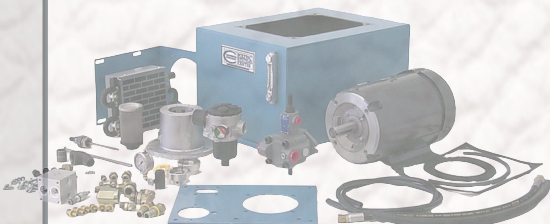
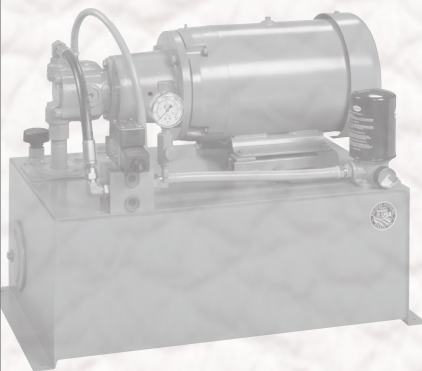
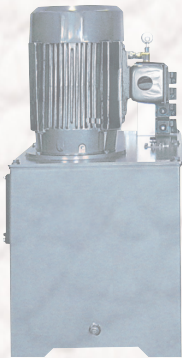


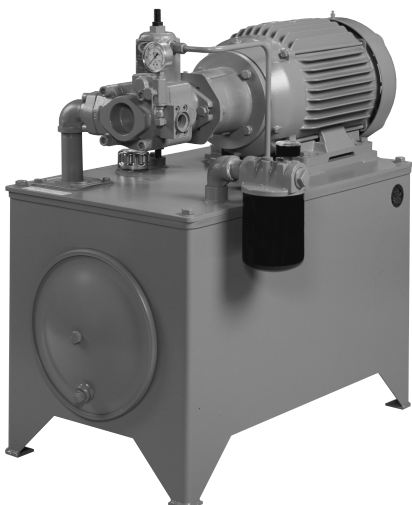
# Catalog NFPA/JIC Style Hydraulic Power Units



# NFPA/JIC Style Power Units

## 10 TO 210 GALLON CAPACITY

### Table of Contents



NFPA/JIC Style Power Units are especially designed for rugged, continuous use. They are ideal for industrial applications requiring flexibility in design and rugged construction.

Typical applications include use with:

- Pressing and Clamping Circuits
- Machine Tools and Machining Centers
- Conveyor Systems
- Machine Feeder Systems
- Industrial Trash Compactors and Balers

Make the NFPA/JIC Style Power Unit your choice for your most demanding industrial applications.

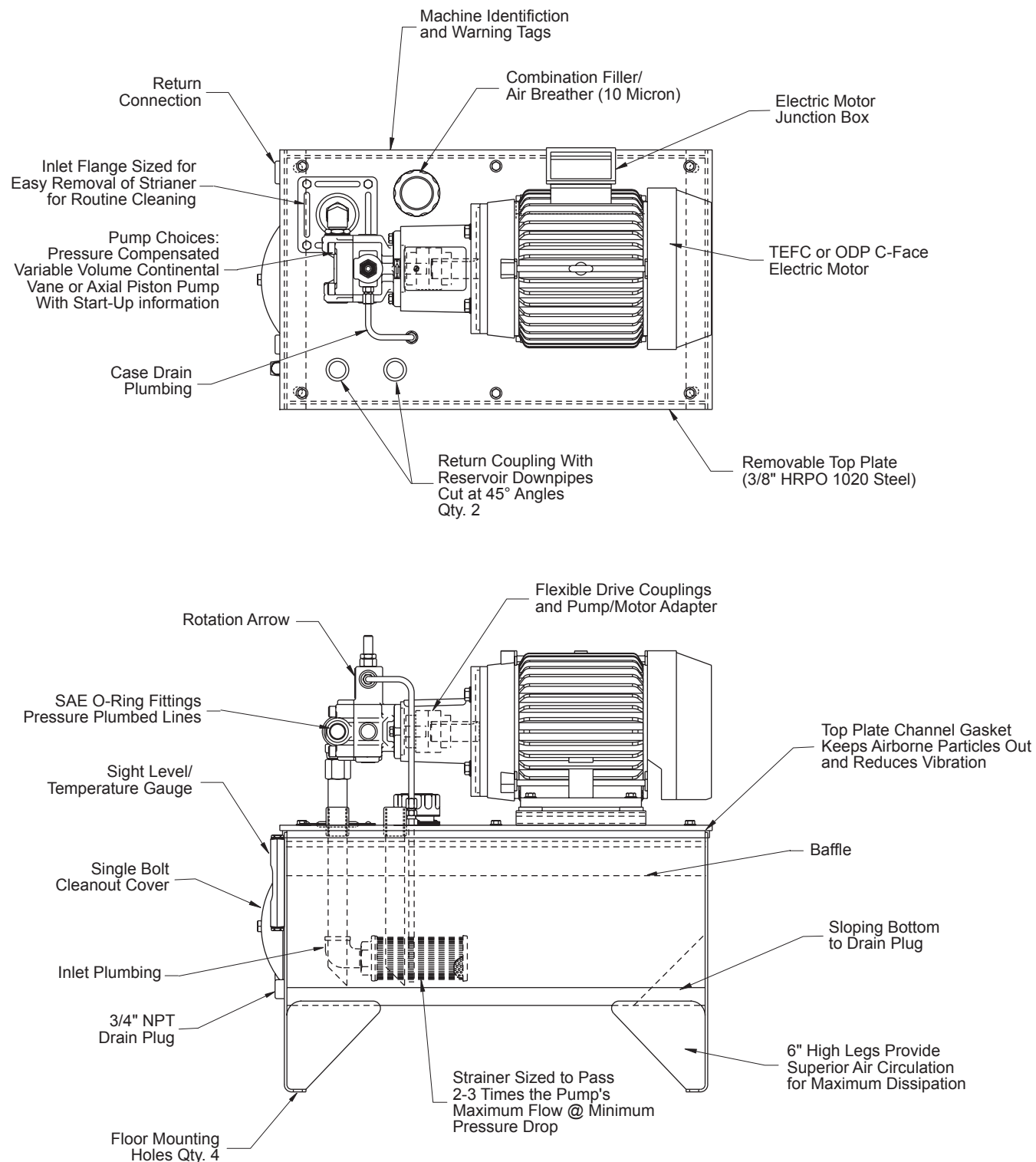
### Table of Contents

|                                           |       |
|-------------------------------------------|-------|
| Features .....                            | 4     |
| Typical Schematic and Codes .....         | 5     |
| 10 Gallon Capacity Power Unit .....       | 6-7   |
| 20 Gallon Capacity Power Units .....      | 8-13  |
| 35/50 Gallon Capacity Power Units .....   | 14-31 |
| 50 Gallon Capacity Power Unit .....       | 32-33 |
| 70 Gallon Capacity Power Units .....      | 34-45 |
| 90 Gallon Capacity Power Units .....      | 46-57 |
| 130/160 Gallon Capacity Power Units ..... | 58-65 |
| 210 Gallon Capacity Power Units .....     | 66-73 |
| Ordering Code Information .....           | 74-75 |

# NFPA/JIC Style Power Units

10 TO 210 GALLON CAPACITY

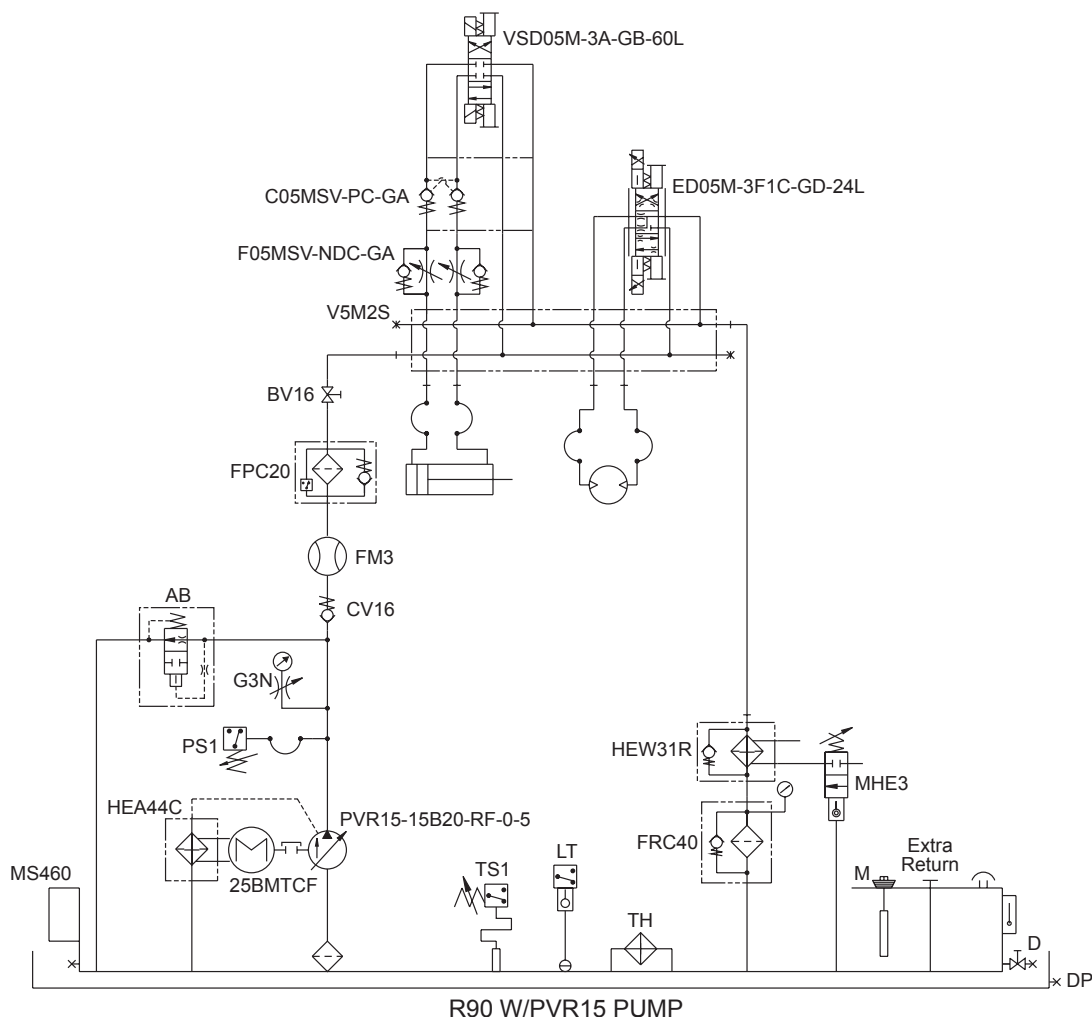
## Features



# NFPA/JIC Style Power Units

## 10 TO 210 GALLON CAPACITY

### Typical Schematic and Codes



### Schematic Code Descriptions

| Model Code         | Description                                         | Model Code | Description                                                                       |
|--------------------|-----------------------------------------------------|------------|-----------------------------------------------------------------------------------|
| R90                | 90 Gallon Reservoir                                 | FM3        | Flow Meter, SAE-20 Ports, 10 - 75 gpm (37.8 - 283.9 lpm)                          |
| DP                 | Drip Pan (Optional)                                 | LT         | Level/Temperature Switch                                                          |
| 25BMTCF            | Motor 25 H.P. (18.6 kW), 1800rpm, TEFC, 284TC       | PS1        | Pressure Switch, 200 - 3000 psi (14 - 207 bar) Adjustment                         |
| F                  | Installed Customer Motor                            | TS1        | Temperature Switch, 30°F. - 250°F. (-1°C. - 121°C.) Adjustment                    |
| H1                 | Petroleum Based Oil                                 | TH         | Tank Heater 30°F. - 110°F. (-1°C. - 43°C.) Adjustment                             |
| G3                 | 0 - 3000 psi (0 - 207 bar) Pressure Gauge           | FRC40      | Return Filter, 1-1/4 NPT Ports, 40 gpm (151.4 lpm), 10 Micron                     |
| N                  | Gauge Snubber/Shut-off Valve, SAE-4 Ports           | FPC20      | Pressure Filter, SAE-16 Ports, 20 gpm (75.7 lpm), 10 Micron                       |
| AB                 | Air Bleed Valve                                     | HEA44C     | Case Drain Cooler, SAE-8 Ports                                                    |
| D                  | Reservoir Drain Valve, 3/4 NPT                      | HEW31R     | Water-to-Oil Heat Exchanger, SAE-24 Ports                                         |
| M                  | Magnet                                              | MHE3       | Water Modulating Valve, 3/4 NPT Ports, 100°F. - 140°F. (38°C. - 60°C.) Adjustment |
| CV16               | Check Valve, SAE-16 Ports, 7 psi (0.5 bar) Cracking | V5M2S      | D05 2 Station Manifold, SAE-8 "A" and "B" Ports                                   |
| BV16               | High Pressure Ball Valve, SAE-16 Ports              |            |                                                                                   |
| Model Code         | Description                                         |            |                                                                                   |
| PVR15-15B20-RF-0-5 | Vane Pump, 15 gpm (56.8 lpm), 2000 psi (138 bar)    |            |                                                                                   |
| VSD05M-3A-GB-60L   | D05 Directional Control Valve                       |            |                                                                                   |
| C05MSV-PC-GA       | D05 Modular Stack Cross-Port Check Valve            |            |                                                                                   |
| F05MSV-NDC-GA      | D05 Modular Stack Dual Flow Control Valve           |            |                                                                                   |
| BD05-667           | D05 Bolt Kit, 6.67" Long                            |            |                                                                                   |
| ED05M-3F1C-GD-24L  | D05 Proportional Directional Control Valve          |            |                                                                                   |
| BD05-175           | D05 Bolt Kit, 1.75" Long                            |            |                                                                                   |

# NFPA/JIC Style Power Units

10 GALLON CAPACITY

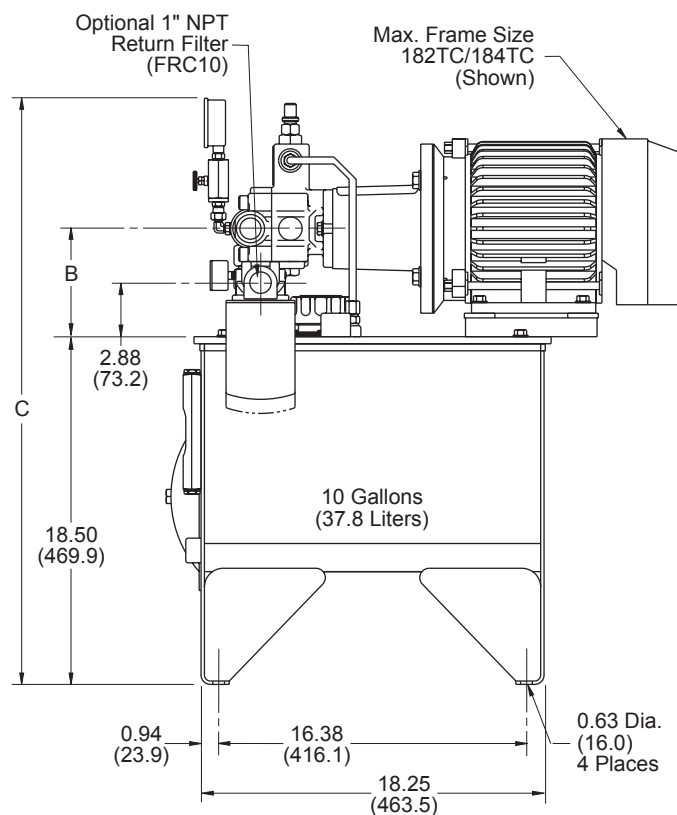
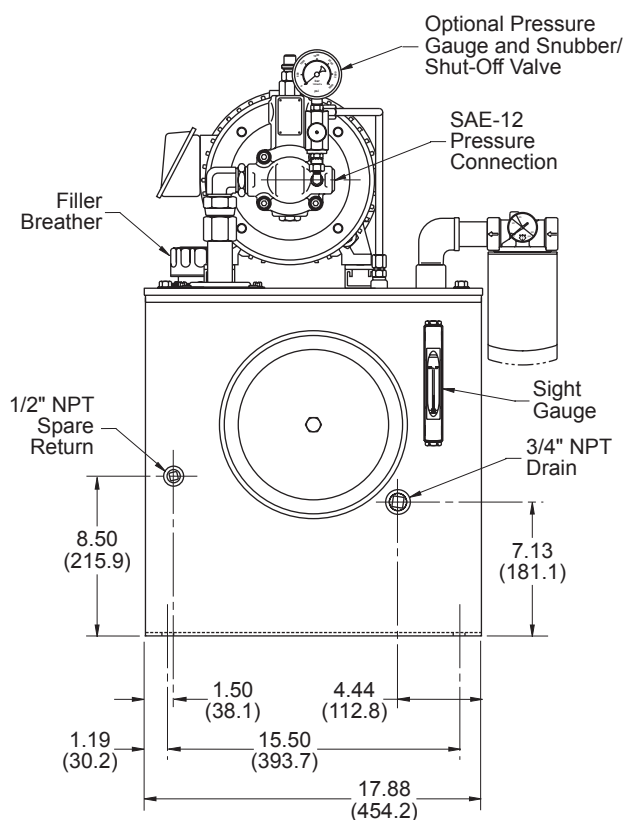
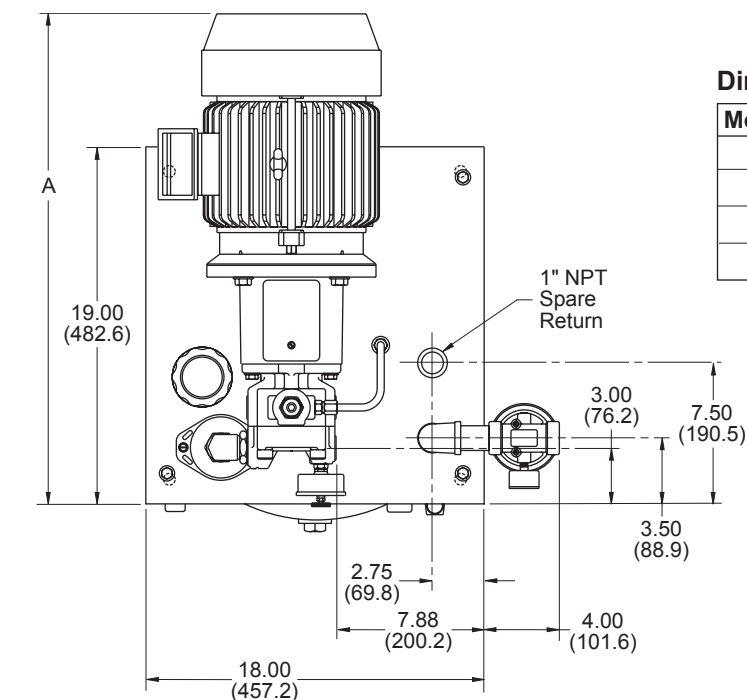
Dimension Drawing - With PVR6 Vane Pump



Dimensions shown in: Inches (± .125)  
millimeters (± 1 mm)

## Dimensions

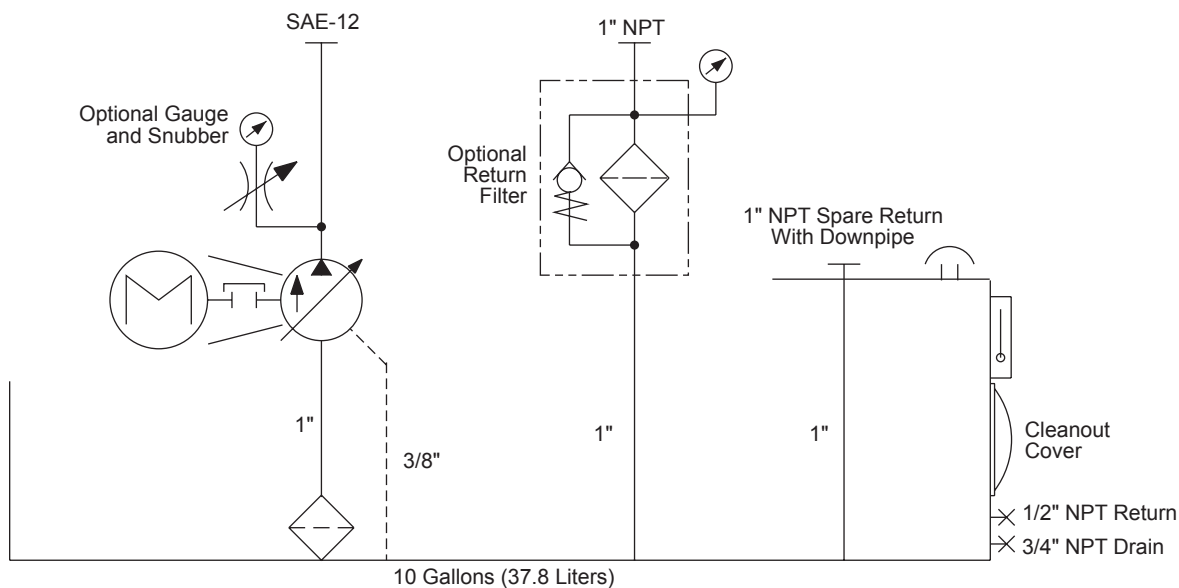
| Motor Frame | A             | B            | C             |
|-------------|---------------|--------------|---------------|
| 143TC       | 21.92 (556.8) | 4.75 (120.6) | 30.25 (768.3) |
| 145TC       | 21.92 (556.8) | 4.75 (120.6) | 30.25 (768.3) |
| 182TC       | 24.06 (611.1) | 5.75 (146.0) | 31.25 (793.7) |
| 184TC       | 25.06 (636.5) | 5.75 (146.0) | 31.25 (793.7) |



# NFPA/JIC Style Power Units

10 GALLON CAPACITY

Schematic and Specifications - With PVR6 Vane Pump



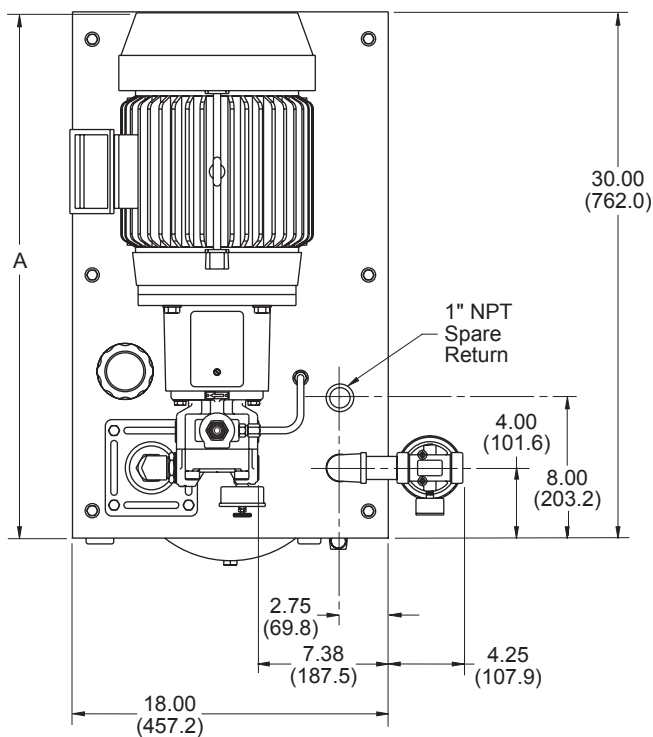
| GENERAL SPECIFICATIONS                   | R10                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 10 Gal. (37.8 liters)                         |
| Surface Area For Heat Transfer           | 6.11 sq. ft. (5676.2 cm <sup>2</sup> )        |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 180 lbs. (81.7 kg)                            |
| Usable Gallons                           | 3.69 Gal. (14.0 liters)                       |
| Gallons Per Inch Rise                    | 1.32 Gal. (5.0 liters)                        |
| Capacity, Full to Top Plate              | 14.93 Gal. (56.5 liters)                      |
| Capacity, High on Sight Gauge            | 10.65 Gal. (40.3 liters)                      |
| Capacity, Low on Sight Gauge             | 6.70 Gal. (25.4 liters)                       |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 10 gpm (37.8 lpm)                       |
| Pressure Range                           | Up to 2000 psi (138 bar)                      |
| Power Range                              | Up to 5 HP (3.7 kW)                           |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

# NFPA/JIC Style Power Units

20 GALLON CAPACITY

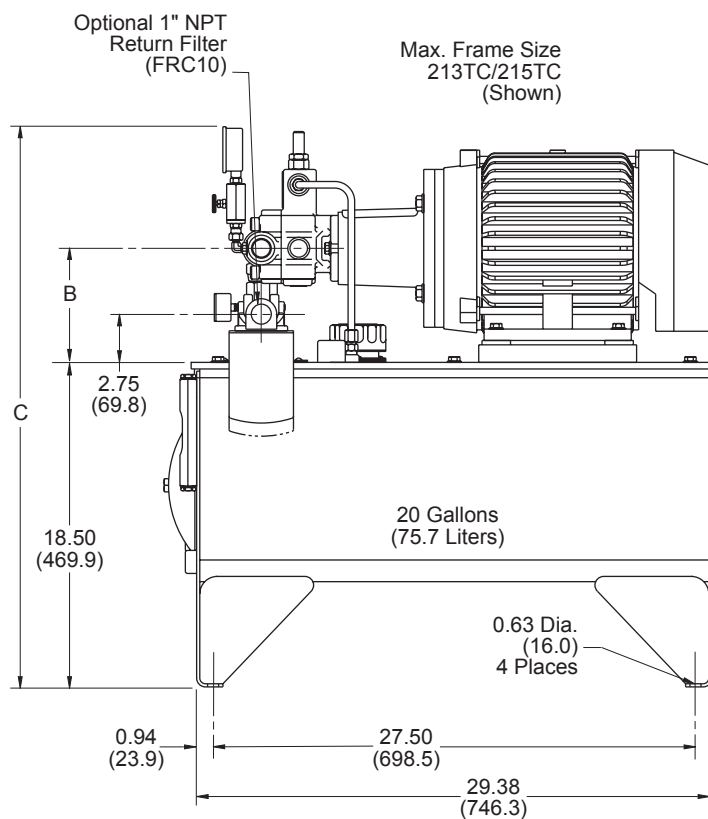
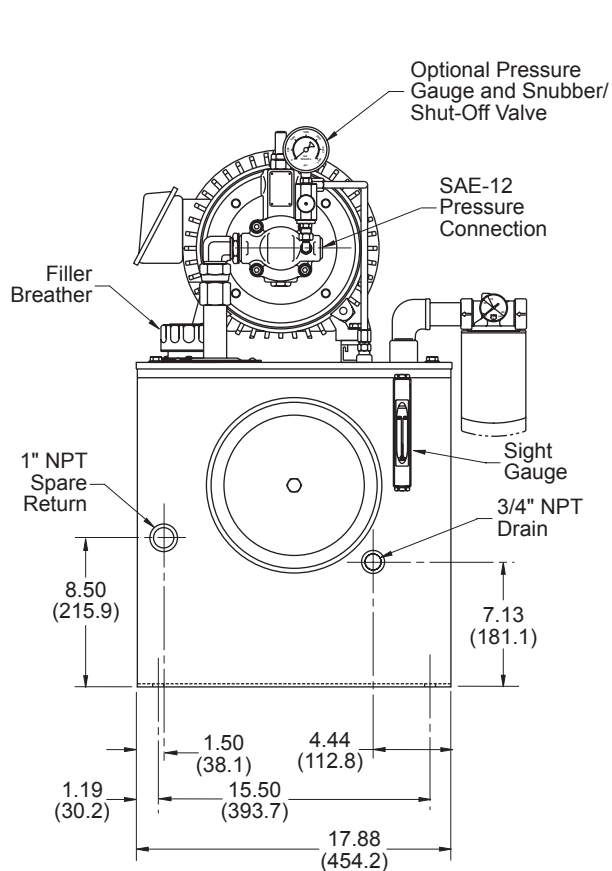
Dimension Drawing - With PVR6 Vane Pump



Dimensions shown in: Inches ( $\pm .125$ )  
(millimeters ( $\pm 1$  mm))

## Dimensions

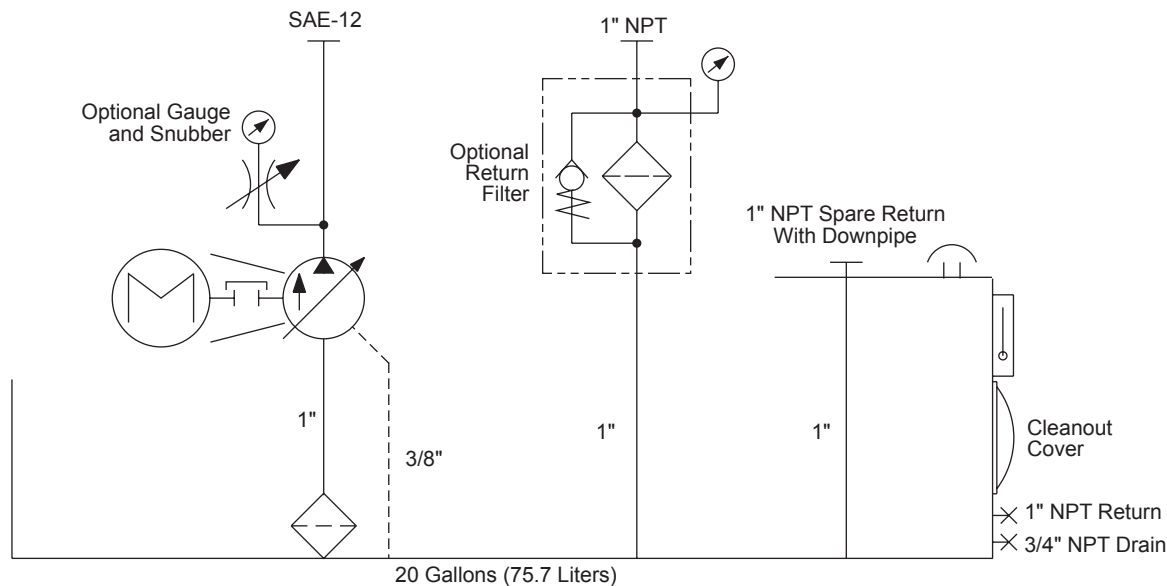
| Motor Frame | A             | B            | C             |
|-------------|---------------|--------------|---------------|
| 143TC       | 22.92 (582.2) | 4.75 (120.6) | 30.25 (768.3) |
| 145TC       | 22.92 (582.2) | 4.75 (120.6) | 30.25 (768.3) |
| 182TC       | 25.06 (636.5) | 5.75 (146.0) | 31.25 (793.7) |
| 184TC       | 26.05 (661.7) | 5.75 (146.0) | 31.25 (793.7) |
| 213TC       | 28.20 (716.3) | 6.50 (165.1) | 32.00 (812.8) |
| 215TC       | 29.69 (754.1) | 6.50 (165.1) | 32.00 (812.8) |



# NFPA/JIC Style Power Units

20 GALLON CAPACITY

## Schematic and Specifications - With PVR6 Vane Pump



| GENERAL SPECIFICATIONS                   | R20                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 20 Gal. (75.7 liters)                         |
| Surface Area For Heat Transfer           | 9.50 sq. ft. (8825.5 cm <sup>2</sup> )        |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 244 lbs. (110.7 kg)                           |
| Usable Gallons                           | 7.40 Gal. (28.0 liters)                       |
| Gallons Per Inch Rise                    | 2.13 Gal. (8.1 liters)                        |
| Capacity, Full to Top Plate              | 24.76 Gal. (93.7 liters)                      |
| Capacity, High on Sight Gauge            | 20.24 Gal. (76.6 liters)                      |
| Capacity, Low on Sight Gauge             | 12.84 Gal. (48.6 liters)                      |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 10 gpm (37.8 lpm)                       |
| Pressure Range                           | Up to 2000 psi (138 bar)                      |
| Power Range                              | Up to 10 HP (7.5 kW)                          |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

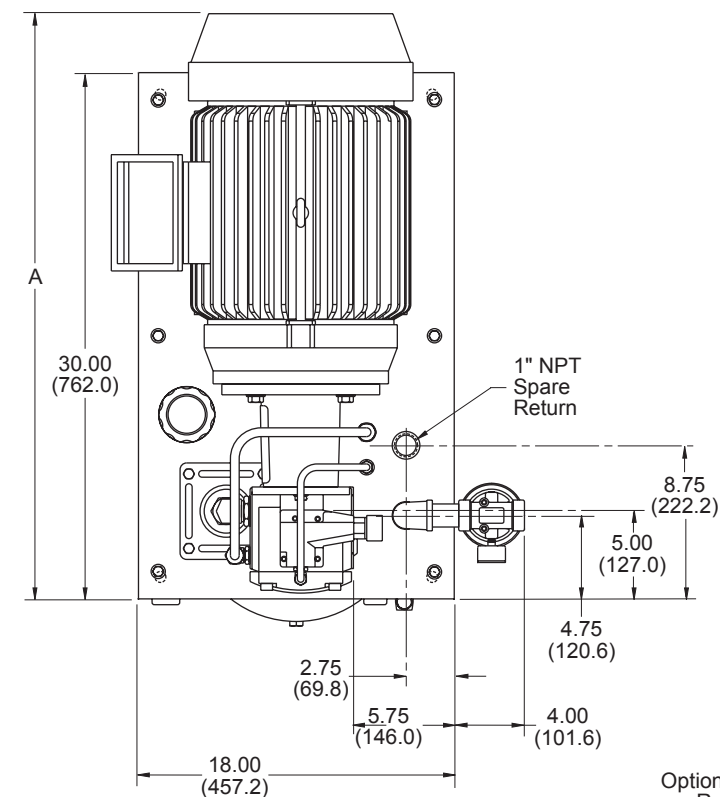
# NFPA/JIC Style Power Units

20 GALLON CAPACITY

Dimension Drawing - With PVX8 Vane Pump

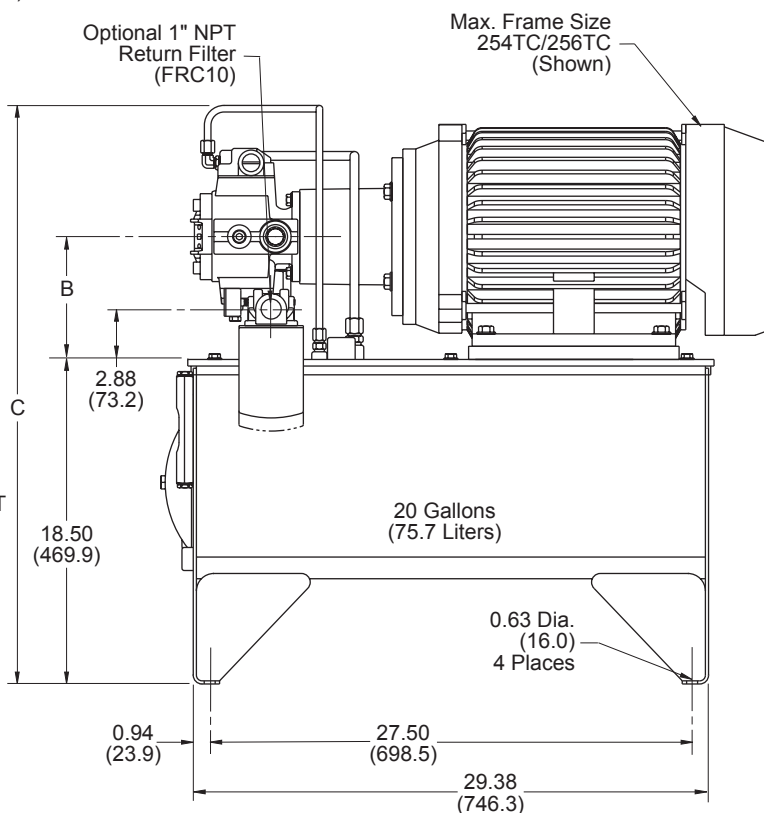
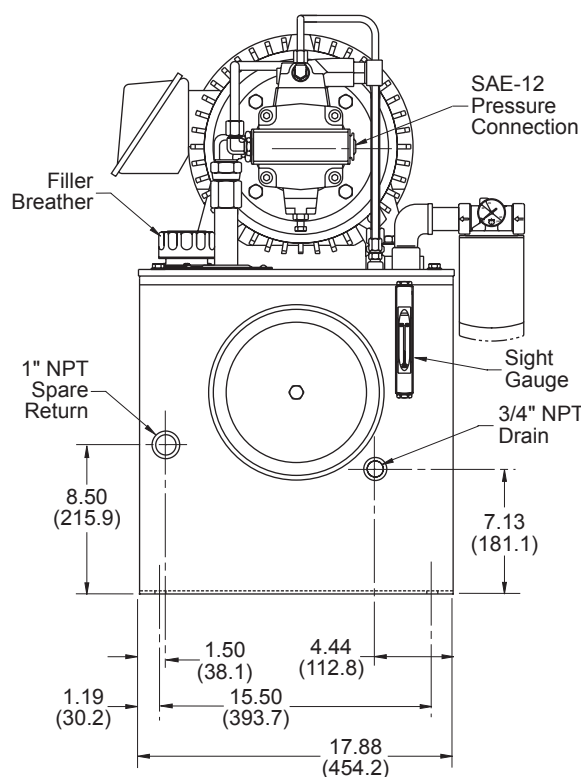


