORDERING INFORMATION

| Complete Pump |       |    |             |                   |           |           |
|---------------|-------|----|-------------|-------------------|-----------|-----------|
| Model         | HP    | PH | Volts       | Dis. x Suc. (NPT) | Order No. | Wt. (lbs) |
| FBSE-50-S     | 1/2   | 1  | 115/230     | 1-1/4" x 1-1/4"   | 92931005  | 41        |
| FBSE-75-S     | 3/4   | 1  | 115/230     | 1-1/4" x 1-1/4"   | 92931007  | 42        |
| FBSE-100-S    | 1     | 1  | 115/230     | 1-1/4" x 1-1/4"   | 92931010  | 46        |
| FBSE-150-S    | 1-1/2 | 1  | 115/230     | 2" x 2"           | 92931015  | 52        |
| FBSE-200-S    | 2     | 1  | 230         | 2" x 2"           | 92931020  | 60        |
| FBSE-300-S    | 3     | 1  | 230         | 2" x 2"           | 92931030  | 70        |
| FBSE-300-T    | 3     | 3  | 208-230/460 | 2" x 2"           | 92933030  | 60        |

### DIMENSIONS

| Model      | HP    | Fig. | Dis. x Suc. (NPT) | CP     | A     | BA    | C      | D     | E     | F     | K     | X     | Y     | Z     | ZO    |
|------------|-------|------|-------------------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| FBSE-50-S  | 1/2   | 1    | 1-1/4" x 1-1/4"   | 15.46" | 4.00" | 1.69" | 9.86"  | 3.98" | 2.20" | 3.00" | 7.61" | 5.23" | 3.25" | 2.00" | 7.50" |
| FBSE-75-S  | 3/4   | 1    | 1-1/4" x 1-1/4"   | 15.96" | 4.00" | 1.69" | 9.86"  | 3.98" | 2.20" | 3.00" | 7.61" | 5.23" | 3.25" | 2.00" | 7.50" |
| FBSE-100-S | 1     | 1    | 1-1/4" x 1-1/4"   | 16.96" | 4.00" | 1.69" | 9.86"  | 3.98" | 2.20" | 3.00" | 7.61" | 5.23" | 3.25" | 2.00" | 7.50" |
| FBSE-150-S | 1-1/2 | 1    | 2" x 2"           | 17.91" | 4.26" | 1.69" | 11.00" | 3.98" | 2.20" | 3.00" | 8.36" | 5.44" | 3.17" | 2.13" | 8.50" |
| FBSE-200-S | 2     | 1    | 2" x 2"           | 19.16" | 4.26" | 1.69" | 11.00" | 3.98" | 2.20" | 3.00" | 8.36" | 5.44" | 3.17" | 2.13" | 8.50" |
| FBSE-300-S | 3     | 2    | 2" x 2"           | 19.23" | 4.26" | 0.85" | 11.44" | 4.38" | 2.13" | N/A   | 8.37" | 6.69" | 3.17" | 2.13" | 8.50" |
| FBSE-300-T | 3     | 2    | 2" x 2"           | 20.43" | 4.26" | 0.85" | 11.44" | 4.38" | 2.13" | N/A   | 8.37" | 6.69" | 3.17" | 2.13" | 8.50" |

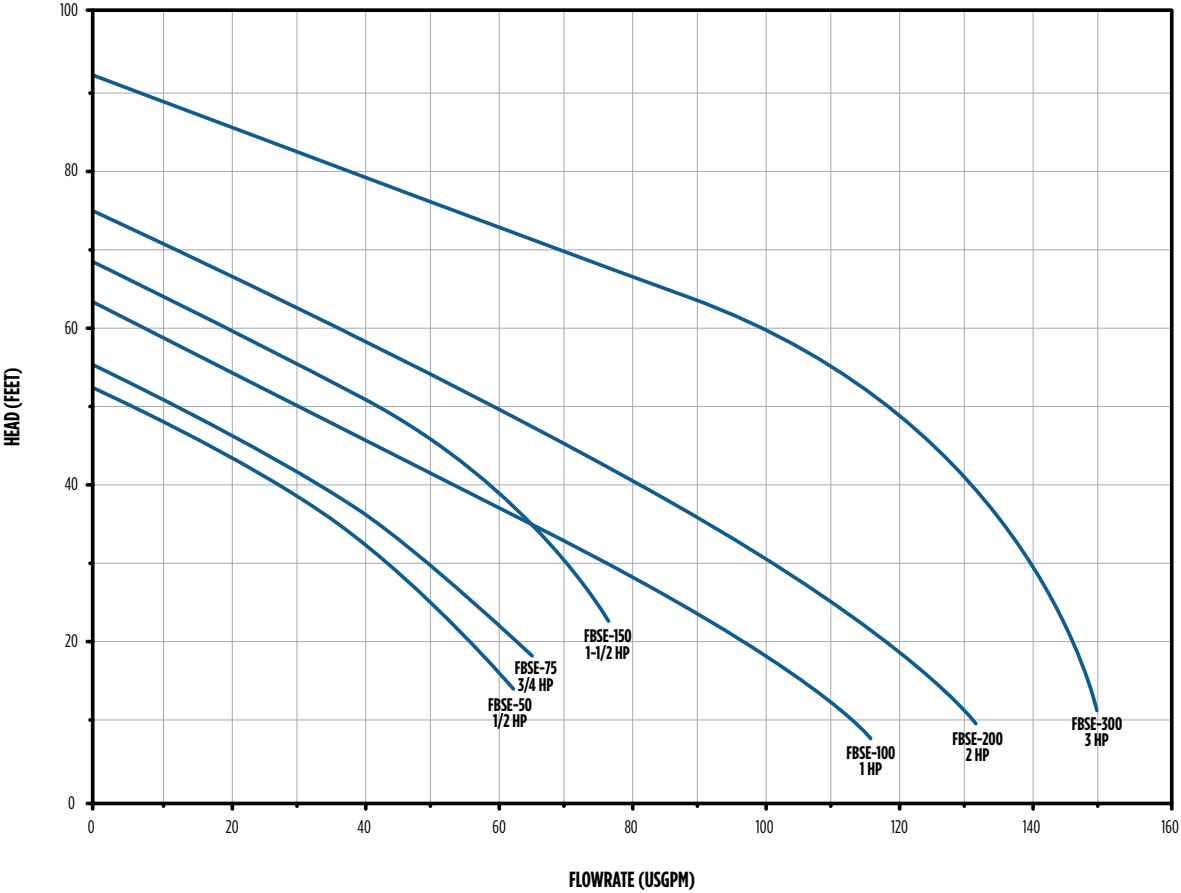
NOTE: Dimensions are for estimating purposes only





# SELF-PRIMING EFFLUENT PUMPS - FBSE SERIES

## PERFORMANCE



| Model    | HP    | Shut-off Head (ft) | Discharge Pressure (PSI) |       |       |       |       |       |      |
|----------|-------|--------------------|--------------------------|-------|-------|-------|-------|-------|------|
|          |       |                    | 10                       | 20    | 30    | 40    | 50    | 60    | 70   |
|          |       |                    | Gallons Per Minute (GPM) |       |       |       |       |       |      |
| FBSE-50  | 1/2   | 52                 | -                        | 56.0  | 44.0  | 27.0  | 6.0   | -     | -    |
| FBSE-75  | 3/4   | 55                 | -                        | 63.0  | 49.0  | 34.0  | 12.0  | -     | -    |
| FBSE-100 | 1     | 64                 | 113.0                    | 97.0  | 76.0  | 54.0  | 30.0  | 8.0   | -    |
| FBSE-150 | 1-1/2 | 68                 | -                        | -     | 70.0  | 58.0  | 42.0  | 19.0  | -    |
| FBSE-200 | 2     | 75                 | 131.0                    | 118.0 | 101.0 | 82.0  | 59.0  | 36.0  | 12.0 |
| FBSE-300 | 3     | 92                 | -                        | 145.0 | 139.0 | 132.0 | 119.0 | 100.0 | 69.0 |

## BOOSTER PUMPS

Franklin's booster pumps feature a stainless steel construction and are designed to meet any pressure-boosting need. The selection is available in a range of horsepower sizes, in single- and three-phase configurations, and offer high performance for a wide variety of applications. Whether boosting water pressure from a city main or a private water system, Franklin's quality pumps will fulfill the task.

### PRODUCT FAMILY

- MH Series
- BT4 Series
- BT4 Series 56C Pump Ends

### APPLICATIONS

- Pressure Boosting (from city mains or private water systems)
- Water Transfer and Circulation
- Lawn and Crop Irrigation
- Residential Lawn Sprinkler Systems
- Reverse Osmosis (MH/SS BT4)
- Filtration (SS BT4)
- Pressure Washing
- Poultry Houses
- Equipment Spray Cooling
- Evaporative Cooling System Mistlers
- General Purpose Plumbing
- Aeration
- Wash-Down Applications
- Commercial Water Features and Fountains
- Cisterns



MH Series



BT4 Series



BT4 Series 56C Pump Ends

## HORIZONTAL MULTI-STAGE PUMPS - MH SERIES

### FEATURES

- All 300-series stainless steel wet end
- Mechanical seal with carbon/ceramic faces, FKM elastomers, and 300-series stainless steel components
- Industry proven, UL778 approved, indoor/outdoor rated square-flange 2-compartment motors; three-phase inverter duty rated
- Available in 15, 30, and 45 gpm nominal flow ratings
- Maximum fluid temperatures up to 225 °F / 107°C; maximum working pressure of 140 psi.
- Capable of suction lifts of up to 10 feet



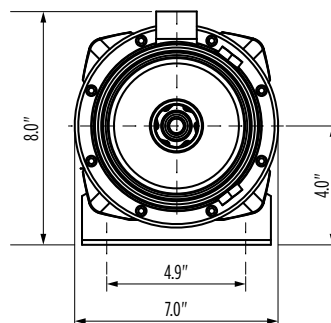
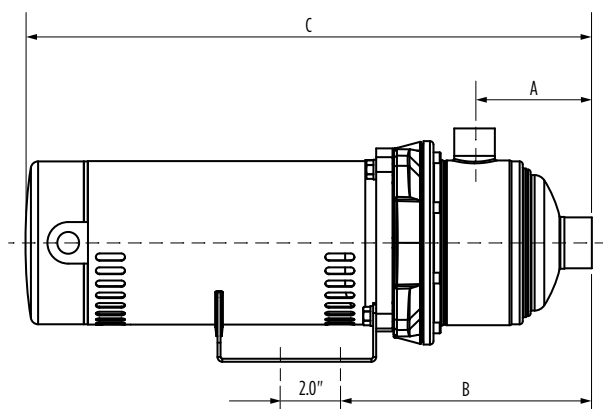
### ORDERING INFORMATION

| Dis. x Suc. (NPT) | Phase | Voltage     | GPM | Stage | HP    | S.F.A.    | Model No.   | Order No. | Wt. (lbs) |
|-------------------|-------|-------------|-----|-------|-------|-----------|-------------|-----------|-----------|
| 1" x 1-1/4"       | 1     | 115/230     | 15  | 2     | 1/2   | 9.4/4.7   | 15FMH05S2   | 96061500  | 22        |
|                   |       |             |     | 3     | 3/4   | 12.4/6.2  | 15FMH07S3   | 96061501  | 25        |
|                   |       |             |     | 4     | 1     | 14.8/7.4  | 15FMH1S4    | 96061502  | 29        |
|                   |       |             |     | 5     | 1-1/2 | 19.9/9.95 | 15FMH15S5   | 96061503  | 35        |
|                   |       |             |     | 6     | 2     | 24.0/12.0 | 15FMH2S6    | 96061504  | 40        |
| 1" x 1-1/4"       |       |             | 30  | 2     | 3/4   | 12.4/6.2  | 30FMH07S2   | 96063000  | 25        |
|                   |       |             |     | 3     | 1     | 14.8/7.4  | 30FMH1S3    | 96063001  | 33        |
|                   |       |             |     | 4     | 1-1/2 | 19.9/9.95 | 30FMH15S4   | 96063002  | 37        |
|                   |       |             |     | 5     | 2     | 24.0/12.0 | 30FMH2S5    | 96063003  | 41        |
| 1-1/4" x 1-1/2"   |       |             | 45  | 2     | 1-1/2 | 19.9/9.95 | 45FMH15S2   | 96064500  | 33        |
|                   |       |             |     | 3     | 2     | 24.0/12.0 | 45FMH2S3    | 96064501  | 39        |
| 1" x 1-1/4"       | 3     | 208-230/460 | 15  | 2     | 1/2   | 3.0/1.5   | 15FMH05S2-T | 96061510  | 24        |
|                   |       |             |     | 3     | 3/4   | 3.6/1.8   | 15FMH07S3-T | 96061511  | 24        |
|                   |       |             |     | 4     | 1     | 4.7/2.35  | 15FMH1S4-T  | 96061512  | 29        |
|                   |       |             |     | 5     | 1-1/2 | 6.8/3.4   | 15FMH15S5-T | 96061513  | 34        |
|                   |       |             |     | 6     | 2     | 8.5/4.25  | 15FMH2S6-T  | 96061514  | 42        |
| 1" x 1-1/4"       |       |             | 30  | 2     | 3/4   | 3.6/1.8   | 30FMH07S2-T | 96063010  | 24        |
|                   |       |             |     | 3     | 1     | 4.7/2.35  | 30FMH1S3-T  | 96063011  | 33        |
|                   |       |             |     | 4     | 1-1/2 | 6.8/3.4   | 30FMH15S4-T | 96063012  | 36        |
|                   |       |             |     | 5     | 2     | 8.5/4.25  | 30FMH2S5-T  | 96063013  | 43        |
| 1-1/4" x 1-1/2"   |       |             | 45  | 2     | 1-1/2 | 6.8/3.4   | 45FMH15S2-T | 96064510  | 32        |
|                   |       |             |     | 3     | 2     | 8.5/4.25  | 45FMH2S3-T  | 96064511  | 41        |

## HORIZONTAL MULTI-STAGE PUMPS - MH SERIES

### DIMENSIONS

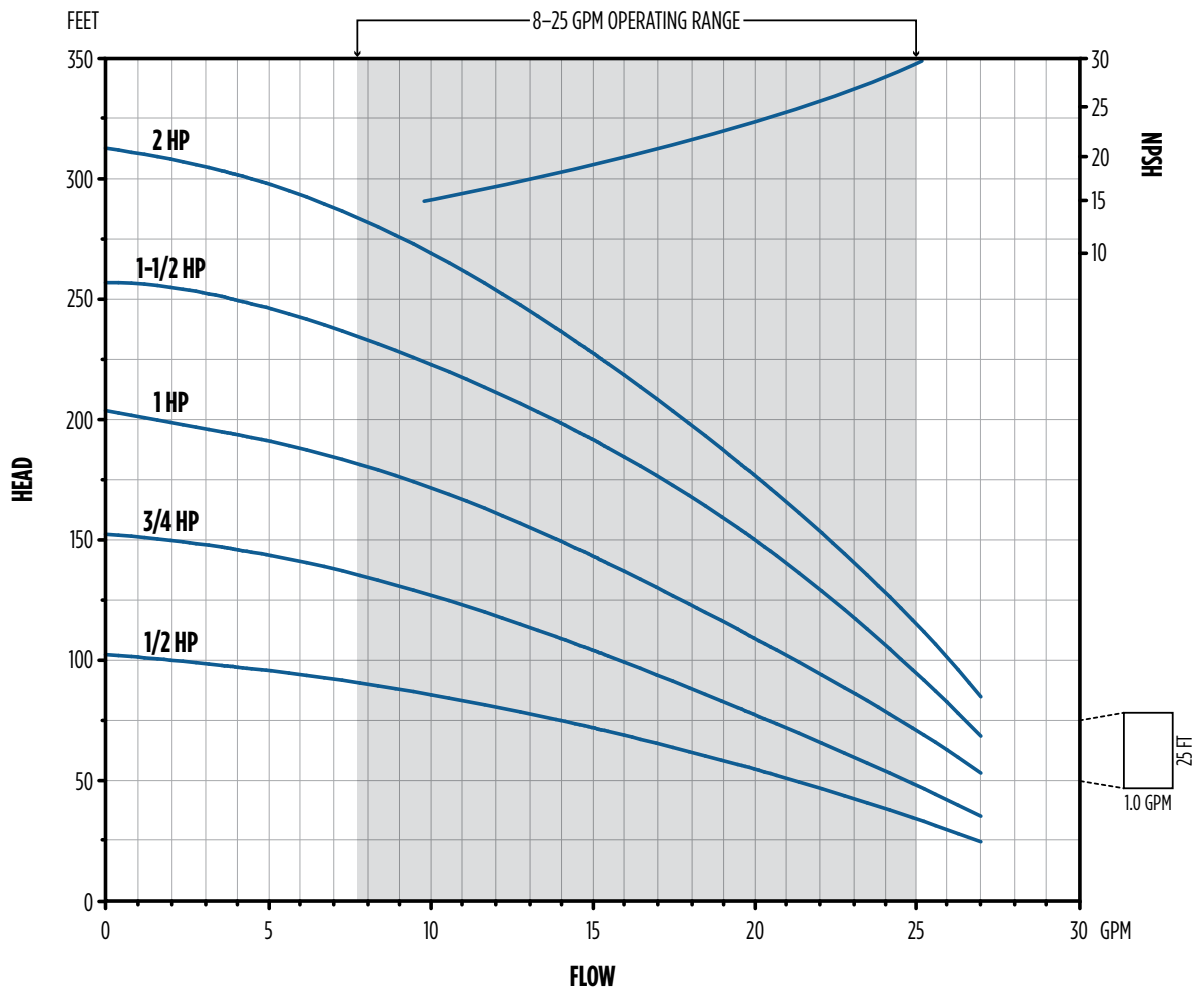
| Phase | GPM | Stage | HP    | Model        | A     | B      | C      |
|-------|-----|-------|-------|--------------|-------|--------|--------|
| 1     | 15  | 2     | 1/2   | 15FMH05S2    | 4.06" | 8.75"  | 16.75" |
|       |     | 3     | 3/4   | 15FMH07S3    | 4.06" | 8.75"  | 17.50" |
|       |     | 4     | 1     | 15FMH1S4     | 5.00" | 9.69"  | 19.07" |
|       |     | 5     | 1-1/2 | 15FMH1S5S    | 5.94" | 10.64" | 20.81" |
|       |     | 6     | 2     | 15FMH2S6     | 6.89" | 11.58" | 22.59" |
|       | 30  | 2     | 3/4   | 30FMH07S2    | 4.06" | 8.75"  | 17.50" |
|       |     | 3     | 1     | 30FMH1S3     | 4.06" | 8.75"  | 19.00" |
|       |     | 4     | 1-1/2 | 30FMH1S4     | 5.00" | 9.69"  | 20.70" |
|       |     | 5     | 2     | 30FMH2S5     | 5.94" | 10.64" | 21.64" |
|       | 45  | 2     | 1-1/2 | 45FMH1S5S2   | 4.65" | 9.34"  | 19.67" |
|       |     | 3     | 2     | 45FMH2S3     | 4.65" | 9.34"  | 20.50" |
| 3     | 15  | 2     | 1/2   | 15FMH05S2-T  | 4.06" | 8.75"  | 16.97" |
|       |     | 3     | 3/4   | 15FMH07S3-T  | 4.06" | 8.75"  | 17.62" |
|       |     | 4     | 1     | 15FMH1S4-T   | 5.00" | 9.69"  | 18.92" |
|       |     | 5     | 1-1/2 | 15FMH1S5S-T  | 5.94" | 10.64" | 20.78" |
|       |     | 6     | 2     | 15FMH2S6-T   | 6.89" | 11.58" | 22.56" |
|       | 30  | 2     | 3/4   | 30FMH07S2-T  | 4.06" | 8.75"  | 17.62" |
|       |     | 3     | 1     | 30FMH1S3-T   | 4.06" | 8.75"  | 18.85" |
|       |     | 4     | 1-1/2 | 30FMH1S4-T   | 5.00" | 9.69"  | 20.67" |
|       |     | 5     | 2     | 30FMH2S5-T   | 5.94" | 10.64" | 21.61" |
|       | 45  | 2     | 1-1/2 | 45FMH1S5S2-T | 4.65" | 9.34"  | 19.64" |
|       |     | 3     | 2     | 45FMH2S3-T   | 4.65" | 9.34"  | 20.47" |