Dimensions shown in: Inches (± .125)  
millimeters (± 1 mm)



## Dimensions

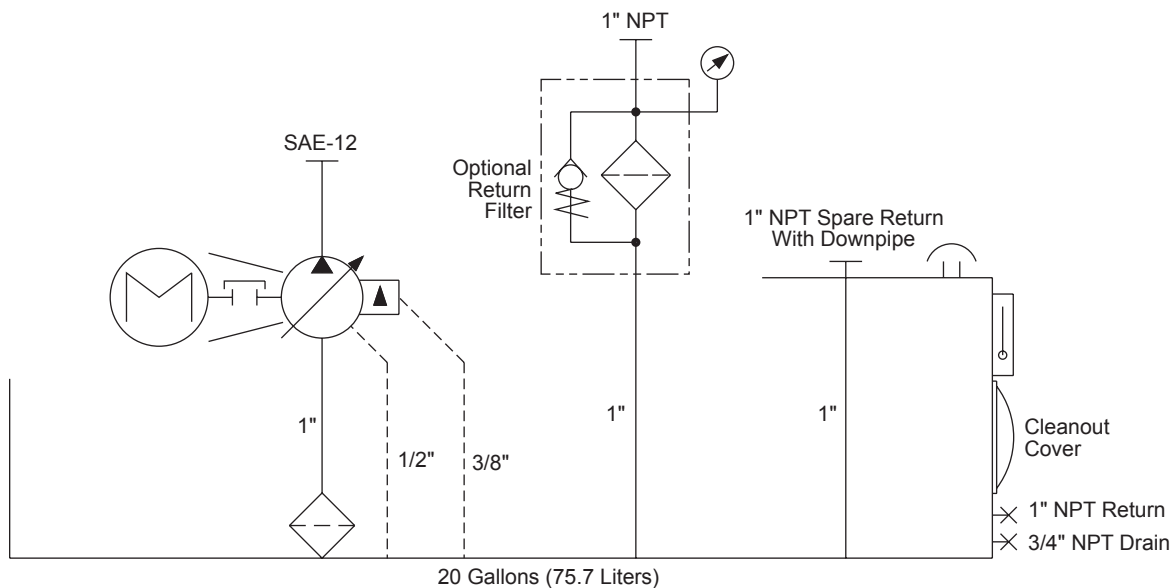
| Motor Frame | A             | B            | C             |
|-------------|---------------|--------------|---------------|
| 182TC       | 23.06 (585.7) | 5.75 (146.0) | 32.38 (822.5) |
| 184TC       | 24.05 (610.9) | 5.75 (146.0) | 32.38 (822.5) |
| 213TC       | 26.20 (665.5) | 6.50 (165.1) | 33.13 (841.5) |
| 215TC       | 27.69 (703.3) | 6.50 (165.1) | 33.13 (841.5) |
| 254TC       | 31.66 (804.2) | 7.00 (177.8) | 33.63 (854.2) |
| 256TC       | 33.36 (847.3) | 7.00 (177.8) | 33.63 (854.2) |



# NFPA/JIC Style Power Units

20 GALLON CAPACITY

Schematic and Specifications - With PVX8 Vane Pump



| GENERAL SPECIFICATIONS                   | R20                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 20 Gal. (75.7 liters)                         |
| Surface Area For Heat Transfer           | 9.50 sq. ft. (8825.5 cm <sup>2</sup> )        |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 243 lbs. (110.2 kg)                           |
| Usable Gallons                           | 7.40 Gal. (28.0 liters)                       |
| Gallons Per Inch Rise                    | 2.13 Gal. (8.1 liters)                        |
| Capacity, Full to Top Plate              | 24.76 Gal. (93.7 liters)                      |
| Capacity, High on Sight Gauge            | 20.24 Gal. (76.6 liters)                      |
| Capacity, Low on Sight Gauge             | 12.84 Gal. (48.6 liters)                      |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 8 gpm (30.3 lpm)                        |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 20 HP (14.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

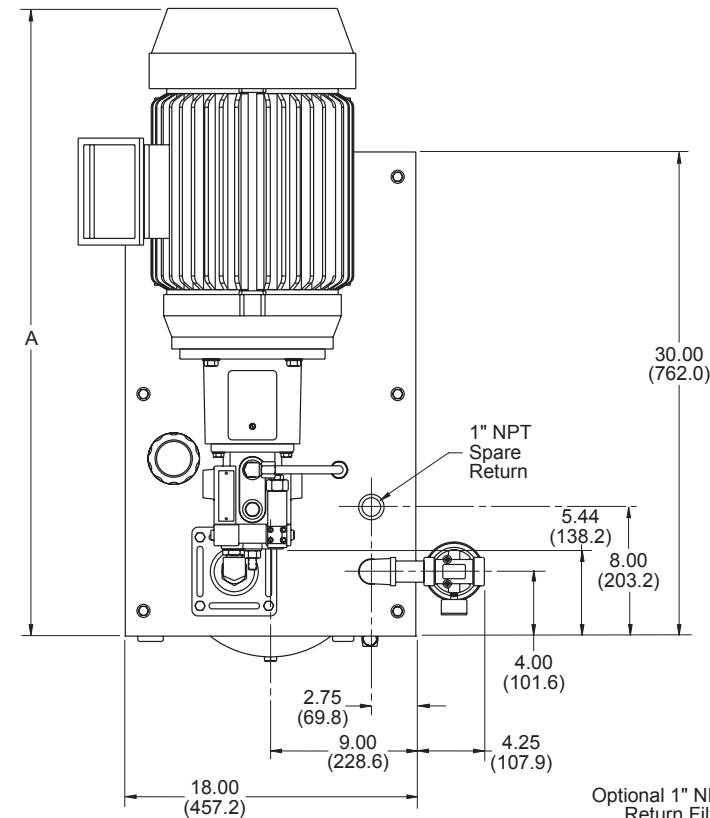
# NFPA/JIC Style Power Units

20 GALLON CAPACITY

Dimension Drawing - With HPV6 Piston Pump

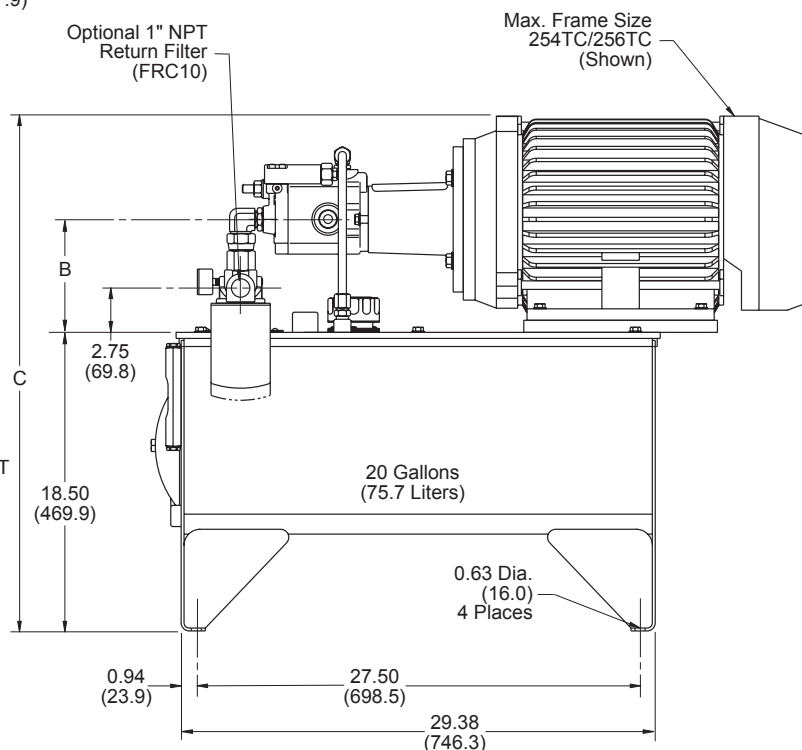
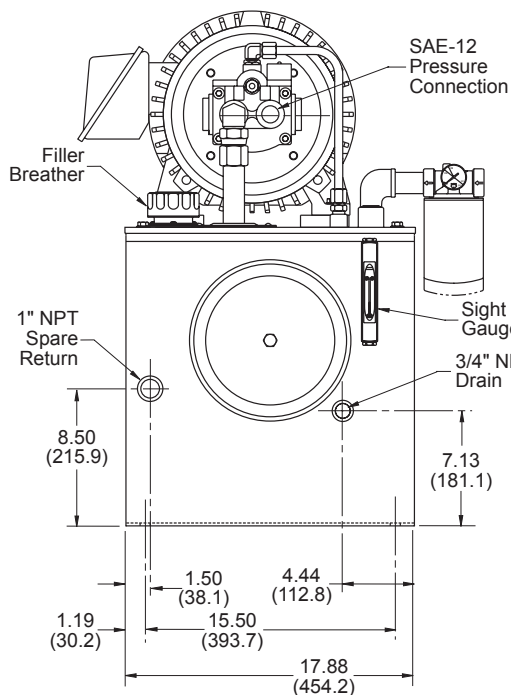


Dimensions shown in: Inches ( $\pm .125$ )  
(millimeters ( $\pm 1$  mm))



## Dimensions

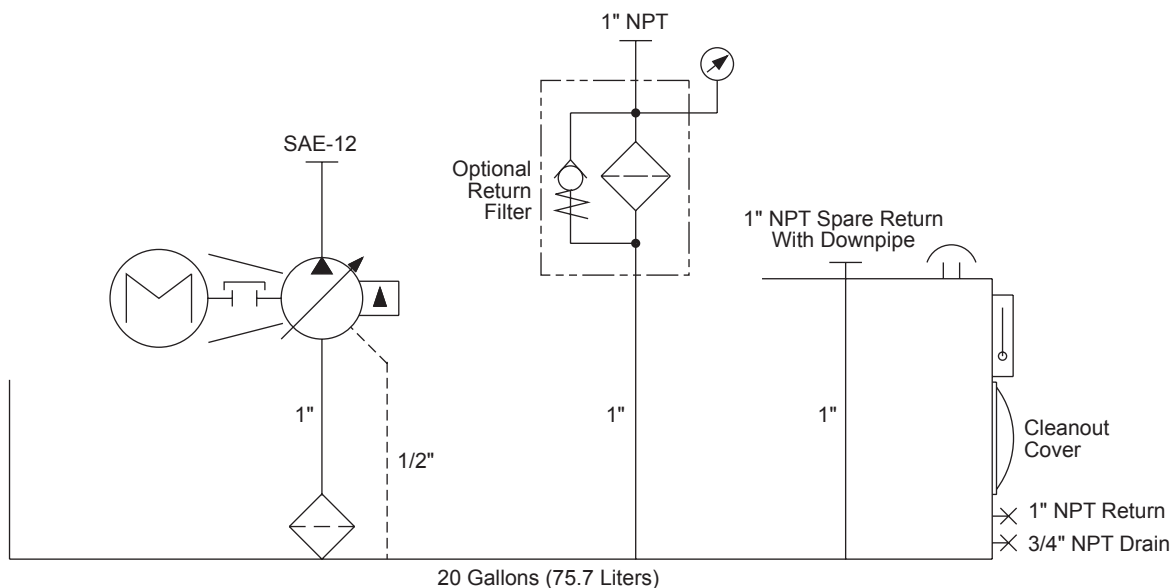
| Motor Frame | A              | B            | C             |
|-------------|----------------|--------------|---------------|
| 182TC       | 29.04 (737.6)  | 5.75 (146.0) | 29.19 (741.4) |
| 184TC       | 30.03 (762.8)  | 5.75 (146.0) | 29.19 (741.4) |
| 213TC       | 32.18 (817.4)  | 6.50 (165.1) | 30.63 (778.0) |
| 215TC       | 33.67 (855.2)  | 6.50 (165.1) | 30.63 (778.0) |
| 254TC       | 37.64 (956.1)  | 7.00 (177.8) | 32.13 (816.1) |
| 256TC       | 39.64 (1006.9) | 7.00 (177.8) | 32.13 (816.1) |



# NFPA/JIC Style Power Units

20 GALLON CAPACITY

Schematic and Specifications - With HPV6 Piston Pump



| GENERAL SPECIFICATIONS                   | R20                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 20 Gal. (75.7 liters)                         |
| Surface Area For Heat Transfer           | 9.50 sq. ft. (8825.5 cm <sup>2</sup> )        |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 244 lbs. (110.7 kg)                           |
| Usable Gallons                           | 7.40 Gal. (28.0 liters)                       |
| Gallons Per Inch Rise                    | 2.13 Gal. (8.1 liters)                        |
| Capacity, Full to Top Plate              | 24.76 Gal. (93.7 liters)                      |
| Capacity, High on Sight Gauge            | 20.24 Gal. (76.6 liters)                      |
| Capacity, Low on Sight Gauge             | 12.84 Gal. (48.6 liters)                      |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 6 gpm (22.7 lpm)                        |
| Pressure Range                           | Up to 3500 psi (241 bar)                      |
| Power Range                              | Up to 20 HP (14.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

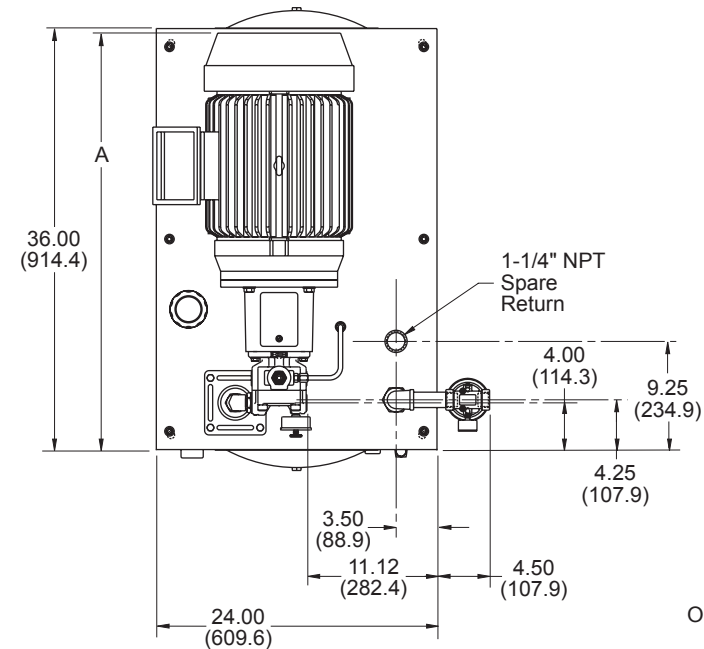
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With PVR6 Vane Pump



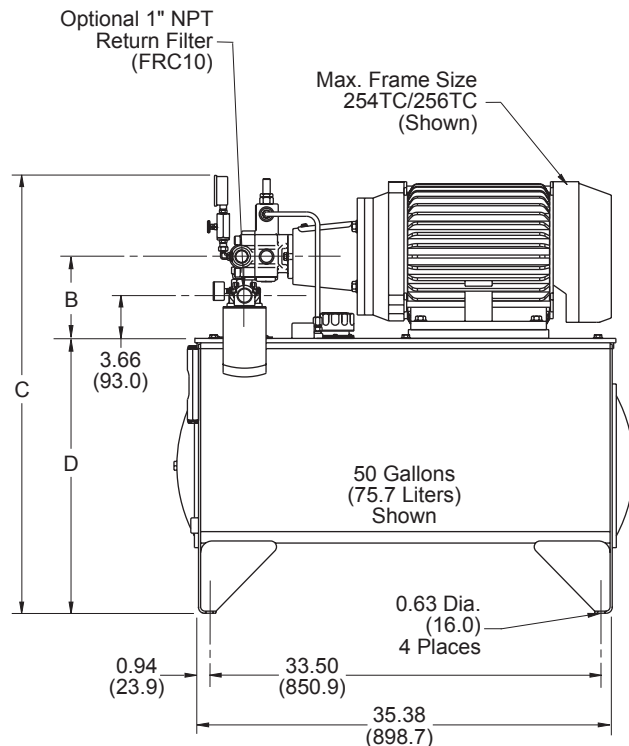
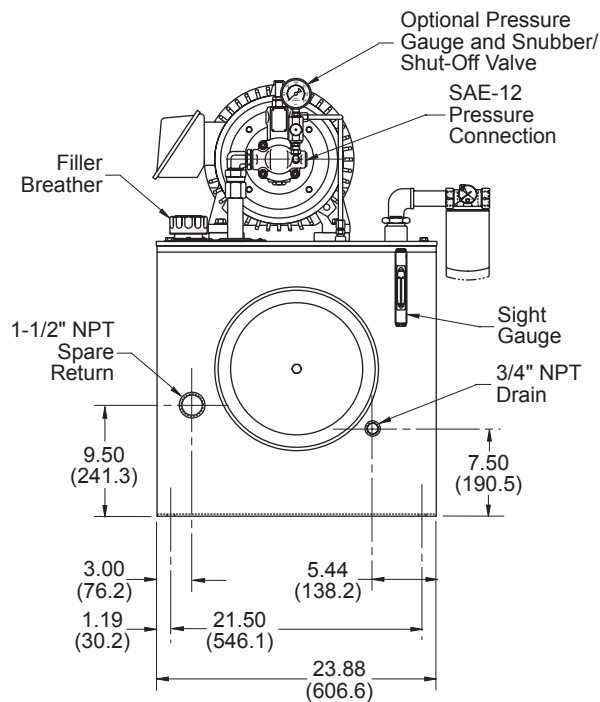
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A             | B            | C             |               |
|-------------|---------------|--------------|---------------|---------------|
|             |               |              | R35           | R50           |
| 182TC       | 25.06 (636.5) | 5.75 (146.0) | 31.50 (800.1) | 36.25 (920.7) |
| 184TC       | 26.05 (661.7) | 5.75 (146.0) | 31.50 (800.1) | 36.25 (920.7) |
| 213TC       | 28.20 (716.3) | 6.50 (165.1) | 32.25 (819.1) | 37.00 (939.8) |
| 215TC       | 29.69 (754.1) | 6.50 (165.1) | 32.25 (819.1) | 37.00 (939.8) |
| 254TC       | 33.66 (855.0) | 7.00 (177.8) | 32.75 (831.8) | 37.50 (952.5) |
| 256TC       | 35.35 (897.9) | 7.00 (177.8) | 32.75 (831.8) | 37.50 (952.5) |

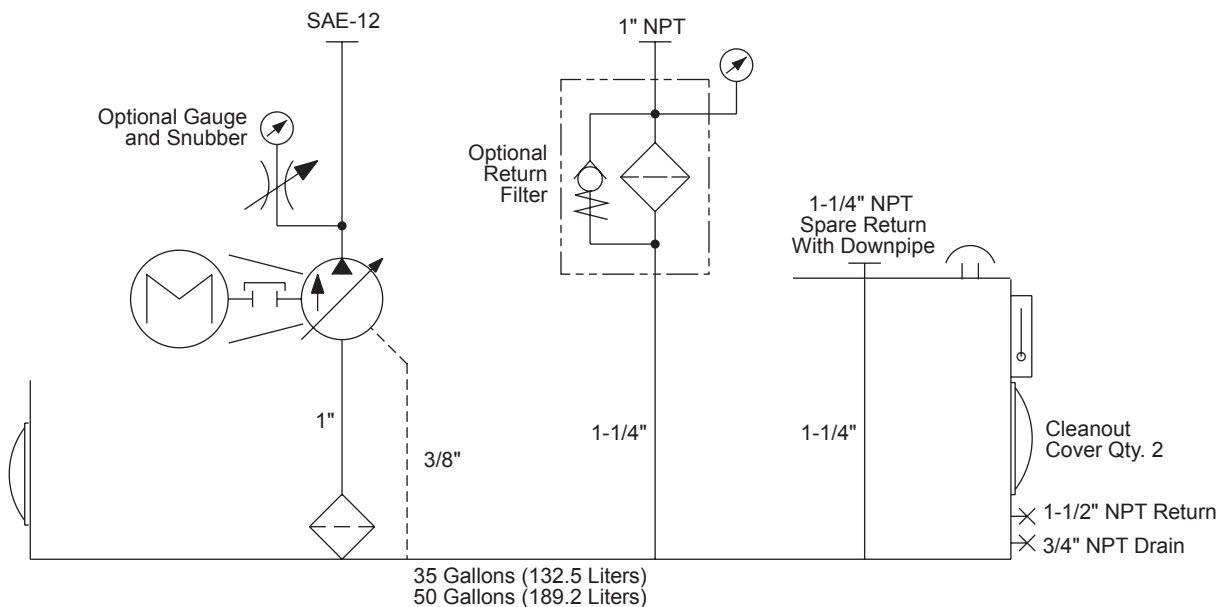
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With PVR6 Vane Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 349 lbs. (158.3 kg)                           | 386 lbs. (175.1 kg)                  |
| Usable Gallons                           | 10.46 Gal. (39.6 liters)                      | 23.31 Gal. (88.2 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 10 gpm (37.8 lpm)                       | Up to 10 gpm (37.8 lpm)              |
| Pressure Range                           | Up to 2000 psi (138 bar)                      | Up to 2000 psi (138 bar)             |
| Power Range                              | Up to 20 HP (14.9 kW)                         | Up to 20 HP (14.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

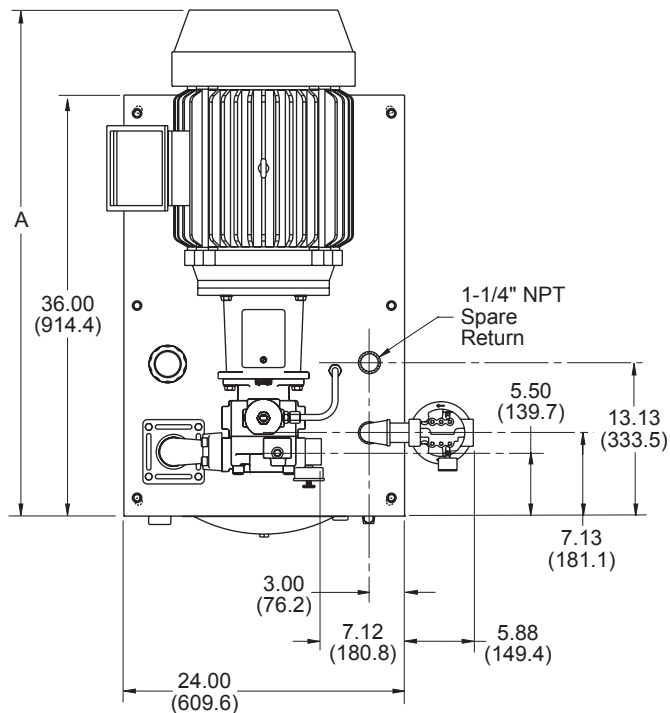
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With PVR15 Vane Pump



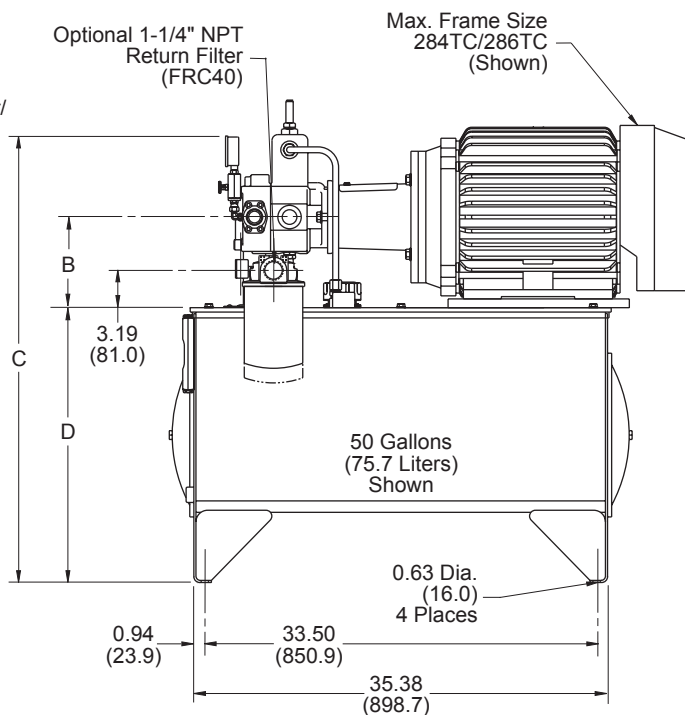
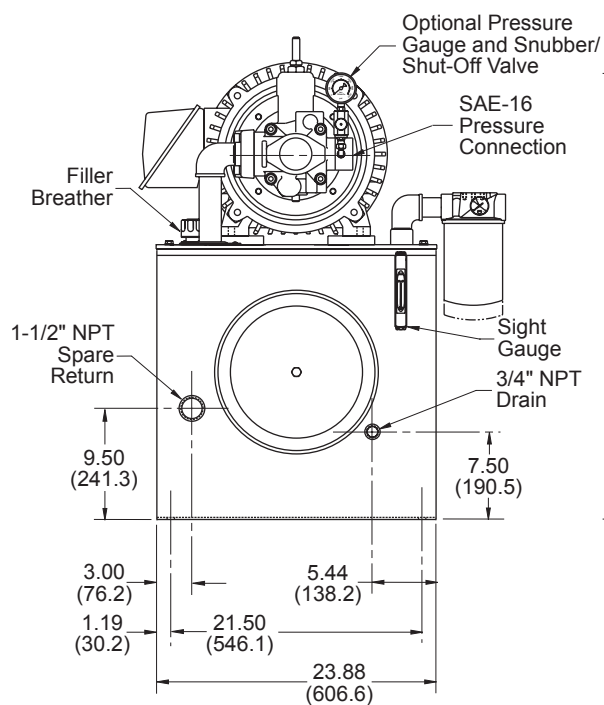
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A              | B            | C             |                |
|-------------|----------------|--------------|---------------|----------------|
|             |                |              | R35           | R50            |
| 182TC       | 29.18 (741.2)  | 5.75 (146.0) | 34.50 (876.3) | 39.25 (996.9)  |
| 184TC       | 30.17 (766.3)  | 5.75 (146.0) | 34.50 (876.3) | 39.25 (996.9)  |
| 213TC       | 32.20 (817.9)  | 6.50 (165.1) | 35.25 (895.3) | 40.00 (1016.0) |
| 215TC       | 33.69 (855.7)  | 6.50 (165.1) | 35.25 (895.3) | 40.00 (1016.0) |
| 254TC       | 38.03 (966.0)  | 7.00 (177.8) | 35.75 (908.0) | 40.50 (1028.7) |
| 256TC       | 39.73 (1009.1) | 7.00 (177.8) | 35.75 (908.0) | 40.50 (1028.7) |
| 284TC       | 41.53 (1054.9) | 7.75 (196.8) | 36.50 (927.1) | 41.25 (1047.7) |
| 286TC       | 43.03 (1093.0) | 7.75 (196.8) | 36.50 (927.1) | 41.25 (1047.7) |

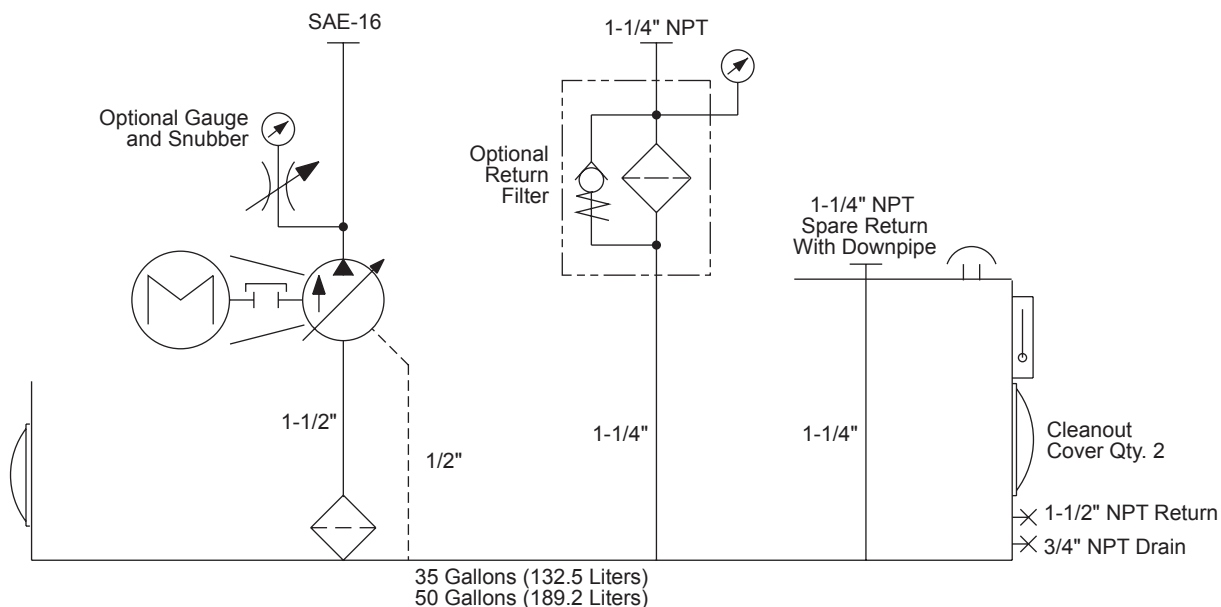
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With PVR15 Vane Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 360 lbs. (163.3 kg)                           | 398 lbs. (180.5 kg)                  |
| Usable Gallons                           | 7.90 Gal. (29.9 liters)                       | 19.72 Gal. (74.6 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 30 gpm (113.5 lpm)                      | Up to 30 gpm (113.5 lpm)             |
| Pressure Range                           | Up to 2000 psi (138 bar)                      | Up to 2000 psi (138 bar)             |
| Power Range                              | Up to 30 HP (22.4 kW)                         | Up to 30 HP (22.4 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

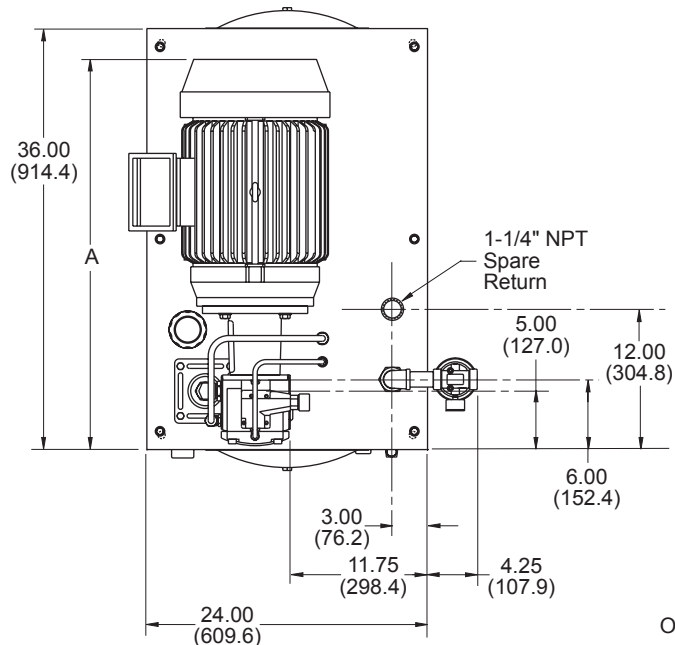
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With PVX8 Vane Pump



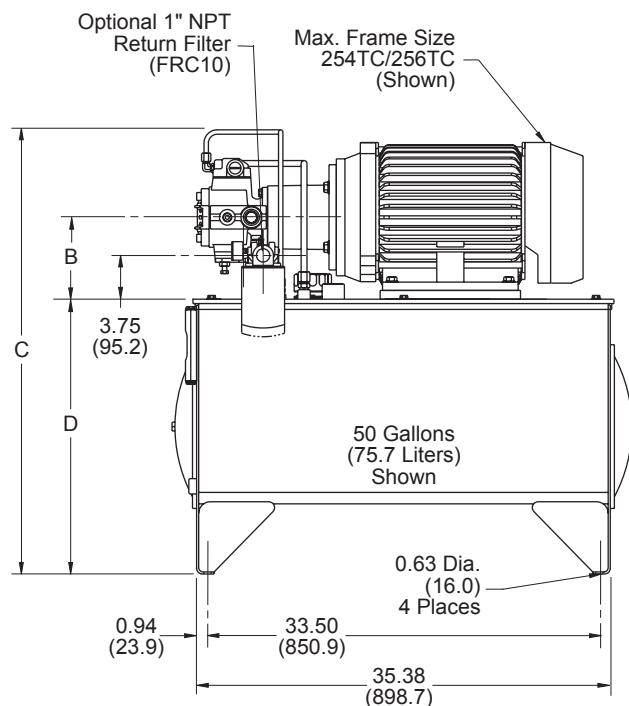
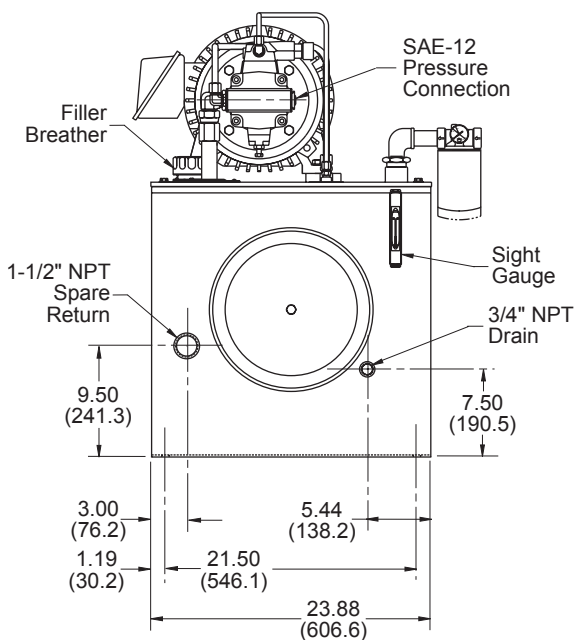
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A             | B            | C             |               |
|-------------|---------------|--------------|---------------|---------------|
|             |               |              | R35           | R50           |
| 182TC       | 23.06 (585.7) | 5.75 (146.0) | 32.63 (828.2) | 37.38 (949.5) |
| 184TC       | 24.05 (610.9) | 5.75 (146.0) | 32.63 (828.2) | 37.38 (949.5) |
| 213TC       | 26.20 (665.5) | 6.50 (165.1) | 33.38 (847.9) | 38.13 (968.5) |
| 215TC       | 27.69 (703.3) | 6.50 (165.1) | 33.38 (847.9) | 38.13 (968.5) |
| 254TC       | 31.66 (804.2) | 7.00 (177.8) | 33.88 (860.6) | 38.63 (981.2) |
| 256TC       | 33.36 (847.3) | 7.00 (177.8) | 33.88 (860.6) | 38.63 (981.2) |

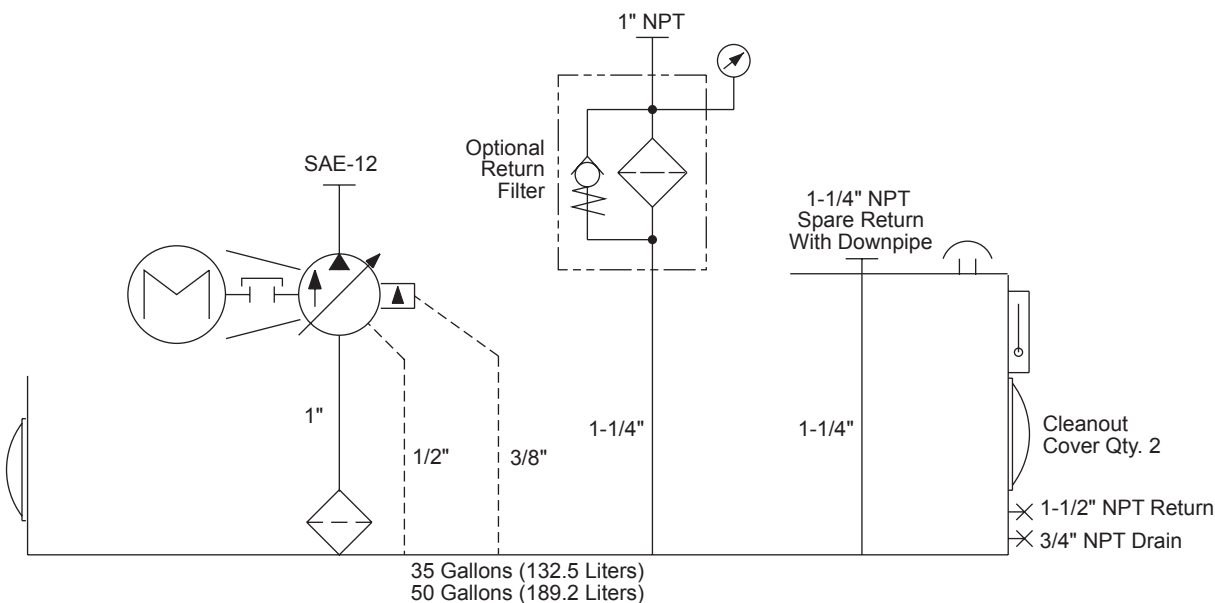
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With PVX8 Vane Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 348 lbs. (157.9 kg)                           | 385 lbs. (174.6 kg)                  |
| Usable Gallons                           | 10.46 Gal. (39.6 liters)                      | 23.31 Gal. (88.2 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 8 gpm (30.3 lpm)                        | Up to 8 gpm (30.3 lpm)               |
| Pressure Range                           | Up to 3000 psi (207 bar)                      | Up to 3000 psi (207 bar)             |
| Power Range                              | Up to 20 HP (14.9 kW)                         | Up to 20 HP (14.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

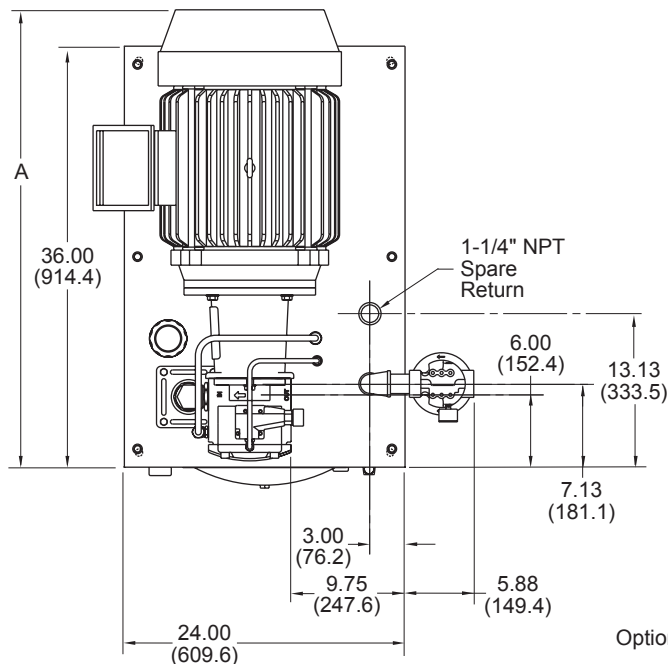
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With PVX11/15 Vane Pump



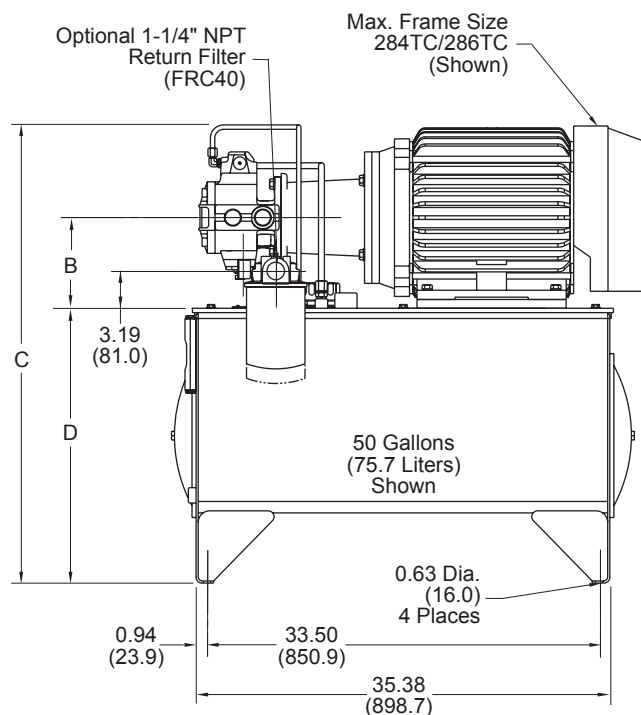
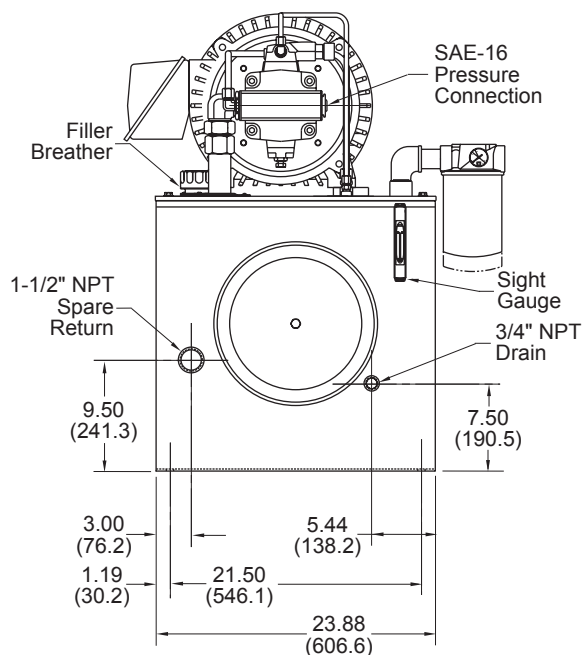
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor | A             | B            | C             |                |
|-------|---------------|--------------|---------------|----------------|
|       |               |              | R35           | R50            |
| 182TC | 24.56 (623.8) | 5.75 (146.0) | 32.63 (828.8) | 37.38 (949.5)  |
| 184TC | 25.94 (658.9) | 5.75 (146.0) | 32.63 (828.8) | 37.38 (949.5)  |
| 213TC | 28.02 (711.7) | 6.50 (165.1) | 33.38 (847.9) | 38.13 (968.5)  |
| 215TC | 29.59 (751.6) | 6.50 (165.1) | 33.38 (847.9) | 38.13 (968.5)  |
| 254TC | 33.85 (859.8) | 7.00 (177.8) | 33.88 (860.6) | 38.63 (981.2)  |
| 256TC | 35.55 (903.0) | 7.00 (177.8) | 33.88 (860.6) | 38.63 (981.2)  |
| 284TC | 37.35 (948.7) | 7.75 (196.8) | 34.63 (879.6) | 39.38 (1000.3) |
| 286TC | 38.85 (986.8) | 7.75 (196.8) | 34.63 (879.6) | 39.38 (1000.3) |

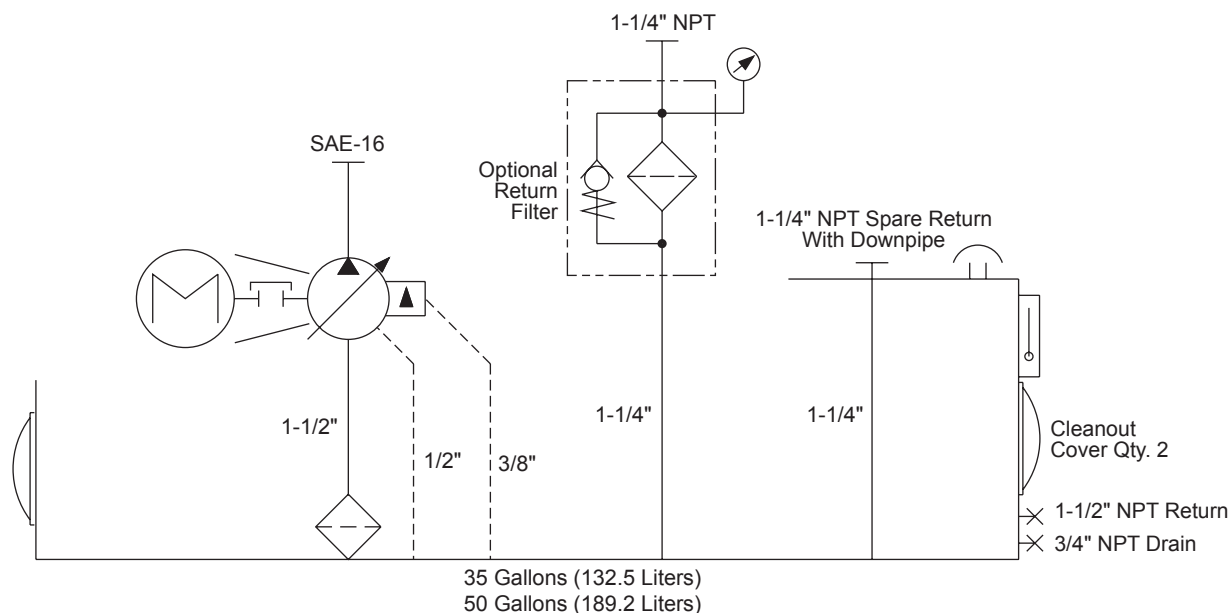
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With PVX11/15 Vane Pump



| GENERAL SPECIFICATIONS                   | R35                                   | R50                                  |
|------------------------------------------|---------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )  | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x ΔT / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 360 lbs. (163.3 kg)                   | 398 lbs. (180.5 kg)                  |
| Usable Gallons                           | 7.90 Gal. (29.9 liters)               | 19.72 Gal. (74.6 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)               | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)             | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)             | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)              | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                       |                                      |
| Flow Range                               | Up to 15 gpm (56.8 lpm)               | Up to 15 gpm (56.8 lpm)              |
| Pressure Range                           | Up to 3000 psi (207 bar)              | Up to 3000 psi (207 bar)             |
| Power Range                              | Up to 30 HP (22.4 kW)                 | Up to 30 HP (22.4 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

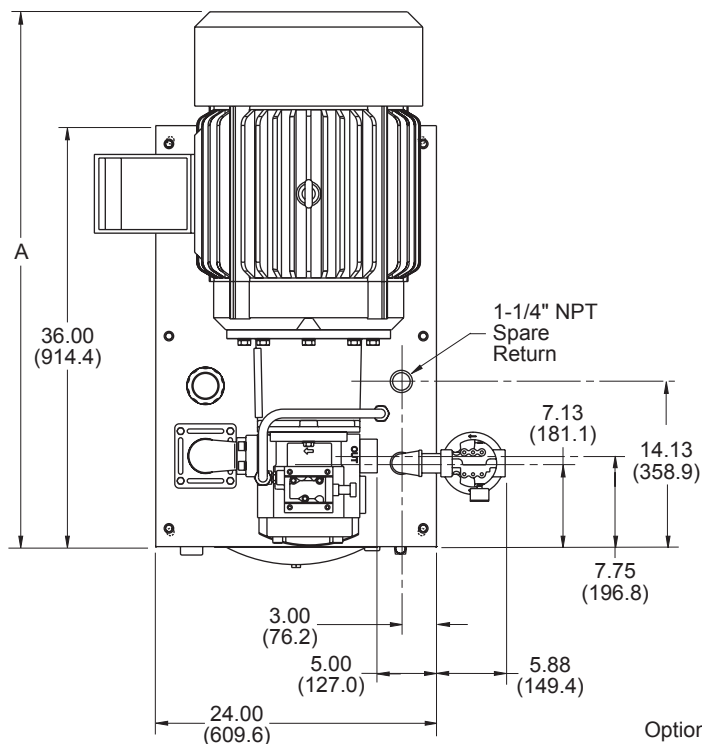
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With PVX20/29/36 Vane Pump



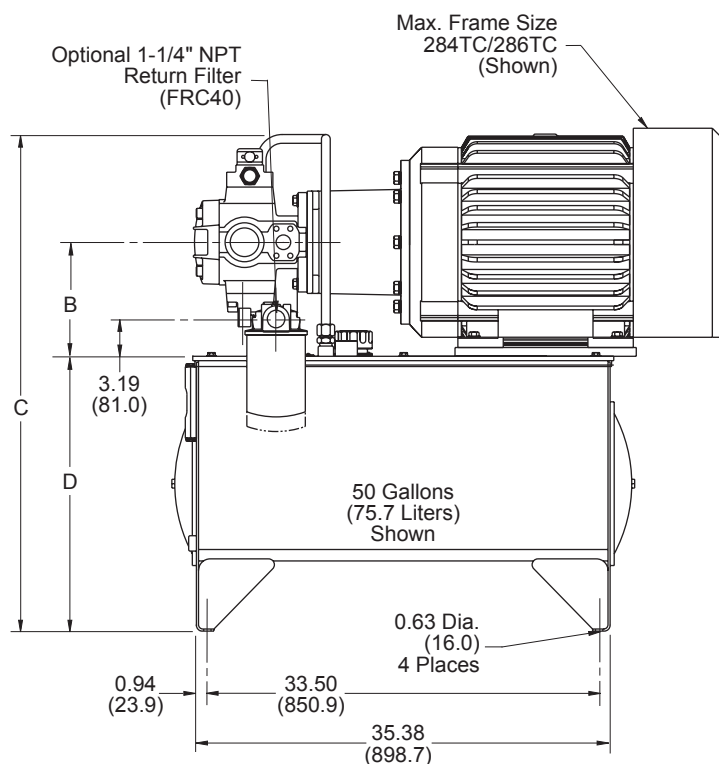
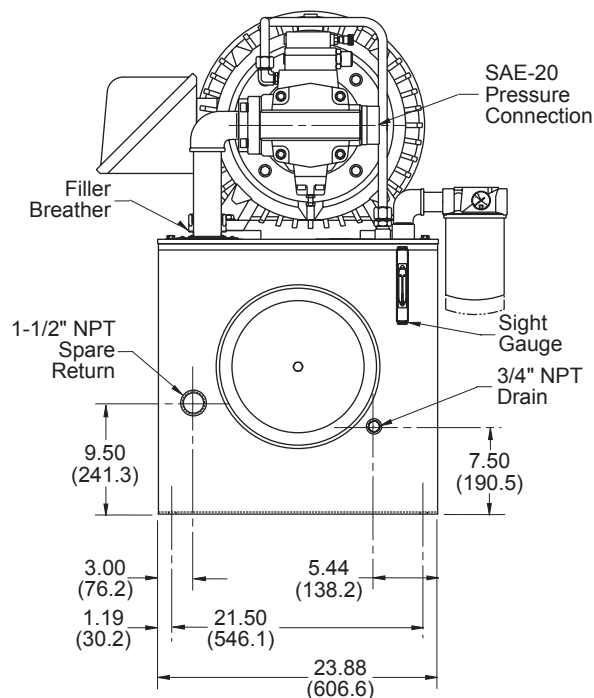
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor | A              | B            | C             |                |
|-------|----------------|--------------|---------------|----------------|
|       |                |              | R35           | R50            |
| 254TC | 36.07 (916.2)  | 7.00 (177.8) | 36.00 (914.4) | 40.75 (1035.0) |
| 256TC | 37.77 (959.4)  | 7.00 (177.8) | 36.00 (914.4) | 40.75 (1035.0) |
| 284TC | 39.57 (1005.1) | 7.75 (196.8) | 36.75 (933.4) | 41.50 (1054.1) |
| 286TC | 41.07 (1043.2) | 7.75 (196.8) | 36.75 (933.4) | 41.50 (1054.1) |
| 324TC | 42.61 (1082.3) | 8.75 (222.2) | 37.75 (958.8) | 42.50 (1079.5) |
| 326TC | 42.61 (1082.3) | 8.75 (222.2) | 37.75 (958.8) | 42.50 (1079.5) |
| 364TC | 46.11 (1171.2) | 9.75 (247.6) | 38.75 (984.2) | 43.50 (1104.9) |
| 365TC | 46.11 (1171.2) | 9.75 (247.6) | 38.75 (984.2) | 43.50 (1104.9) |

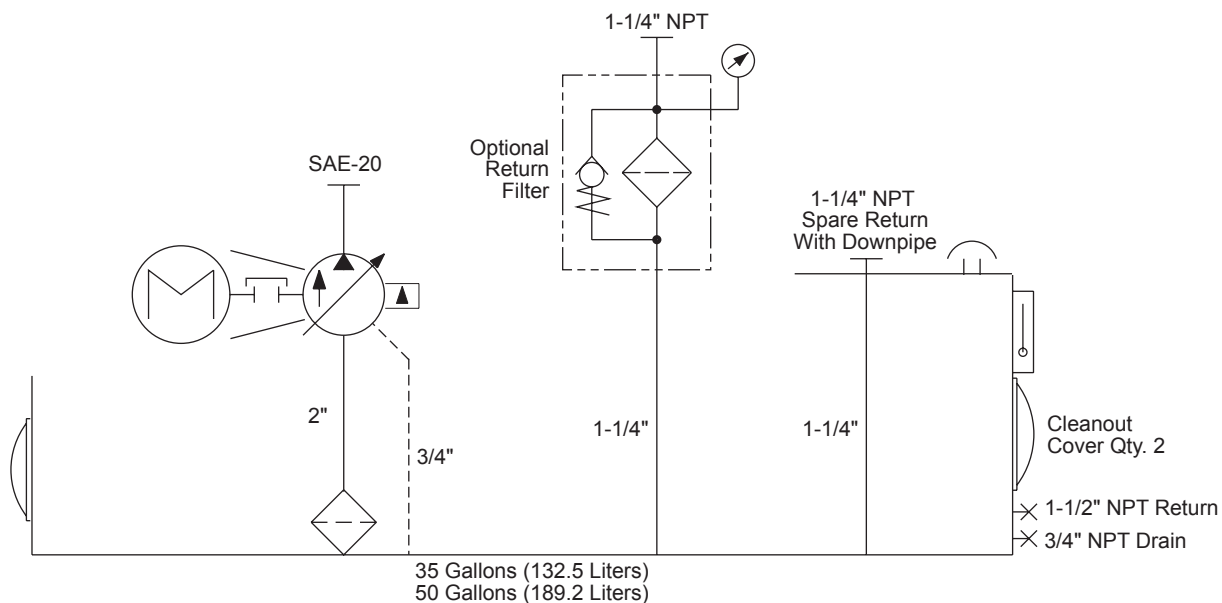
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With PVX20/29/36 Vane Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 365 lbs. (165.6 kg)                           | 403 lbs. (182.8 kg)                  |
| Usable Gallons                           | 6.95 Gal. (26.3 liters)                       | 18.72 Gal. (70.9 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 36 gpm (136.2 lpm)                      | Up to 36 gpm (136.2 lpm)             |
| Pressure Range                           | Up to 3000 psi (207 bar)                      | Up to 3000 psi (207 bar)             |
| Power Range                              | Up to 75 HP (55.9 kW)                         | Up to 75 HP (55.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

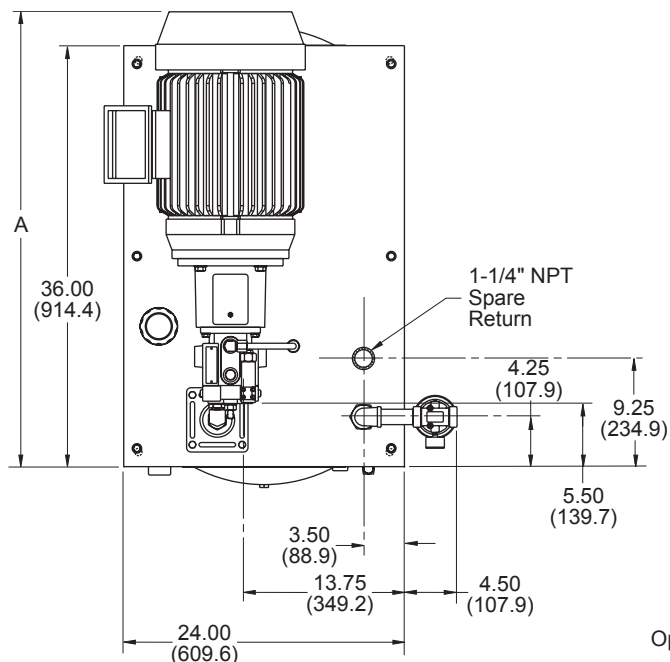
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With HPV6 Piston Pump



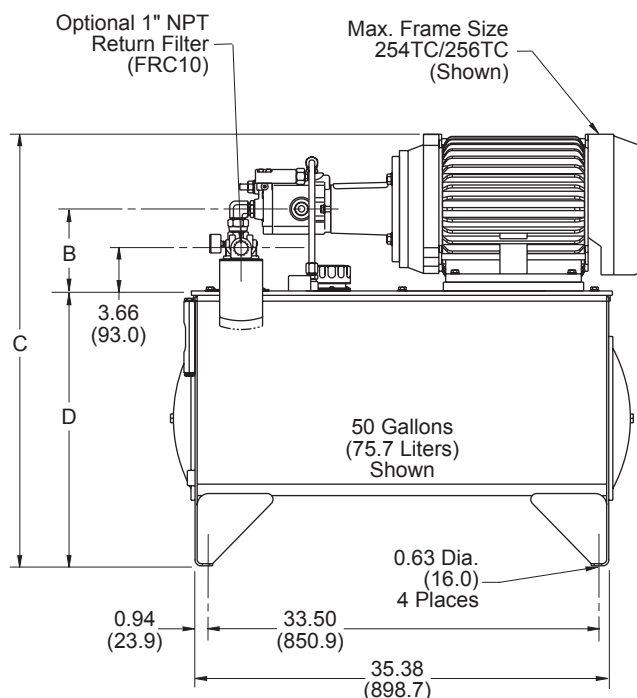
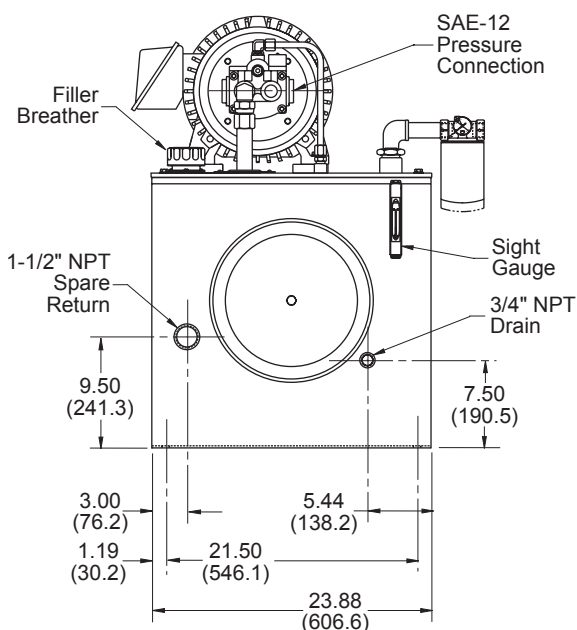
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A             | B            | C             |               |
|-------------|---------------|--------------|---------------|---------------|
|             |               |              | R35           | R50           |
| 182TC       | 29.10 (739.1) | 5.75 (146.0) | 29.40 (746.8) | 34.19 (868.4) |
| 184TC       | 30.09 (764.3) | 5.75 (146.0) | 29.40 (746.8) | 34.19 (868.4) |
| 213TC       | 32.24 (818.9) | 6.50 (165.1) | 30.88 (784.4) | 35.63 (905.0) |
| 215TC       | 33.73 (856.7) | 6.50 (165.1) | 30.88 (784.4) | 35.63 (905.0) |
| 254TC       | 37.70 (957.6) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1) |
| 256TC       | 39.32 (998.7) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1) |

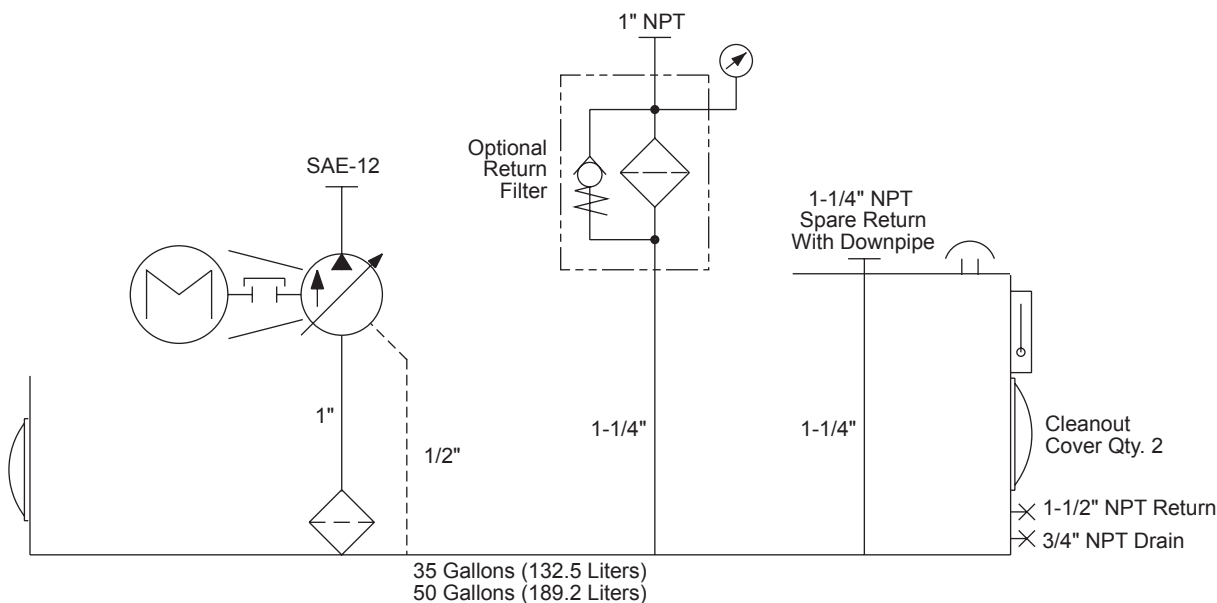
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With HPV6 Piston Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 348 lbs. (157.9 kg)                           | 385 lbs. (174.6 kg)                  |
| Usable Gallons                           | 10.46 Gal. (39.6 liters)                      | 23.31 Gal. (88.2 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 8 gpm (30.3 lpm)                        | Up to 8 gpm (30.3 lpm)               |
| Pressure Range                           | Up to 3000 psi (207 bar)                      | Up to 3000 psi (207 bar)             |
| Power Range                              | Up to 20 HP (14.9 kW)                         | Up to 20 HP (14.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

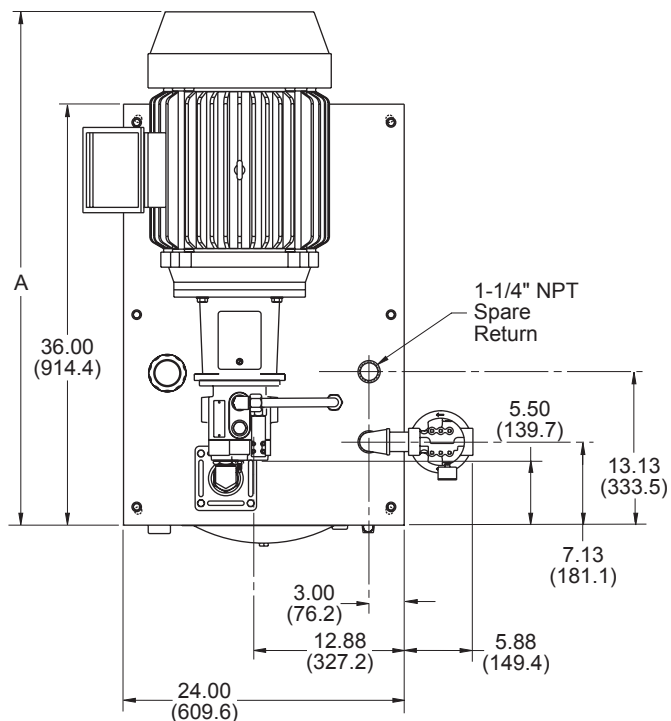
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With HPV10 Piston Pump



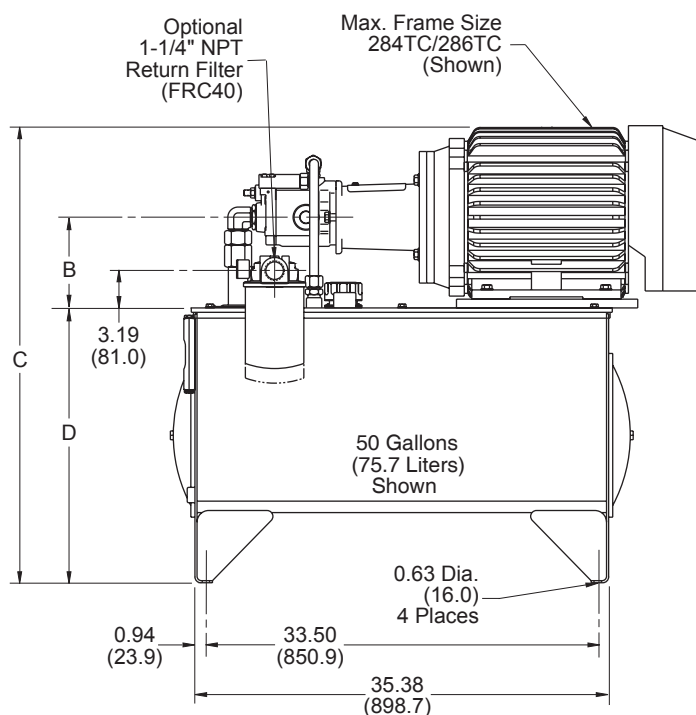
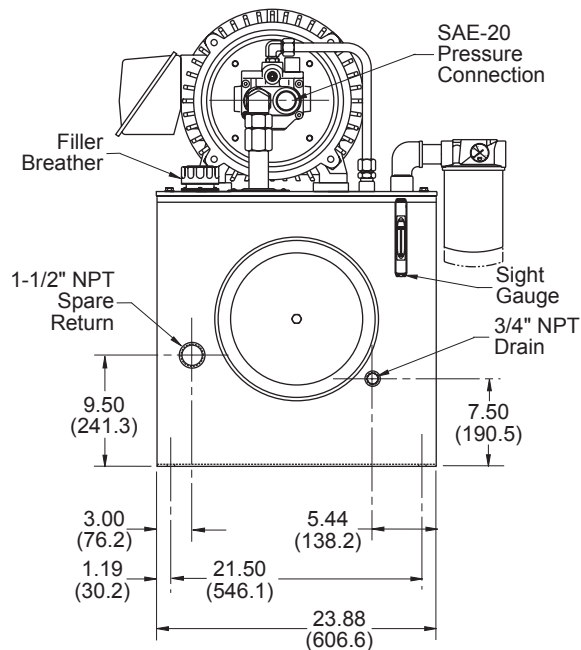
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor | A              | B            | C             |               |
|-------|----------------|--------------|---------------|---------------|
|       |                |              | R35           | R50           |
| 182TC | 29.76 (755.9)  | 5.75 (146.0) | 29.40 (746.8) | 34.19 (868.4) |
| 184TC | 30.75 (781.0)  | 5.75 (146.0) | 29.40 (746.8) | 34.19 (868.4) |
| 213TC | 33.28 (845.3)  | 6.50 (165.1) | 30.88 (784.4) | 35.63 (905.0) |
| 215TC | 34.77 (883.2)  | 6.50 (165.1) | 30.88 (784.4) | 35.63 (905.0) |
| 254TC | 39.11 (993.4)  | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1) |
| 256TC | 40.81 (1036.6) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1) |
| 284TC | 42.61 (1082.3) | 7.75 (196.8) | 33.38 (847.9) | 38.63 (981.2) |
| 286TC | 43.11 (1095.0) | 7.75 (196.8) | 33.38 (847.9) | 38.63 (981.2) |