## HORIZONTAL MULTI-STAGE PUMPS - MH SERIES

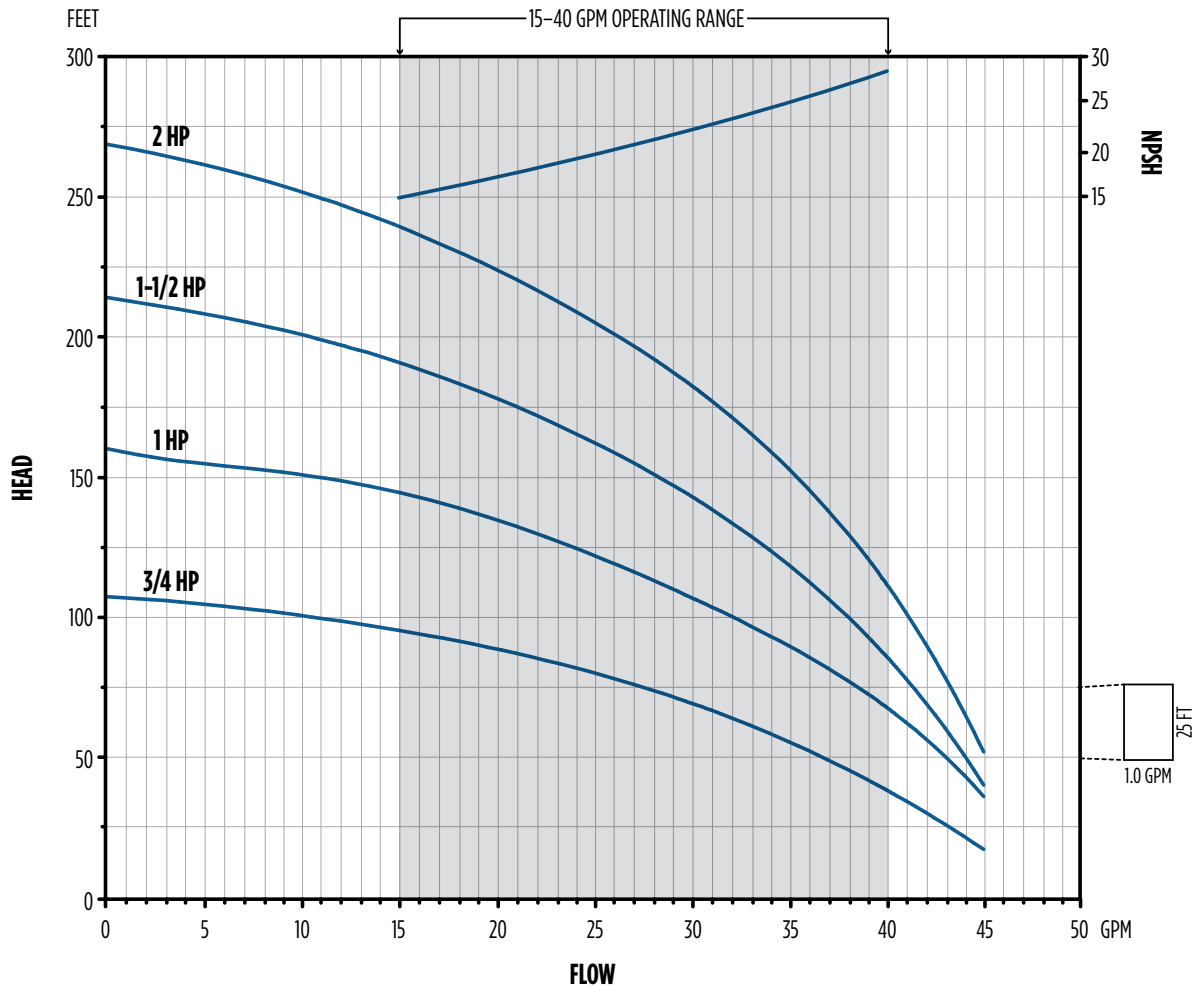
### PERFORMANCE - 15 GPM



| Model       | HP    | Total Head (ft)  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | Shut-of Head (PSI) |
|-------------|-------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|--------------------|
|             |       | 50               | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 190  | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  |     |                    |
|             |       | Capacities (GPM) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |                    |
| 15FMH05S2   | 1/2   | 21.0             | 18.0 | 15.0 | 12.0 | 8.0  | 1.0  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 44  |                    |
| 15FMH05S2-T |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |                    |
| 15FMH07S3   | 3/4   | 25.0             | 23.0 | 21.0 | 19.0 | 18.0 | 16.0 | 14.0 | 12.0 | 9.0  | 6.0  | 1.0  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 66  |                    |
| 15FMH07S3-T |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |                    |
| 15FMH1S4    | 1     | -                | 26.0 | 25.0 | 24.0 | 23.0 | 21.0 | 20.0 | 18.0 | 17.0 | 15.0 | 14.0 | 12.0 | 10.0 | 8.0  | 5.0  | 1.0  | -    | -    | -    | -    | -    | -    | -    | 88  |                    |
| 15FMH1S4-T  |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |                    |
| 15FMH1S5S   | 1-1/2 | -                | -    | 27.0 | 26.0 | 25.0 | 25.0 | 24.0 | 23.0 | 22.0 | 21.0 | 20.0 | 19.0 | 18.0 | 16.0 | 15.0 | 14.0 | 12.0 | 10.0 | 9.0  | 6.0  | 4.0  | -    | -    | 111 |                    |
| 15FMH1S5S-T |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |                    |
| 15FMH2S6    | 2     | -                | -    | -    | -    | 27.0 | 26.0 | 25.0 | 25.0 | 24.0 | 23.0 | 22.0 | 21.0 | 21.0 | 20.0 | 19.0 | 18.0 | 17.0 | 16.0 | 15.0 | 14.0 | 12.0 | 11.0 | 10.0 | 135 |                    |
| 15FMH2S6-T  |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |                    |

## HORIZONTAL MULTI-STAGE PUMPS - MH SERIES

### PERFORMANCE - 30 GPM

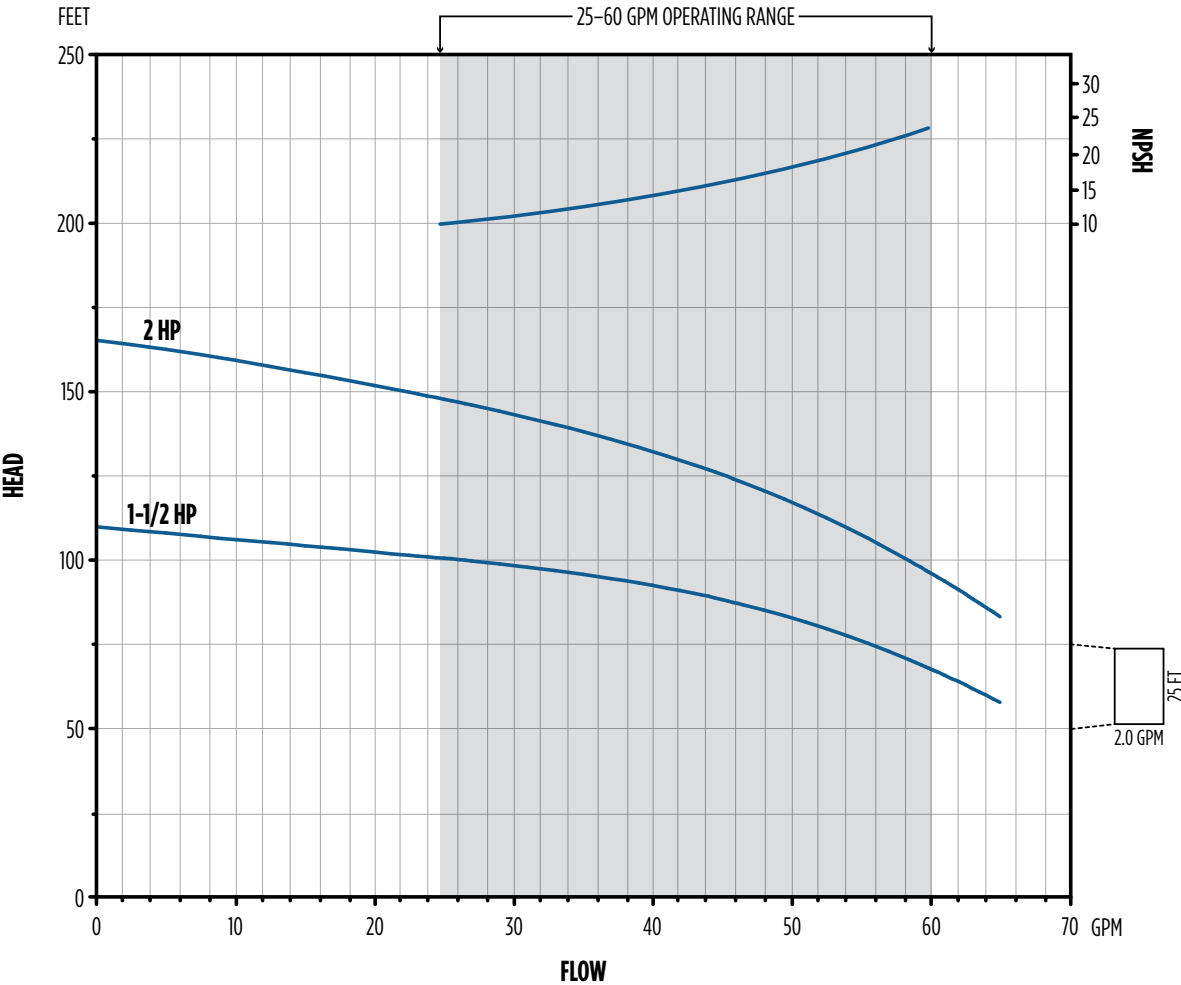


| Model       | HP    | Total Head (ft)  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Shut-off Head (PSI) |
|-------------|-------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------|
|             |       | 50               | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 190  | 200  | 210  | 220  | 230  | 240  |                     |
|             |       | Capacities (GPM) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                     |
| 30FMH07S2   | 3/4   | 37.0             | 33.0 | 30.0 | 25.0 | 19.0 | 10.0 | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 47   |                     |
| 30FMH07S2-T |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                     |
| 30FMH1S3    | 1     | 43.0             | 41.0 | 40.0 | 37.0 | 35.0 | 32.0 | 29.0 | 26.0 | 22.0 | 17.0 | 11.0 | -    | -    | -    | -    | -    | -    | -    | -    | 69   |                     |
| 30FMH1S3-T  |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                     |
| 30FMH1S4    | 1-1/2 | 44.0             | 43.0 | 42.0 | 41.0 | 39.0 | 38.0 | 36.0 | 35.0 | 33.0 | 31.0 | 28.0 | 26.0 | 23.0 | 19.0 | 15.0 | 10.0 | 3.0  | -    | -    | -    | 93                  |
| 30FMH1S4-T  |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                     |
| 30FMH2S5    | 2     | -                | 44.0 | 44.0 | 43.0 | 42.0 | 41.0 | 40.0 | 39.0 | 38.0 | 37.0 | 35.0 | 34.0 | 32.0 | 30.0 | 28.0 | 26.0 | 24.0 | 21.0 | 18.0 | 15.0 | 116                 |
| 30FMH2S5-T  |       |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                     |



# HORIZONTAL MULTI-STAGE PUMPS - MH SERIES

## PERFORMANCE - 45 GPM



| Model       | HP    | Total Head (ft)  |      |      |      |      |      |      |      |      |      |     | Shut-off Head (PSI) |
|-------------|-------|------------------|------|------|------|------|------|------|------|------|------|-----|---------------------|
|             |       | 60               | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160 |                     |
|             |       | Capacities (GPM) |      |      |      |      |      |      |      |      |      |     |                     |
| 45FMH15S2   | 1-1/2 | 64.0             | 59.0 | 52.0 | 43.0 | 26.0 | -    | -    | -    | -    | -    | -   | 47                  |
| 45FMH15S2-T |       |                  |      |      |      |      |      |      |      |      |      |     |                     |
| 45FMH2S3    | 2     | -                | -    | -    | 62.0 | 58.0 | 54.0 | 48.0 | 42.0 | 33.0 | 22.0 | 9.0 | 71                  |
| 45FMH2S3-T  |       |                  |      |      |      |      |      |      |      |      |      |     |                     |

## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### FEATURES

- Stainless steel discharge on all models with 1" NPT outlet
- Stainless steel or cast iron bracket; both with a rugged support foot for horizontal or vertical mounting, a handle for portability and with 1" NPT inlet
- Built with Franklin's patented (U.S. patent) 7,290,984 Tri-Seal floating stage system, providing maximum efficiency, longevity, and performance
- Acetal impellers, Modified PPO diffusers, and 300-series stainless steel hub, eye seals, shaft, and shell
- CI version: Mechanical seal with phenolic/ceramic faces, Buna elastomers, and stainless steel components
- SS version: Mechanical seal with carbon/ceramic faces, FKM elastomers, and stainless steel components
- Industry-proven ODP square-flange 2-compartment motors are easily serviced or replaced without either dismantling the pump end or disturbing the plumbing connections
- High service factor, 1/2-3 hp, 2-compartment dual-voltage motors; three-phase inverter duty rated
- Maximum fluid temperature of up to 120 °F/49 °C; 150 psi maximum working pressure



### ORDERING INFORMATION

| Phase | Volts       | GPM | Construction    | HP    | S.F.A.   | Model       | Order No. | Wt. (lbs) |
|-------|-------------|-----|-----------------|-------|----------|-------------|-----------|-----------|
| 3     | 208-230/460 | 5   | Stainless Steel | 1/2   | 3.0/1.5  | 5FBT05S4-T  | 95830555  | 37        |
|       |             |     |                 | 3/4   | 3.6/1.8  | 5FBT07S4-T  | 95830560  | 41        |
|       |             |     |                 | 1     | 4.7/2.35 | 5FBT1S4-T   | 95830565  | 46        |
|       | 208-230/460 | 7   |                 | 1/2   | 3.0/1.5  | 7FBT05S4-T  | 95830755  | 37        |
|       |             |     |                 | 3/4   | 3.6/1.8  | 7FBT07S4-T  | 95830760  | 40        |
|       |             |     |                 | 1     | 4.7/2.35 | 7FBT1S4-T   | 95830765  | 46        |
|       | 208-230/460 | 10  |                 | 1-1/2 | 6.8/3.4  | 7FBT15S4-T  | 95830770  | 53        |
|       |             |     |                 | 1/2   | 3.0/1.5  | 10FBT05S4-T | 95831055  | 37        |
|       |             |     |                 | 3/4   | 3.6/1.8  | 10FBT07S4-T | 95831060  | 39        |
|       |             |     |                 | 1     | 4.7/2.35 | 10FBT1S4-T  | 95831065  | 45        |
|       |             |     |                 | 1-1/2 | 6.8/3.4  | 10FBT15S4-T | 95831070  | 52        |
|       |             |     |                 | 2     | 8.5/4.25 | 10FBT2S4-T  | 95831075  | 56        |
|       | 208-230/460 | 15  |                 | 3/4   | 3.6/1.8  | 15FBT07S4-T | 95831560  | 39        |
|       |             |     |                 | 1     | 4.7/2.35 | 15FBT1S4-T  | 95831565  | 44        |
|       |             |     |                 | 1-1/2 | 6.8/3.4  | 15FBT15S4-T | 95831570  | 49        |
|       | 208-230/460 | 20  |                 | 2     | 8.5/4.25 | 15FBT2S4-T  | 95831575  | 55        |
|       |             |     |                 | 3/4   | 3.6/1.8  | 20FBT07S4-T | 95832060  | 39        |
|       |             |     |                 | 1     | 4.7/2.35 | 20FBT1S4-T  | 95832065  | 44        |
|       |             |     |                 | 1-1/2 | 6.8/3.4  | 20FBT15S4-T | 95832070  | 51        |
|       |             |     |                 | 2     | 8.5/4.25 | 20FBT2S4-T  | 95832075  | 55        |
|       |             |     |                 | 3     | 10.0/5.0 | 20FBT3S4-T  | 95832080  | 67        |
|       | 208-230/460 | 25  |                 | 1     | 4.7/2.35 | 25FBT1S4-T  | 95832565  | 44        |
|       |             |     |                 | 1-1/2 | 6.8/3.4  | 25FBT15S4-T | 95832570  | 48        |
|       |             |     |                 | 2     | 8.5/4.25 | 25FBT2S4-T  | 95832575  | 54        |
|       |             |     |                 | 3     | 10.0/5.0 | 25FBT3S4-T  | 95832580  | 66        |
|       |             |     |                 |       |          |             |           |           |



## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

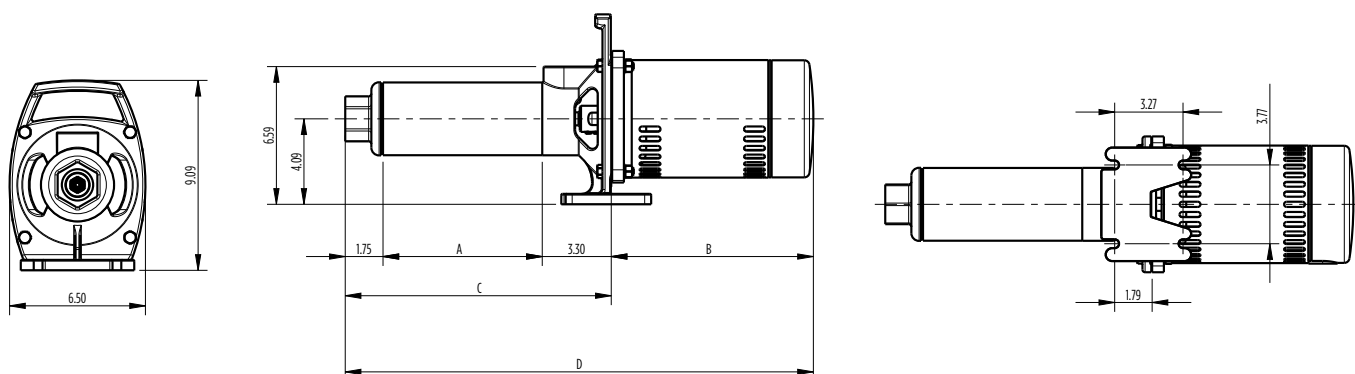
### ORDERING INFORMATION

| Phase | Volts   | GPM | Inlet Construction | HP    | S.F.A.    | Model     | Order No. | Wt. (lbs) |
|-------|---------|-----|--------------------|-------|-----------|-----------|-----------|-----------|
| 1     | 115/230 | 5   | Stainless Steel    | 1/2   | 12.4/6.2  | 5FBT05S4  | 95830510  | 37        |
|       |         |     |                    | 3/4   | 14.8/7.4  | 5FBT07S4  | 95830515  | 41        |
|       |         |     |                    | 1     | 19.9/9.95 | 5FBT1S4   | 95830520  | 46        |
|       |         |     | Cast Iron          | 1/2   | 12.4/6.2  | 5FBT05C4  | 95880505  | 36        |
|       |         |     |                    | 3/4   | 14.8/7.4  | 5FBT07C4  | 95880510  | 40        |
|       |         |     |                    | 1     | 19.9/9.95 | 5FBT1C4   | 95880515  | 43        |
|       |         | 7   | Stainless Steel    | 1/2   | 12.4/6.2  | 7FBT05S4  | 95830710  | 37        |
|       |         |     |                    | 3/4   | 14.8/7.4  | 7FBT07S4  | 95830715  | 40        |
|       |         |     |                    | 1     | 19.9/9.95 | 7FBT1S4   | 95830720  | 46        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 7FBT15S4  | 95830725  | 53        |
|       |         |     | Cast Iron          | 1/2   | 12.4/6.2  | 7FBT05C4  | 95880705  | 36        |
|       |         |     |                    | 3/4   | 14.8/7.4  | 7FBT07C4  | 95880710  | 40        |
|       |         |     |                    | 1     | 19.9/9.95 | 7FBT1C4   | 95880715  | 43        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 7FBT15C4  | 95880720  | 48        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 7FBT15C4  | 95880720  | 48        |
|       |         | 10  | Stainless Steel    | 1/2   | 12.4/6.2  | 10FBT05S4 | 95831010  | 37        |
|       |         |     |                    | 3/4   | 14.8/7.4  | 10FBT07S4 | 95831015  | 39        |
|       |         |     |                    | 1     | 19.9/9.95 | 10FBT1S4  | 95831020  | 45        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 10FBT15S4 | 95831025  | 52        |
|       |         |     | Cast Iron          | 2     | 24.0/12.0 | 10FBT2S4  | 95831030  | 56        |
|       |         |     |                    | 1/2   | 12.4/6.2  | 10FBT05C4 | 95881005  | 35        |
|       |         |     |                    | 3/4   | 14.8/7.4  | 10FBT07C4 | 95881010  | 39        |
|       |         |     |                    | 1     | 19.9/9.95 | 10FBT1C4  | 95881015  | 42        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 10FBT15C4 | 95881020  | 48        |
|       |         |     |                    | 2     | 24.0/12.0 | 10FBT2C4  | 95881025  | 55        |
|       |         | 15  | Stainless Steel    | 3/4   | 14.8/7.4  | 15FBT07S4 | 95831515  | 39        |
|       |         |     |                    | 1     | 19.9/9.95 | 15FBT1S4  | 95831520  | 44        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 15FBT15S4 | 95831525  | 49        |
|       |         |     |                    | 2     | 24.0/12.0 | 15FBT2S4  | 95831530  | 55        |
|       |         |     | Cast Iron          | 3/4   | 14.8/7.4  | 15FBT07C4 | 95881510  | 39        |
|       |         |     |                    | 1     | 19.9/9.95 | 15FBT1C4  | 95881515  | 41        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 15FBT15C4 | 95881520  | 47        |
|       |         |     |                    | 2     | 24.0/12.0 | 15FBT2C4  | 95881525  | 52        |
|       |         | 20  | Stainless Steel    | 3/4   | 14.8/7.4  | 20FBT07S4 | 95832015  | 39        |
|       |         |     |                    | 1     | 19.9/9.95 | 20FBT1S4  | 95832020  | 44        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 20FBT15S4 | 95832025  | 51        |
|       |         |     |                    | 2     | 24.0/12.0 | 20FBT2S4  | 95832030  | 55        |
|       |         |     |                    | 3     | 13.3      | 20FBT3S4  | 95832035  | 67        |
|       |         |     | Cast Iron          | 3/4   | 14.8/7.4  | 20FBT07C4 | 95882010  | 39        |
|       |         |     |                    | 1     | 19.9/9.95 | 20FBT1C4  | 95882015  | 41        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 20FBT15C4 | 95882020  | 47        |
|       |         |     |                    | 2     | 24.0/12.0 | 20FBT2C4  | 95882025  | 54        |
|       |         |     |                    | 3     | 13.3      | 20FBT3C4  | 95882035  | 70        |
|       |         | 25  | Stainless Steel    | 1     | 19.9/9.95 | 25FBT1S4  | 95832520  | 44        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 25FBT15S4 | 95832525  | 48        |
|       |         |     |                    | 2     | 24.0/12.0 | 25FBT2S4  | 95832530  | 54        |
|       |         |     |                    | 3     | 13.3      | 25FBT3S4  | 95832535  | 66        |
|       |         |     | Cast Iron          | 1     | 19.9/9.95 | 25FBT1C4  | 95882515  | 41        |
|       |         |     |                    | 1-1/2 | 24.0/12.0 | 25FBT15C4 | 95882520  | 46        |
|       |         |     |                    | 2     | 24.0/12.0 | 25FBT2C4  | 95882525  | 51        |
|       |         |     |                    | 3     | 13.3      | 25FBT3C4  | 95882535  | 69        |
|       |         |     |                    | 3     | 13.3      | 25FBT3C4  | 95882535  | 69        |

## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

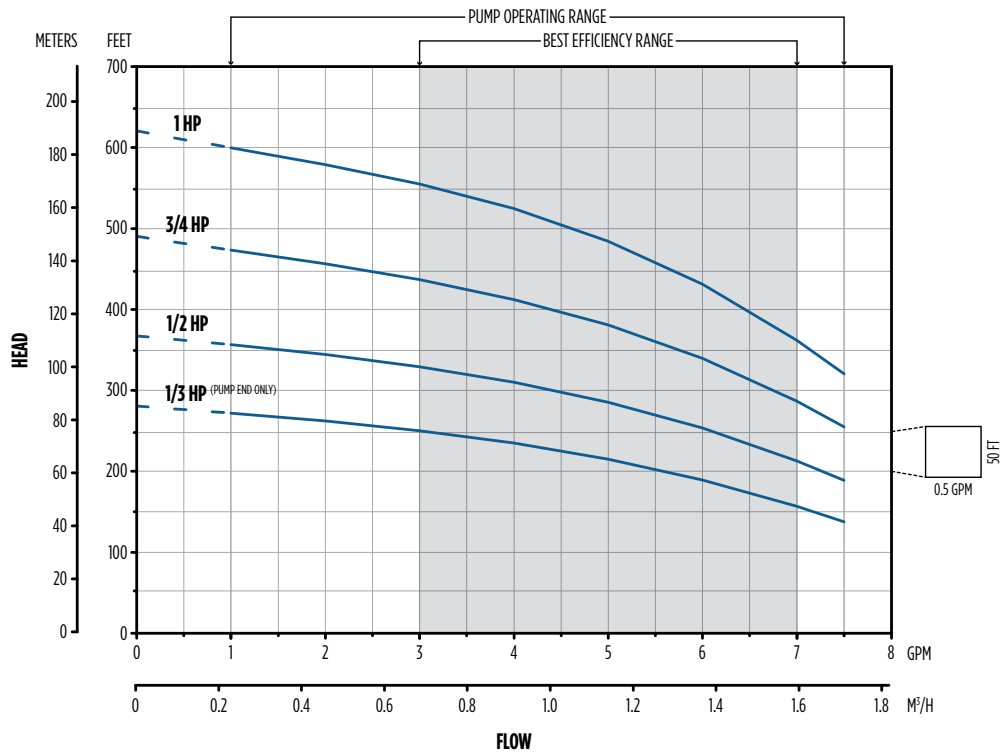
### DIMENSIONS

| GPM | HP    | Stage | A     | B     | C     | D     |
|-----|-------|-------|-------|-------|-------|-------|
| 5   | 1/3   | 7     | 8.44  | 9.63  | 13.49 | 23.12 |
|     | 1/2   | 9     | 10.09 | 10.38 | 15.14 | 25.52 |
|     | 3/4   | 12    | 12.55 | 11.00 | 17.60 | 28.60 |
|     | 1     | 15    | 15.01 | 11.88 | 20.06 | 31.94 |
| 7   | 1/3   | 6     | 7.62  | 9.63  | 12.67 | 22.30 |
|     | 1/2   | 8     | 9.26  | 10.38 | 14.31 | 24.69 |
|     | 3/4   | 10    | 10.91 | 11.00 | 15.96 | 26.96 |
|     | 1     | 14    | 14.19 | 11.88 | 19.24 | 31.12 |
|     | 1-1/2 | 19    | 18.30 | 12.63 | 23.35 | 35.98 |
| 10  | 1/3   | 5     | 7.2   | 9.63  | 12.27 | 21.90 |
|     | 1/2   | 7     | 9.02  | 10.38 | 14.07 | 24.45 |
|     | 3/4   | 8     | 9.93  | 11.00 | 14.98 | 25.98 |
|     | 1     | 11    | 12.64 | 11.88 | 17.69 | 29.57 |
|     | 1-1/2 | 15    | 16.26 | 12.63 | 21.31 | 33.94 |
|     | 2     | 18    | 18.97 | 12.63 | 24.02 | 36.65 |
| 15  | 1/2   | 5     | 7.22  | 10.38 | 12.27 | 22.65 |
|     | 3/4   | 6     | 8.12  | 11.00 | 13.17 | 24.17 |
|     | 1     | 8     | 9.93  | 11.88 | 14.98 | 26.86 |
|     | 1-1/2 | 12    | 13.54 | 12.63 | 18.59 | 31.22 |
|     | 2     | 15    | 16.26 | 12.63 | 21.31 | 33.94 |
| 20  | 1/2   | 4     | 7.59  | 10.38 | 12.64 | 23.02 |
|     | 3/4   | 5     | 8.82  | 11.00 | 13.87 | 24.87 |
|     | 1     | 7     | 11.26 | 11.88 | 16.31 | 28.19 |
|     | 1-1/2 | 10    | 14.94 | 12.63 | 19.99 | 32.62 |
|     | 2     | 12    | 17.38 | 12.63 | 22.43 | 35.06 |
|     | 3     | 15    | 21.06 | 13.18 | 26.11 | 39.29 |
| 25  | 3/4   | 4     | 7.59  | 11.00 | 12.64 | 23.64 |
|     | 1     | 6     | 10.04 | 11.88 | 15.09 | 26.97 |
|     | 1-1/2 | 8     | 12.49 | 12.63 | 17.54 | 30.17 |
|     | 2     | 10    | 14.94 | 12.63 | 19.99 | 32.62 |
|     | 3     | 13    | 18.61 | 13.18 | 23.66 | 36.84 |