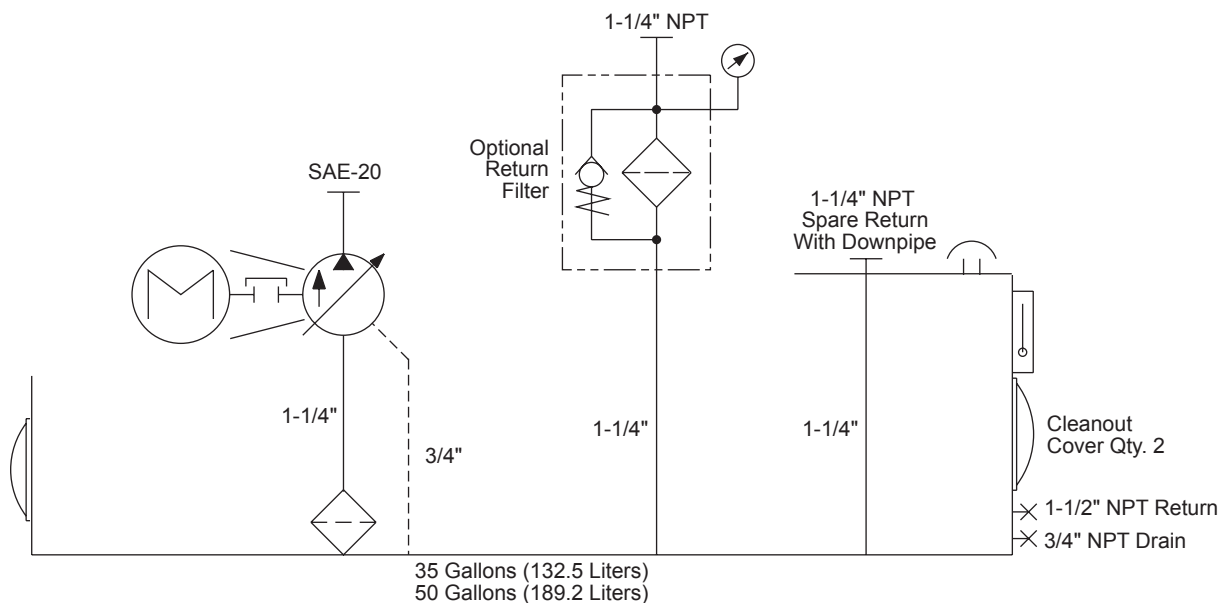
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With HPV10 Piston Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 360 lbs. (163.3 kg)                           | 398 lbs. (180.5 kg)                  |
| Usable Gallons                           | 7.90 Gal. (29.9 liters)                       | 19.72 Gal. (74.6 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 10 gpm (37.8 lpm)                       | Up to 10 gpm (37.8 lpm)              |
| Pressure Range                           | Up to 3500 psi (241 bar)                      | Up to 3500 psi (241 bar)             |
| Power Range                              | Up to 30 HP (22.4 kW)                         | Up to 30 HP (22.4 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

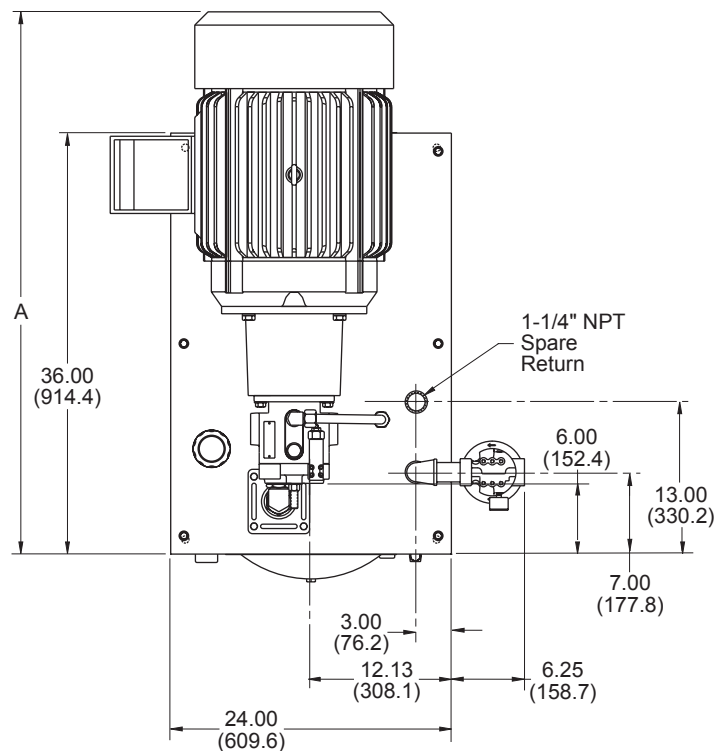
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With HPV15 Piston Pump



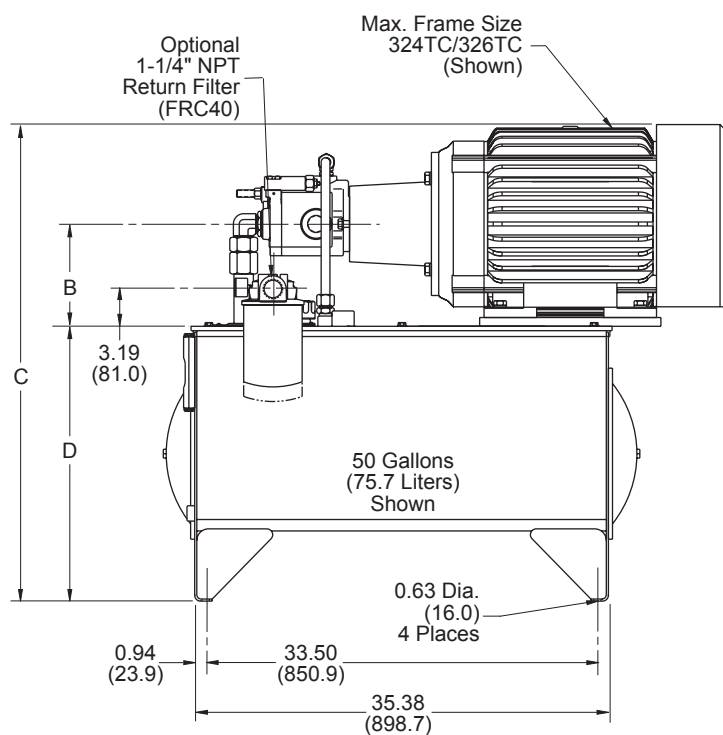
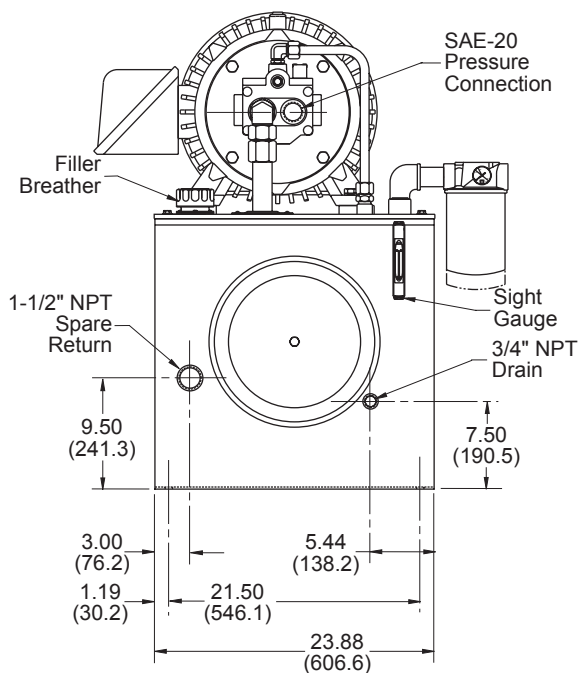
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor | A              | B            | C             |                |
|-------|----------------|--------------|---------------|----------------|
|       |                |              | R35           | R50            |
| 254TC | 40.30 (1023.6) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1)  |
| 256TC | 42.00 (1066.8) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1)  |
| 284TC | 43.80 (1112.5) | 7.75 (196.8) | 33.88 (860.6) | 38.63 (981.2)  |
| 286TC | 45.30 (1150.6) | 7.75 (196.8) | 33.88 (860.6) | 38.63 (981.2)  |
| 324TC | 46.84 (1189.7) | 8.75 (222.2) | 35.85 (910.6) | 40.60 (1031.2) |
| 326TC | 46.84 (1189.7) | 8.75 (222.2) | 35.85 (910.6) | 40.60 (1031.2) |

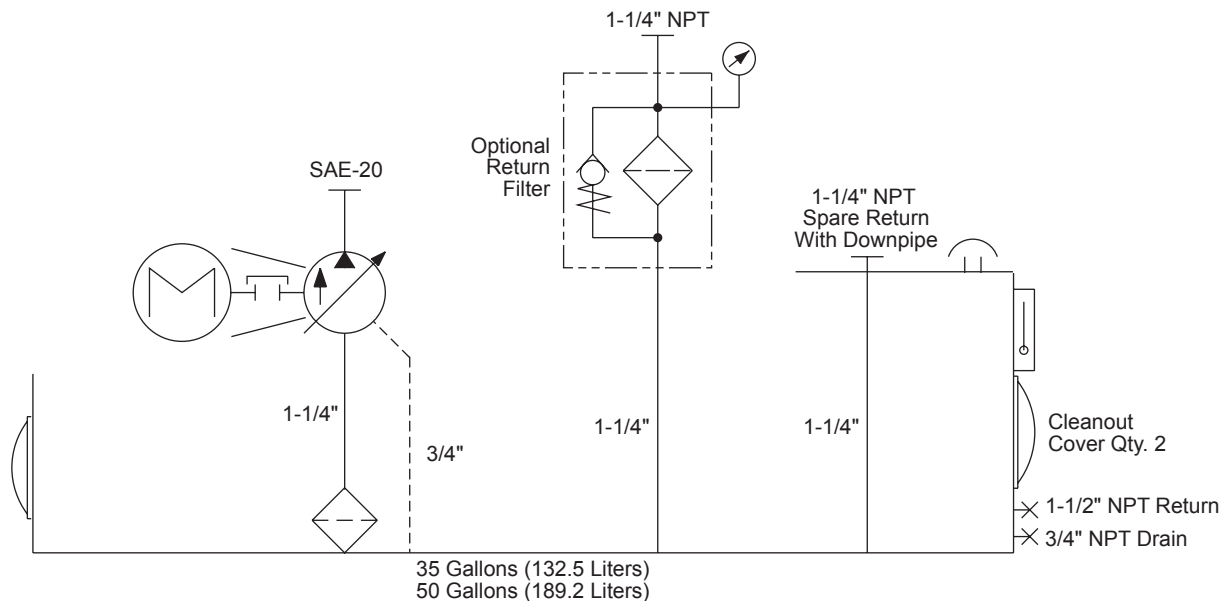
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With HPV15 Piston Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 363 lbs. (164.7 kg)                           | 403 lbs. (182.8 kg)                  |
| Usable Gallons                           | 7.90 Gal. (29.9 liters)                       | 19.72 Gal. (74.6 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 20 gpm (75.7 lpm)                       | Up to 20 gpm (75.7 lpm)              |
| Pressure Range                           | Up to 3500 psi (241 bar)                      | Up to 3500 psi (241 bar)             |
| Power Range                              | Up to 50 HP (37.3 kW)                         | Up to 50 HP (37.3 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

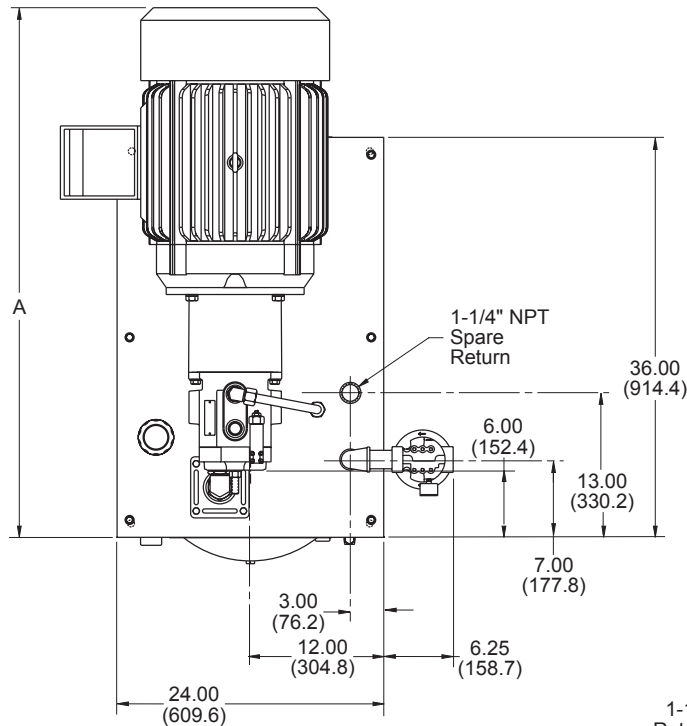
# NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Dimension Drawing - With HPV20 Piston Pump



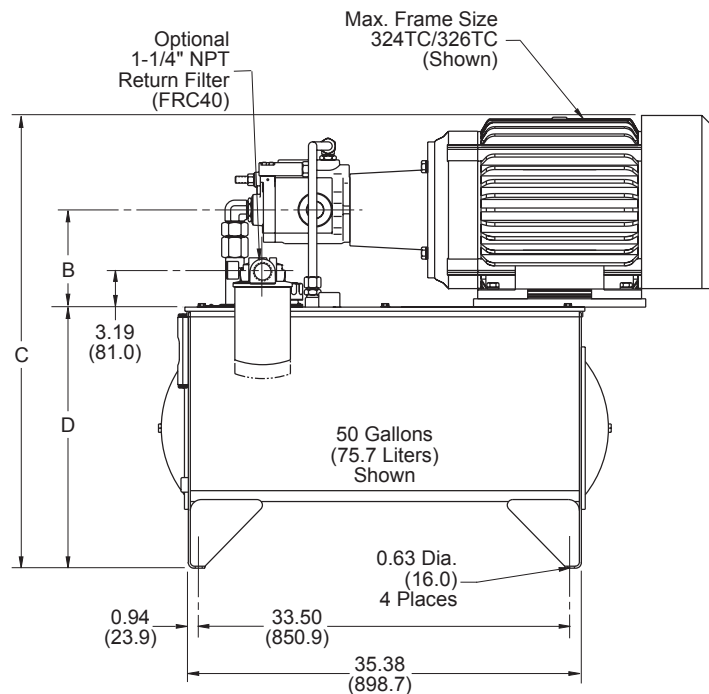
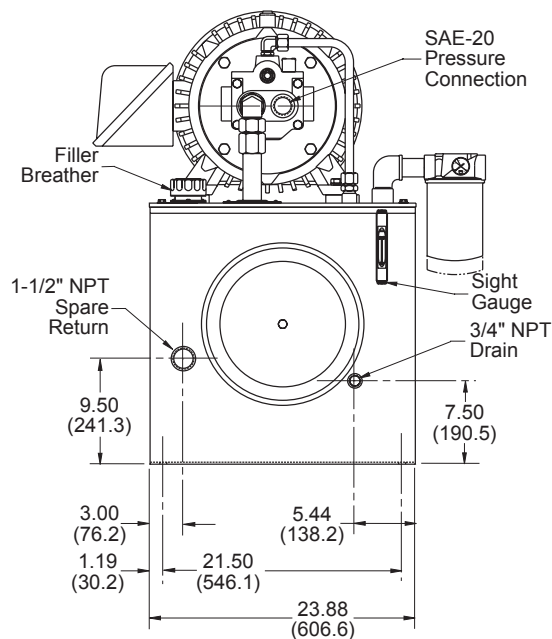
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor | A              | B            | C             |                |
|-------|----------------|--------------|---------------|----------------|
|       |                |              | R35           | R50            |
| 254TC | 41.09 (1043.7) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1)  |
| 256TC | 42.79 (1086.9) | 7.00 (177.8) | 32.38 (822.5) | 37.13 (943.1)  |
| 284TC | 44.59 (1132.6) | 7.75 (196.8) | 33.88 (860.6) | 38.63 (981.2)  |
| 286TC | 46.09 (1170.7) | 7.75 (196.8) | 33.88 (860.6) | 38.63 (981.2)  |
| 324TC | 47.63 (1209.8) | 8.75 (222.2) | 35.85 (910.6) | 40.60 (1031.2) |
| 326TC | 47.63 (1209.8) | 8.75 (222.2) | 35.85 (910.6) | 40.60 (1031.2) |

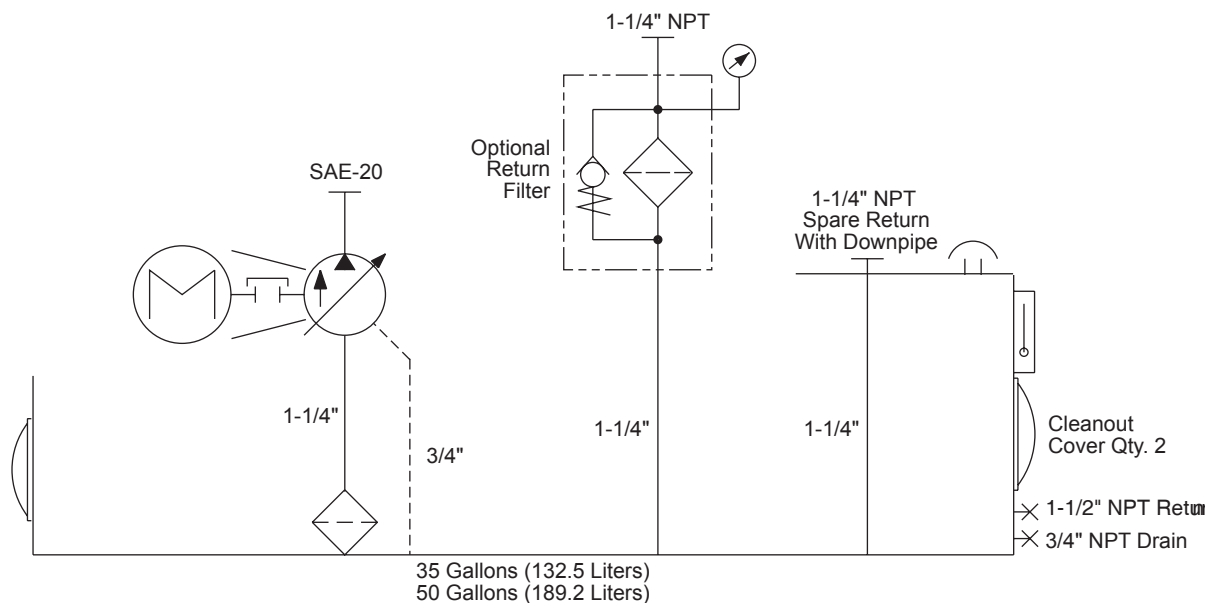
| D             |               |
|---------------|---------------|
| R35           | R50           |
| 18.75 (476.2) | 23.50 (596.9) |



## NFPA/JIC Style Power Units

35/50 GALLON CAPACITY

Schematic and Specifications - With HPV20 Piston Pump



| GENERAL SPECIFICATIONS                   | R35                                           | R50                                  |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 35 Gal. (132.5 liters)                        | 50 Gal. (189.2 liters)               |
| Surface Area For Heat Transfer           | 13.44 sq. ft. (1.25 m <sup>2</sup> )          | 17.27 sq. ft. (1.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 366 lbs. (166.0 kg)                           | 409 lbs. (185.2 kg)                  |
| Usable Gallons                           | 6.95 Gal. (26.3 liters)                       | 18.72 Gal. (70.9 liters)             |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       | 3.49 Gal. (13.2 liters)              |
| Capacity, Full to Top Plate              | 40.65 Gal. (153.9 liters)                     | 57.18 Gal. (216.4 liters)            |
| Capacity, High on Sight Gauge            | 33.56 Gal. (127.0 liters)                     | 50.21 Gal. (190.0 liters)            |
| Capacity, Low on Sight Gauge             | 23.10 Gal. (87.4 liters)                      | 39.75 Gal. (150.4 liters)            |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 20 gpm (75.7 lpm)                       | Up to 20 gpm (75.7 lpm)              |
| Pressure Range                           | Up to 3500 psi (241 bar)                      | Up to 3500 psi (241 bar)             |
| Power Range                              | Up to 50 HP (37.3 kW)                         | Up to 50 HP (37.3 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

# NFPA/JIC Style Power Units

50 GALLON CAPACITY

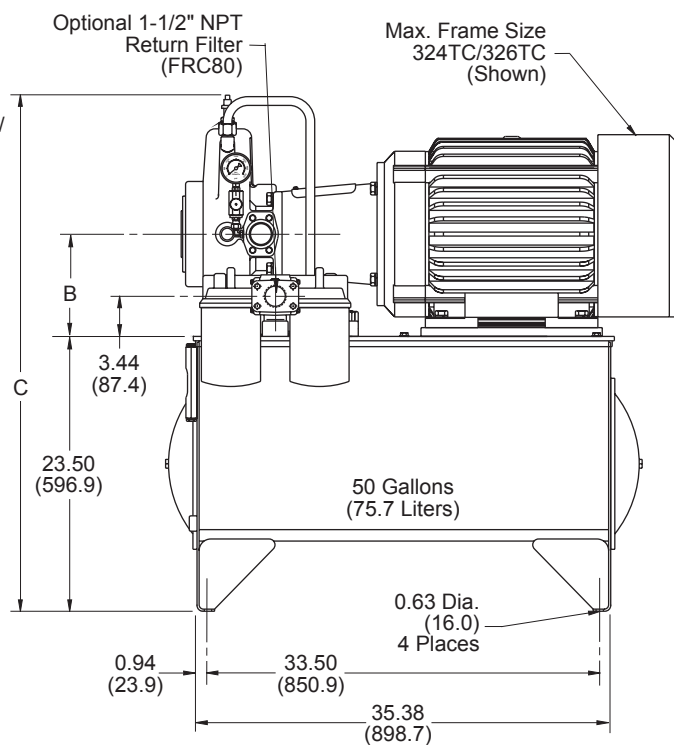
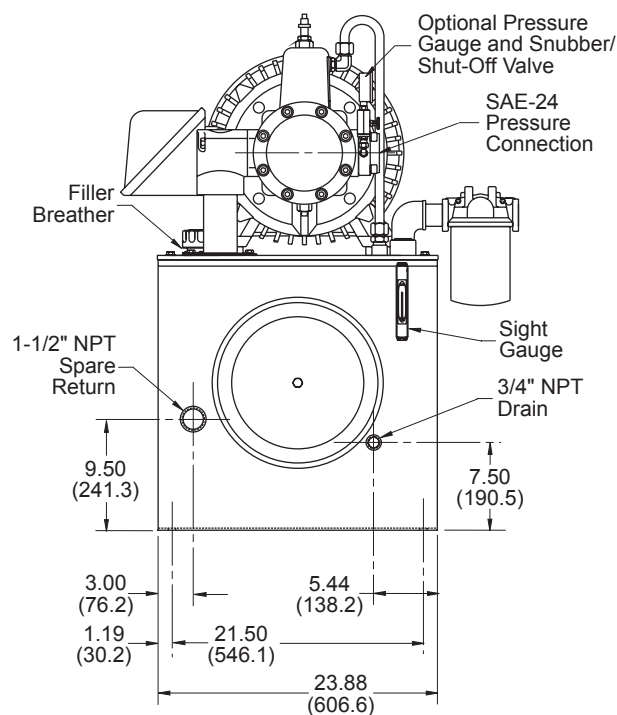
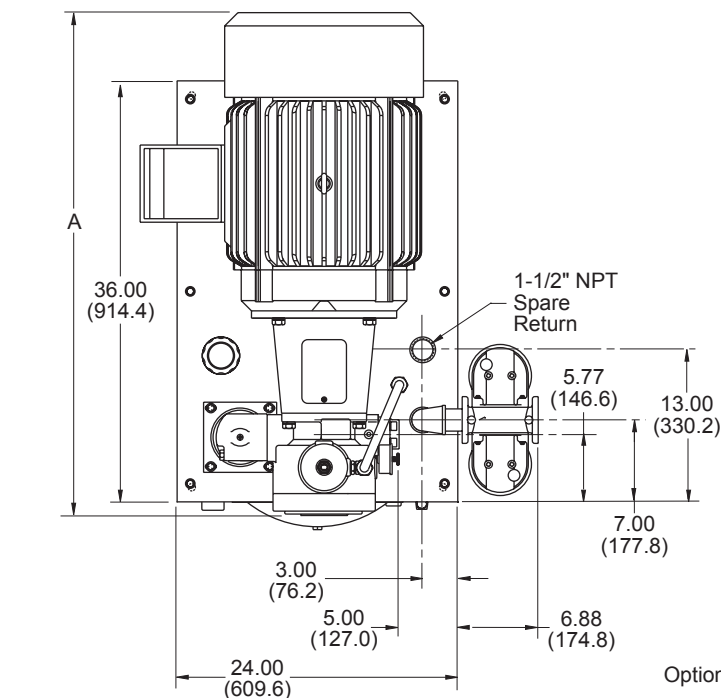
Dimension Drawing - With PVR50 Vane Pump



Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))

## Dimensions

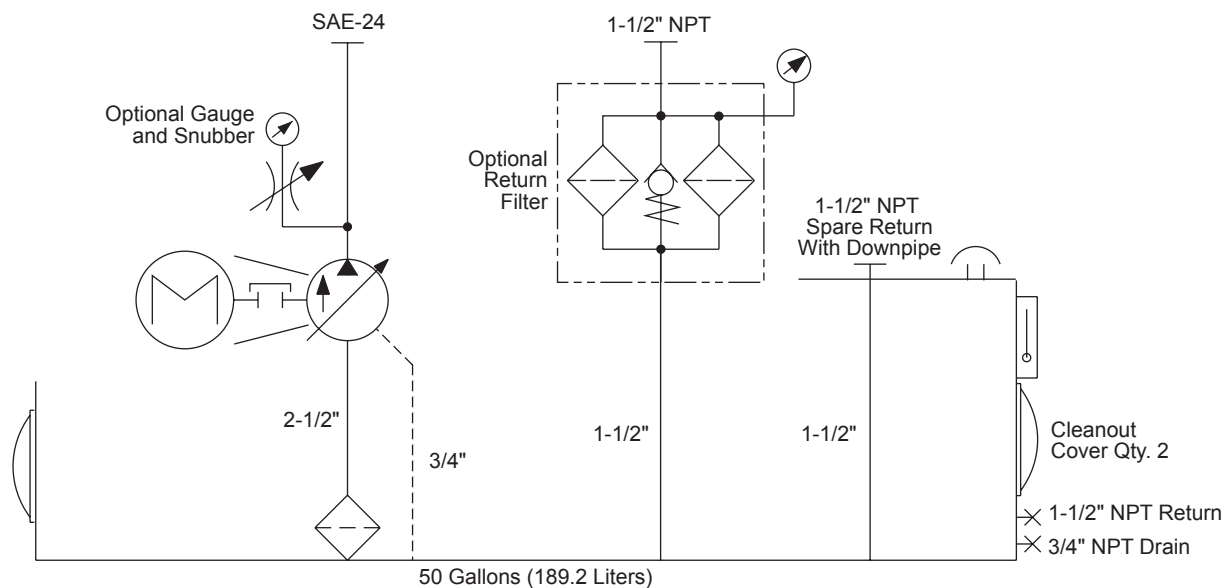
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 35.48 (901.2)  | 7.00 (177.8) | 42.41 (1077.2) |
| 256TC       | 37.18 (944.4)  | 7.00 (177.8) | 42.41 (1077.2) |
| 284TC       | 39.11 (993.4)  | 7.75 (196.8) | 43.16 (1096.3) |
| 286TC       | 40.61 (1031.5) | 7.75 (196.8) | 43.16 (1096.3) |
| 324TC       | 42.52 (1080.0) | 8.75 (222.2) | 44.16 (1121.7) |
| 326TC       | 42.52 (1080.0) | 8.75 (222.2) | 44.16 (1121.7) |



# NFPA/JIC Style Power Units

50 GALLON CAPACITY

Schematic and Specifications - With PVR50 Vane Pump



| GENERAL SPECIFICATIONS                   | R50                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 50 Gal. (189.2 liters)                        |
| Surface Area For Heat Transfer           | 17.27 sq. ft. (1.60 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 455 lbs. (206.4 kg)                           |
| Usable Gallons                           | 14.07 Gal. (26.3 liters)                      |
| Gallons Per Inch Rise                    | 3.49 Gal. (13.2 liters)                       |
| Capacity, Full to Top Plate              | 57.18 Gal. (216.4 liters)                     |
| Capacity, High on Sight Gauge            | 50.21 Gal. (190.0 liters)                     |
| Capacity, Low on Sight Gauge             | 39.75 Gal. (150.4 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 70 gpm (264.9 lpm)                      |
| Pressure Range                           | Up to 2000 psi (138 bar)                      |
| Power Range                              | Up to 50 HP (37.3 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

# NFPA/JIC Style Power Units

70 GALLON CAPACITY

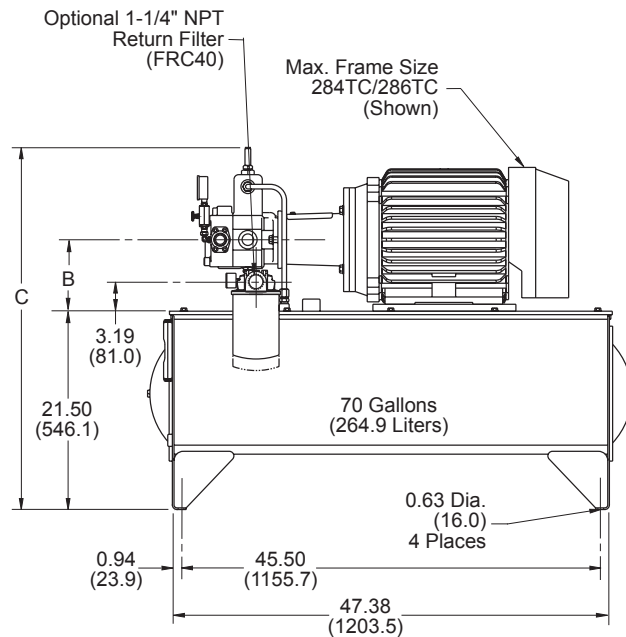
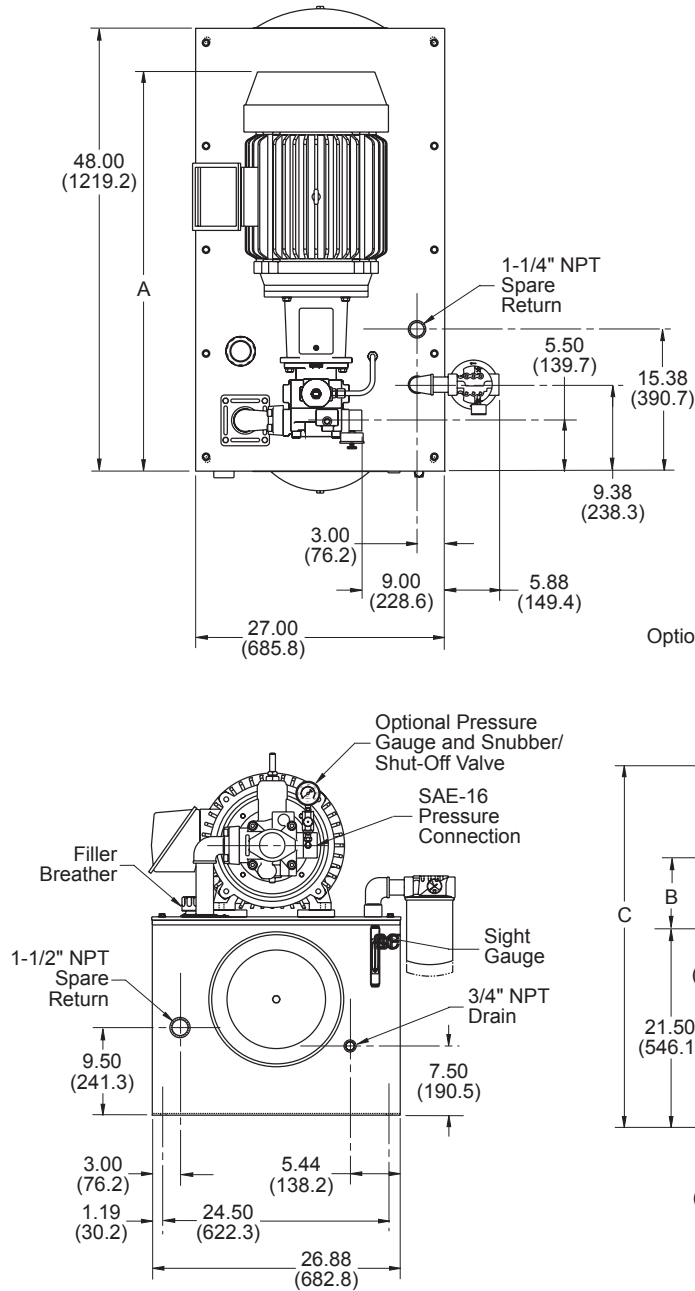
Dimension Drawing - With PVR15 Vane Pump



Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))

## Dimensions

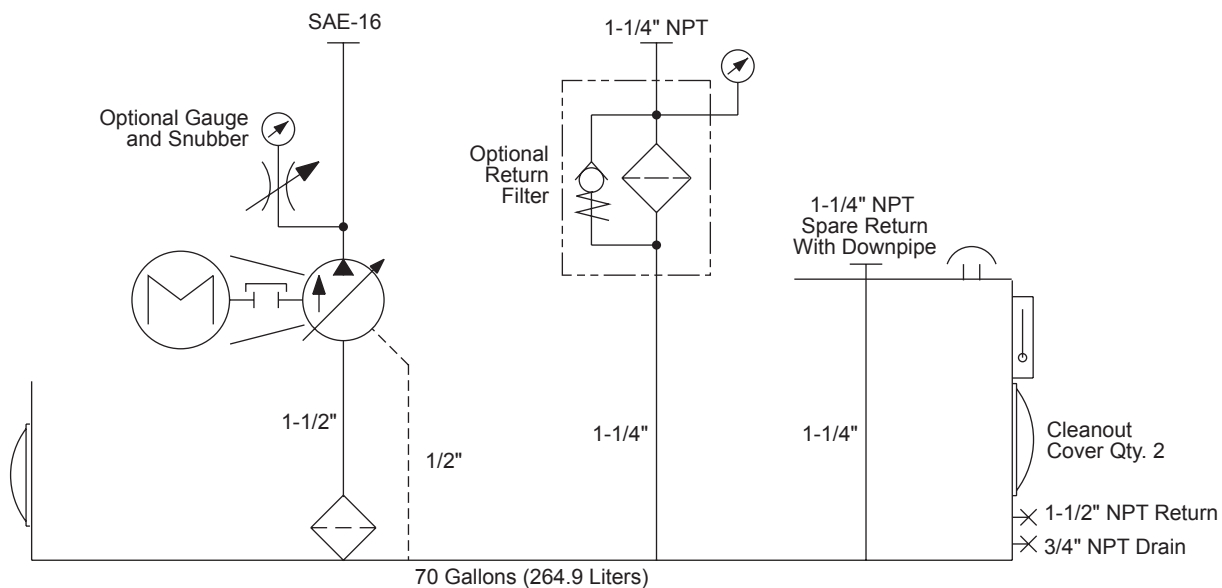
| Motor Frame | A              | B            | C             |
|-------------|----------------|--------------|---------------|
| 182TC       | 29.18 (741.2)  | 5.75 (146.0) | 37.25 (946.1) |
| 184TC       | 30.17 (766.3)  | 5.75 (146.0) | 37.25 (946.1) |
| 213TC       | 32.20 (817.9)  | 6.50 (165.1) | 38.00 (965.2) |
| 215TC       | 33.69 (855.7)  | 6.50 (165.1) | 38.00 (965.2) |
| 254TC       | 38.03 (966.0)  | 7.00 (177.8) | 38.50 (977.9) |
| 256TC       | 39.73 (1009.1) | 7.00 (177.8) | 38.50 (977.9) |
| 284TC       | 41.53 (1054.9) | 7.75 (196.8) | 39.25 (996.9) |
| 286TC       | 43.03 (1093.0) | 7.75 (196.8) | 39.25 (996.9) |



# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Schematic and Specifications - With PVR15 Vane Pump



| GENERAL SPECIFICATIONS                   | R70                                   |
|------------------------------------------|---------------------------------------|
| Reservoir Capacity                       | 70 Gal. (254.9 liters)                |
| Surface Area For Heat Transfer           | 21.16 sq. ft. (1.97 m <sup>2</sup> )  |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x ΔT / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 510 lbs. (231.3 kg)                   |
| Usable Gallons                           | 18.68 Gal. (70.7 liters)              |
| Gallons Per Inch Rise                    | 5.29 Gal. (20.0 liters)               |
| Capacity, Full to Top Plate              | 75.89 Gal. (287.2 liters)             |
| Capacity, High on Sight Gauge            | 65.75 Gal. (248.9 liters)             |
| Capacity, Low on Sight Gauge             | 48.75 Gal. (184.5 liters)             |
| <b>Pump Data*</b>                        |                                       |
| Flow Range                               | Up to 30 gpm (113.5 lpm)              |
| Pressure Range                           | Up to 2000 psi (138 bar)              |
| Power Range                              | Up to 30 HP (22.4 kW)                 |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

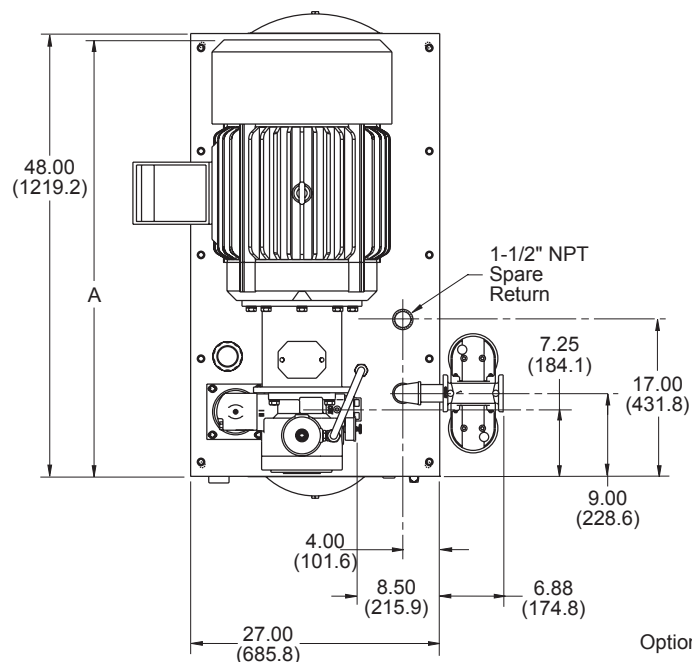
# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Dimension Drawing - With PVR50 Vane Pump

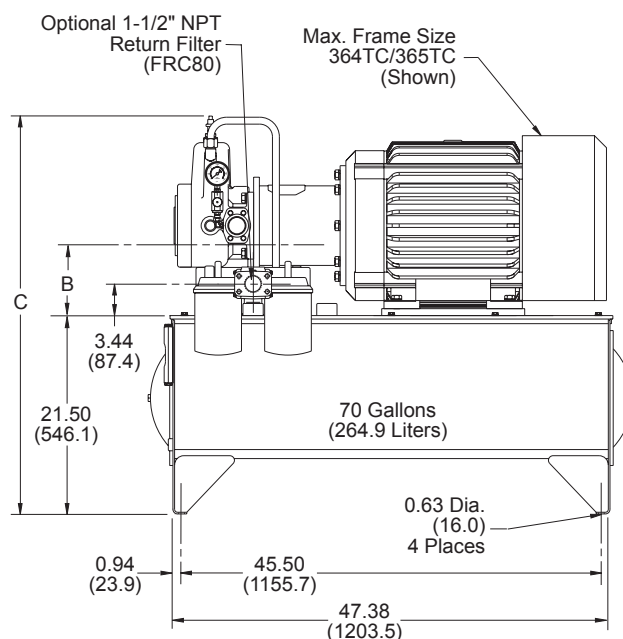
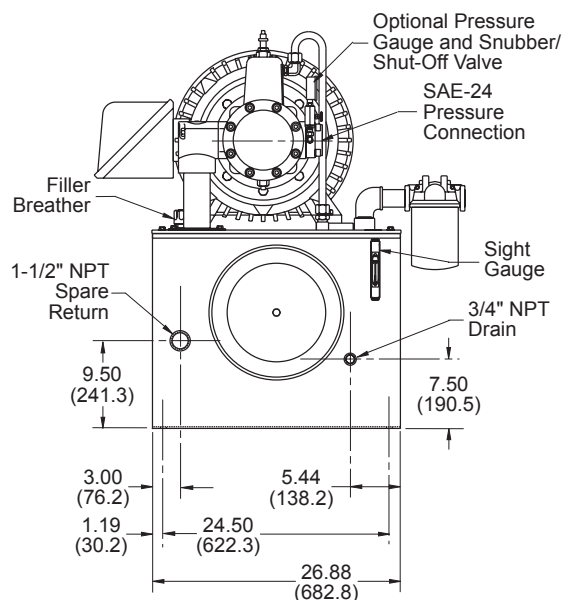


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



Dimensions

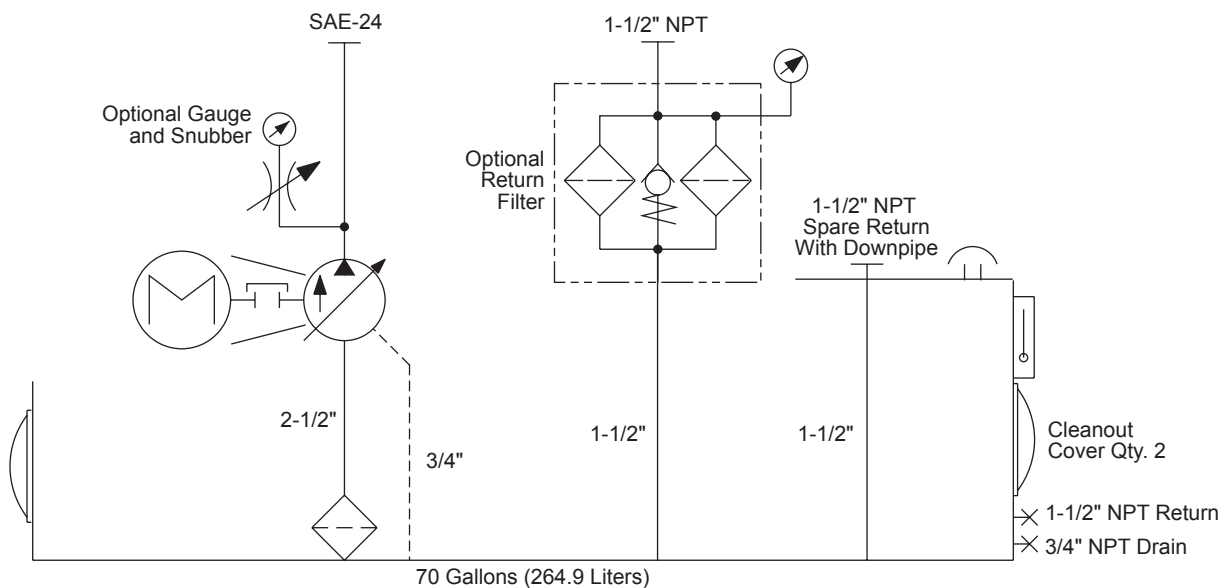
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 36.21 (919.7)  | 7.00 (177.8) | 40.41 (1026.4) |
| 256TC       | 37.91 (962.9)  | 7.00 (177.8) | 40.41 (1026.4) |
| 284TC       | 39.84 (1011.9) | 7.75 (196.8) | 41.46 (1053.1) |
| 286TC       | 41.34 (1050.0) | 7.75 (196.8) | 41.46 (1053.1) |
| 324TC       | 43.25 (1098.5) | 8.75 (222.2) | 42.16 (1070.9) |
| 326TC       | 43.25 (1098.5) | 8.75 (222.2) | 42.16 (1070.9) |
| 364TC       | 46.88 (1190.8) | 9.75 (247.6) | 43.16 (1096.3) |
| 365TC       | 46.88 (1190.8) | 9.75 (247.6) | 43.16 (1096.3) |



## NFPA/JIC Style Power Units

70 GALLON CAPACITY

Schematic and Specifications - With PVR50 Vane Pump



| GENERAL SPECIFICATIONS                   | R70                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 70 Gal. (254.9 liters)                        |
| Surface Area For Heat Transfer           | 21.16 sq. ft. (1.97 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 570 lbs. (258.6 kg)                           |
| Usable Gallons                           | 10.12 Gal. (38.3 liters)                      |
| Gallons Per Inch Rise                    | 5.29 Gal. (20.0 liters)                       |
| Capacity, Full to Top Plate              | 75.89 Gal. (287.2 liters)                     |
| Capacity, High on Sight Gauge            | 65.75 Gal. (248.9 liters)                     |
| Capacity, Low on Sight Gauge             | 48.75 Gal. (184.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 70 gpm (254.9 lpm)                      |
| Pressure Range                           | Up to 2000 psi (138 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

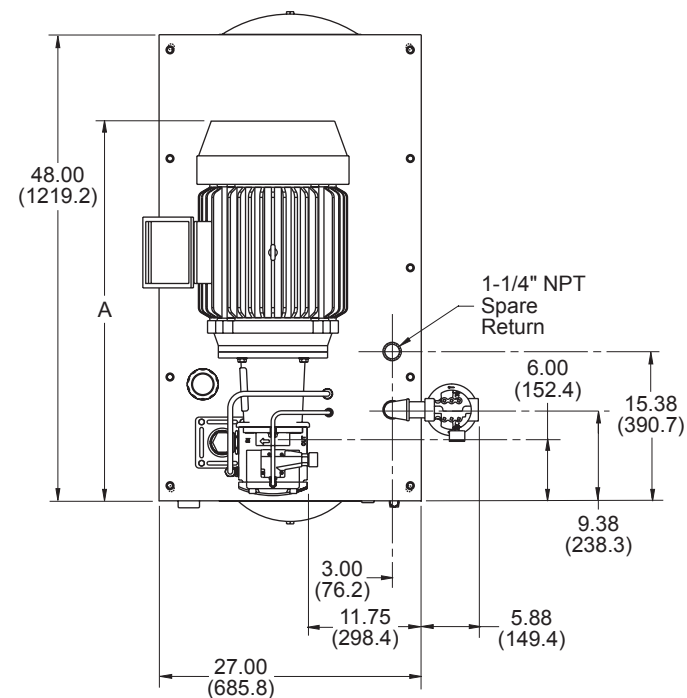
# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Dimension Drawing - With PVX11/15 Vane Pump

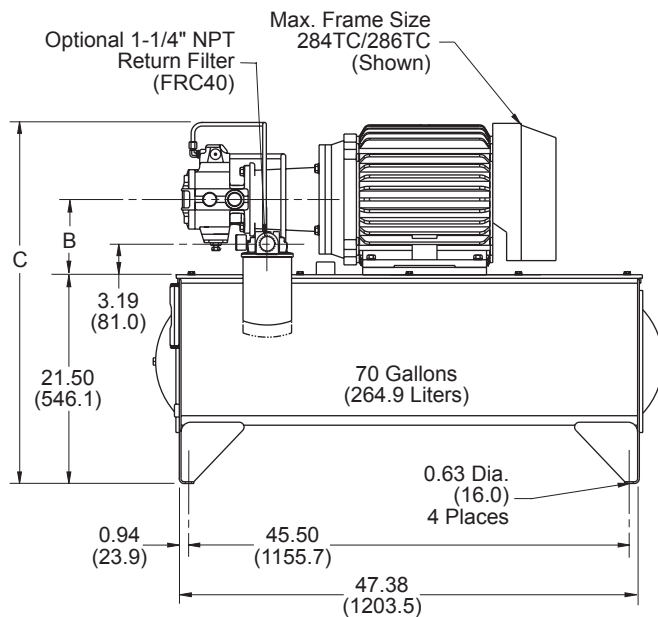
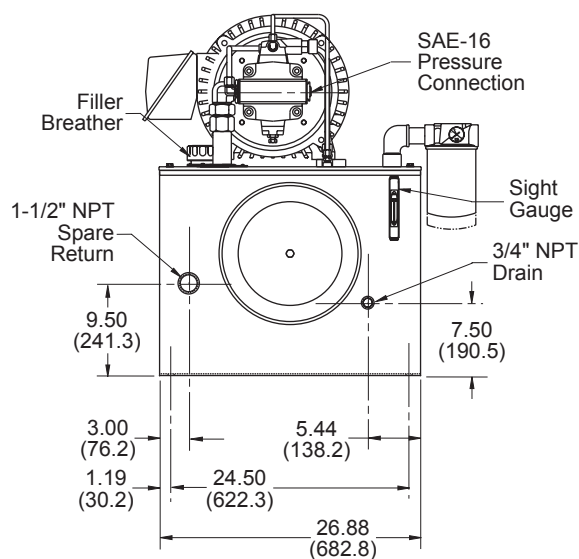


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

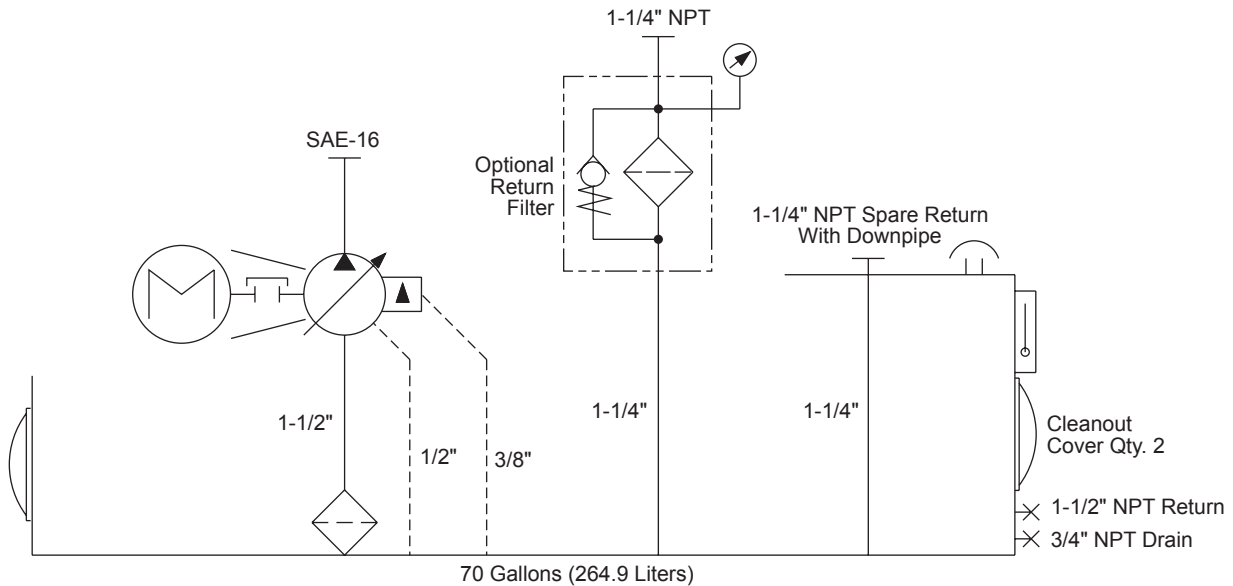
| Motor Frame | A             | B            | C             |
|-------------|---------------|--------------|---------------|
| 182TC       | 24.50 (622.3) | 5.75 (146.0) | 35.75 (908.0) |
| 184TC       | 25.49 (647.4) | 5.75 (146.0) | 35.75 (908.0) |
| 213TC       | 28.02 (711.7) | 6.50 (165.1) | 36.50 (927.1) |
| 215TC       | 29.51 (749.6) | 6.50 (165.1) | 36.50 (927.1) |
| 254TC       | 33.85 (859.8) | 7.00 (177.8) | 37.00 (939.8) |
| 256TC       | 33.55 (852.2) | 7.00 (177.8) | 37.00 (939.8) |
| 284TC       | 37.35 (948.7) | 7.75 (196.8) | 37.75 (958.8) |
| 286TC       | 38.85 (986.8) | 7.75 (196.8) | 37.75 (958.8) |



# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Schematic and Specifications - With PVX11/15 Vane Pump



| GENERAL SPECIFICATIONS                   | R70                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 70 Gal. (254.9 liters)                        |
| Surface Area For Heat Transfer           | 21.16 sq. ft. (1.97 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 509 lbs. (230.9 kg)                           |
| Usable Gallons                           | 18.68 Gal. (70.7 liters)                      |
| Gallons Per Inch Rise                    | 5.29 Gal. (20.0 liters)                       |
| Capacity, Full to Top Plate              | 75.89 Gal. (287.2 liters)                     |
| Capacity, High on Sight Gauge            | 65.75 Gal. (248.9 liters)                     |
| Capacity, Low on Sight Gauge             | 48.75 Gal. (184.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 15 gpm (56.8 lpm)                       |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 30 HP (22.4 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

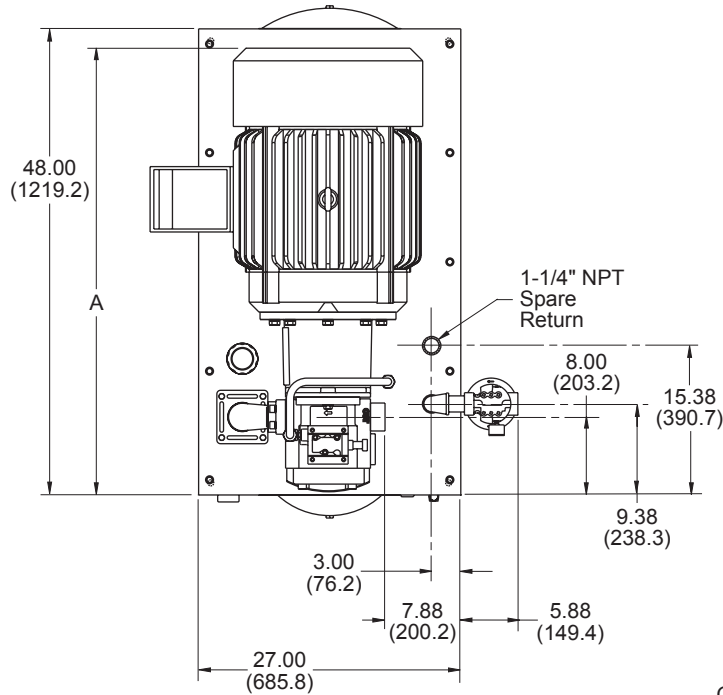
# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Dimension Drawing - With PVX20/29/36 Vane Pump

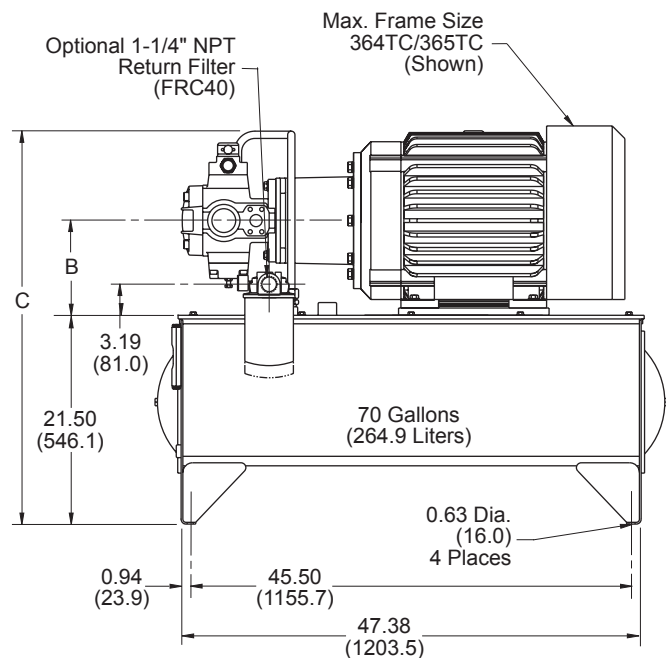
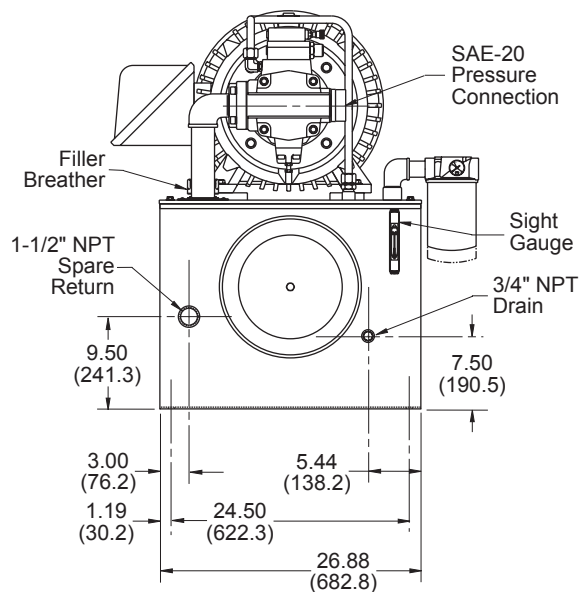


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

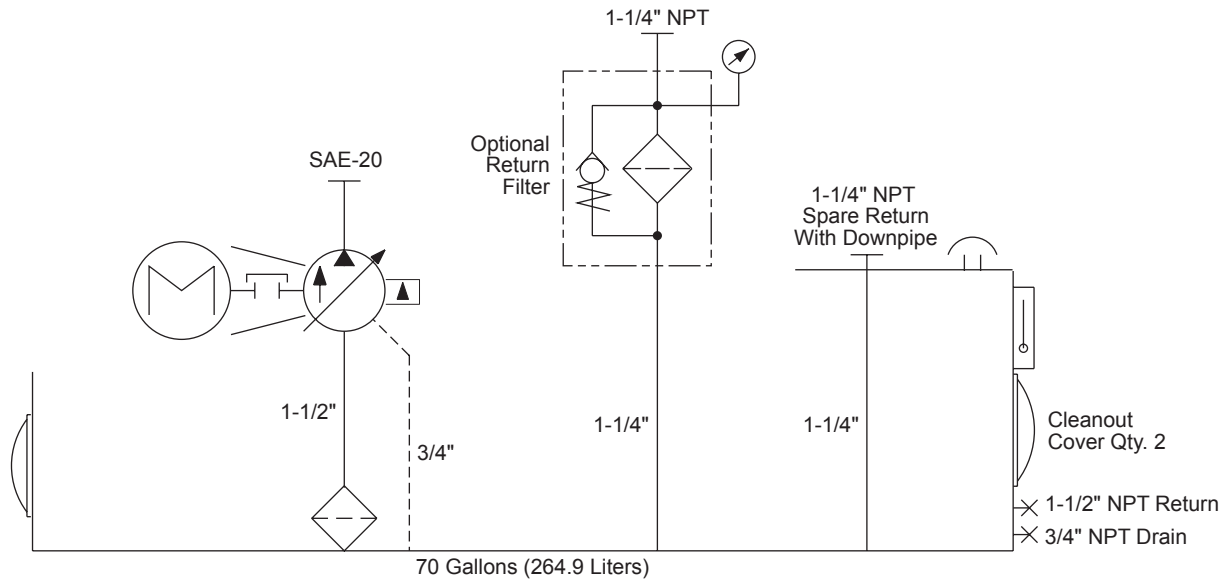
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 213TC       | 30.49 (774.4)  | 6.50 (165.1) | 38.25 (971.5)  |
| 215TC       | 31.98 (812.3)  | 6.50 (165.1) | 38.25 (971.5)  |
| 254TC       | 36.32 (922.5)  | 7.00 (177.8) | 38.75 (984.2)  |
| 256TC       | 38.02 (965.7)  | 7.00 (177.8) | 38.75 (984.2)  |
| 284TC       | 39.82 (1011.4) | 7.75 (196.8) | 39.50 (1003.3) |
| 286TC       | 41.32 (1049.5) | 7.75 (196.8) | 39.50 (1003.3) |
| 324TC       | 42.86 (1088.6) | 8.75 (222.2) | 40.50 (1028.7) |
| 326TC       | 42.86 (1088.6) | 8.75 (222.2) | 40.50 (1028.7) |
| 364TC       | 46.36 (1177.5) | 9.75 (247.6) | 41.50 (1054.1) |
| 365TC       | 46.36 (1177.5) | 9.75 (247.6) | 41.50 (1054.1) |



## NFPA/JIC Style Power Units

70 GALLON CAPACITY

Schematic and Specifications - With PVX20/29/36 Vane Pump



| GENERAL SPECIFICATIONS                   | R70                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 70 Gal. (254.9 liters)                        |
| Surface Area For Heat Transfer           | 21.16 sq. ft. (1.97 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 515 lbs. (233.6 kg)                           |
| Usable Gallons                           | 17.50 Gal. (66.2 liters)                      |
| Gallons Per Inch Rise                    | 5.29 Gal. (20.0 liters)                       |
| Capacity, Full to Top Plate              | 75.89 Gal. (287.2 liters)                     |
| Capacity, High on Sight Gauge            | 65.75 Gal. (248.9 liters)                     |
| Capacity, Low on Sight Gauge             | 48.75 Gal. (184.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 36 gpm (136.3 lpm)                      |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

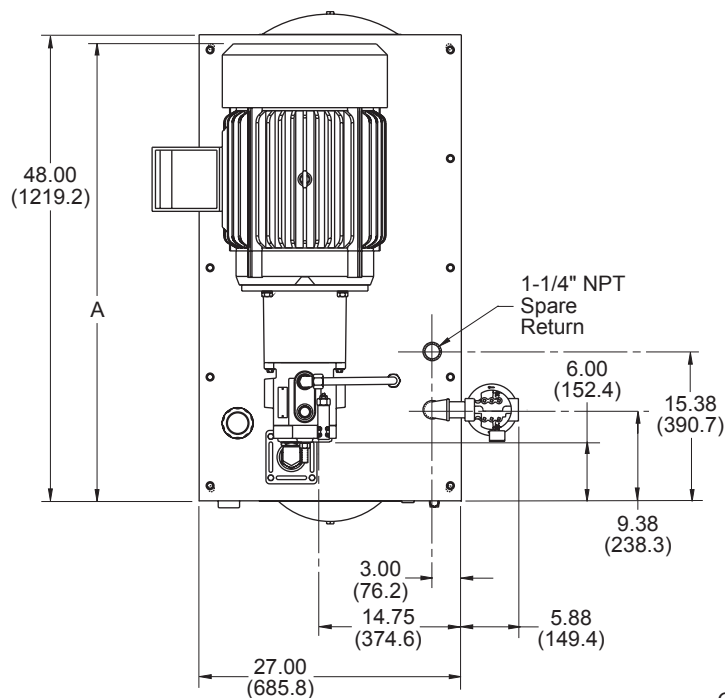
# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Dimension Drawing - With HPV20 Piston Pump

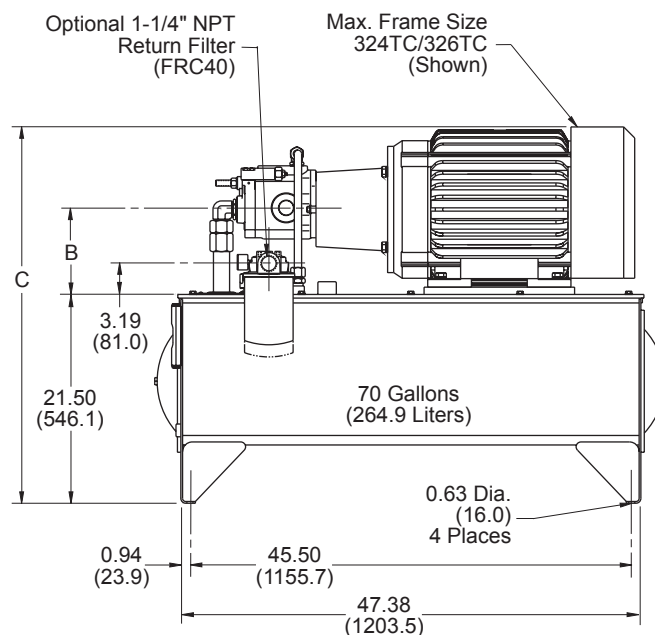
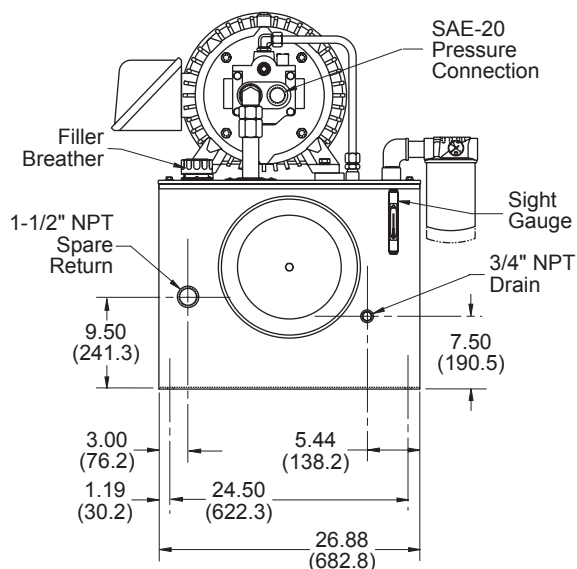


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

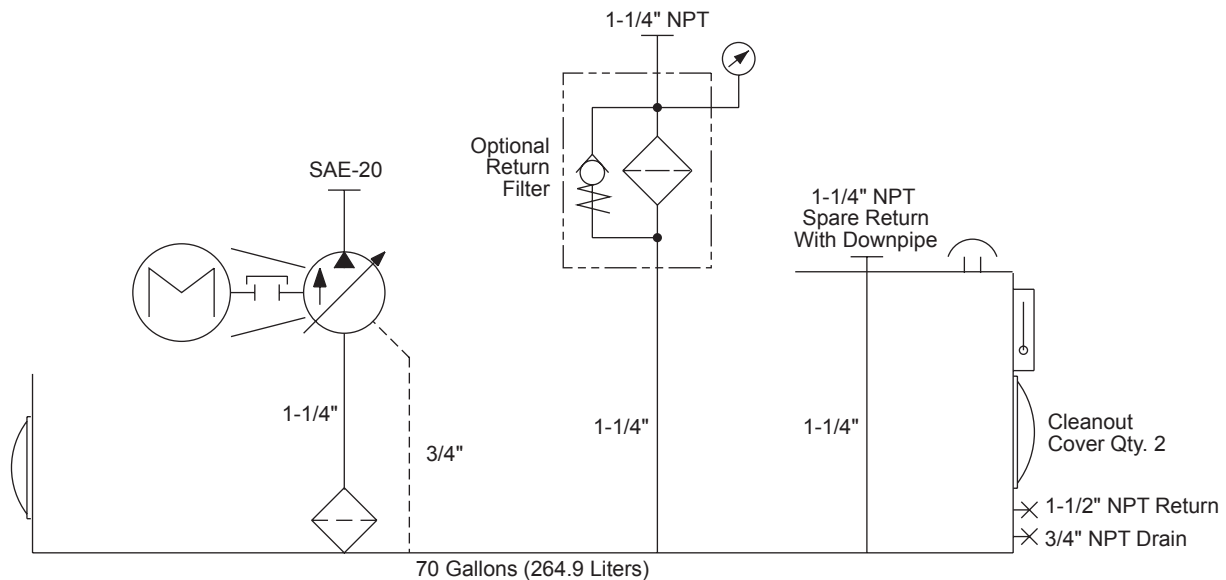
| Motor Frame | A              | B            | C             |
|-------------|----------------|--------------|---------------|
| 254TC       | 41.09 (1043.7) | 7.00 (177.8) | 35.13 (892.3) |
| 256TC       | 42.79 (1086.9) | 7.00 (177.8) | 35.13 (892.3) |
| 284TC       | 44.59 (1132.6) | 7.75 (196.8) | 36.63 (930.4) |
| 286TC       | 46.09 (1170.7) | 7.75 (196.8) | 36.63 (930.4) |
| 324TC       | 47.63 (1209.8) | 8.75 (222.2) | 38.60 (980.4) |
| 326TC       | 47.63 (1209.8) | 8.75 (222.2) | 38.60 (980.4) |



# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Schematic and Specifications - With HPV20 Piston Pump



| GENERAL SPECIFICATIONS                   | R70                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 70 Gal. (254.9 liters)                        |
| Surface Area For Heat Transfer           | 21.16 sq. ft. (1.97 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 515 lbs. (233.6 kg)                           |
| Usable Gallons                           | 17.50 Gal. (66.2 liters)                      |
| Gallons Per Inch Rise                    | 5.29 Gal. (20.0 liters)                       |
| Capacity, Full to Top Plate              | 75.89 Gal. (287.2 liters)                     |
| Capacity, High on Sight Gauge            | 65.75 Gal. (248.9 liters)                     |
| Capacity, Low on Sight Gauge             | 48.75 Gal. (184.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 20 gpm (75.7 lpm)                       |
| Pressure Range                           | Up to 3500 psi (241 bar)                      |
| Power Range                              | Up to 50 HP (37.3 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

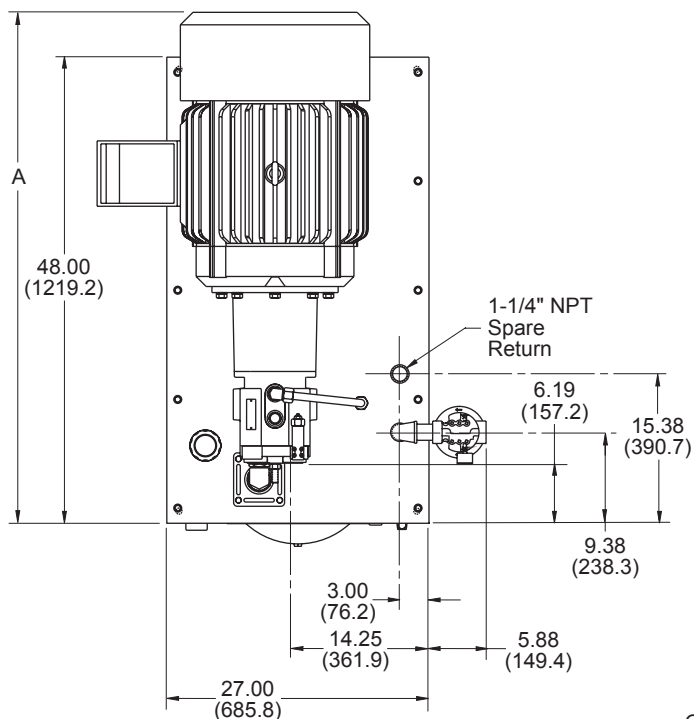
# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Dimension Drawing - With HPV29 Piston Pump