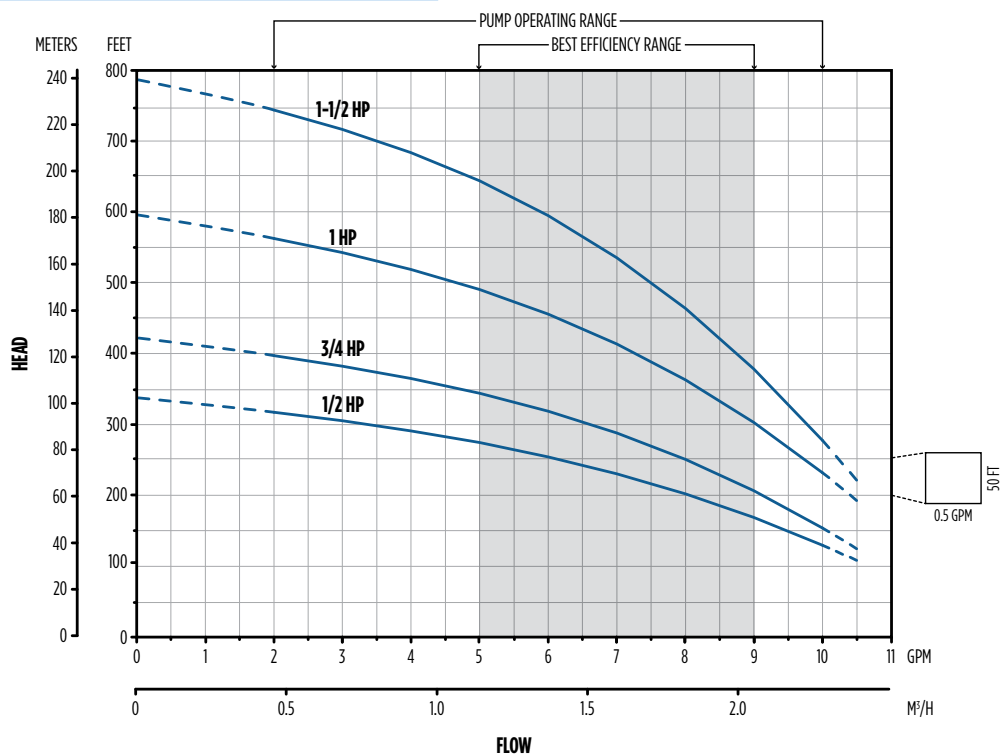


## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

PERFORMANCE: 5 GPM

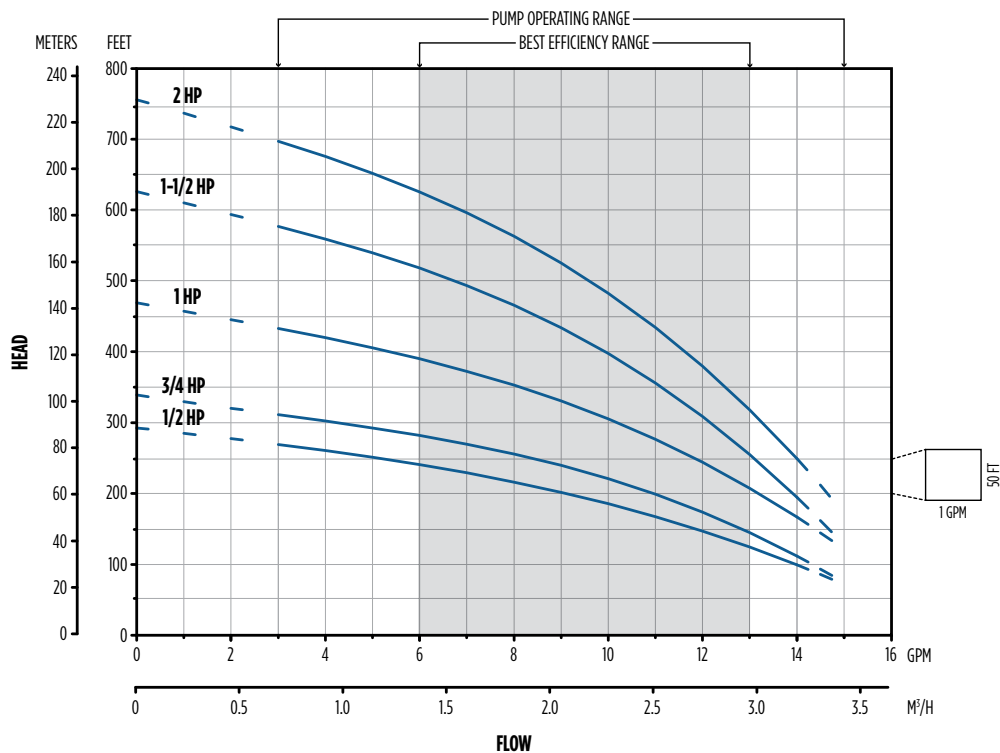


PERFORMANCE: 7 GPM

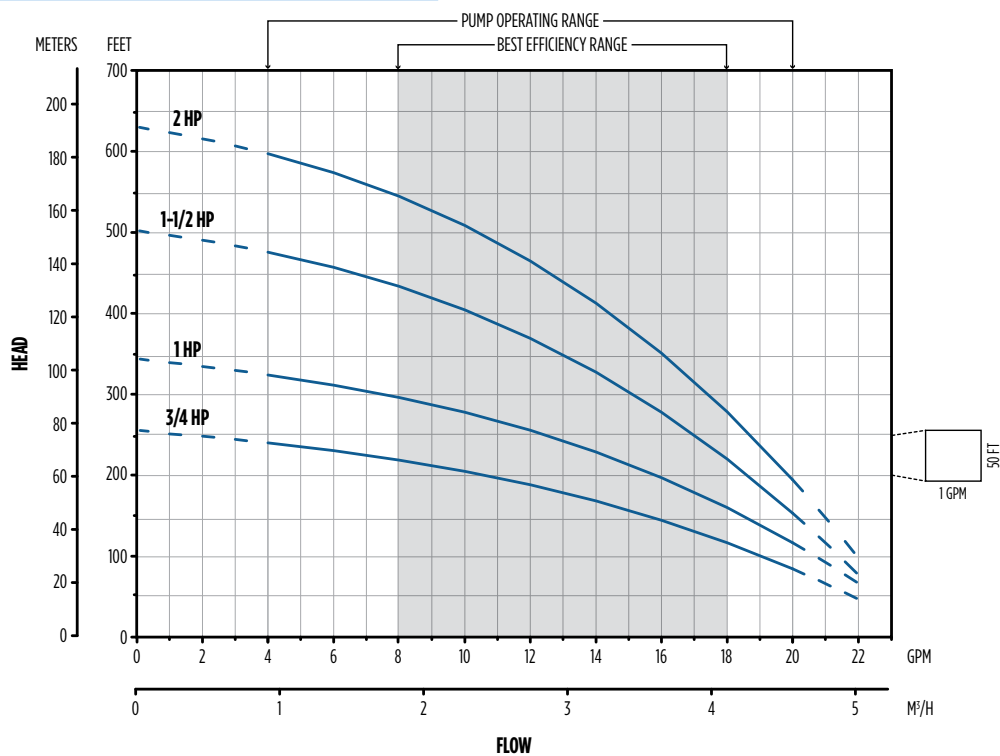


## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

### PERFORMANCE: 10 GPM



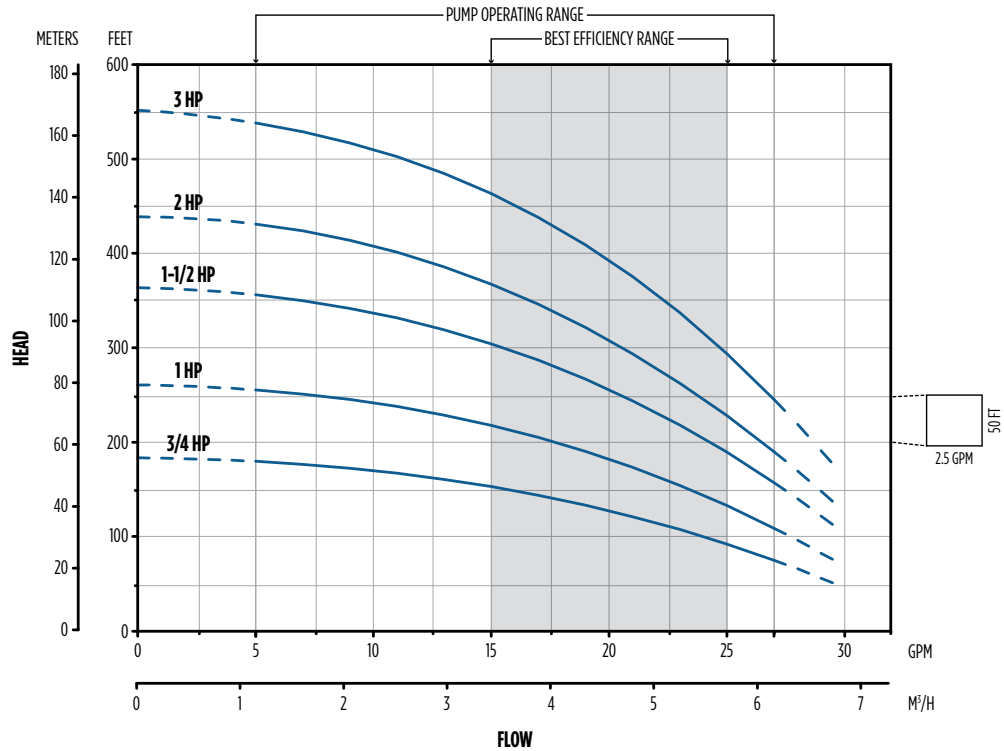
### PERFORMANCE: 15 GPM



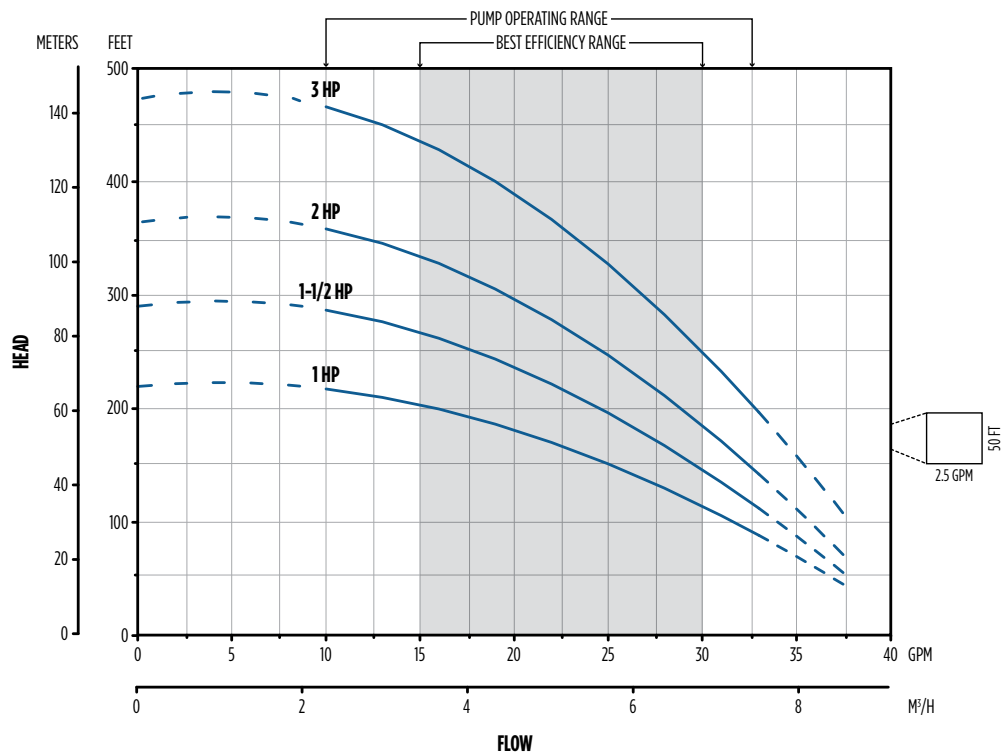


## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES

PERFORMANCE: 20 GPM



PERFORMANCE: 25 GPM



## HIGH PERFORMANCE BOOSTER PUMPS - BT4 SERIES 56C PUMP ENDS FOR 56C KEYED SHAFT MOTORS

### FEATURES

- Stainless steel bracket with a rugged support foot for horizontal or vertical mounting, plus built-in handle
- Built with Franklin's patented (U.S. patent) 7,290,984 Tri-Seal floating stage system, providing maximum efficiency, longevity, and performance
- Acetal impellers, Modified PPO diffusers, and 300-series stainless steel hub, eye seals, shaft, shell and discharge connection
- Mechanical seal with carbon/ceramic faces, FKM elastomer, and stainless steel components
- Maximum fluid temperature of up to 120F/40C; 150 psi maximum working pressure
- 1" NPT inlet and outlet connections, all models



### ORDERING INFORMATION

| GPM | HP    | Model       | Order No. | Wt. (lbs) |
|-----|-------|-------------|-----------|-----------|
| 5   | 1/3   | 5BT03S4-PE  | 95920507  | 18        |
|     | 1/2   | 5BT05S4-PE  | 95920509  | 19        |
|     | 3/4   | 5BT07S4-PE  | 95920512  | 20        |
|     | 1     | 5BT1S4-PE   | 95920515  | 21        |
| 7   | 1/2   | 7BT05S4-PE  | 95920708  | 18        |
|     | 3/4   | 7BT07S4-PE  | 95920710  | 19        |
|     | 1     | 7BT1S4-PE   | 95920714  | 20        |
|     | 1-1/2 | 7BT15S4-PE  | 95920719  | 24        |
| 10  | 1/2   | 10BT05S4-PE | 95921007  | 18        |
|     | 3/4   | 10BT07S4-PE | 95921008  | 19        |
|     | 1     | 10BT1S4-PE  | 95921011  | 20        |
|     | 1-1/2 | 10BT15S4-PE | 95921015  | 23        |
| 15  | 2     | 10BT2S4-PE  | 95921018  | 24        |
|     | 1/2   | 15BT05S4-PE | 95921505  | 17        |
|     | 3/4   | 15BT07S4-PE | 95921506  | 18        |
|     | 1     | 15BT1S4-PE  | 95921508  | 19        |
| 20  | 1-1/2 | 15BT15S4-PE | 95921512  | 20        |
|     | 2     | 15BT2S4-PE  | 95921515  | 23        |
|     | 1/2   | 20BT05S4-PE | 95922004  | 17        |
|     | 3/4   | 20BT07S4-PE | 95922005  | 18        |
| 25  | 1     | 20BT1S4-PE  | 95922007  | 19        |
|     | 1-1/2 | 20BT15S4-PE | 95922010  | 20        |
|     | 2     | 20BT2S4-PE  | 95922012  | 23        |
|     | 3     | 20BT3S4-PE  | 95922015  | 24        |
| 25  | 1     | 25BT1S4-PE  | 95922506  | 18        |
|     | 1-1/2 | 25BT15S4-PE | 95922508  | 19        |
|     | 2     | 25BT2S4-PE  | 95922510  | 20        |
|     | 3     | 25BT3S4-PE  | 95922513  | 24        |

## SINGLE STAGE CENTRIFUGAL PUMPS

For times when transferring water is required, or providing a moderate pressure boost, Franklin offers a wide variety of pumps that accomplish most any task. Whether circulating water or other liquids, Franklin's centrifugal pumps have a range of horsepower in single- and three-phase configurations to complete the job. Throughout the selection, the centrifugal pumps and motors are available for indoor and outdoor use with UL approvals.

### PRODUCT FAMILY

- A Series
- DR Series

### APPLICATIONS

- Pressure Boosting
- Water Transfer
- General Purpose
- Water Features
- Fountains
- General Dewatering
- Aquariums (A Series)



A Series



DR Series

## NON-CORROSIVE TRANSFER PUMPS - A SERIES

### FEATURES

- High-tech, non-corrosive plastic construction and stainless steel for components in contact with liquid
- Motor shaft is completely insulated from any contact with pumping liquid
- Phenolic/Ceramic mechanical shaft seal with nitrile elastomers and 18-8SS components
- Standard 2" union connections (ordered separately) ensure easy service and optimum water flow
- Three-way volute discharge port rotates at 90° increments without removing motor
- Lightweight design



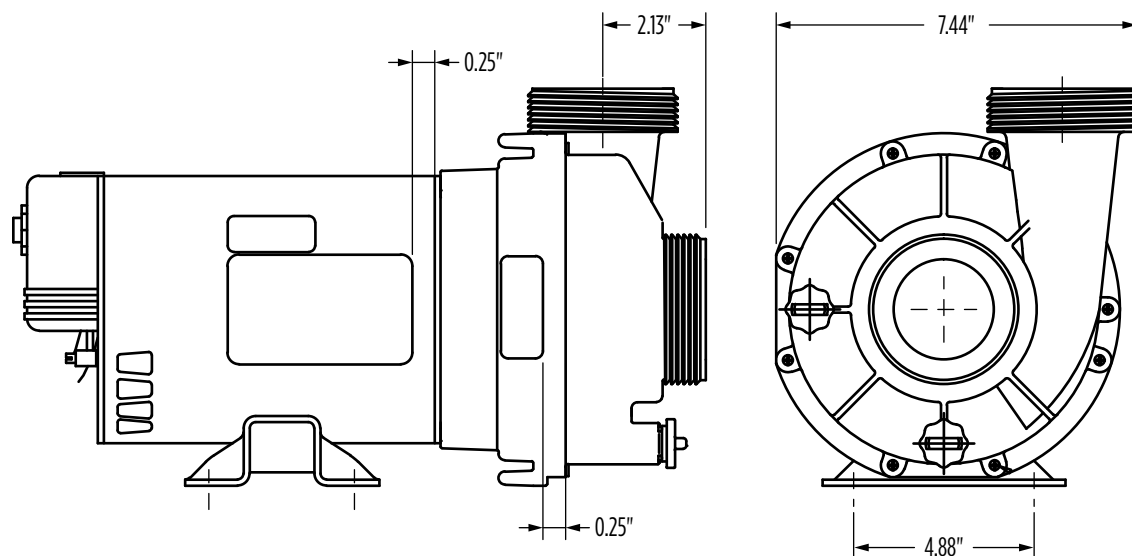
### ORDERING INFORMATION

| Model                                                                | HP | Dis. x Suc. (MBPT) | Voltage | S.F.A. | Order No. | Wt. (lbs) |
|----------------------------------------------------------------------|----|--------------------|---------|--------|-----------|-----------|
| S2A                                                                  | 2  | 2" x 2"            | 115/230 | 16/8   | 94216151  | 27        |
| S3A                                                                  | 3  |                    | 230     | 10     | 94216191  | 29        |
| S4A                                                                  | 4  |                    | 230     | 10     | 94216301  | 35        |
| Fittings kit contains (2) 2" slip x threaded connection union halves |    |                    |         |        | 31150109  | 2         |

NOTE: Set of union halves must be purchased separately.

### DIMENSIONS

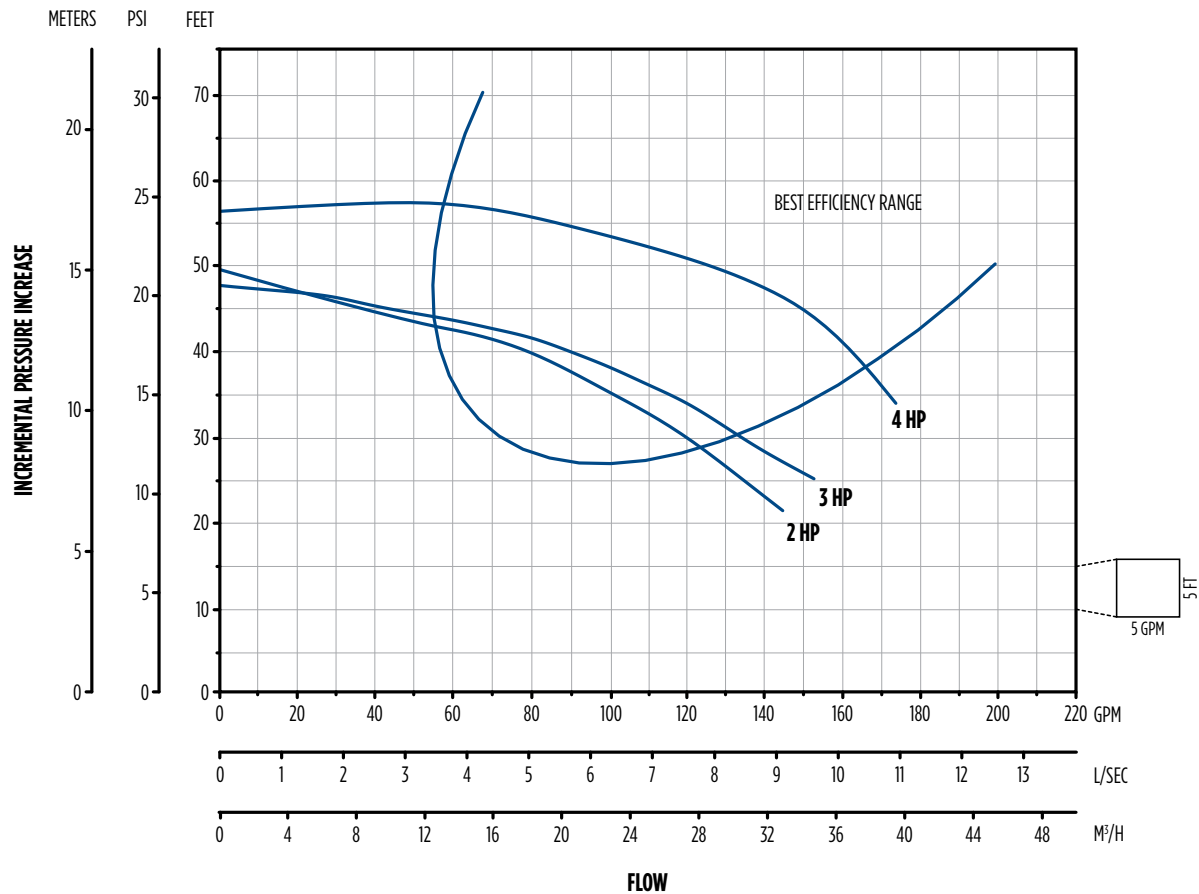
| Model | HP | A      | D     | E     |
|-------|----|--------|-------|-------|
| S2A   | 2  | 15.19" | 3.38" | 7.94" |
| S3A   | 3  | 16.44" | 3.38" | 8.06" |
| S4A   | 4  | 16.81" | 3.50" | 8.06" |





NON-CORROSIVE TRANSFER PUMPS - A SERIES

PERFORMANCE



| Model | HP | Total Head (ft)  |       |       |       |    | Shut-off Head (ft) |
|-------|----|------------------|-------|-------|-------|----|--------------------|
|       |    | 20               | 30    | 40    | 50    | 60 |                    |
|       |    | Capacities (GPM) |       |       |       |    |                    |
| S2A   | 2  | 148.0            | 119.0 | 78.0  | -     | -  | 49                 |
| S3A   | 3  | 172.0            | 132.0 | 89.0  | -     | -  | 47                 |
| S4A   | 4  | -                | 180.0 | 162.0 | 120.0 | -  | 56                 |

## CLOSE-COUPLED CENTRIFUGAL PUMPS - DR SERIES

### FEATURES

- Back pull-out design provides access to internal parts without disturbing the plumbing
- Robust cast iron volute standard; stainless steel alternate available for DR1 Series
- Volute discharge can be rotated in 90° increments; top vertical standard from the factory
- Multiple 1/4" NPT drain/pressure ports enable winterizing no matter the volute orientation
- Enclosed impeller design for increased efficiencies; thermoplastic and stainless steel options
- Mechanical seal construction
- Every pump unit factory wet tested to insure customer satisfaction
- Suitable for horizontal or vertical (motor end up) installation
- NEMA standard motor options include:
  - 48Y square flange, 1/2" threaded shaft, ODP
- Pump end kits available for 56C & 56J motor construction
- Rotation: right hand; clockwise when viewed from motor end
- Maximum fluid handling temperature 120 °F (49 °C)

### APPLICATIONS

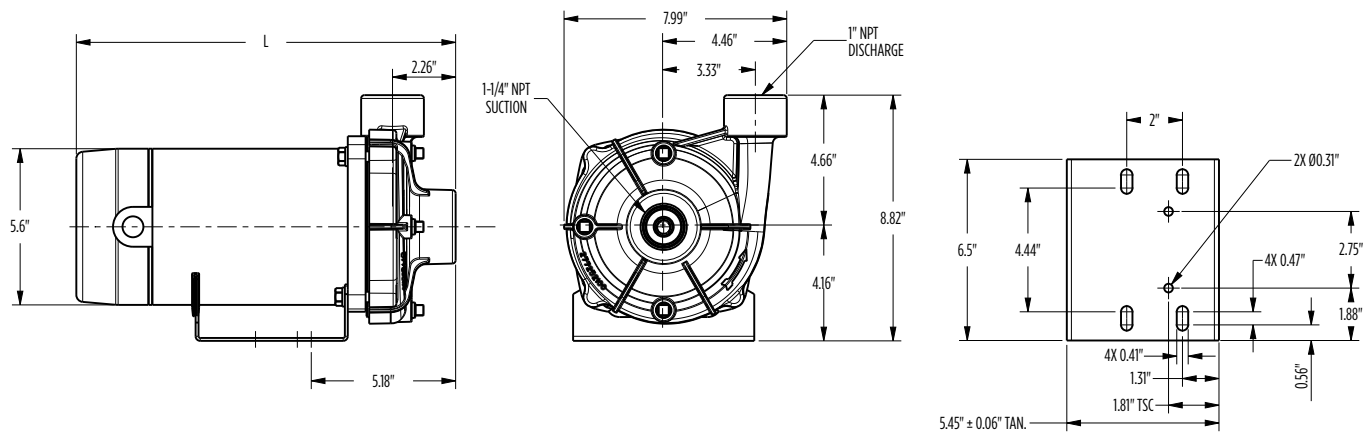
- Water circulation
- Booster service
- Liquid transfer
- Spraying systems
- Jockey pump service
- General purpose pumping

| Series | HP Range | Suction    | Discharge  |
|--------|----------|------------|------------|
| DR1    | 1/2 - 1  | 1-1/4" NPT | 1" NPT     |
| DR2    | 1 - 2    | 1-1/2" NPT | 1-1/4" NPT |



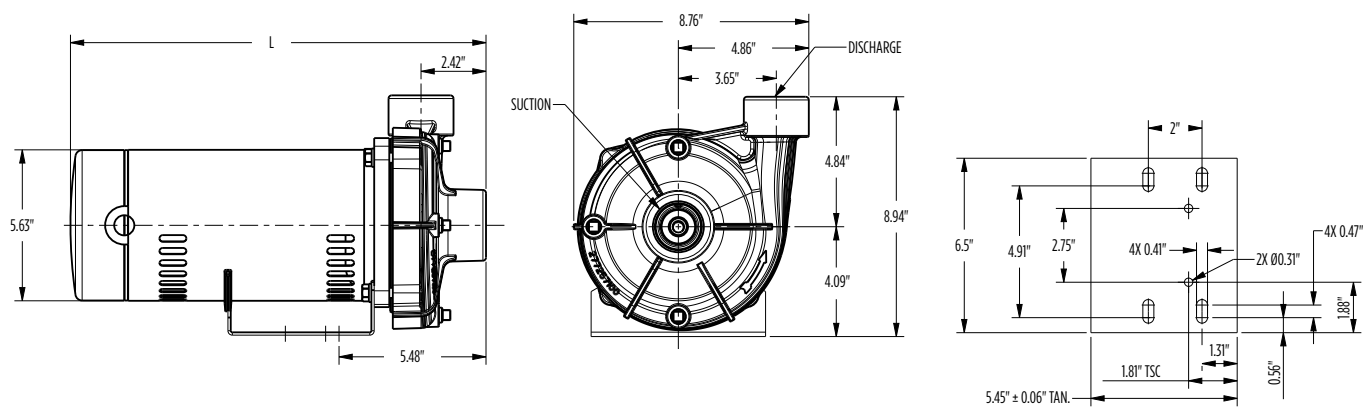
## CLOSE-COUPLED CENTRIFUGAL PUMPS - DR SERIES

### DIMENSIONS: DR1S SQUARE FLANGE



| Model  | HP  | PH | L (in) | Suction    | Discharge | Drain Ports (3) |
|--------|-----|----|--------|------------|-----------|-----------------|
| DR1S05 | 1/2 | 1  | 13.61  | 1-1/4" NPT | 1" NPT    | 1/4"            |
| DR1S07 | 3/4 |    | 14.23  |            |           |                 |
| DR1S1  | 1   |    | 15.11  |            |           |                 |
| DR1S05 | 1/2 | 3  | 13.08  |            |           |                 |
| DR1S07 | 3/4 |    | 13.73  |            |           |                 |
| DR1S1  | 1   |    | 14.08  |            |           |                 |

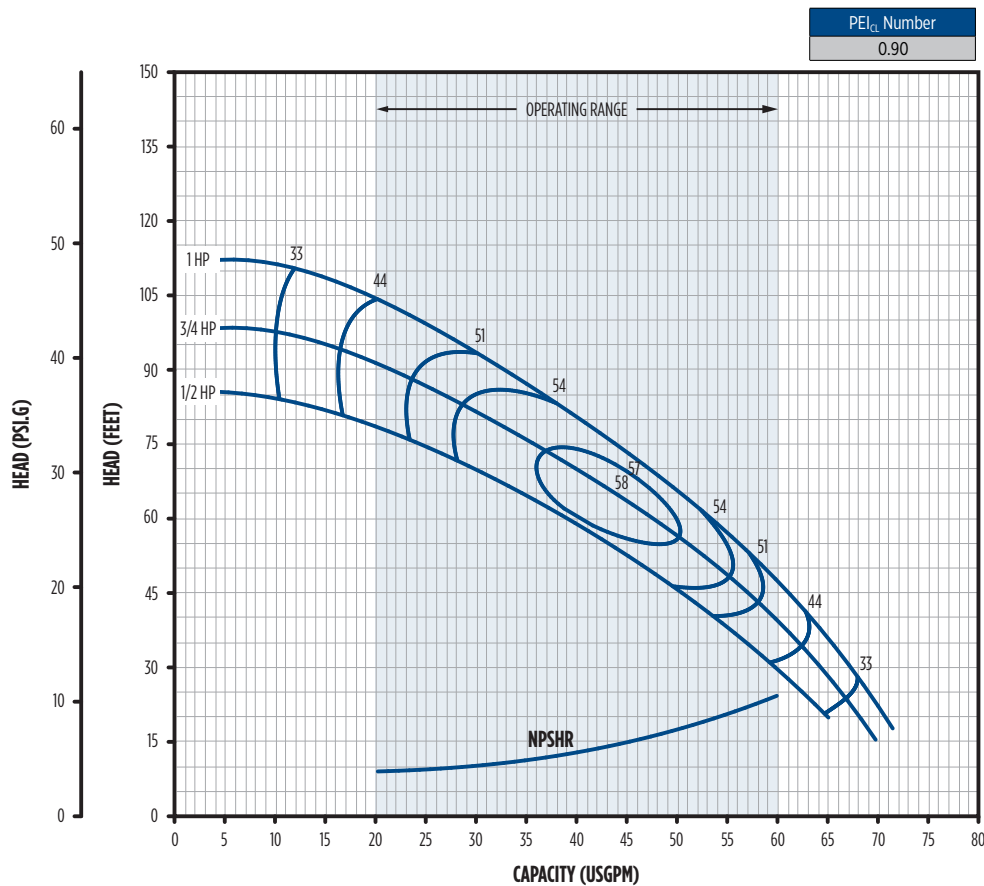
### DIMENSIONS: DR2S SQUARE FLANGE



| Model  | HP    | PH | L (in) | Suction    | Discharge  | Drain Ports (3) |
|--------|-------|----|--------|------------|------------|-----------------|
| DR2S1  | 1     | 1  | 15.48  | 1-1/2" NPT | 1-1/4" NPT | 1/4"            |
| DR2S15 | 1-1/2 |    | 16.23  |            |            |                 |
| DR2S2  | 2     |    | 17.45  |            |            |                 |
| DR2S1  | 1     | 3  | 14.45  |            |            |                 |
| DR2S15 | 1-1/2 |    | 15.45  |            |            |                 |
| DR2S2  | 2     |    | 16.20  |            |            |                 |

## CLOSE-COUPLED CENTRIFUGAL PUMPS - DR SERIES

### PERFORMANCE: DRIS-CP



| DRIS-CP   | HP  | PEI  | Volute | Impeller | Seal Type | Fluid Max °F | Capacity in GPM at Total Feet of Head Indicated |      |      |      |      |      |      |      |     |     | Max (PSI) |
|-----------|-----|------|--------|----------|-----------|--------------|-------------------------------------------------|------|------|------|------|------|------|------|-----|-----|-----------|
|           |     |      |        |          |           |              | 30                                              | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110 | 120 |           |
| DRIS05-CP | 1/2 | 0.90 | CI     | PL       | 1         | 120          | 59.3                                            | 53.3 | 46.6 | 38.9 | 29.5 | -    | -    | -    | -   | -   | 37.0      |
| DRIS07-CP | 3/4 | 0.90 | CI     | PL       | 1         | 120          | 63.9                                            | 58.9 | 53.5 | 47.5 | 40.6 | 32.3 | 20.9 | -    | -   | -   | 42.0      |
| DRIS1-CP  | 1   | 0.90 | CI     | PL       | 1         | 120          | -                                               | 63.2 | 58.4 | 53.2 | 47.4 | 40.9 | 33.3 | 23.7 | -   | -   | 48.0      |

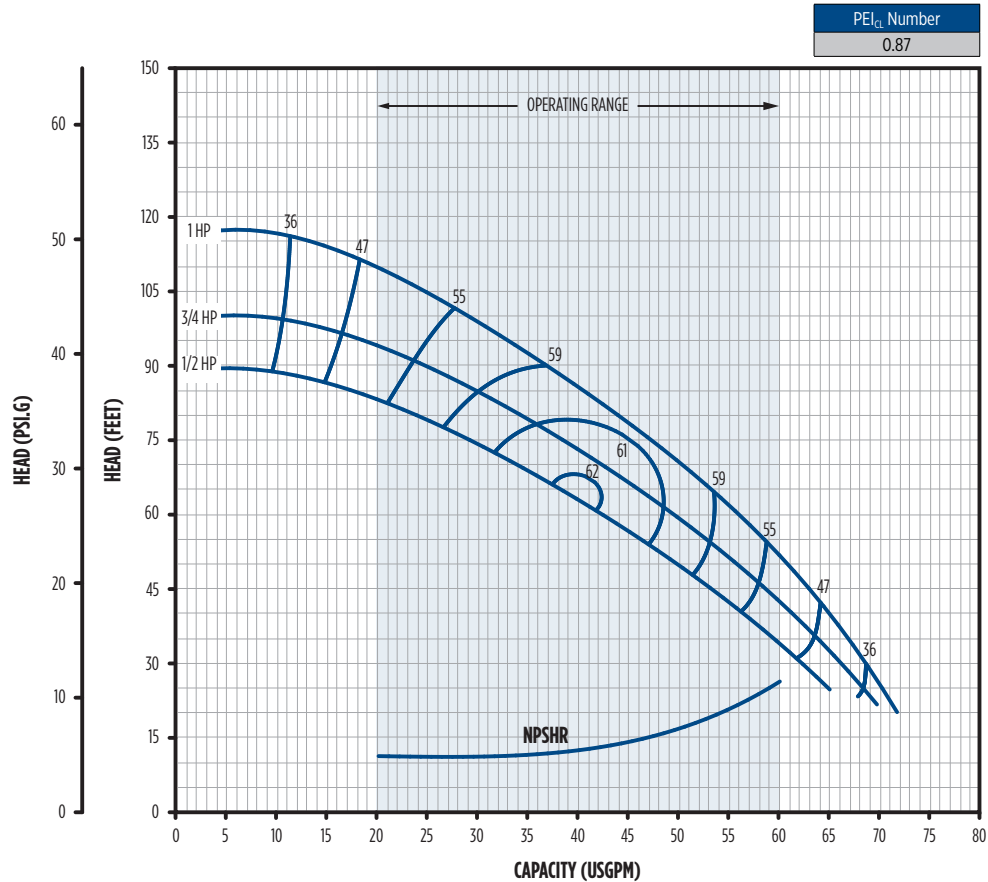
| Enclosure | RPM  | Phase | Voltage | HP  | S.F. | S.F. Amps |     |     | Imp. Dia. | Order No. | Model No.   | Wt. (lbs) |
|-----------|------|-------|---------|-----|------|-----------|-----|-----|-----------|-----------|-------------|-----------|
|           |      |       |         |     |      | 115       | 230 | 460 |           |           |             |           |
| ODP       | 3600 | 1     | 115/230 | 1/2 | 1.90 | 12.4      | 6.1 | -   | 4.70      | 97110005  | DRIS05-CP   | 36        |
|           |      |       |         | 3/4 | 1.65 | 14.8      | 7.3 | -   | 5.00      | 97110007  | DRIS07-CP   | 39        |
|           |      |       |         | 1   | 1.65 | 19.9      | 9.9 | -   | 5.36      | 97110010  | DRIS1-CP    | 43        |
|           |      | 3     | 230/460 | 1/2 | 1.90 | -         | 3.1 | 1.4 | 4.70      | 97113005  | DRIS05-CP-T | 35        |
|           |      |       |         | 3/4 | 1.65 | -         | 3.6 | 1.7 | 5.00      | 97113007  | DRIS07-CP-T | 38        |
|           |      |       |         | 1   | 1.65 | -         | 4.7 | 2.3 | 5.36      | 97113010  | DRIS1-CP-T  | 40        |

|                       |     |                                                                                    |
|-----------------------|-----|------------------------------------------------------------------------------------|
| Volute                | CI  | Cast Iron, ASTM-A48, Class 30, 1-1/4" x 1"                                         |
| Impeller              | PL  | Polyphenylene Ether Polystyrene Modified (PPE+PS 30%GF)                            |
| Mechanical Seal Types | 1   | Phenolic x Ceramic x Nitrile x SS                                                  |
| Motor Configurations  | 48Y | Square Flange with 1/2" threaded SS shaft, impeller mounts directly on motor shaft |



## CLOSE-COUPLED CENTRIFUGAL PUMPS - DR SERIES

### PERFORMANCE: DRIS-SP



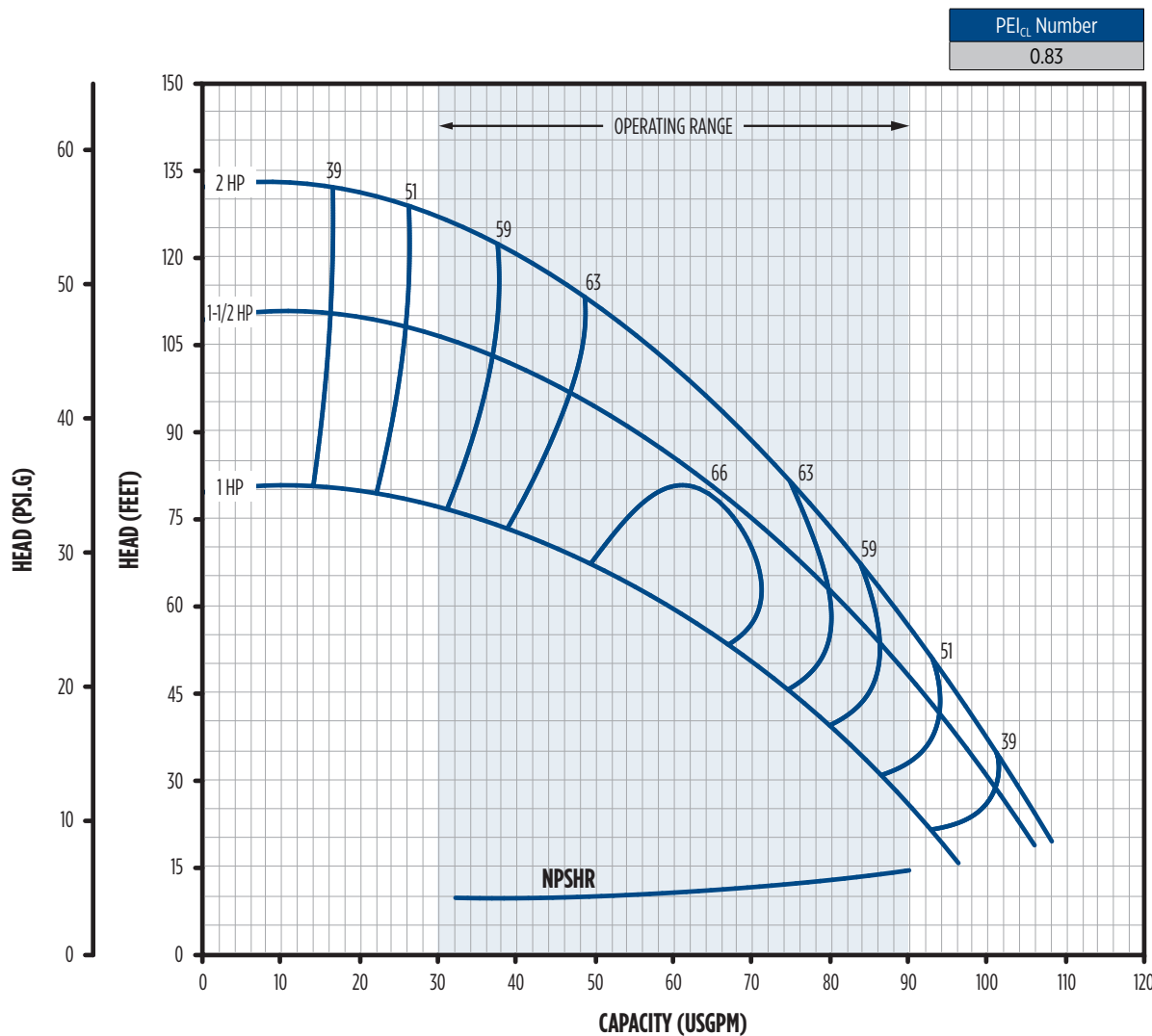
| DRIS-SP   | HP  | PEI  | Volute | Impeller | Seal Type | Fluid Max °F | Capacity in GPM at Total Feet of Head Indicated |      |      |      |      |      |      |      |     |     | Max (PSI) |
|-----------|-----|------|--------|----------|-----------|--------------|-------------------------------------------------|------|------|------|------|------|------|------|-----|-----|-----------|
|           |     |      |        |          |           |              | 30                                              | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110 | 120 |           |
| DRIS05-SP | 1/2 | 0.87 | SS     | PL       | 1         | 120          | 61.4                                            | 55.9 | 49.7 | 42.7 | 34.5 | -    | -    | -    | -   | -   | 38.4      |
| DRIS07-SP | 3/4 | 0.87 | SS     | PL       | 1         | 120          | 65.7                                            | 60.6 | 55.2 | 49.1 | 42.2 | 33.9 | 23.0 | -    | -   | -   | 42.8      |
| DRIS1-SP  | 1   | 0.87 | SS     | PL       | 1         | 120          | -                                               | 65.4 | 60.6 | 55.4 | 49.8 | 43.7 | 36.9 | 28.9 | -   | -   | 50.1      |

| Enclosure | RPM  | Phase | Voltage | HP  | S.F. | S.F. Amps |     |     | Imp. Dia. | Order No. | Model No.   | Wt. (lbs) |
|-----------|------|-------|---------|-----|------|-----------|-----|-----|-----------|-----------|-------------|-----------|
|           |      |       |         |     |      | 115       | 230 | 460 |           |           |             |           |
| ODP       | 3600 | 1     | 115/230 | 1/2 | 1.90 | 12.4      | 6.1 | -   | 4.70      | 97110105  | DRIS05-SP   | 35        |
|           |      |       |         | 3/4 | 1.65 | 14.8      | 7.3 | -   | 5.00      | 97110107  | DRIS07-SP   | 38        |
|           |      |       |         | 1   | 1.65 | 19.9      | 9.9 | -   | 5.36      | 97110110  | DRIS1-SP    | 42        |
|           |      | 3     | 230/460 | 1/2 | 1.90 | -         | 3.1 | 1.4 | 4.70      | 97113105  | DRIS05-SP-T | 34        |
|           |      |       |         | 3/4 | 1.65 | -         | 3.6 | 1.7 | 5.00      | 97113107  | DRIS07-SP-T | 37        |
|           |      |       |         | 1   | 1.65 | -         | 4.7 | 2.3 | 5.36      | 97113110  | DRIS1-SP-T  | 39        |

|                       |     |                                                                                    |
|-----------------------|-----|------------------------------------------------------------------------------------|
| Volute                | SS  | Stainless steel, 1-1/4" x 1"                                                       |
| Impeller              | PL  | Polyphenylene Ether Polystyrene Modified (PPE+PS 30%GF)                            |
| Mechanical Seal Types | 1   | Phenolic x Ceramic x Nitrile x SS                                                  |
| Motor Configurations  | 48Y | Square Flange with 1/2" threaded SS shaft, impeller mounts directly on motor shaft |