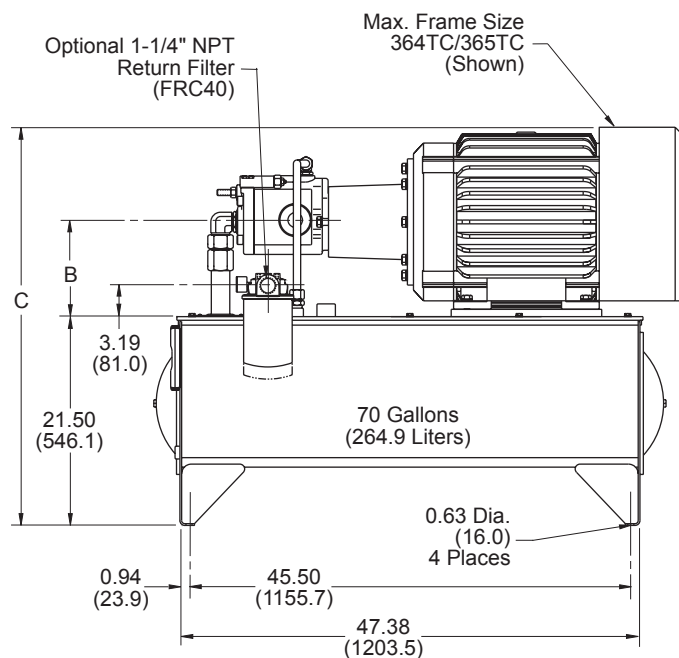
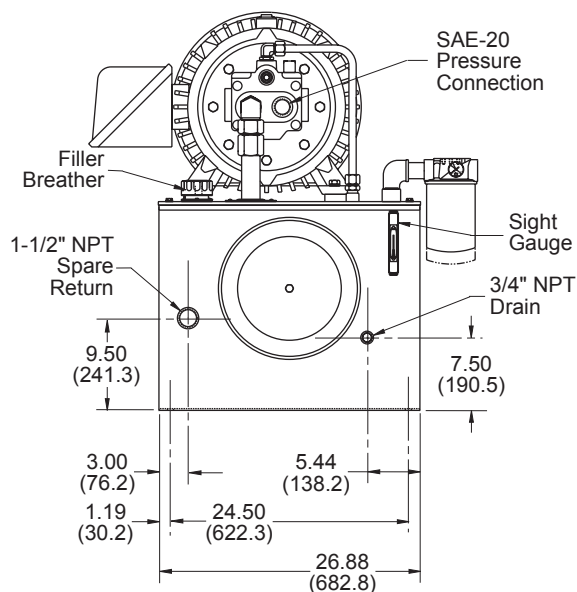


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

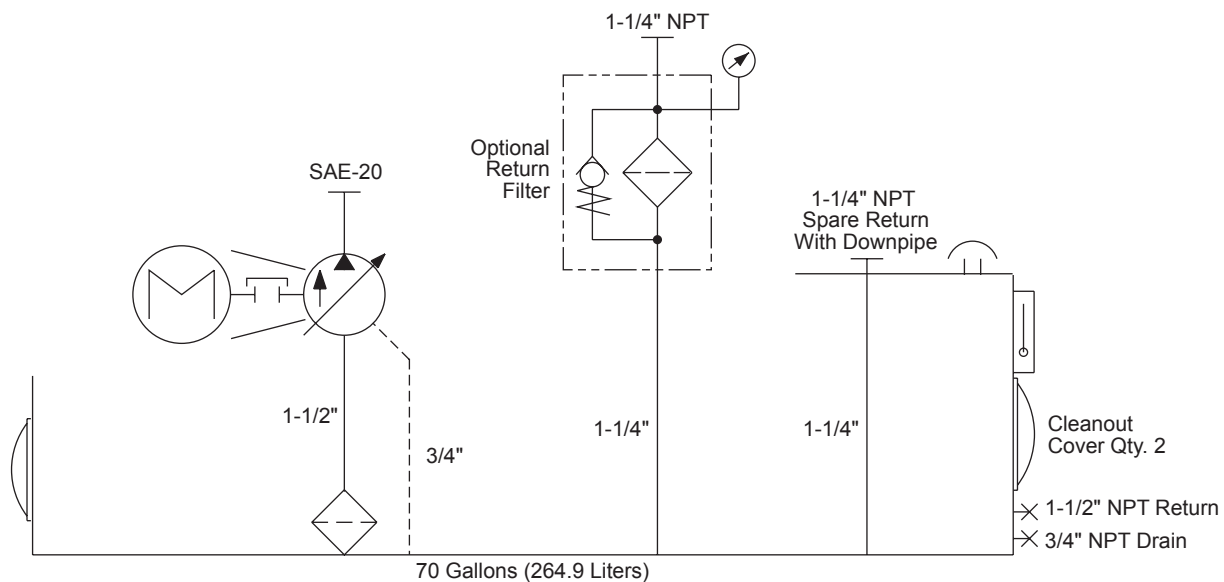
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 41.91 (1064.5) | 7.00 (177.8) | 35.13 (892.3)  |
| 256TC       | 43.61 (1107.7) | 7.00 (177.8) | 35.13 (892.3)  |
| 284TC       | 45.41 (1153.4) | 7.75 (196.8) | 36.63 (930.4)  |
| 286TC       | 46.91 (1191.5) | 7.75 (196.8) | 36.63 (930.4)  |
| 324TC       | 48.45 (1230.6) | 8.75 (222.2) | 38.60 (980.4)  |
| 326TC       | 48.45 (1230.6) | 8.75 (222.2) | 38.60 (980.4)  |
| 364TC       | 52.57 (1335.3) | 9.75 (247.6) | 40.50 (1028.7) |
| 365TC       | 52.57 (1335.3) | 9.75 (247.6) | 40.50 (1028.7) |



# NFPA/JIC Style Power Units

70 GALLON CAPACITY

Schematic and Specifications - With HPV29 Piston Pump



| GENERAL SPECIFICATIONS                   | R70                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 70 Gal. (254.9 liters)                        |
| Surface Area For Heat Transfer           | 21.16 sq. ft. (1.97 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 515 lbs. (233.6 kg)                           |
| Usable Gallons                           | 17.50 Gal. (66.2 liters)                      |
| Gallons Per Inch Rise                    | 5.29 Gal. (20.0 liters)                       |
| Capacity, Full to Top Plate              | 75.89 Gal. (287.2 liters)                     |
| Capacity, High on Sight Gauge            | 65.75 Gal. (248.9 liters)                     |
| Capacity, Low on Sight Gauge             | 48.75 Gal. (184.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 29 gpm (109.8 lpm)                      |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

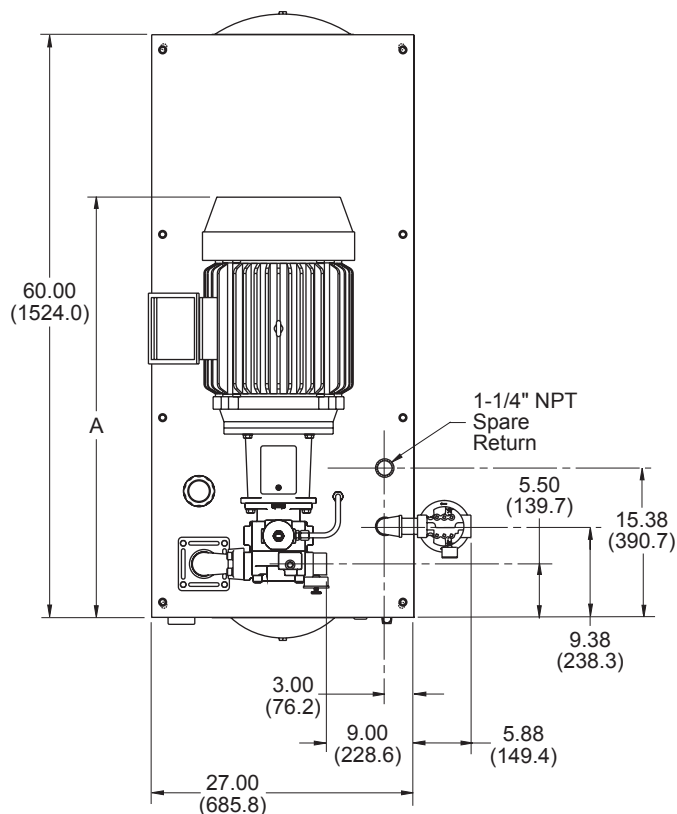
# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Dimension Drawing - With PVR15 Vane Pump

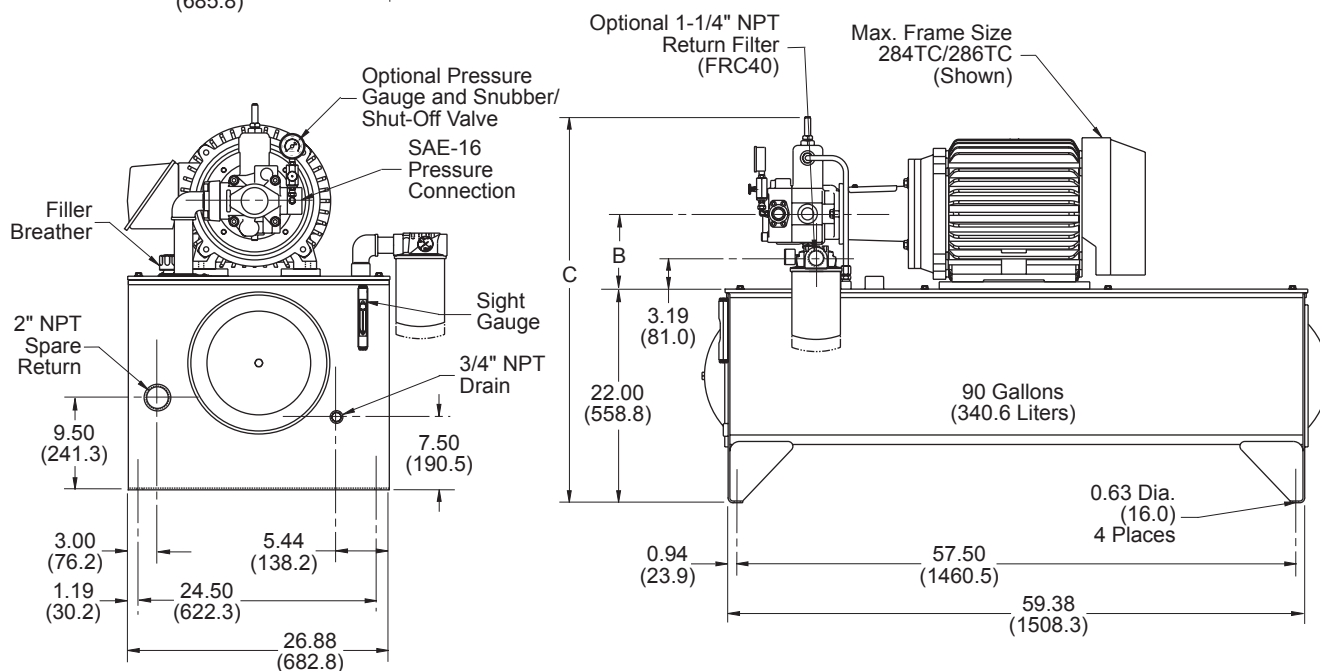


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

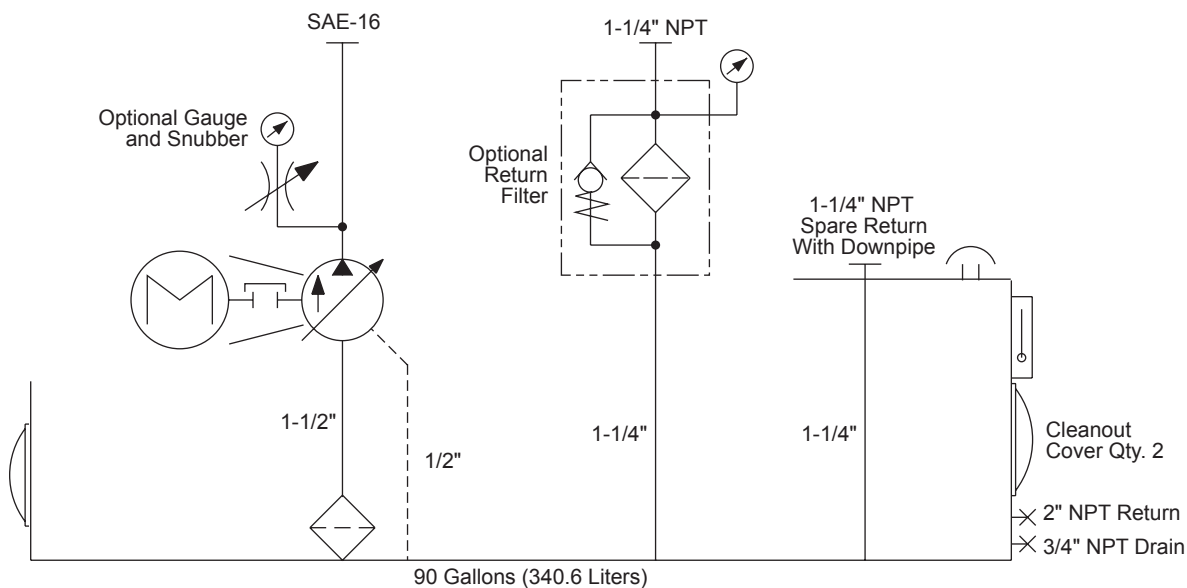
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 182TC       | 29.18 (741.2)  | 5.75 (146.0) | 37.75 (958.8)  |
| 184TC       | 30.17 (766.3)  | 5.75 (146.0) | 37.75 (958.8)  |
| 213TC       | 32.20 (817.9)  | 6.50 (165.1) | 38.50 (977.9)  |
| 215TC       | 33.69 (855.7)  | 6.50 (165.1) | 38.50 (977.9)  |
| 254TC       | 38.03 (966.0)  | 7.00 (177.8) | 39.00 (990.6)  |
| 256TC       | 39.73 (1009.1) | 7.00 (177.8) | 39.00 (990.6)  |
| 284TC       | 41.53 (1054.9) | 7.75 (196.8) | 39.75 (1009.6) |
| 286TC       | 43.03 (1093.0) | 7.75 (196.8) | 39.75 (1009.6) |



# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Schematic and Specifications - With PVR15 Vane Pump



| GENERAL SPECIFICATIONS                   | R90                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 90 Gal. (340.6 liters)                        |
| Surface Area For Heat Transfer           | 26.00 sq. ft. (2.42 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 590 lbs. (267.6 kg)                           |
| Usable Gallons                           | 29.14 Gal. (110.3 liters)                     |
| Gallons Per Inch Rise                    | 6.64 Gal. (25.1 liters)                       |
| Capacity, Full to Top Plate              | 99.00 Gal. (374.7 liters)                     |
| Capacity, High on Sight Gauge            | 86.43 Gal. (327.1 liters)                     |
| Capacity, Low on Sight Gauge             | 65.13 Gal. (246.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 30 gpm (113.5 lpm)                      |
| Pressure Range                           | Up to 2000 psi (138 bar)                      |
| Power Range                              | Up to 30 HP (22.4 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

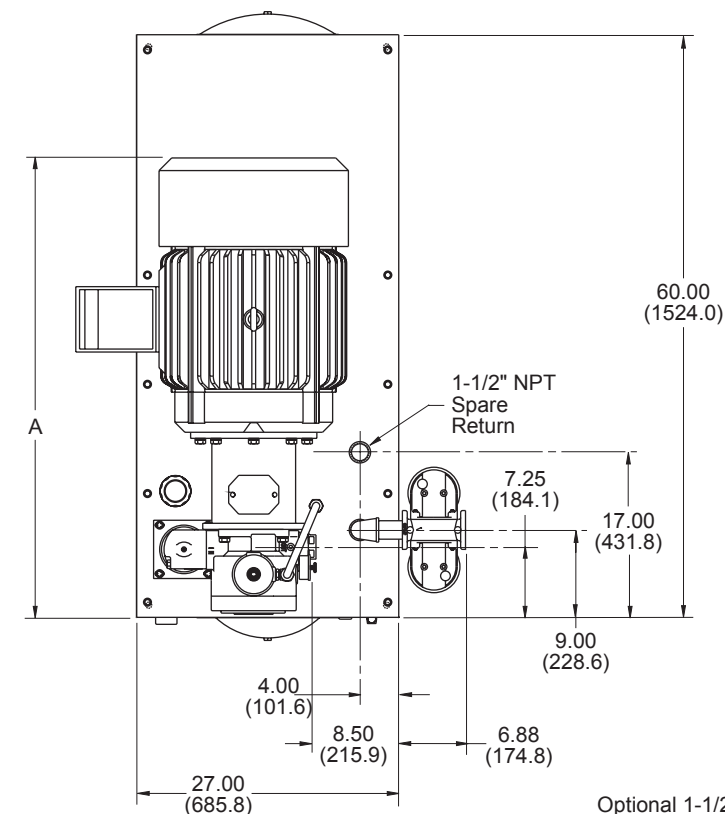
# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Dimension Drawing - With PVR50 Vane Pump

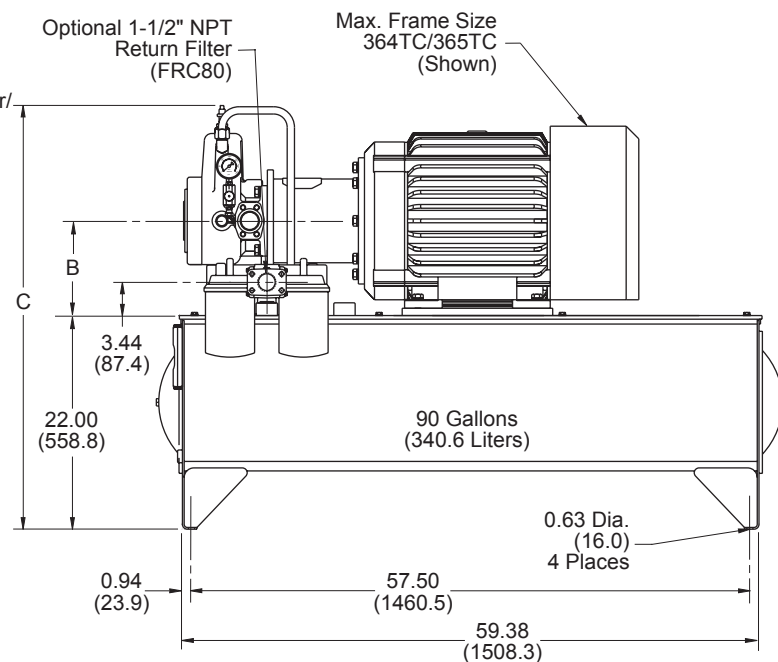
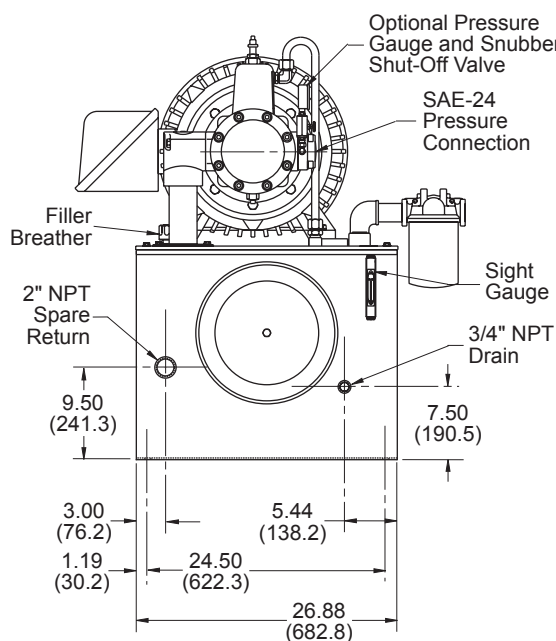


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

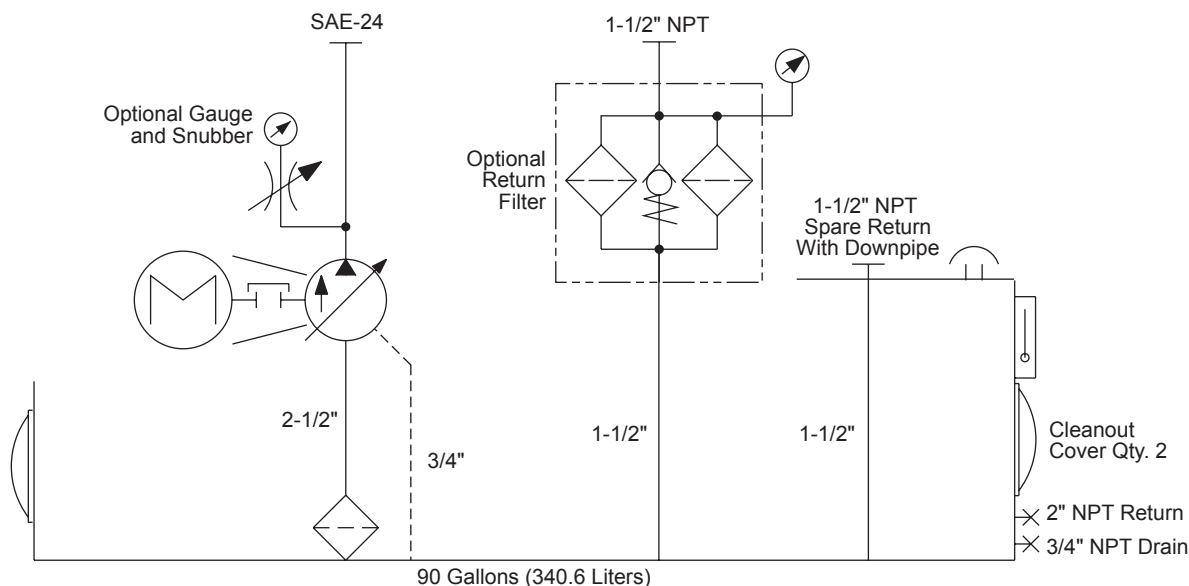
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 36.21 (919.7)  | 7.00 (177.8) | 40.91 (1039.1) |
| 256TC       | 37.91 (962.9)  | 7.00 (177.8) | 40.91 (1039.1) |
| 284TC       | 39.84 (1011.9) | 7.75 (196.8) | 41.66 (1058.2) |
| 286TC       | 41.34 (1050.0) | 7.75 (196.8) | 41.66 (1058.2) |
| 324TC       | 43.25 (1098.5) | 8.75 (222.2) | 42.56 (1083.6) |
| 326TC       | 43.25 (1098.5) | 8.75 (222.2) | 42.56 (1083.6) |
| 364TC       | 46.88 (1190.8) | 9.75 (247.6) | 43.66 (1109.0) |
| 365TC       | 46.88 (1190.8) | 9.75 (247.6) | 43.66 (1109.0) |



# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Schematic and Specifications - With PVR50 Vane Pump



| GENERAL SPECIFICATIONS                   | R90                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 90 Gal. (340.6 liters)                        |
| Surface Area For Heat Transfer           | 26.00 sq. ft. (2.42 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 650 lbs. (294.8 kg)                           |
| Usable Gallons                           | 17.50 Gal. (66.2 liters)                      |
| Gallons Per Inch Rise                    | 6.64 Gal. (25.1 liters)                       |
| Capacity, Full to Top Plate              | 99.00 Gal. (374.7 liters)                     |
| Capacity, High on Sight Gauge            | 86.43 Gal. (327.1 liters)                     |
| Capacity, Low on Sight Gauge             | 65.13 Gal. (246.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 70 gpm (264.9 lpm)                      |
| Pressure Range                           | Up to 2000 psi (138 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

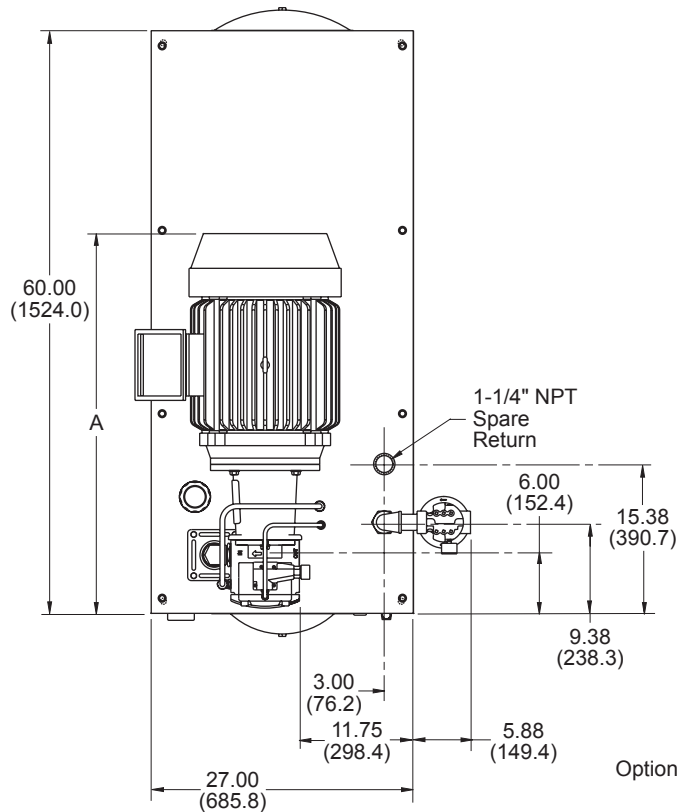
# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Dimension Drawing - With PVX11/15 Vane Pump

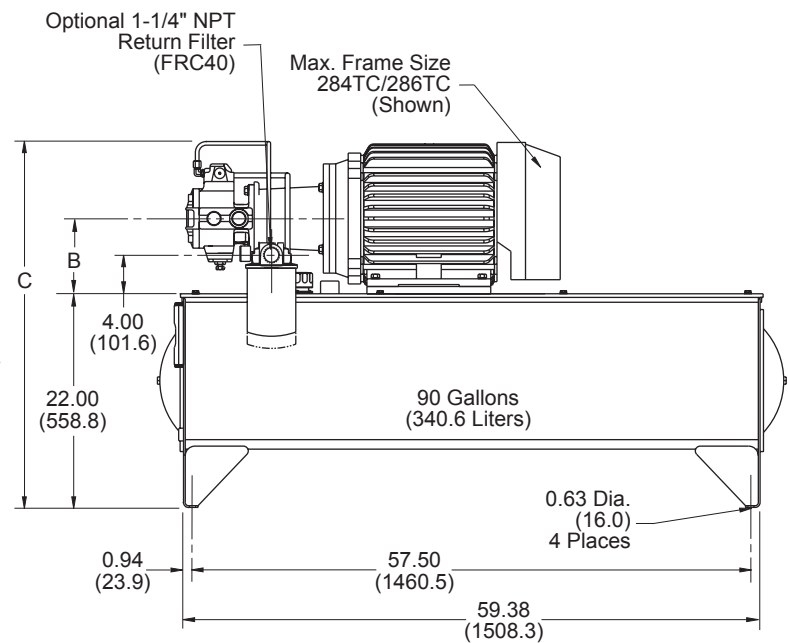
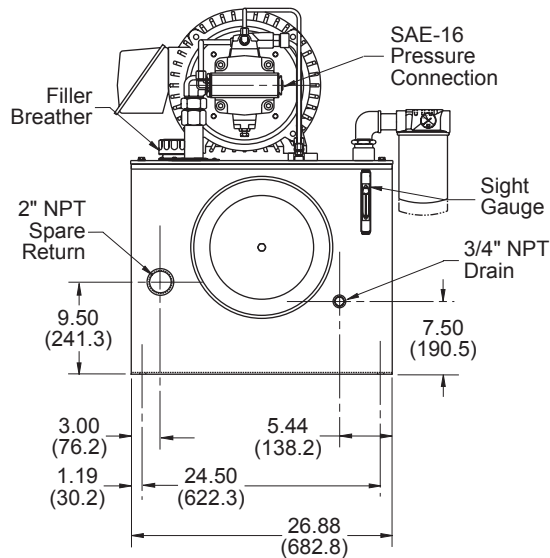


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

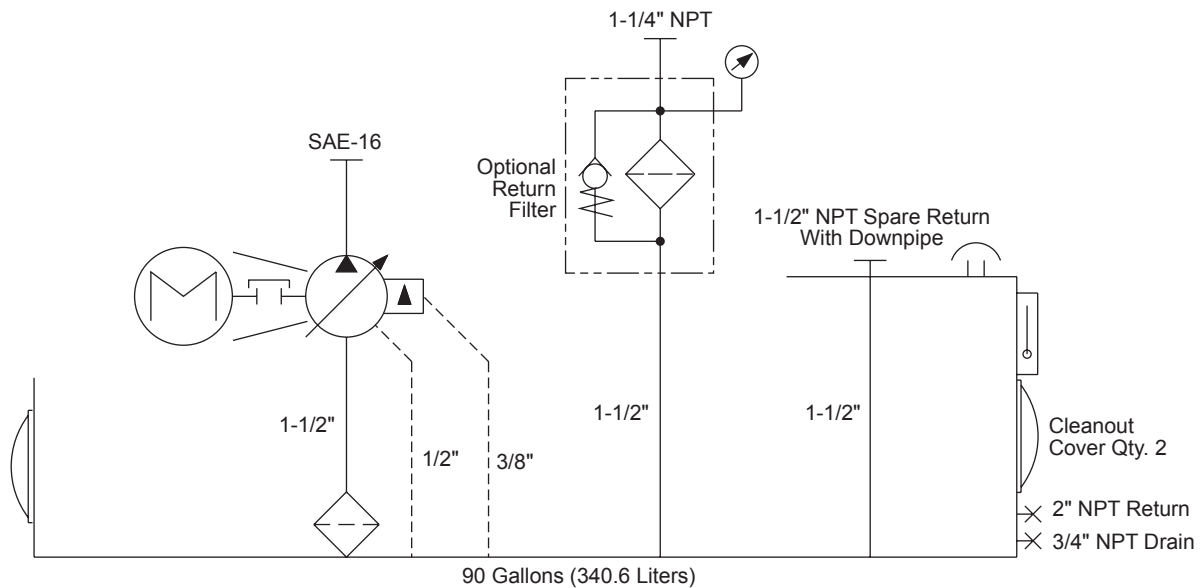
| Motor Frame | A             | B            | C             |
|-------------|---------------|--------------|---------------|
| 182TC       | 24.50 (622.3) | 5.75 (146.0) | 36.25 (920.7) |
| 184TC       | 25.50 (647.7) | 5.75 (146.0) | 36.25 (920.7) |
| 213TC       | 28.02 (711.7) | 6.50 (165.1) | 37.00 (939.8) |
| 215TC       | 29.50 (749.3) | 6.50 (165.1) | 37.00 (939.8) |
| 254TC       | 33.85 (859.8) | 7.00 (177.8) | 37.50 (952.5) |
| 256TC       | 33.55 (852.2) | 7.00 (177.8) | 37.50 (952.5) |
| 284TC       | 37.35 (948.7) | 7.75 (196.8) | 38.25 (971.5) |
| 286TC       | 38.85 (986.8) | 7.75 (196.8) | 38.25 (971.5) |



# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Schematic and Specifications - With PVX11/15 Vane Pump



| GENERAL SPECIFICATIONS                   | R90                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 90 Gal. (340.6 liters)                        |
| Surface Area For Heat Transfer           | 26.00 sq. ft. (2.42 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 589 lbs. (267.2 kg)                           |
| Usable Gallons                           | 29.14 Gal. (110.3 liters)                     |
| Gallons Per Inch Rise                    | 6.64 Gal. (25.1 liters)                       |
| Capacity, Full to Top Plate              | 99.00 Gal. (374.7 liters)                     |
| Capacity, High on Sight Gauge            | 86.43 Gal. (327.1 liters)                     |
| Capacity, Low on Sight Gauge             | 65.13 Gal. (246.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 15 gpm (56.8 lpm)                       |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 30 HP (22.4 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

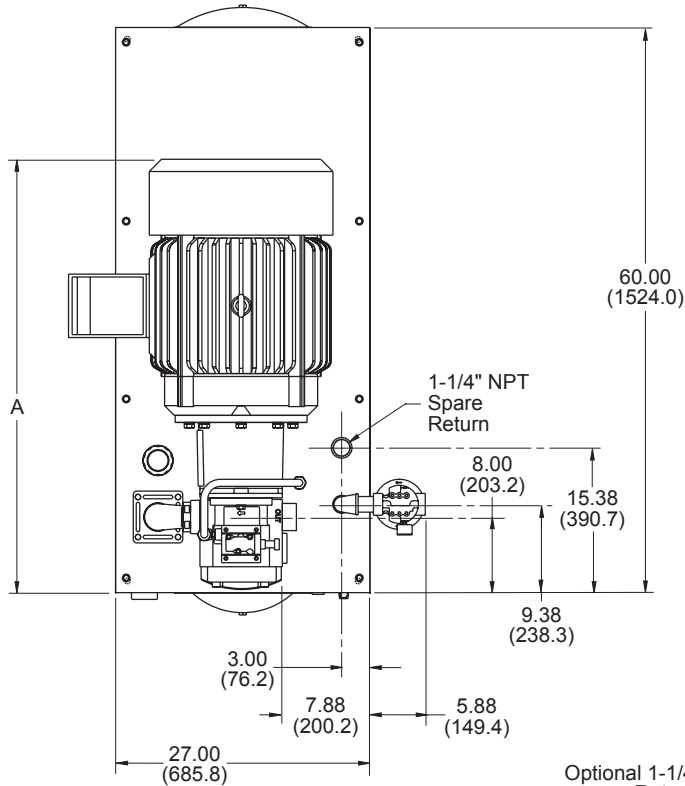
# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Dimension Drawing - With PVX20/29/36 Vane Pump

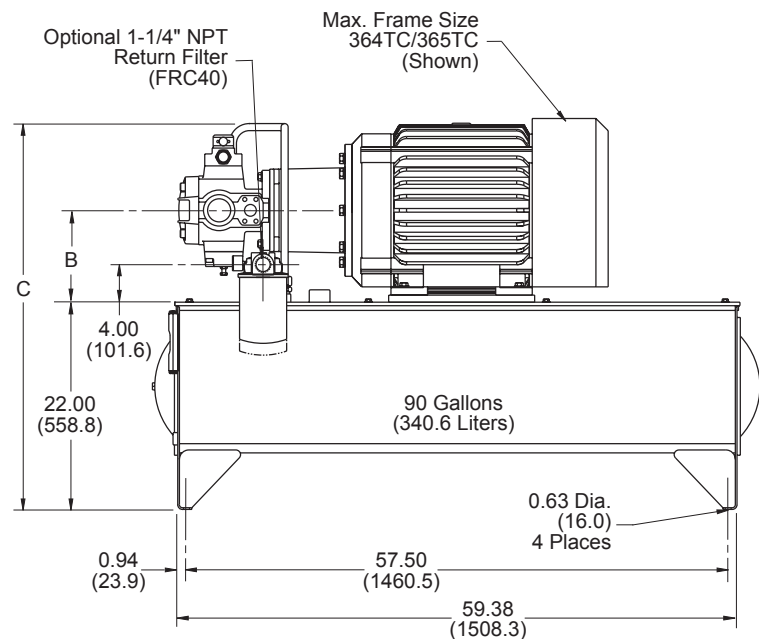
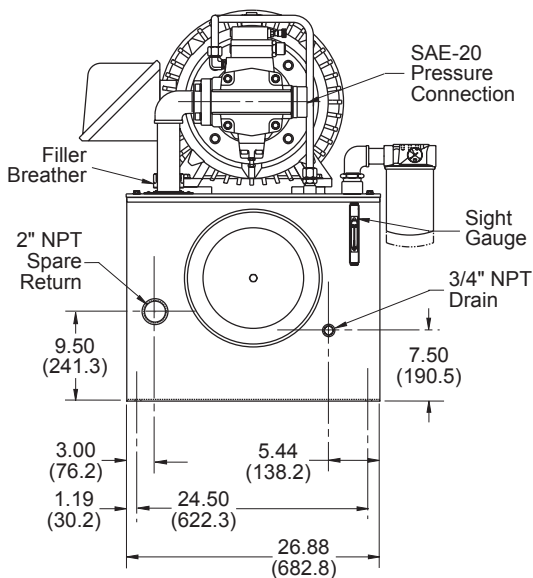


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

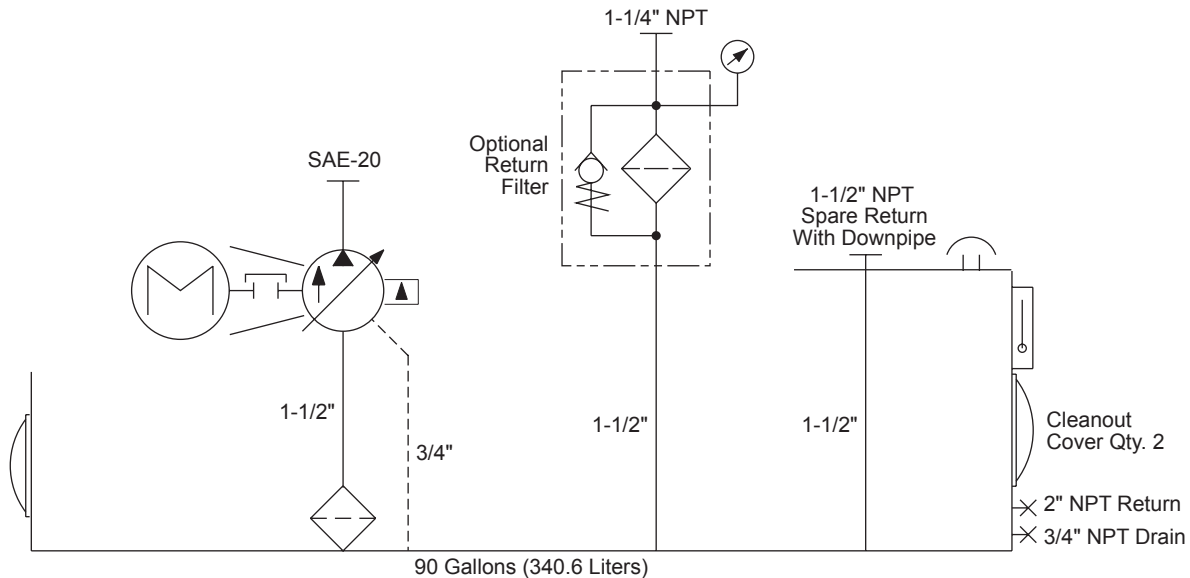
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 213TC       | 30.50 (774.7)  | 6.50 (165.1) | 38.75 (984.2)  |
| 215TC       | 32.00 (812.8)  | 6.50 (165.1) | 38.75 (984.2)  |
| 254TC       | 36.32 (922.5)  | 7.00 (177.8) | 39.25 (996.9)  |
| 256TC       | 38.00 (965.2)  | 7.00 (177.8) | 39.25 (996.9)  |
| 284TC       | 39.82 (1011.4) | 7.75 (196.8) | 40.00 (1016.0) |
| 286TC       | 41.32 (1049.5) | 7.75 (196.8) | 40.00 (1016.0) |
| 324TC       | 42.86 (1088.6) | 8.75 (222.2) | 41.00 (1041.4) |
| 326TC       | 42.86 (1088.6) | 8.75 (222.2) | 41.00 (1041.4) |
| 364TC       | 46.36 (1177.5) | 9.75 (247.6) | 42.00 (1066.8) |
| 365TC       | 46.36 (1177.5) | 9.75 (247.6) | 42.00 (1066.8) |



# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Schematic and Specifications - With PVX20/29/36 Vane Pump



| GENERAL SPECIFICATIONS                   | R90                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 90 Gal. (340.6 liters)                        |
| Surface Area For Heat Transfer           | 26.00 sq. ft. (2.42 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 594 lbs. (269.4 kg)                           |
| Usable Gallons                           | 25.75 Gal. (97.5 liters)                      |
| Gallons Per Inch Rise                    | 6.64 Gal. (25.1 liters)                       |
| Capacity, Full to Top Plate              | 99.00 Gal. (374.7 liters)                     |
| Capacity, High on Sight Gauge            | 86.43 Gal. (327.1 liters)                     |
| Capacity, Low on Sight Gauge             | 65.13 Gal. (246.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 36 gpm (136.3 lpm)                      |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

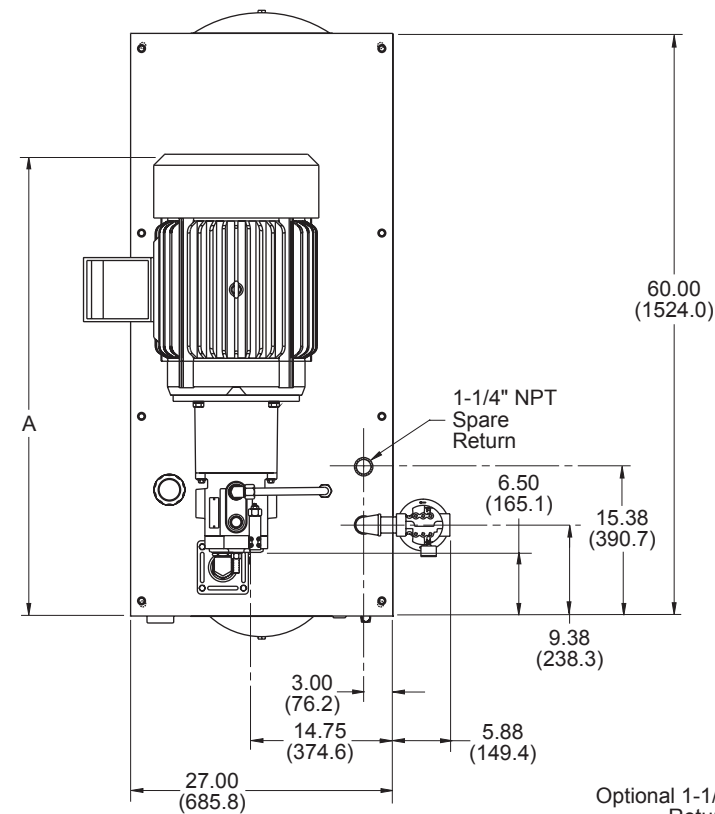
# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Dimension Drawing - With HPV20 Piston Pump

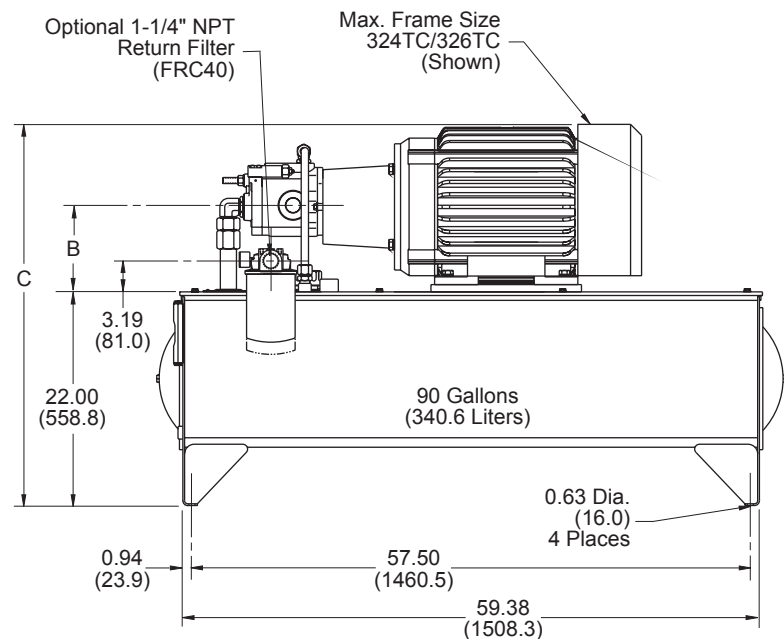
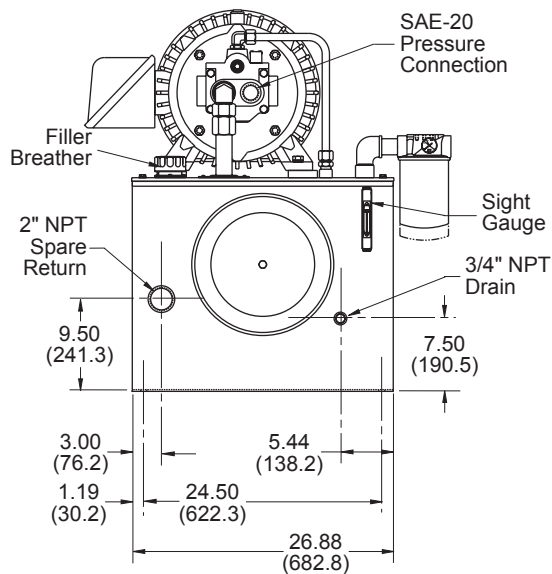


Dimensions shown in: Inches (± .125)  
millimeters (± 1 mm)



## Dimensions

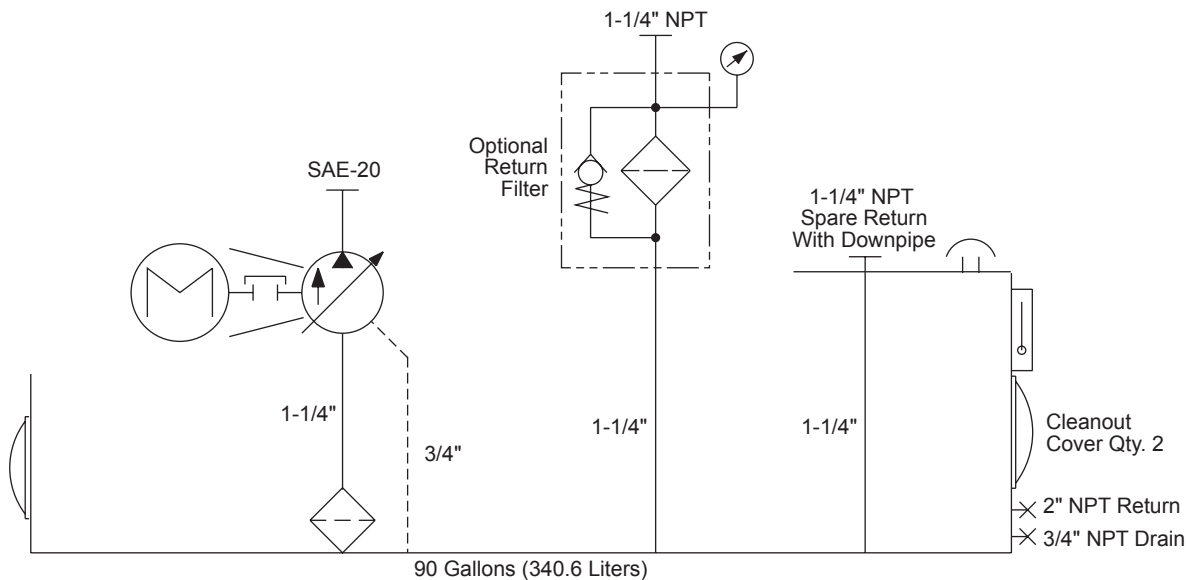
| Motor Frame | A              | B            | C             |
|-------------|----------------|--------------|---------------|
| 254TC       | 41.59 (1056.4) | 7.00 (177.8) | 35.63 (905.0) |
| 256TC       | 43.29 (1099.6) | 7.00 (177.8) | 35.63 (905.0) |
| 284TC       | 45.09 (1145.3) | 7.75 (196.8) | 37.13 (943.1) |
| 286TC       | 46.59 (1183.4) | 7.75 (196.8) | 37.13 (943.1) |
| 324TC       | 48.13 (1222.5) | 8.75 (222.2) | 39.10 (993.1) |
| 326TC       | 48.13 (1222.5) | 8.75 (222.2) | 39.10 (993.1) |



## NFPA/JIC Style Power Units

90 GALLON CAPACITY

Schematic and Specifications - With HPV20 Piston Pump



| GENERAL SPECIFICATIONS                   | R90                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 90 Gal. (340.6 liters)                        |
| Surface Area For Heat Transfer           | 26.00 sq. ft. (2.42 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 596 lbs. (270.3 kg)                           |
| Usable Gallons                           | 25.75 Gal. (97.5 liters)                      |
| Gallons Per Inch Rise                    | 6.64 Gal. (25.1 liters)                       |
| Capacity, Full to Top Plate              | 99.00 Gal. (374.7 liters)                     |
| Capacity, High on Sight Gauge            | 86.43 Gal. (327.1 liters)                     |
| Capacity, Low on Sight Gauge             | 65.13 Gal. (246.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 20 gpm (75.7 lpm)                       |
| Pressure Range                           | Up to 3500 psi (241 bar)                      |
| Power Range                              | Up to 50 HP (37.3 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

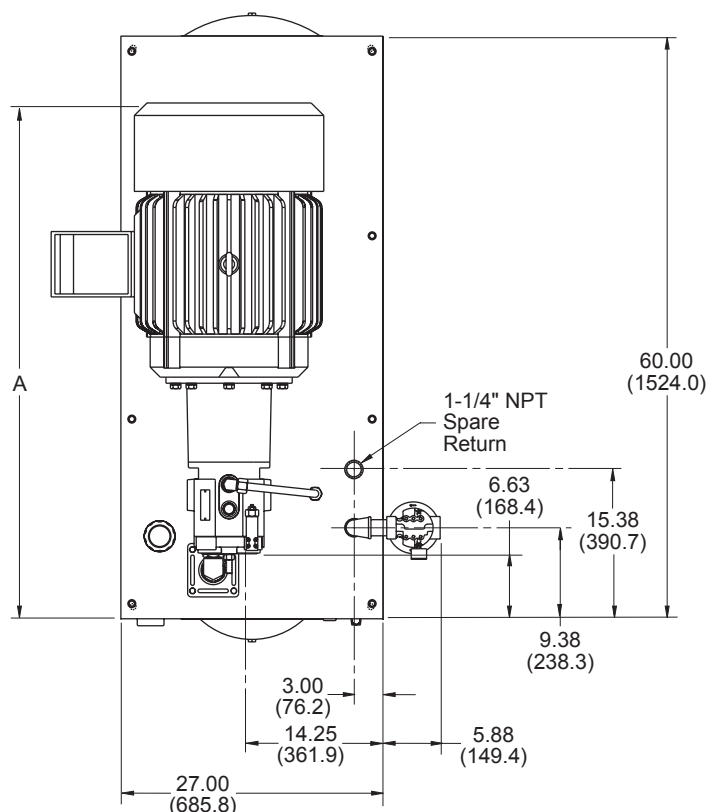
# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Dimension Drawing - With HPV29 Piston Pump

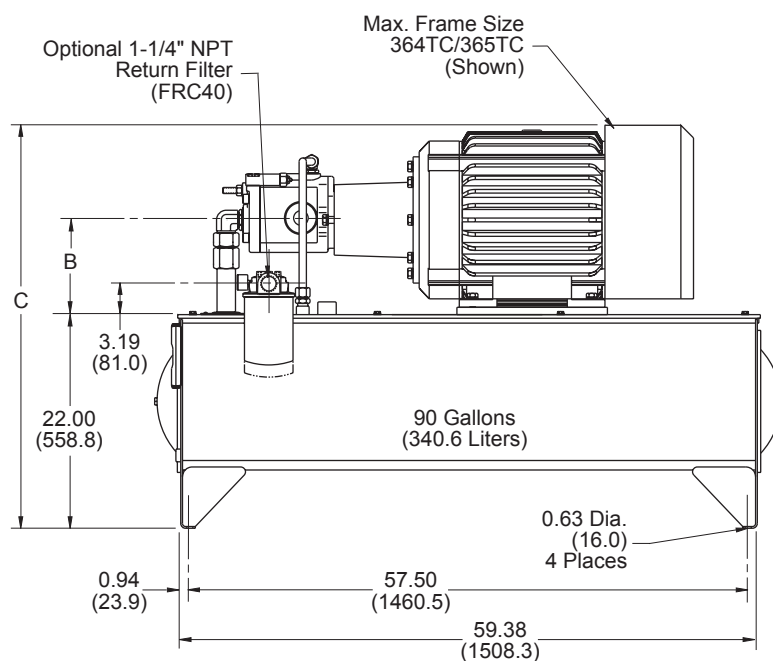
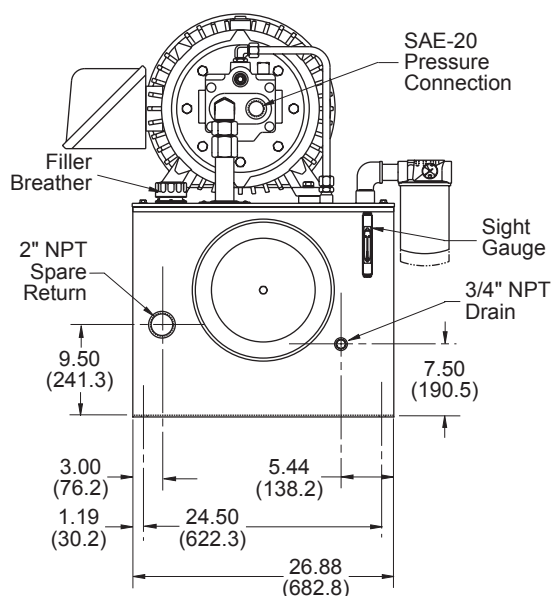


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

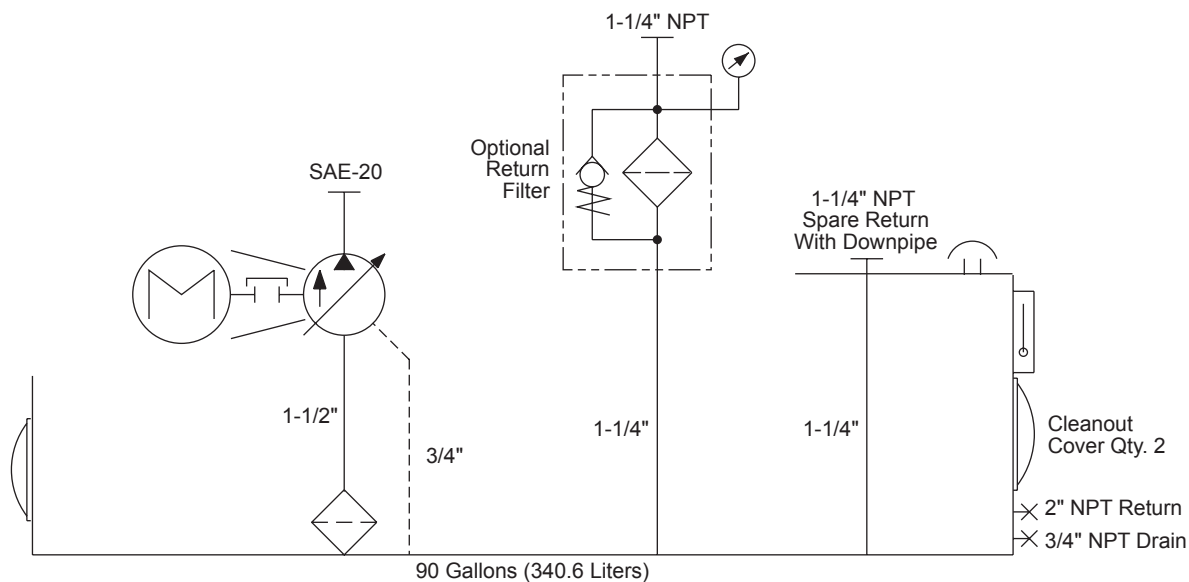
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 42.35 (1075.7) | 7.00 (177.8) | 35.63 (905.0)  |
| 256TC       | 44.05 (1144.3) | 7.00 (177.8) | 35.63 (905.0)  |
| 284TC       | 45.85 (1164.6) | 7.75 (196.8) | 37.13 (943.1)  |
| 286TC       | 47.35 (1202.7) | 7.75 (196.8) | 37.13 (943.1)  |
| 324TC       | 48.89 (1241.8) | 8.75 (222.2) | 39.10 (993.1)  |
| 326TC       | 48.89 (1241.8) | 8.75 (222.2) | 39.10 (993.1)  |
| 364TC       | 53.01 (1346.5) | 9.75 (247.6) | 41.00 (1041.4) |
| 365TC       | 53.01 (1346.5) | 9.75 (247.6) | 41.00 (1041.4) |



# NFPA/JIC Style Power Units

90 GALLON CAPACITY

Schematic and Specifications - With HPV29 Piston Pump



| GENERAL SPECIFICATIONS                   | R90                                           |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 90 Gal. (340.6 liters)                        |
| Surface Area For Heat Transfer           | 26.00 sq. ft. (2.42 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 596 lbs. (270.3 kg)                           |
| Usable Gallons                           | 25.75 Gal. (97.5 liters)                      |
| Gallons Per Inch Rise                    | 6.64 Gal. (25.1 liters)                       |
| Capacity, Full to Top Plate              | 99.00 Gal. (374.7 liters)                     |
| Capacity, High on Sight Gauge            | 86.43 Gal. (327.1 liters)                     |
| Capacity, Low on Sight Gauge             | 65.13 Gal. (246.5 liters)                     |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 29 gpm (109.8 lpm)                      |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

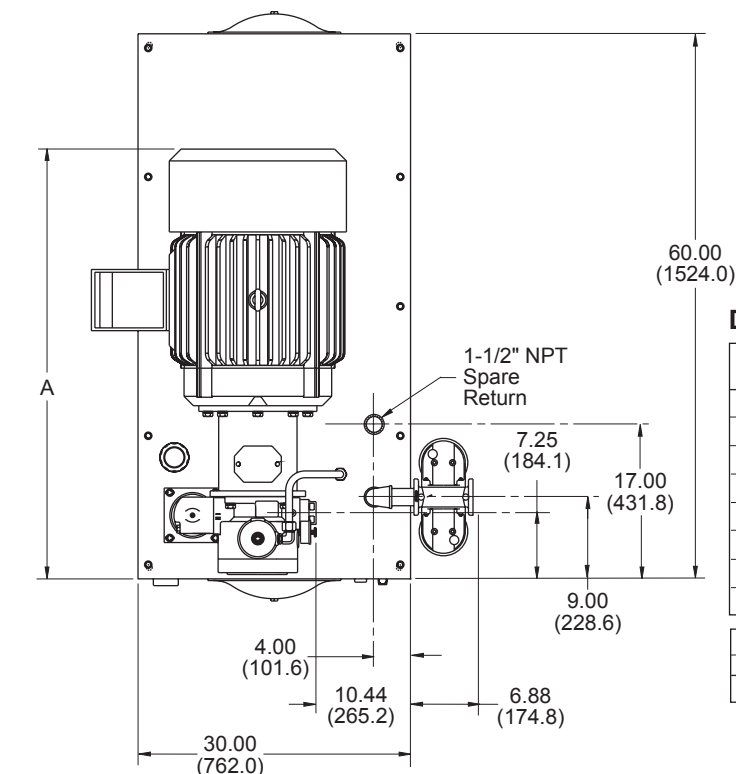
# NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Dimension Drawing - With PVR50 Vane Pump



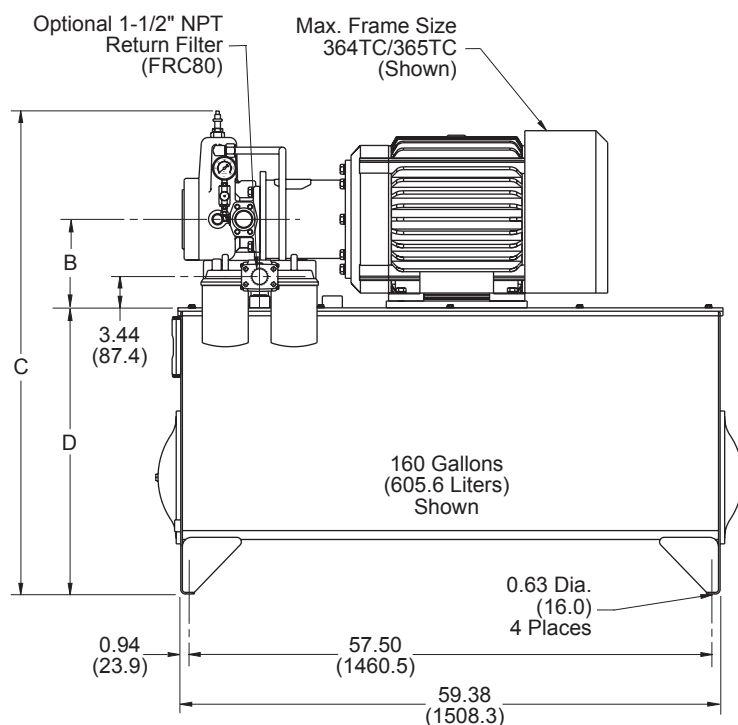
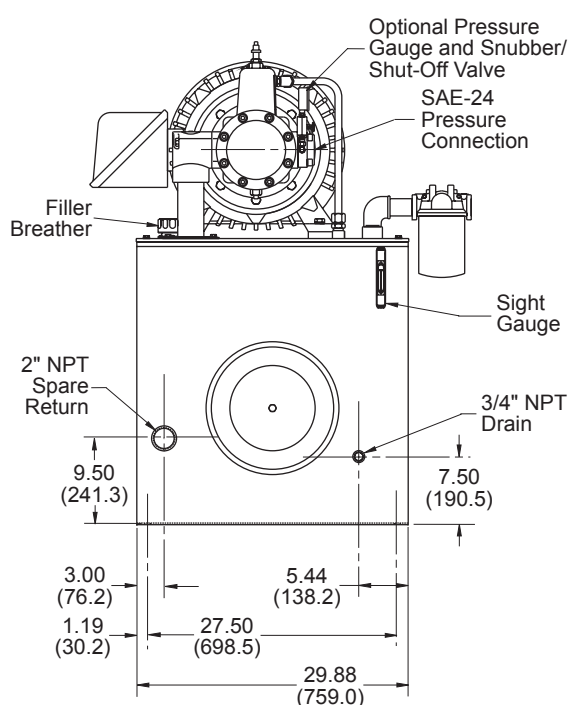
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A              | B            | C              |                |
|-------------|----------------|--------------|----------------|----------------|
|             |                |              | R130           | R160           |
| 254TC       | 36.21 (908.9)  | 7.00 (177.8) | 45.41 (1153.4) | 50.41 (1280.4) |
| 256TC       | 37.91 (962.9)  | 7.00 (177.8) | 45.41 (1153.4) | 50.41 (1280.4) |
| 284TC       | 39.84 (1011.9) | 7.75 (196.8) | 46.16 (1172.5) | 51.16 (1299.5) |
| 286TC       | 41.34 (1050.0) | 7.75 (196.8) | 46.16 (1172.5) | 51.16 (1299.5) |
| 324TC       | 43.25 (1098.5) | 8.75 (222.2) | 47.16 (1197.9) | 52.16 (1324.9) |
| 326TC       | 43.25 (1098.5) | 8.75 (222.2) | 47.16 (1197.9) | 52.16 (1324.9) |
| 364TC       | 46.88 (1190.8) | 9.75 (247.6) | 48.16 (1223.3) | 53.16 (1350.3) |
| 365TC       | 46.88 (1190.8) | 9.75 (247.6) | 48.16 (1223.3) | 53.16 (1350.3) |

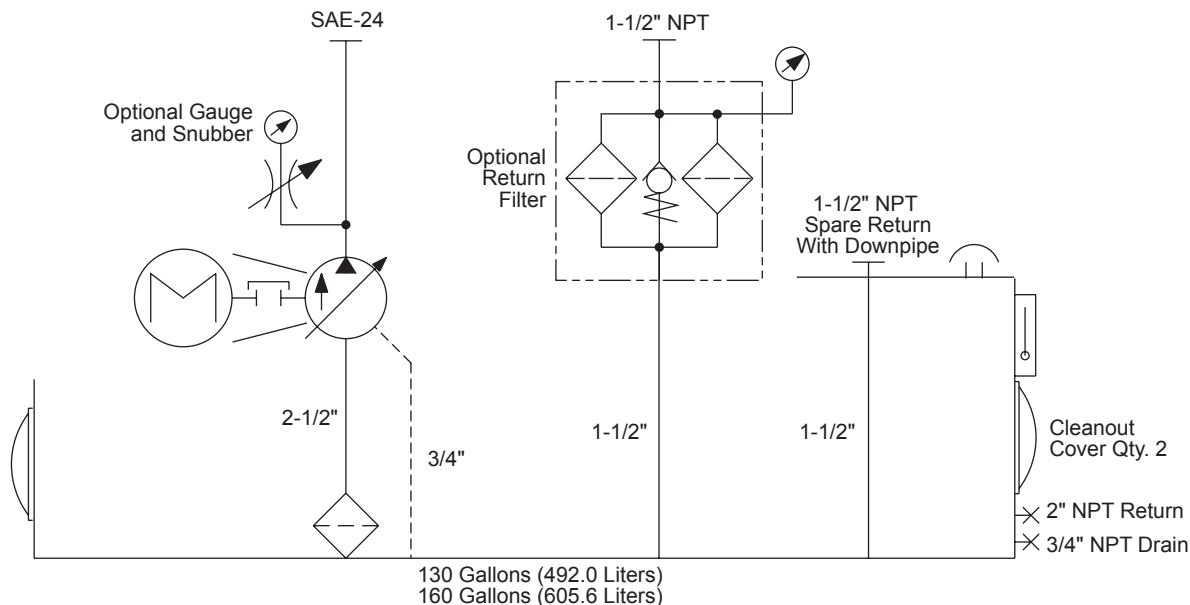
| D             |               |
|---------------|---------------|
| R130          | R160          |
| 26.50 (673.1) | 31.50 (800.1) |



## NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Schematic and Specifications - With PVR50 Vane Pump



| GENERAL SPECIFICATIONS                   | R130                                  | R160                                 |
|------------------------------------------|---------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 130 Gal. (492.0 liters)               | 160 Gal. (605.6 liters)              |
| Surface Area For Heat Transfer           | 32.66 sq. ft. (3.03 m <sup>2</sup> )  | 38.77 sq. ft. (3.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x ΔT / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 756 lbs. (342.9 kg)                   | 814 lbs. (369.2 kg)                  |
| Usable Gallons                           | 50.50 Gal. (191.1 liters)             | 87.50 Gal. (331.2 liters)            |
| Gallons Per Inch Rise                    | 7.41 Gal. (28.0 liters)               | 7.41 Gal. (28.0 liters)              |
| Capacity, Full to Top Plate              | 143.33 Gal. (542.5 liters)            | 180.37 Gal. (682.7 liters)           |
| Capacity, High on Sight Gauge            | 127.25 Gal. (481.6 liters)            | 164.25 Gal. (621.7 liters)           |
| Capacity, Low on Sight Gauge             | 103.25 Gal. (390.8 liters)            | 140.50 Gal. (531.8 liters)           |
| <b>Pump Data*</b>                        |                                       |                                      |
| Flow Range                               | Up to 70 gpm (264.9 lpm)              | Up to 70 gpm (264.9 lpm)             |
| Pressure Range                           | Up to 2000 psi (138 bar)              | Up to 2000 psi (138 bar)             |
| Power Range                              | Up to 75 HP (55.9 kW)                 | Up to 75 HP (55.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

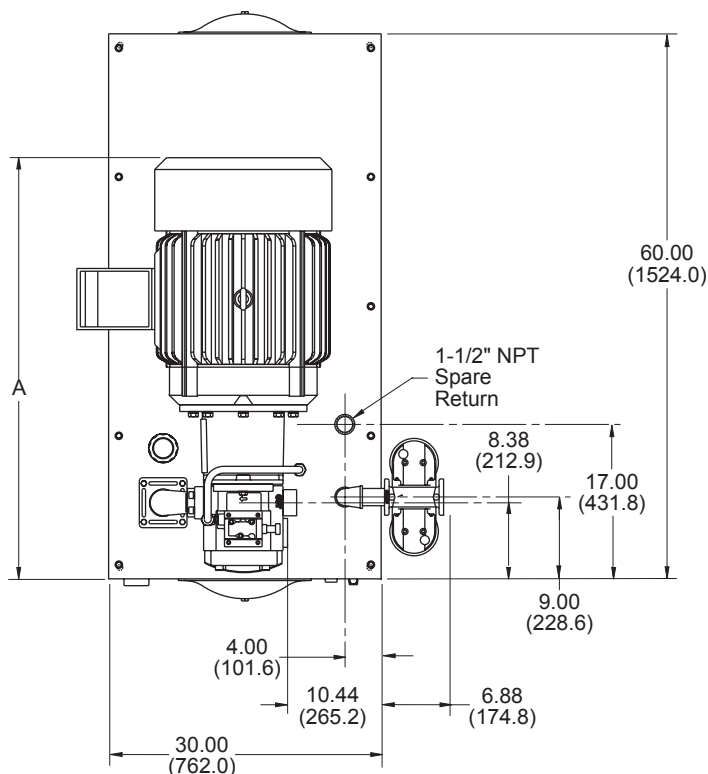
# NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Dimension Drawing - With PVX20/29/36 Vane Pump