## CLOSE-COUPLED CENTRIFUGAL PUMPS - DR SERIES

### PERFORMANCE: DR2S-CS



| DR2S-CS   | HP    | PEI  | Volute | Impeller | Seal Type | Fluid Max °F | Capacity in GPM at Total Feet of Head Indicated |      |      |      |      |      |      |      |      |      | Max (PSI) |
|-----------|-------|------|--------|----------|-----------|--------------|-------------------------------------------------|------|------|------|------|------|------|------|------|------|-----------|
|           |       |      |        |          |           |              | 30                                              | 40   | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  |           |
| DR2S1-CS  | 1     | 0.83 | CI     | SS       | 1         | 120          | 86.6                                            | 78.7 | 69.8 | 59.2 | 45.4 | -    | -    | -    | -    | -    | 34.5      |
| DR2S15-CS | 1-1/2 | 0.83 | CI     | SS       | 1         | 120          | -                                               | 94.3 | 88.1 | 81.4 | 73.9 | 65.5 | 55.4 | 42.4 | -    | -    | 47.4      |
| DR2S2-CS  | 2     | 0.83 | CI     | SS       | 1         | 120          | -                                               | -    | 93.3 | 87.8 | 82.0 | 75.7 | 68.8 | 61.0 | 51.9 | 40.5 | 57.3      |

| Enclosure | RPM  | Phase | Voltage | HP    | S.F. | S.F. Amps |      |     | Imp. Dia. | Order No. | Model No.   | Wt. (lbs) |
|-----------|------|-------|---------|-------|------|-----------|------|-----|-----------|-----------|-------------|-----------|
|           |      |       |         |       |      | 115       | 230  | 460 |           |           |             |           |
| ODP       | 3600 | 1     | 115/230 | 1     | 1.65 | 19.9      | 9.9  | -   | 4.56      | 97130210  | DR2S1-CS    | 46        |
|           |      |       |         | 1-1/2 | 1.47 | 24.0      | 12.1 | -   | 5.25      | 97130215  | DR2S15-CS   | 46        |
|           |      |       |         | 2     | 1.30 | -         | 11.2 | -   | 5.75      | 97130220  | DR2S2-CS    | 54        |
|           |      | 3     | 230/460 | 1     | 1.65 | -         | 4.7  | 2.3 | 4.56      | 97133210  | DR2S1-CS-T  | 43        |
|           |      |       |         | 1-1/2 | 1.47 | -         | 6.8  | 3.3 | 5.25      | 97133215  | DR2S15-CS-T | 47        |
|           |      |       |         | 2     | 1.30 | -         | 8.5  | 4.2 | 5.75      | 97133220  | DR2S2-CS-T  | 49        |

|                       |     |                                                                                    |
|-----------------------|-----|------------------------------------------------------------------------------------|
| Volute                | CI  | Cast Iron, ASTM-A48, Class 30, 1-1/2" x 1-1/4"                                     |
| Impeller              | SS  | Stainless Steel                                                                    |
| Mechanical Seal Types | 1   | Phenolic x Ceramic x Nitrile x SS                                                  |
| Motor Configurations  | 48Y | Square Flange with 1/2" threaded SS shaft, impeller mounts directly on motor shaft |

## INLINE CONTROLS

Franklin Electric's Inline Controls include five pump starting and control devices that pair with a variety of submersible or surface pump up to 20 amps (or approximately 3 hp) to provide or boost the system's overall water pressure – and in many cases, without the need of an additional bladder tank. Depending on application requirements and selected model, the product family offers various forms of system protection, including dry run, dead head pumping, over amperage, locked system, and over pressurization. They also offer two unique features that ensure the system remains functional and hassle free, including: a daily motor rotation start designed to energize the motor at least once every 24 hours to prevent system locking, and a unique automatic restart feature eliminating the need to manually restart the pump in the case of an unexpected trip or fault.

### FEATURES BY MODEL



FLW



SWC



SWP



ADJ



CTL



| Model Description | Flow Based Pump Activation | Run Dry Protection | Low-Pressure Backup Activation | Replaces Pressure Switch and Tank | Suction Lift | Includes Pressure Gauge | Adjustable Low-Pressure Backup Activation | Max. Pressure Regulation |
|-------------------|----------------------------|--------------------|--------------------------------|-----------------------------------|--------------|-------------------------|-------------------------------------------|--------------------------|
| Inline FLW        | ✓                          | ✓                  |                                | ✓                                 |              |                         |                                           |                          |
| InlineSWC         | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            |                         |                                           |                          |
| InlineSWP         | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            |                         |                                           |                          |
| InlineADJ 115 V   | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            | ✓                       | ✓                                         |                          |
| InlineADJ 230 V   | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            | ✓                       | ✓                                         |                          |
| InlineCTL         | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            | ✓                       |                                           | ✓                        |

**NOTE:** Proper pump selection is essential for use with the Inline FLW, SWC, SWP, and ADJ as pump shut-off pressure will be realized within the system prior to shut down. If the pump size can not be reduced, select the Inline CTL with built-in pressure reducing valve.

### TECHNICAL SPECIFICATIONS

| Model Description | Motor Size    |               | Voltage | Max. Current | Max. Temp. | Min. Flow (GPM) | Thread Size |
|-------------------|---------------|---------------|---------|--------------|------------|-----------------|-------------|
| InlineFLW         | up to 1.5 hp  | up to 1.1 kW  | 115/230 | 15 A         | 150 °F     | 0.15            | 1" MNPT     |
| InlineSWC         | up to 2 hp    | up to 1.5 kW  | 115/230 | 16 A         | 150 °F     | 0.25            | 1" MNPT     |
| InlineSWP         | up to 3 hp    | up to 2.2 kW  | 115/230 | 20 A         | 150 °F     | 0.25            | 1 ¼" MNPT   |
| InlineADJ 115 V   | up to 0.75 hp | up to 0.55 kW | 115     | 16 A         | 150 °F     | 0.25            | 1" MNPT     |
| InlineADJ 230 V   | up to 2 hp    | up to 1.5 kW  | 230     | 16 A         | 150 °F     | 0.25            | 1" MNPT     |
| InlineCTL         | up to 3 hp    | up to 2.2 kW  | 115/230 | 20 A         | 150 °F     | 0.25            | 1 ¼" MNPT   |

## INLINE CONTROLS - FLW

Use with a pressurized water supply such as an elevated tank or a municipal/utility source. The Inline Control FLW is a smart flow activated pump start control, designed for use in conjunction with a pump where starting and stopping the system based on water usage is desired.

### FEATURES

- With flow of 0.15 gpm or greater the pump is activated to ensure continuous operation during water demand cycles
- Can be wired for 115V or 230V with no internal settings or wiring changes required
- Protects pump from conditions of dry run and pumping against a closed discharge (dead-head) by powering off the system when water flow stops
- If the pump remains idle for 24 consecutive hours, the device will carry out an autorun feature to keep the system free of debris and clogs
- Replaces the need for an external pressure tank and differential pressure switch

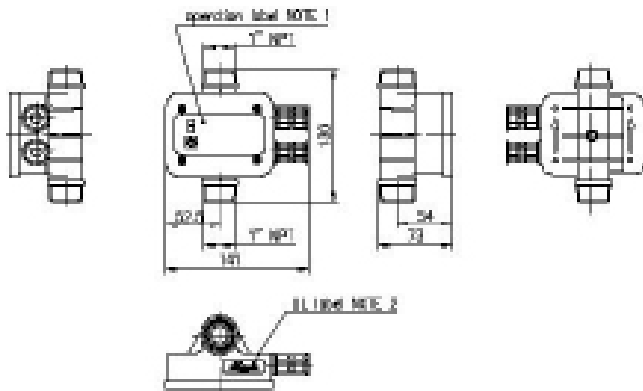


| Model Description | Flow Based Pump Activation | Run Dry Protection | Low-Pressure Backup Activation | Replaces Pressure Switch and Tank | Suction Lift | Includes Pressure Gauge | Adjustable Low-Pressure Backup Activation | Max. Pressure Regulation |
|-------------------|----------------------------|--------------------|--------------------------------|-----------------------------------|--------------|-------------------------|-------------------------------------------|--------------------------|
| Inline FLW        | ✓                          | ✓                  |                                | ✓                                 |              |                         |                                           |                          |

*NOTE: Proper pump selection is essential for use with the Inline FLW as pump shut-off pressure will be realized within the system prior to shut down. If the pump size cannot be reduced to a lower output performance within the systems pressure limits, select the Inline CTL with built-in pressure reducing valve.*

### ORDERING INFORMATION

| Model Description | Order No. | Model No. | Motor Size                   | Voltage | Max. Current | Max. Temp. | Thread Size |
|-------------------|-----------|-----------|------------------------------|---------|--------------|------------|-------------|
| InlineFLW         | 91987102  | FIL-FLW15 | 0.75-1.5 hp<br>(0.55-1.1 kW) | 115/230 | 15 A         | 150 °F     | 1" MNPT     |



## INLINE CONTROLS - SWC & SWP

Use with a pressurized water supply or suction lift installation for municipal and well supply sources. The Inline Control SWC and SWP are flow activated smart pump start controls, designed for use in conjunction with a pump where starting and stopping the system based on water usage is desired.

### FEATURES

- With flow of 0.25 gpm or greater the pump is activated to ensure continuous operation during water demand cycles
- When flow is less than 0.25 gpm, the pump starts at a minimum pressure of 22 psi
- If the pump starts due to low system pressure, with no additional demand, the Inline SWC and SWP will only run the system to rebuild pressure
- Can be wired for 115V or 230V with no internal settings or wiring changes required
- Includes a convenient built-in check valve
- Protects pump from conditions of dry run, overcurrent, and pumping against a closed discharge (dead-head) by powering off the system when water flow stops
- If the pump remains idle for 24 consecutive hours, the device will carry out an autorun feature to keep the system free of debris and clogs
- The system will auto-rest up to 10 times in a 24 hour period if no water is detected, to protect the pump
- Replaces the need for an external pressure tank and differential pressure switch



SWC



SWP

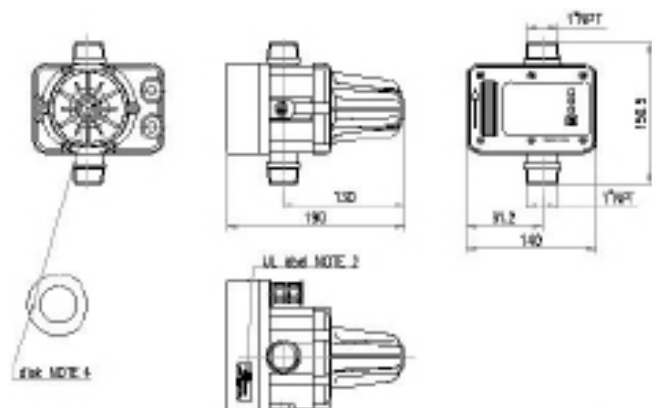
| Model Description | Flow Based Pump Activation | Run Dry Protection | Low Pressure Backup Activation | Replaces Pressure Switch and Tank | Suction Lift | Includes Pressure Gauge | Adjustable Low-Pressure Backup Activation | Max. Pressure Regulation |
|-------------------|----------------------------|--------------------|--------------------------------|-----------------------------------|--------------|-------------------------|-------------------------------------------|--------------------------|
| InlineSWC         | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            |                         |                                           |                          |
| InlineSWP         | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            |                         |                                           |                          |

*NOTE: Proper pump selection is essential for use with the Inline SWC and SWP as pump shut-off pressure will be realized within the system prior to stopping the pump. If the pump size cannot be reduced to a lower output performance within the systems pressure limits, select the Inline CTL with built-in pressure reducing valve.*

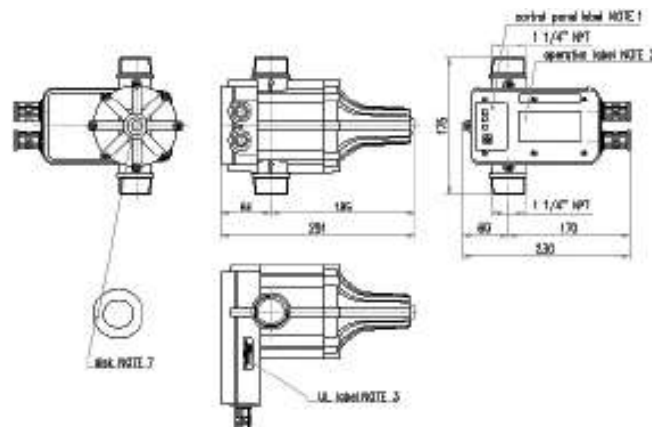
### ORDERING INFORMATION

| Model Description | Order No. | Model No. | Motor Size                 | Voltage | Max. Current | Max. Temp. | Thread Size |
|-------------------|-----------|-----------|----------------------------|---------|--------------|------------|-------------|
| InlineSWC         | 91987103  | FIL-SWC16 | 0.75-2 hp<br>(0.55-1.5 kW) | 115/230 | 16 A         | 150 °F     | 1" MNPT     |
| InlineSWP         | 91987104  | FIL-SWP20 | 1-3 hp<br>(0.75-2.2 kW)    | 115/230 | 20 A         | 150 °F     | 1 1/4" MNPT |

FIL-SWC16



FIL-SWP20



## INLINE CONTROLS - ADJ

Use with a pressurized water supply or suction lift installation for municipal and well supply sources. The Inline Control ADJ is a smart flow activated pump start control, designed for use in conjunction with a pump where starting and stopping the system based on water usage is desired. With water flow being the primary system start command, the unit provides a backup low pressure cut-in point where the pump will start to repressurize the system. The InlineADJ allows this low pressure cut to be adjusted to 22, 29, or 36 PSI to ensure the system will still reach the desired shut-off pressure.

## FEATURES

- With flow of 0.25 gpm or greater the pump is activated to ensure continuous operation during water demand cycles
- When flow is less than 0.25 gpm, the user may select between three adjustable cut-in points for a minimum system pressure of 22, 29, or 36 psi
- If the pump starts due to low system pressure, with no additional demand, the Inline ADJ will only run the system to rebuild pressure
- Separate models for 115V or 230V with no internal settings or wiring changes required
- Includes a convenient built-in check valve
- Protects pump from conditions of dry run, overcurrent, and pumping against a closed discharge (dead-head) by powering off the system when water flow stops
- If the pump remains idle for 24 consecutive hours, the device will carry out an autorun feature to keep the system free of debris and clogs.
- The system will auto-rest up to 10 times in a 24 hour period if no water is detected, to protect the pump
- Replaces the need for an external pressure tank and differential pressure switch



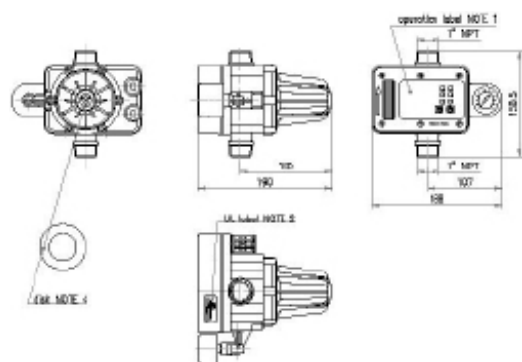
| Model Description | Flow Based Pump Activation | Run Dry Protection | Low-Pressure Backup Activation | Replaces Pressure Switch and Tank | Suction Lift | Includes Pressure Gauge | Adjustable Low-Pressure Backup Activation | Max. Pressure Regulation |
|-------------------|----------------------------|--------------------|--------------------------------|-----------------------------------|--------------|-------------------------|-------------------------------------------|--------------------------|
| InlineADJ 115 V   | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            | ✓                       | ✓                                         |                          |
| InlineADJ 230 V   | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            | ✓                       | ✓                                         |                          |

NOTE: Proper pump selection is essential for use with the Inline ADJ as pump shut-off pressure will be realized within the system prior to shut down. If the pump size cannot be reduced to a lower output performance within the systems pressure limits, select the Inline CTJ with built-in pressure reducing valve.

## ORDERING INFORMATION

| Model Description | Order No. | Model No.    | Motor Size |           | Voltage | Max. Current | Max. Temp. | Thread Size |
|-------------------|-----------|--------------|------------|-----------|---------|--------------|------------|-------------|
| InlineADJ 115 V   | 91987105  | FIL-ADJ16-1G | 0.75 hp    | (0.55 kW) | 115     | 16 A         | 150 °F     | 1" MNPT     |
| InlineADJ 230 V   | 91987106  | FIL-ADJ16-2G | 2hp        | (1.5 kW)  | 230     | 16 A         | 150 °F     | 1" MNPT     |

FIL-ADJ16-1G and FIL-ADJ16-2G



## INLINE CONTROLS - CTL

Use with a pressurized water supply or suction lift installation for municipal and well supply sources. The Inline Control CTL is a smart flow activated pump start control, designed for use in conjunction with a pump where starting and stopping the system based on water usage is desired. By turning the dial on the back of the unit the maximum system pressure may be regulated within the pump's output range to match the application's need.

### FEATURES

- With flow of 0.25 gpm or greater the pump is activated to ensure continuous operation during water demand cycles
- Built-in pressure reducing valve to allow for customization of maximum output pressure
- Can be wired for 115V or 230V with no internal settings or wiring changes required
- If the pump starts due to low system pressure, with no additional demand, the Inline SWC and SWP will only run the system to rebuild pressure
- Protects pump from conditions of dry run, over pressure, and pumping against a closed discharge (dead-head) by powering off the system when water flow stops
- If the pump remains idle for 24 consecutive hours, the device will carry out an autorun feature to keep the system free of debris and clogs
- Replaces the need for an external pressure tank and differential pressure switch
- Includes a convenient built-in check valve
- Adjust knob to set the pump's maximum output pressure at a desired regulation point to prevent system over-pressurization

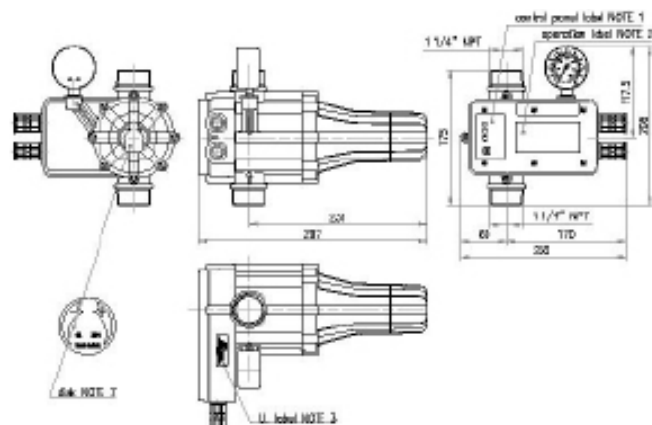


| Model Description | Flow Based Pump Activation | Run Dry Protection | Low-Pressure Backup Activation | Replaces Pressure Switch and Tank | Suction Lift | Includes Pressure Gauge | Adjustable Low-Pressure Backup Activation | Max. Pressure Regulation |
|-------------------|----------------------------|--------------------|--------------------------------|-----------------------------------|--------------|-------------------------|-------------------------------------------|--------------------------|
| InlineCTL         | ✓                          | ✓                  | ✓                              | ✓                                 | ✓            | ✓                       |                                           | ✓                        |

### ORDERING INFORMATION

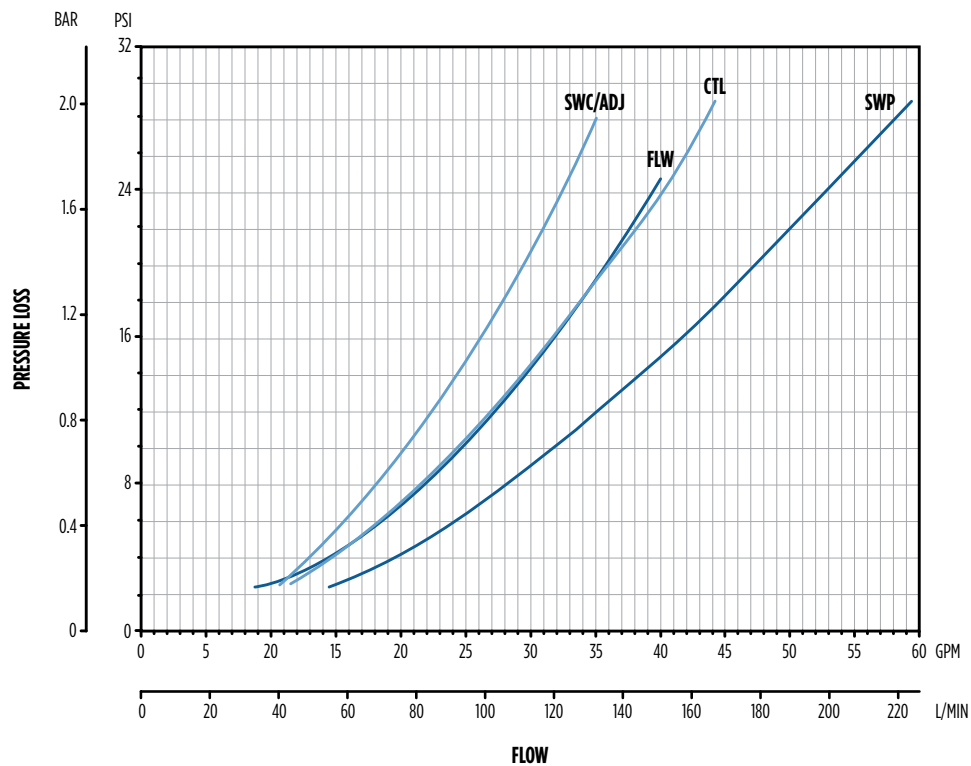
| Model Description | Order No. | Model No. | Motor Size              | Voltage | Max. Current | Max. Temp. | Thread Size |
|-------------------|-----------|-----------|-------------------------|---------|--------------|------------|-------------|
| InlineCTL         | 91987107  | FIL-CTL20 | 1-3 hp<br>(0.75-2.2 kW) | 115/230 | 20 A         | 150 °F     | 1 1/4" MNPT |

#### FIL-CTL20



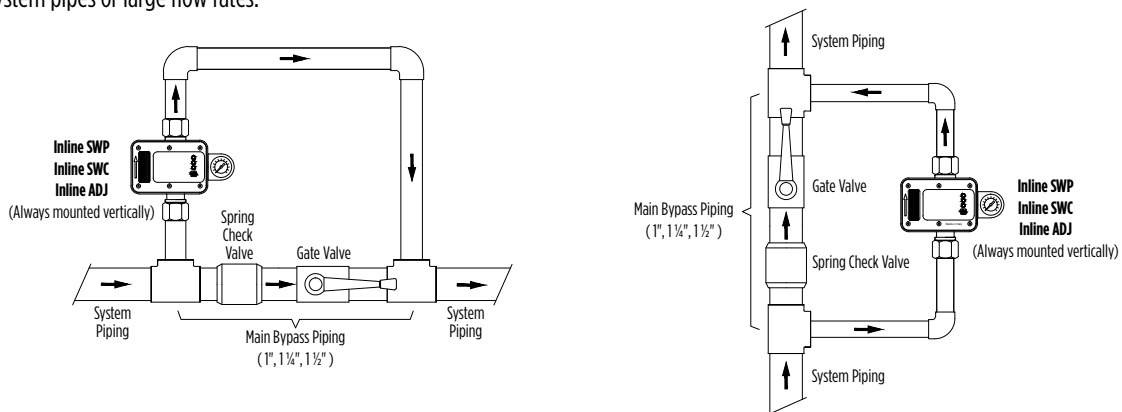
## INLINE CONTROLS

### FRICTION LOSS



### OPTIONAL BYPASS INSTALLATION

For large system pipes or large flow rates.



### FRICTION LOSS w/ OPTIONAL BYPASS

| Device      | Flow Rate (gpm) |       |       |        |        |        |        |
|-------------|-----------------|-------|-------|--------|--------|--------|--------|
|             | 20              | 30    | 40    | 50     | 60     | 70     | 80     |
| 1" x 1"     | 3 psi           | 5 psi | 9 psi | 14 psi | 19 psi | -      | -      |
| 1" x 1 1/4" | 2 psi           | 2 psi | 3 psi | 5 psi  | 8 psi  | 10 psi | 12 psi |
| 1" x 1 1/2" | 2 psi           | 2 psi | 3 psi | 4 psi  | 6 psi  | 7 psi  | 8 psi  |

The main bypass piping must not exceed 1 1/2", while the system piping could be larger.

## INLINE PRESSURE BOOSTING - INLINE 400

### FEATURES

- Utilizes proven Franklin Electric pump and motor to create the most trustworthy product on the market
- Simple flow-based controls mean you get the pressure every time you need it
- Protective cap comes standard for outdoor use (for vertical applications only)
- Whisper-quiet operation
- Installs vertically or horizontally
- 1 - 1/4" NPT inlet and outlet
- 115 V and 230 V models available
- Plug-in electrical cord connected unit
- Protective features: Over/Under voltage protection, dry run, and over temperature
- Product power rating: 1/3 hp, 0.246 kW
- Maximum Water Temperature: 120 °F/49 °C

### APPLICATIONS

- City water pressure boosting
- Pressurize water from cistern tank
- Re-pressurizing after filtration
- Irrigation system boosting

### ORDERING INFORMATION

| Model Description | Order No. | HP  | Input Voltage |
|-------------------|-----------|-----|---------------|
| Inline 400 115 V  | 92061501  | 1/3 | 115 V         |
| Inline 400 230 V  | 92061502  | 1/3 | 230 V         |

### REPLACEMENT PARTS & KITS

| Model Description                           | Order No. |
|---------------------------------------------|-----------|
| Tank Wrench                                 | 305572001 |
| Pressure Switch                             | 305572007 |
| Replacement Tank                            | 305572009 |
| Replacement Cover                           | 305572010 |
| Replacement Base                            | 305572011 |
| Motor Capacitor - 115 V                     | 305572012 |
| Motor Capacitor - 230 V                     | 305572013 |
| Power Cord - 115 V                          | 305572014 |
| Power Cord - 230 V                          | 305572015 |
| Flow Piston Kit                             | 305572016 |
| Tank O-ring                                 | 305572017 |
| Outdoor Protective Cap Kit                  | 305572018 |
| Expansion Tank, 2 Liter, 1" MNPT Connection | 305572026 |



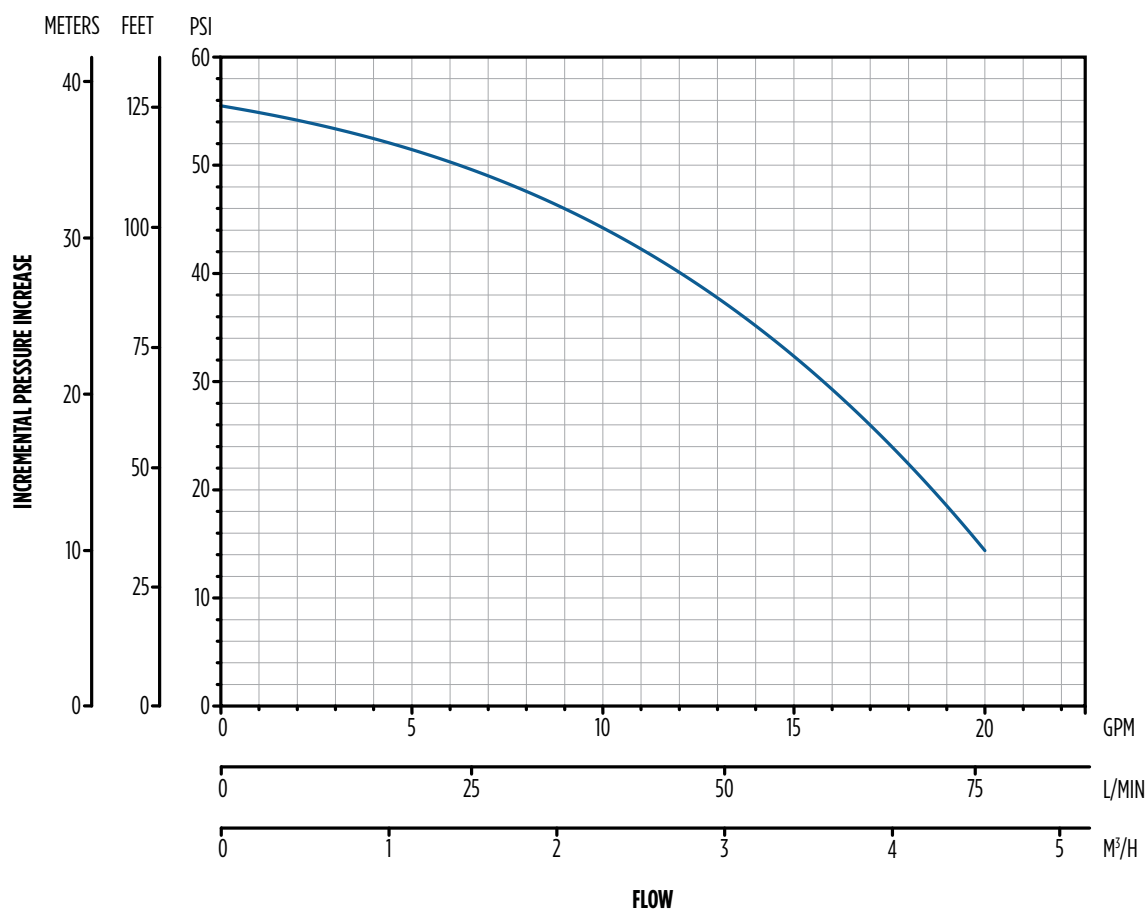
WATER QUALITY  
MECHANICAL DEVICE  
NSF/ANSI 61 & 372  
COLD WATER 6R21



Protective Cap

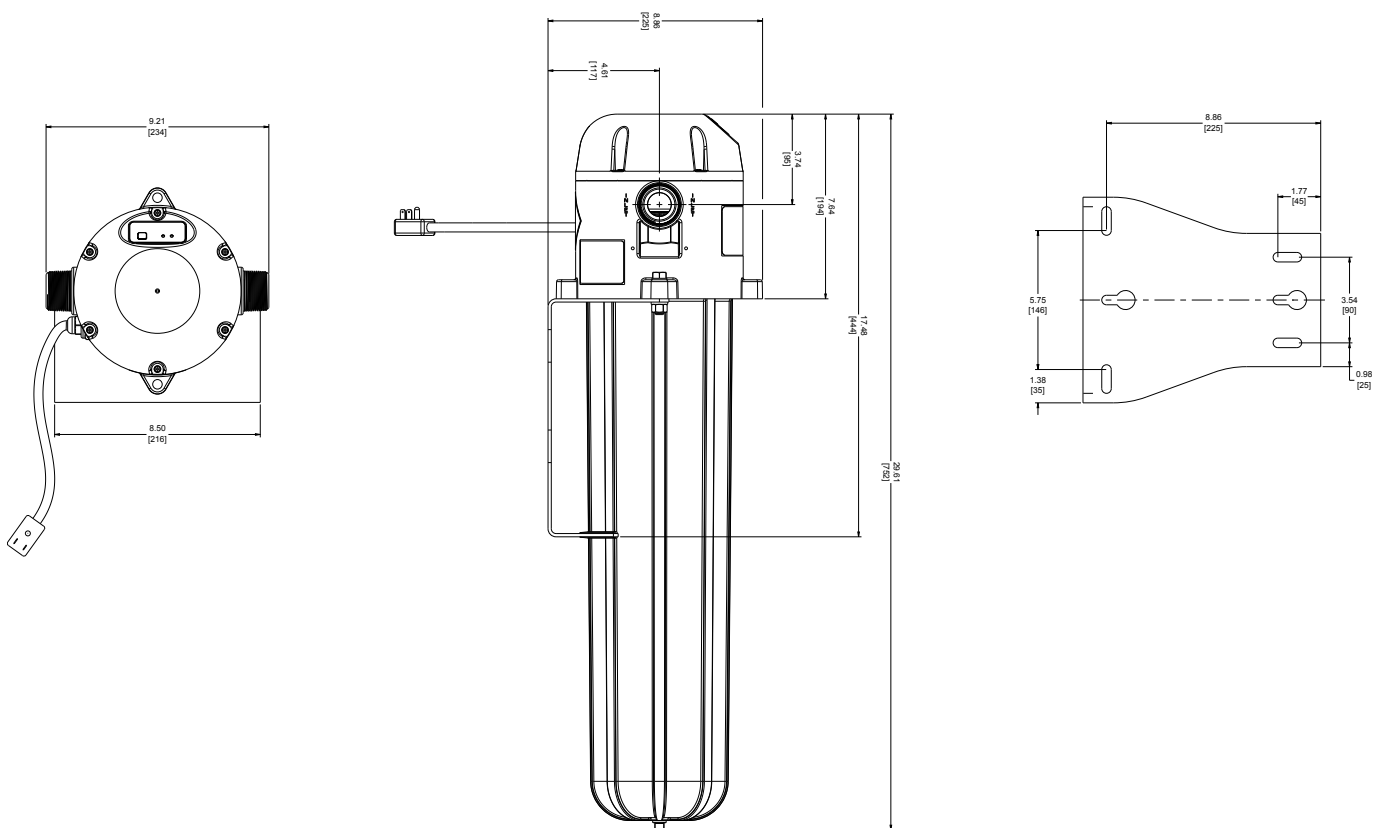
## INLINE PRESSURE BOOSTING - INLINE 400

### PERFORMANCE

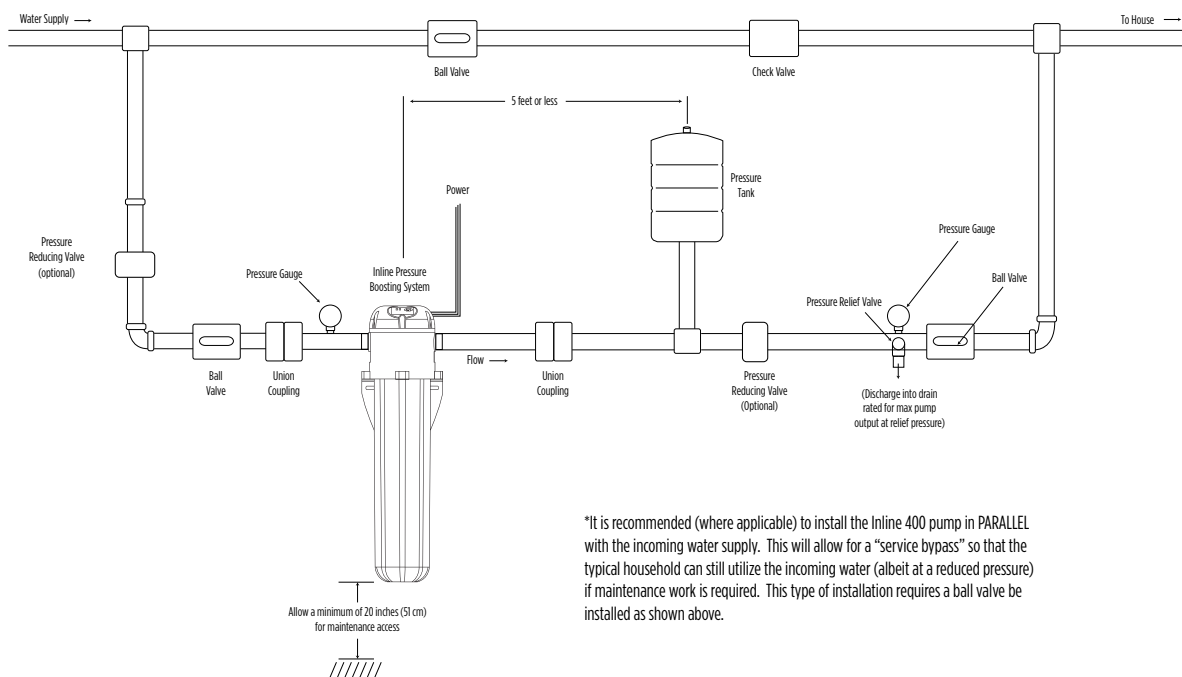


## INLINE PRESSURE BOOSTING - INLINE 400

### DIMENSIONS



### TYPICAL INSTALLATION



"It is recommended (where applicable) to install the Inline 400 pump in PARALLEL with the incoming water supply. This will allow for a "service bypass" so that the typical household can still utilize the incoming water (albeit at a reduced pressure) if maintenance work is required. This type of installation requires a ball valve be installed as shown above.

## INLINE CONSTANT PRESSURE - INLINE 1100

The Inline 1100 provides constant pressure for both private wells and municipal/city water systems.

### FEATURES

- Pump, motor, drive, and pressure switch in one box as a packaged system
- Small and compact design fits into small areas, even between floor joists
- Stainless steel construction for years of operation
- Simple and easy installation with step-by-step illustrated instructions
- Integrated motor design allows water to flow around it for quiet and cool operation
- NEMA 4 (IP56) electronics enclosure
- Multiple mounting configurations allow for the unit to be installed where you need it, whether horizontal, vertical, or even upside down
- Built-in system protections guard against many common failure modes including surge protection, voltage underload, locked pump, open circuit, short circuit, and overheated controller
- Product power rating: 1.5 hp (1.1 kW)
- Shipping weight: 50 lbs, 22.7 kg



### APPLICATIONS

- Boosted and constant water pressure from water storage/cistern systems
- Homes (both private and municipal applications)
- General pressure boosting
- Sprinkler systems
- Farming and commercial wash down systems

### ORDERING INFORMATION

| Model Description                   | Order No. | Input Voltage | Input Phase |
|-------------------------------------|-----------|---------------|-------------|
| 25SDIL1100N4* (Complete pump w/NPT) | 90401101  | 230           | Single      |

\*Includes pump, motor, drive, pressure switch, and all cables

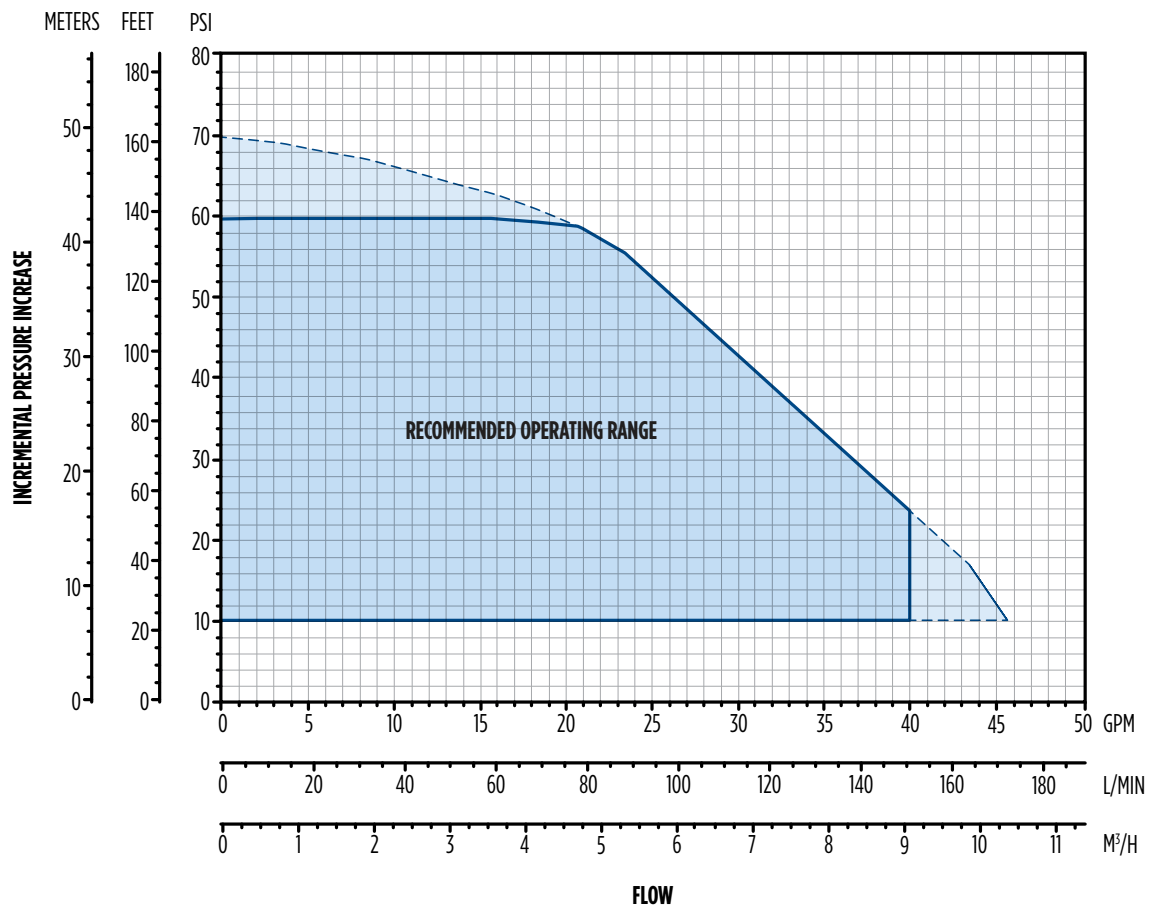
### ACCESSORIES & REPAIR KITS

| Model Description                  | Order No.  | Input Voltage | Input Phase |
|------------------------------------|------------|---------------|-------------|
| Drive Assembly                     | 305707907  | 230           | Single      |
| Pump Motor Assembly                | 305707902  | 230           | Single      |
| Mounting Feet                      | 305707903  | N/A           | N/A         |
| Pressure Switch                    | 305707906  | N/A           | N/A         |
| Pressure Tank (2-gallon)           | 305707910  | N/A           | N/A         |
| Fastener Kit                       | 305707904  | N/A           | N/A         |
| Pressure Switch Cable              | 305707905  | N/A           | N/A         |
| Overpressure Switch*               | 305707909  | N/A           | N/A         |
| Overpressure Switch Cable*         | 305707908  | N/A           | N/A         |
| Overpressure Switch & Cable Combo* | 305707912  | N/A           | N/A         |
| Duplex Alternator                  | 5850012000 | 115           | Single      |
| Kit O-Ring (NBR)                   | 14221002   | N/A           | N/A         |
| Kit Mechanical Seal                | 14222023   | N/A           | N/A         |
| Kit Ball Bearings                  | 14231001   | N/A           | N/A         |

\*Overpressure switch is sold as an accessory and is not required for normal operation

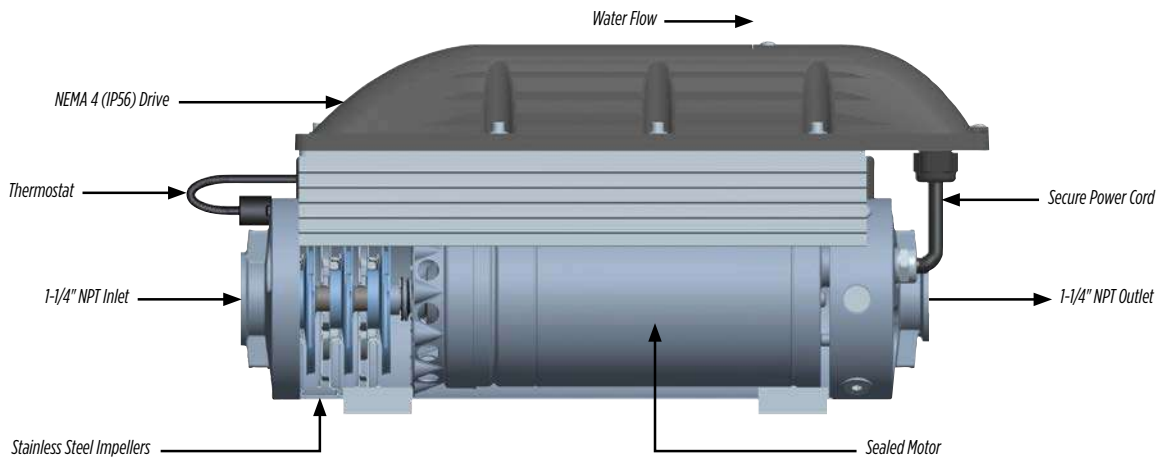
## INLINE CONSTANT PRESSURE - INLINE 1100

### PERFORMANCE



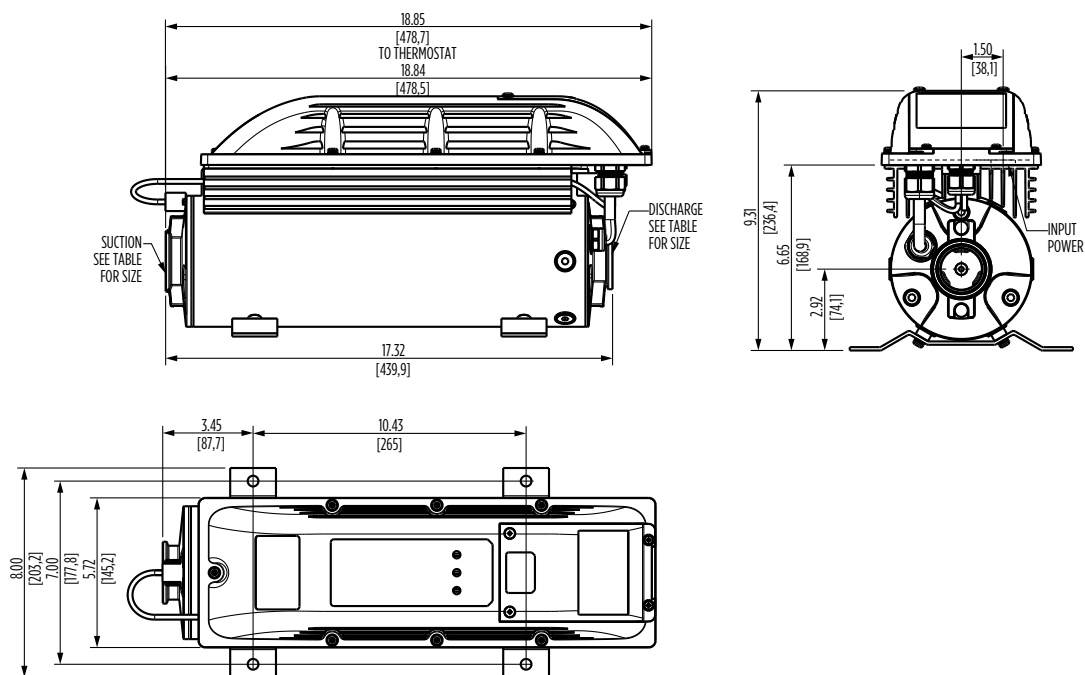
NOTE: Running outside of 'Recommended Operating Range' for short periods of time is permissible.

### SYSTEM COMPONENTS

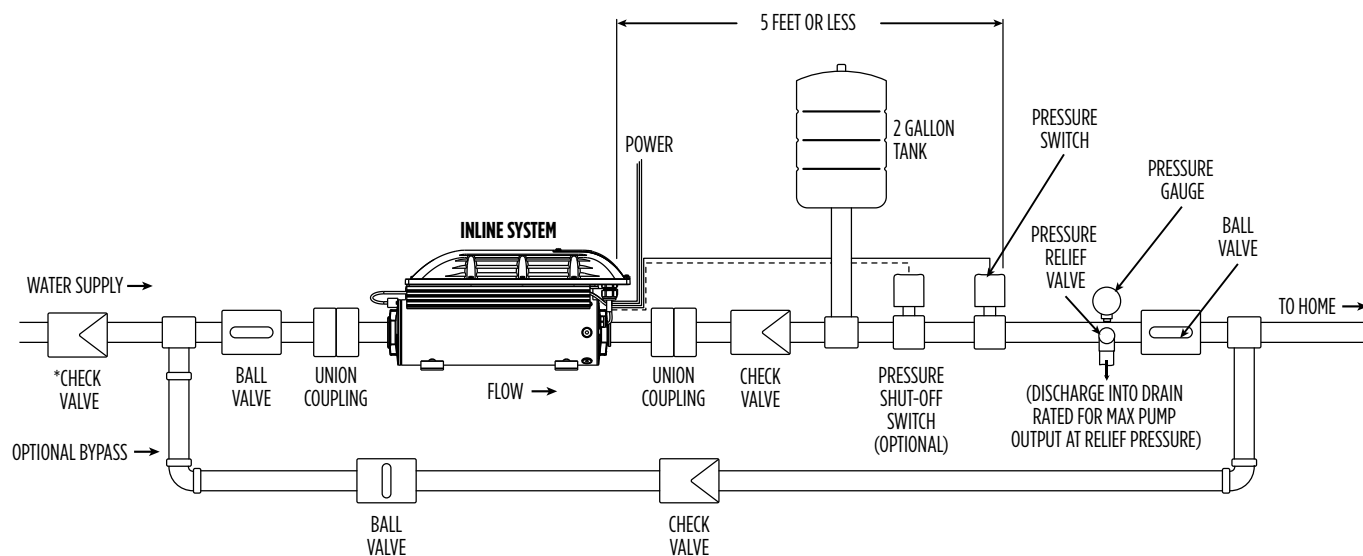


## INLINE CONSTANT PRESSURE - INLINE 1100

### DIMENSIONS



### TYPICAL INSTALLATION



*NOTE: These optional components are shown in a typical installation diagram. They should be used at the installer's discretion as required for particular applications.  
\* When connected to a municipal system, if the plumbing does not have a backflow prevention device, a check valve is required on the incoming water supply line.  
If installed on a cistern, the check valve should be passive or be eliminated.*

## INLINE CONTROL PACKAGES - MH & VERSAJET WITH SWC CONTROL

Specifically built for water pumping applications, the Inline Control Packages are comprised of two proven products that have been combined, optimized, and engineered to work together by Franklin Electric—a trusted pump manufacturer with more than 75 years of industry expertise.

### FEATURES AND BENEFITS

- Simple Installation: Packages come complete without the need for on-site wiring—just plug and play
- Pressure Boosting: Boosts water pressure with consistent output and no maintenance
- Simplified Inventory: Convenient, preassembled packages reduce the total number of SKUs
- Reduced Footprint: Eliminates the need for a pressure switch and, in most instances, a pressure tank
- Pump Protection: The control provides run-dry protection to the pump and an auto-run feature to keep the system free of debris and clogs if idle for more than 24 hours
- Fully Supported: Comes fully supported by the industry's leading Technical Support professionals and Field Service Engineers



### MH PUMP AND SWC CONTROL PACKAGES

#### APPLICATIONS

- Pressure boosting
- Wash-down applications
- Reverse osmosis/other applications where space is limited
- Turf irrigation/residential lawn sprinkler systems
- Commercial water features

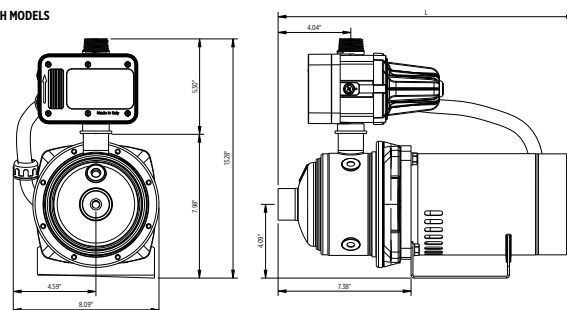
#### ORDERING INFORMATION

| Package Model | HP   | Voltage | Order No. | Pump             | Control    |
|---------------|------|---------|-----------|------------------|------------|
| 15FMH05S2-SWC | 0.5  | 115V    | 96061505  | MH 15 gpm 1/2 hp | Inline SWC |
| 15FMH07S3-SWC | 0.75 |         | 96061506  | MH 15 gpm 3/4 hp |            |

#### DIMENSIONS

| Package Model | HP   | Length "L" | Wt. (lbs) |
|---------------|------|------------|-----------|
| 15FMH07S3-SWC | 0.5  | 16.75"     | 24        |
| 15FMH05S2-SWC | 0.75 | 17.5"      | 27        |

15MH MODELS



### VERSAJET PUMP AND SWC CONTROL PACKAGES

#### APPLICATIONS

- Water lift from cisterns
- Driven point wells
- Water transfer and recirculation
- General pumping where space is limited

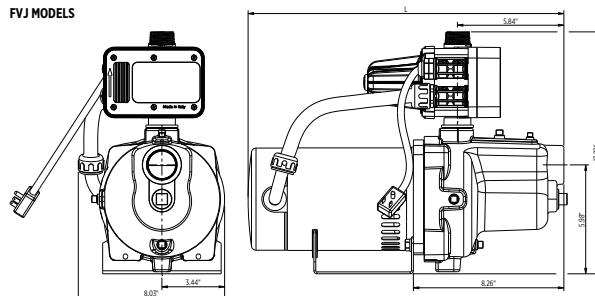
#### ORDERING INFORMATION

| Package Model | HP   | Voltage | Order No. | Pump            | Control    |
|---------------|------|---------|-----------|-----------------|------------|
| FVJ05CI-SWC   | 0.5  | 115V    | 91180105  | VersaJet 1/2 hp | Inline SWC |
| FVJ07CI-SWC   | 0.75 |         | 91180107  | VersaJet 3/4 hp |            |

#### DIMENSIONS

| Package Model | HP   | Length "L" | Wt. (lbs) |
|---------------|------|------------|-----------|
| FVJ05CI-SWC   | 0.5  | 17.25"     | 31        |
| FVJ07CI-SWC   | 0.75 | 18.00"     | 34        |

FVJ MODELS



## NOTES