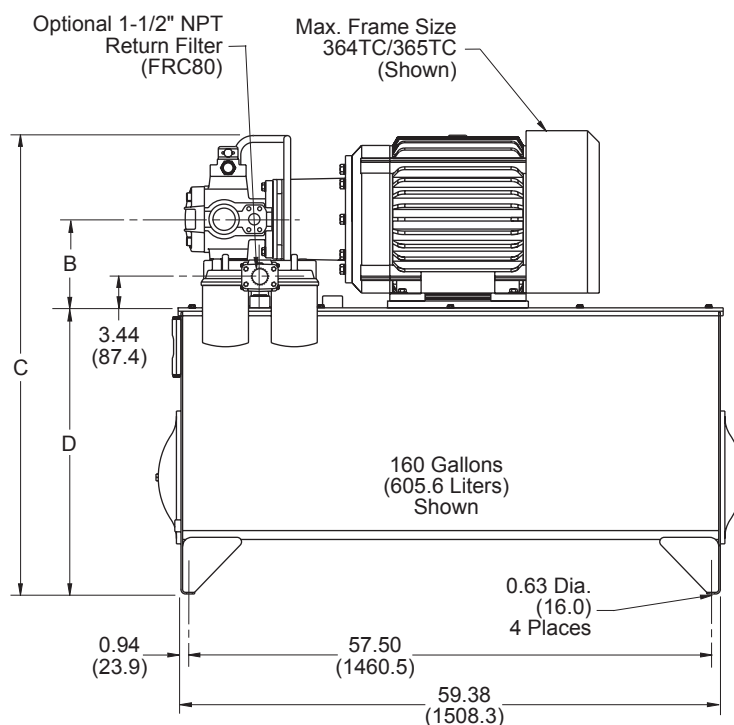
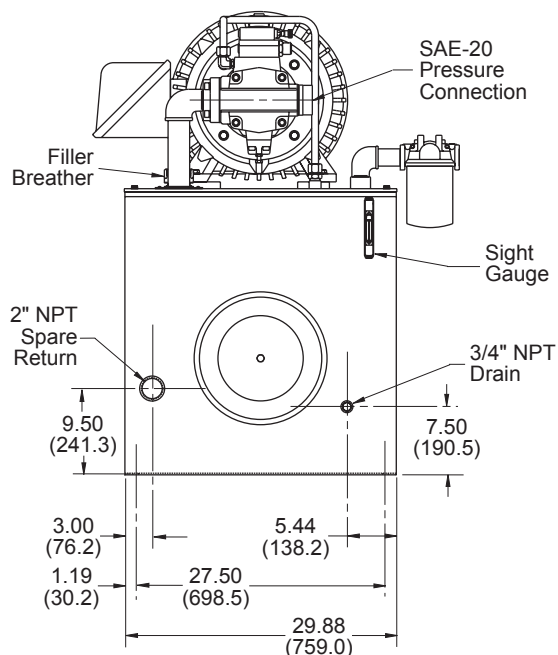
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A              | B            | C              |                |
|-------------|----------------|--------------|----------------|----------------|
|             |                |              | R130           | R160           |
| 254TC       | 36.70 (932.2)  | 7.00 (177.8) | 43.75 (1111.2) | 48.75 (1238.2) |
| 256TC       | 38.40 (975.4)  | 7.00 (177.8) | 43.75 (1111.2) | 48.75 (1238.2) |
| 284TC       | 40.20 (1021.1) | 7.75 (196.8) | 44.50 (1130.3) | 49.50 (1257.3) |
| 286TC       | 41.70 (1059.2) | 7.75 (196.8) | 44.50 (1130.3) | 49.50 (1257.3) |
| 324TC       | 43.25 (1098.5) | 8.75 (222.2) | 45.50 (1155.7) | 50.50 (1282.7) |
| 326TC       | 43.25 (1098.5) | 8.75 (222.2) | 45.50 (1155.7) | 50.50 (1282.7) |
| 364TC       | 46.75 (1187.4) | 9.75 (247.6) | 46.50 (1181.1) | 51.50 (1308.1) |
| 365TC       | 46.75 (1187.4) | 9.75 (247.6) | 46.50 (1181.1) | 51.50 (1308.1) |

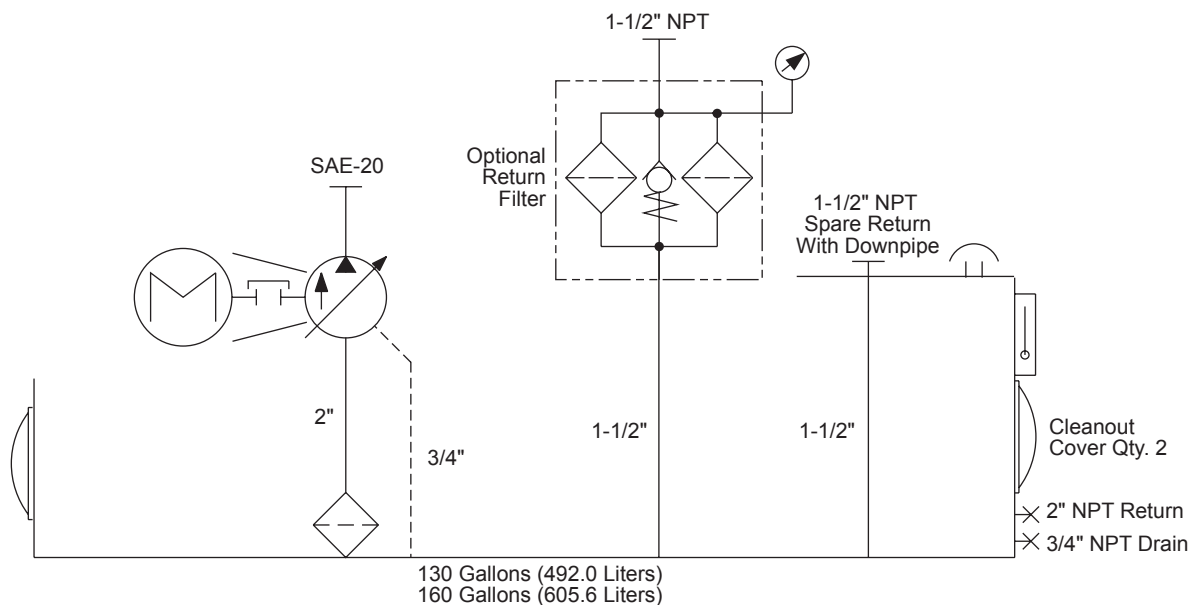
| D             |               |
|---------------|---------------|
| R130          | R160          |
| 26.50 (673.1) | 31.50 (800.1) |



## NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Schematic and Specifications - With PVX20/29/36 Vane Pump



| GENERAL SPECIFICATIONS                   | R130                                          | R160                                 |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 130 Gal. (492.0 liters)                       | 160 Gal. (605.6 liters)              |
| Surface Area For Heat Transfer           | 32.66 sq. ft. (3.03 m <sup>2</sup> )          | 38.77 sq. ft. (3.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 754 lbs. (342.0 kg)                           | 811 lbs. (367.9 kg)                  |
| Usable Gallons                           | 62.50 Gal. (236.6 liters)                     | 99.50 Gal. (376.6 liters)            |
| Gallons Per Inch Rise                    | 7.41 Gal. (28.0 liters)                       | 7.41 Gal. (28.0 liters)              |
| Capacity, Full to Top Plate              | 143.33 Gal. (542.5 liters)                    | 180.37 Gal. (682.7 liters)           |
| Capacity, High on Sight Gauge            | 127.25 Gal. (481.6 liters)                    | 164.25 Gal. (621.7 liters)           |
| Capacity, Low on Sight Gauge             | 103.25 Gal. (390.8 liters)                    | 140.50 Gal. (531.8 liters)           |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 36 gpm (136.3 lpm)                      | Up to 36 gpm (136.3 lpm)             |
| Pressure Range                           | Up to 3000 psi (207 bar)                      | Up to 3000 psi (207 bar)             |
| Power Range                              | Up to 75 HP (55.9 kW)                         | Up to 75 HP (55.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

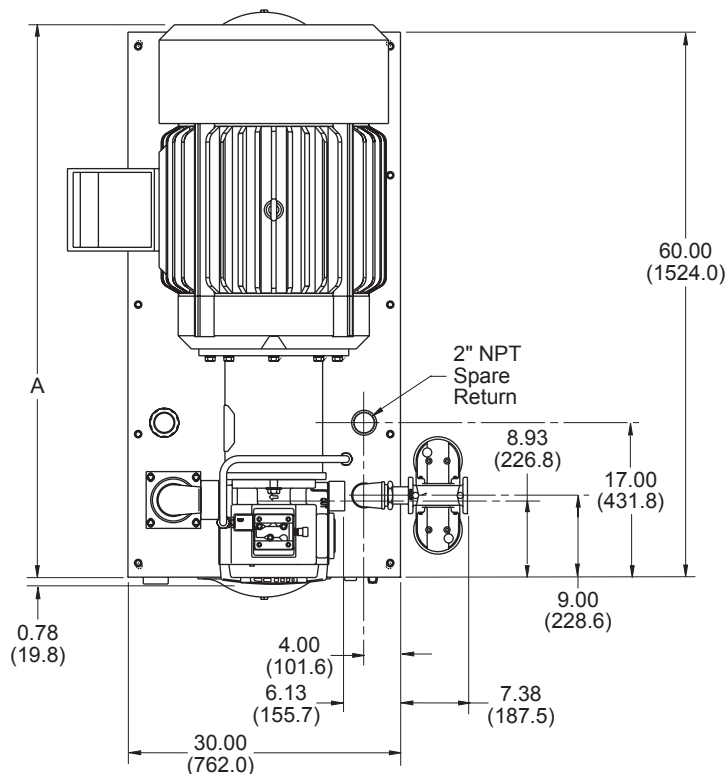
# NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Dimension Drawing - With PVX46/60/75 Vane Pump



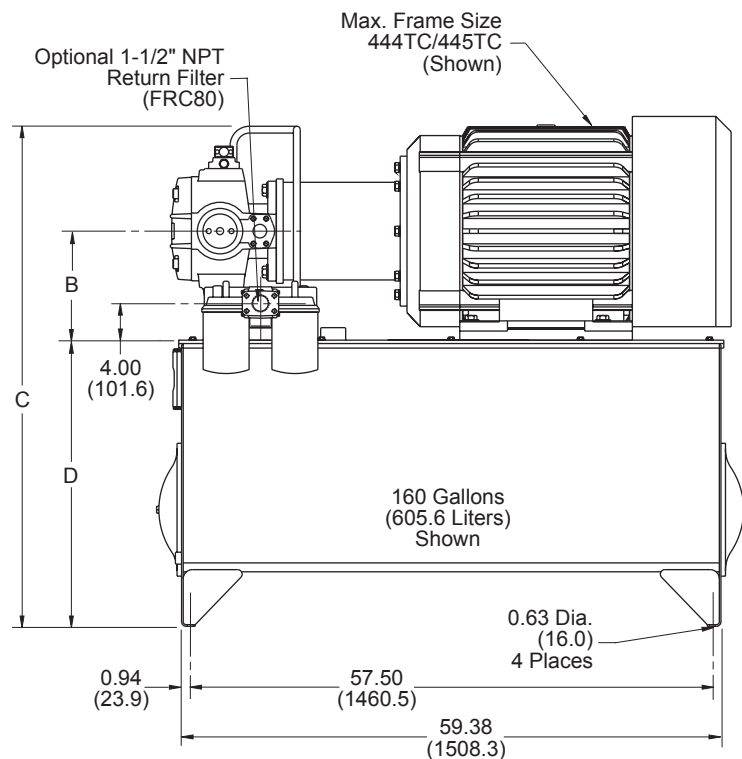
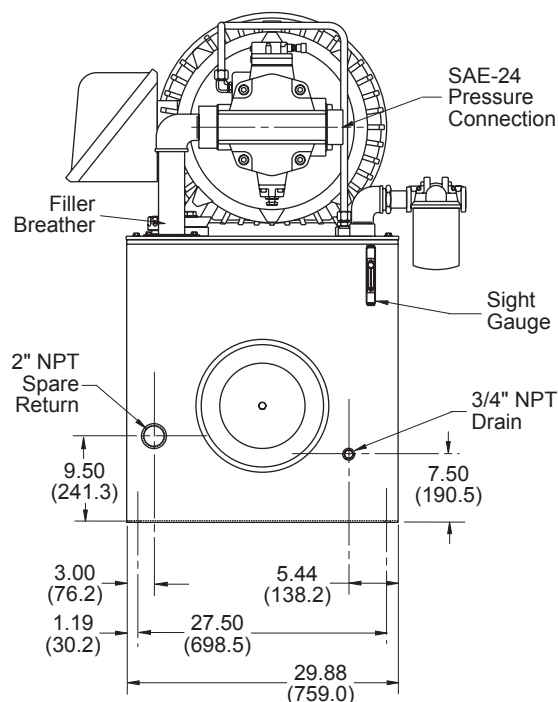
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A              | B             | C              |                |
|-------------|----------------|---------------|----------------|----------------|
|             |                |               | R130           | R160           |
| 324TC       | 44.94 (1141.5) | 8.75 (222.2)  | 45.75 (1162.0) | 50.75 (1289.0) |
| 326TC       | 44.94 (1141.5) | 8.75 (222.2)  | 45.75 (1162.0) | 50.75 (1289.0) |
| 364TC       | 47.95 (1217.9) | 9.75 (247.6)  | 46.75 (1187.4) | 51.75 (1314.4) |
| 365TC       | 47.95 (1217.9) | 9.75 (247.6)  | 46.75 (1187.4) | 51.75 (1314.4) |
| 404TC       | 54.31 (1379.5) | 11.00 (279.4) | 48.00 (1219.2) | 53.00 (1346.2) |
| 405TC       | 54.31 (1379.5) | 11.00 (279.4) | 48.00 (1219.2) | 53.00 (1346.2) |
| 444TC       | 61.25 (1555.7) | 12.00 (304.8) | 49.00 (1244.6) | 54.00 (1371.6) |

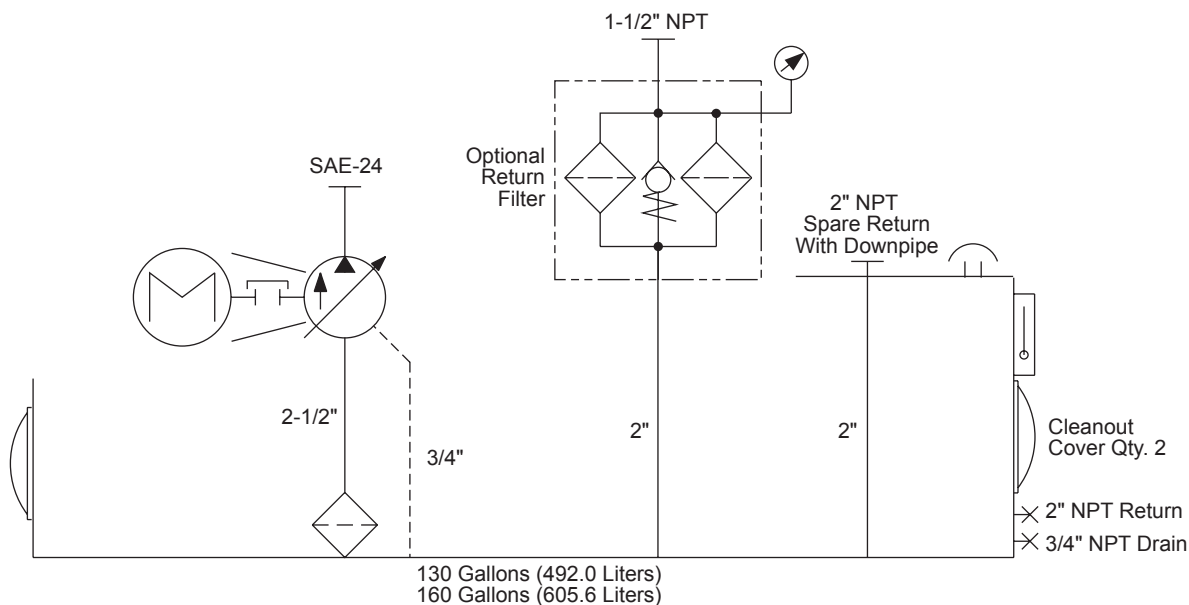
| D             |               |
|---------------|---------------|
| R130          | R160          |
| 26.50 (673.1) | 31.50 (800.1) |



## NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Schematic and Specifications - With PVX46/60/75 Vane Pump



| GENERAL SPECIFICATIONS                   | R130                                          | R160                                 |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 130 Gal. (492.0 liters)                       | 160 Gal. (605.6 liters)              |
| Surface Area For Heat Transfer           | 32.66 sq. ft. (3.03 m <sup>2</sup> )          | 38.77 sq. ft. (3.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 759 lbs. (344.3 kg)                           | 816 lbs. (370.1 kg)                  |
| Usable Gallons                           | 50.50 Gal. (191.1 liters)                     | 87.50 Gal. (331.2 liters)            |
| Gallons Per Inch Rise                    | 7.41 Gal. (28.0 liters)                       | 7.41 Gal. (28.0 liters)              |
| Capacity, Full to Top Plate              | 143.33 Gal. (542.5 liters)                    | 180.37 Gal. (682.7 liters)           |
| Capacity, High on Sight Gauge            | 127.25 Gal. (481.6 liters)                    | 164.25 Gal. (621.7 liters)           |
| Capacity, Low on Sight Gauge             | 103.25 Gal. (390.8 liters)                    | 140.50 Gal. (531.8 liters)           |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 75 gpm (283.9 lpm)                      | Up to 75 gpm (283.9 lpm)             |
| Pressure Range                           | Up to 2500 psi (172 bar)                      | Up to 2500 psi (172 bar)             |
| Power Range                              | Up to 125 HP (93.2 kW)                        | Up to 125 HP (93.2 kW)               |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

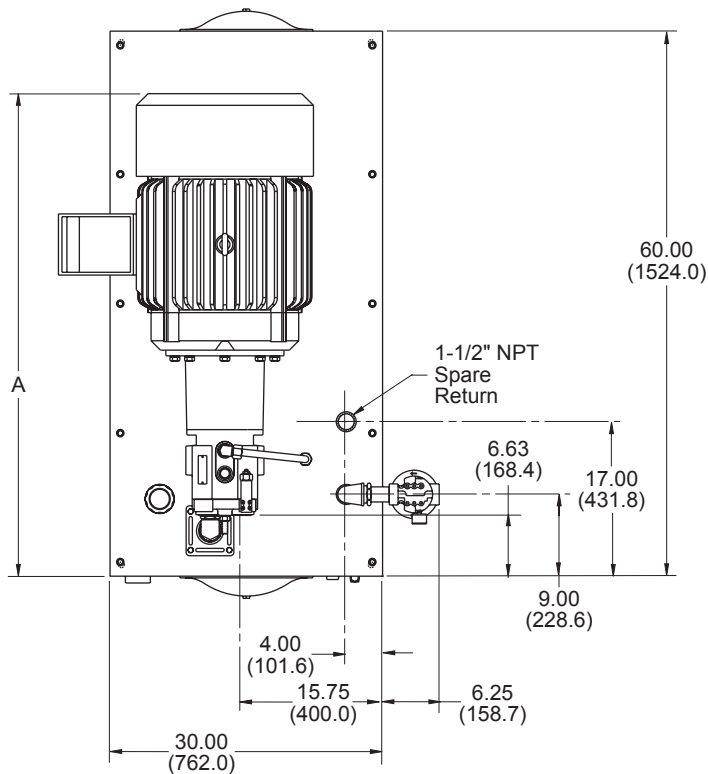
# NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Dimension Drawing - With HPV29 Piston Pump



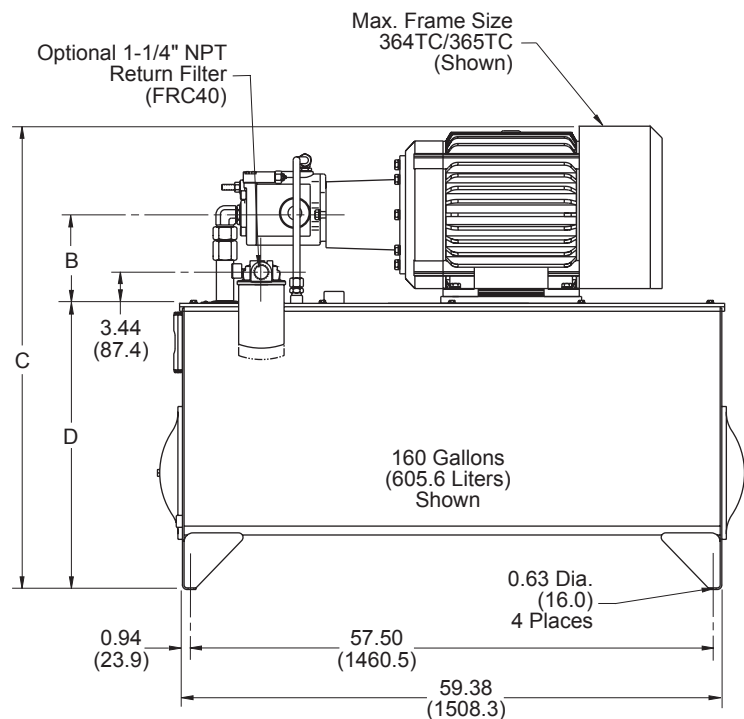
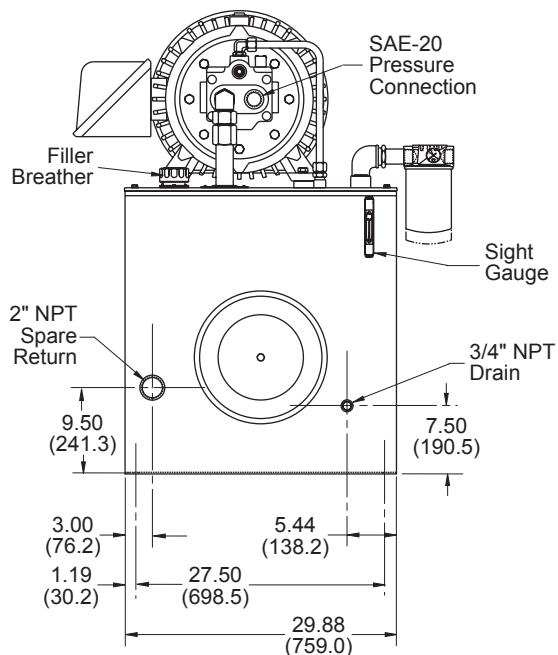
Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

| Motor Frame | A              | B            | C              |                |
|-------------|----------------|--------------|----------------|----------------|
|             |                |              | R130           | R160           |
| 254TC       | 42.35 (1075.7) | 7.00 (177.8) | 40.13 (1019.3) | 45.13 (1146.3) |
| 256TC       | 44.05 (1118.9) | 7.00 (177.8) | 40.13 (1019.3) | 45.13 (1146.3) |
| 284TC       | 45.85 (1164.6) | 7.75 (196.8) | 41.63 (1057.4) | 46.63 (1184.4) |
| 286TC       | 47.35 (1202.7) | 7.75 (196.8) | 41.63 (1057.4) | 46.63 (1184.4) |
| 324TC       | 48.89 (1241.8) | 8.75 (222.2) | 43.60 (1107.4) | 48.60 (1234.4) |
| 326TC       | 48.89 (1241.8) | 8.75 (222.2) | 43.60 (1107.4) | 48.60 (1234.4) |
| 364TC       | 53.01 (1346.4) | 9.75 (247.6) | 45.50 (1155.7) | 50.50 (1282.7) |
| 365TC       | 53.01 (1346.4) | 9.75 (247.6) | 45.50 (1155.7) | 50.50 (1282.7) |

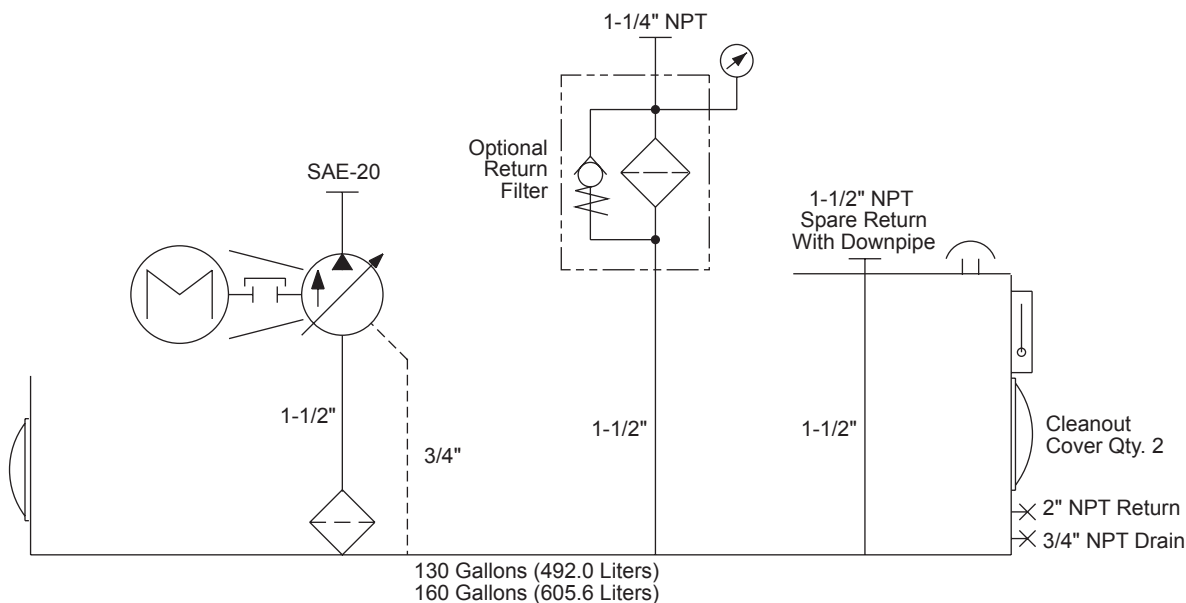
| D             |               |
|---------------|---------------|
| R130          | R160          |
| 26.50 (673.1) | 31.50 (800.1) |



## NFPA/JIC Style Power Units

130/160 GALLON CAPACITY

Schematic and Specifications - With HPV29 Piston Pump



| GENERAL SPECIFICATIONS                   | R130                                          | R160                                 |
|------------------------------------------|-----------------------------------------------|--------------------------------------|
| Reservoir Capacity                       | 130 Gal. (492.0 liters)                       | 160 Gal. (605.6 liters)              |
| Surface Area For Heat Transfer           | 32.66 sq. ft. (3.03 m <sup>2</sup> )          | 38.77 sq. ft. (3.60 m <sup>2</sup> ) |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |                                      |
| Basic Weight (Less Oil, Pump, and Motor) | 756 lbs. (342.9 kg)                           | 814 lbs. (369.2 kg)                  |
| Usable Gallons                           | 62.50 Gal. (236.6 liters)                     | 99.50 Gal. (376.6 liters)            |
| Gallons Per Inch Rise                    | 7.41 Gal. (28.0 liters)                       | 7.41 Gal. (28.0 liters)              |
| Capacity, Full to Top Plate              | 143.33 Gal. (542.5 liters)                    | 180.37 Gal. (682.7 liters)           |
| Capacity, High on Sight Gauge            | 127.25 Gal. (481.6 liters)                    | 164.25 Gal. (621.7 liters)           |
| Capacity, Low on Sight Gauge             | 103.25 Gal. (390.8 liters)                    | 140.50 Gal. (531.8 liters)           |
| <b>Pump Data*</b>                        |                                               |                                      |
| Flow Range                               | Up to 29 gpm (109.8 lpm)                      | Up to 29 gpm (109.8 lpm)             |
| Pressure Range                           | Up to 3000 psi (207 bar)                      | Up to 3000 psi (207 bar)             |
| Power Range                              | Up to 75 HP (55.9 kW)                         | Up to 75 HP (55.9 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

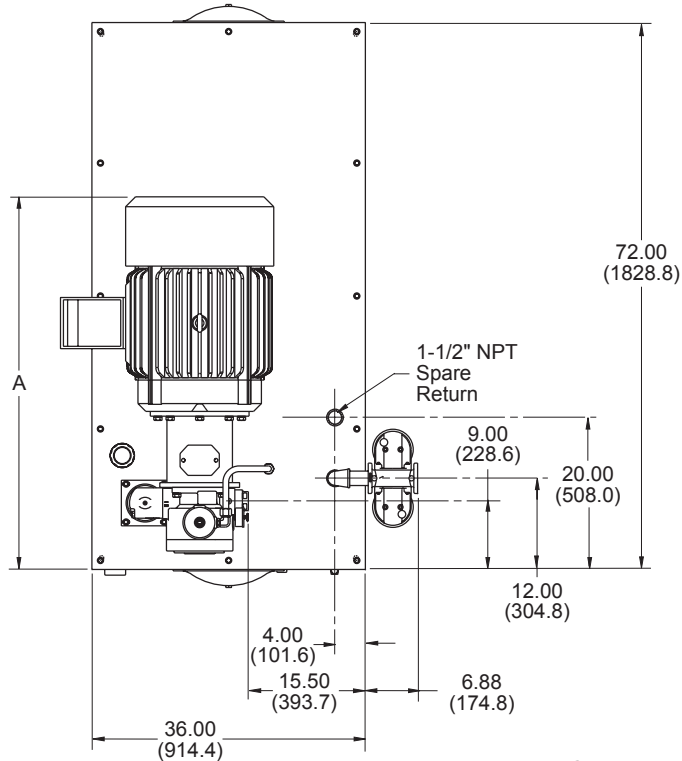
# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Dimension Drawing - With PVR50 Vane Pump

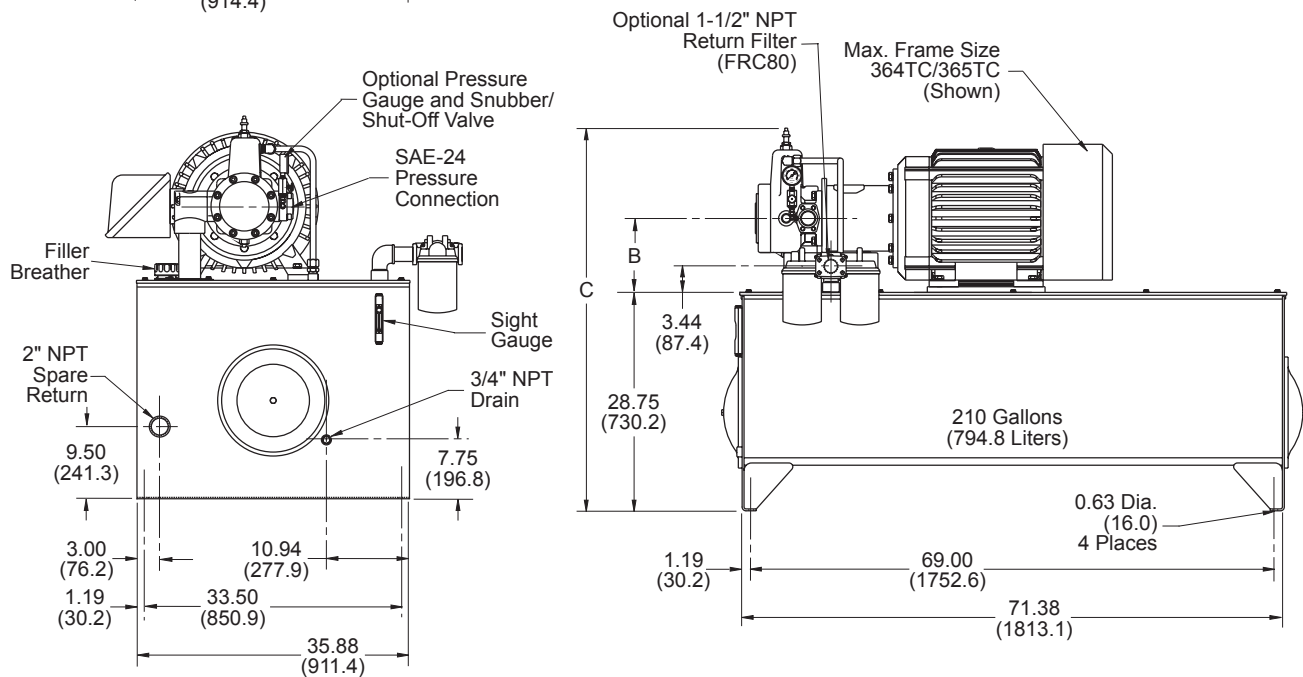


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

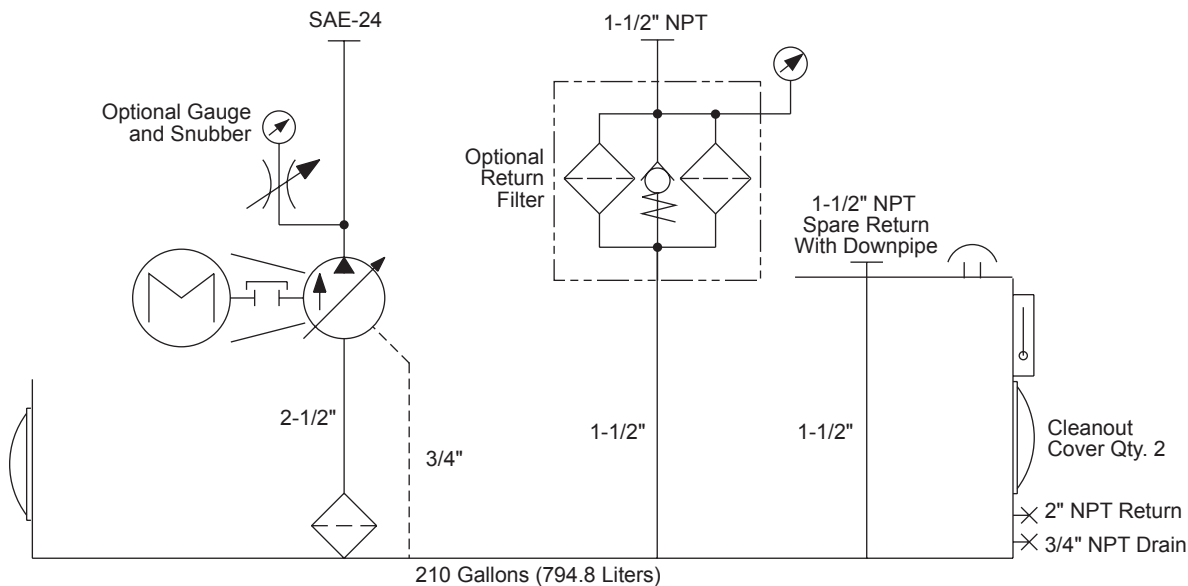
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 37.96 (964.2)  | 7.00 (177.8) | 47.66 (1210.6) |
| 256TC       | 39.66 (1007.4) | 7.00 (177.8) | 47.66 (1210.6) |
| 284TC       | 41.59 (1056.4) | 7.75 (196.8) | 48.41 (1229.6) |
| 286TC       | 43.09 (1094.5) | 7.75 (196.8) | 48.41 (1229.6) |
| 324TC       | 45.00 (1143.0) | 8.75 (222.2) | 49.51 (1257.6) |
| 326TC       | 45.00 (1143.0) | 8.75 (222.2) | 49.51 (1257.6) |
| 364TC       | 48.63 (1235.2) | 9.75 (247.6) | 50.41 (1280.4) |
| 365TC       | 48.63 (1235.2) | 9.75 (247.6) | 50.41 (1280.4) |



# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Schematic and Specifications - With PVR50 Vane Pump



| GENERAL SPECIFICATIONS                   | R210                                  |
|------------------------------------------|---------------------------------------|
| Reservoir Capacity                       | 210 Gal. (794.8 liters)               |
| Surface Area For Heat Transfer           | 43.84 sq. ft. (4.07 m <sup>2</sup> )  |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x ΔT / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 994 lbs. (450.9 kg)                   |
| Usable Gallons                           | 90.57 Gal. (342.8 liters)             |
| Gallons Per Inch Rise                    | 10.74 Gal. (40.7 liters)              |
| Capacity, Full to Top Plate              | 232.00 Gal. (878.1 liters)            |
| Capacity, High on Sight Gauge            | 201.75 Gal. (763.6 liters)            |
| Capacity, Low on Sight Gauge             | 167.56 Gal. (634.2 liters)            |
| <b>Pump Data*</b>                        |                                       |
| Flow Range                               | Up to 70 gpm (264.9 lpm)              |
| Pressure Range                           | Up to 2000 psi (138 bar)              |
| Power Range                              | Up to 75 HP (55.9 kW)                 |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

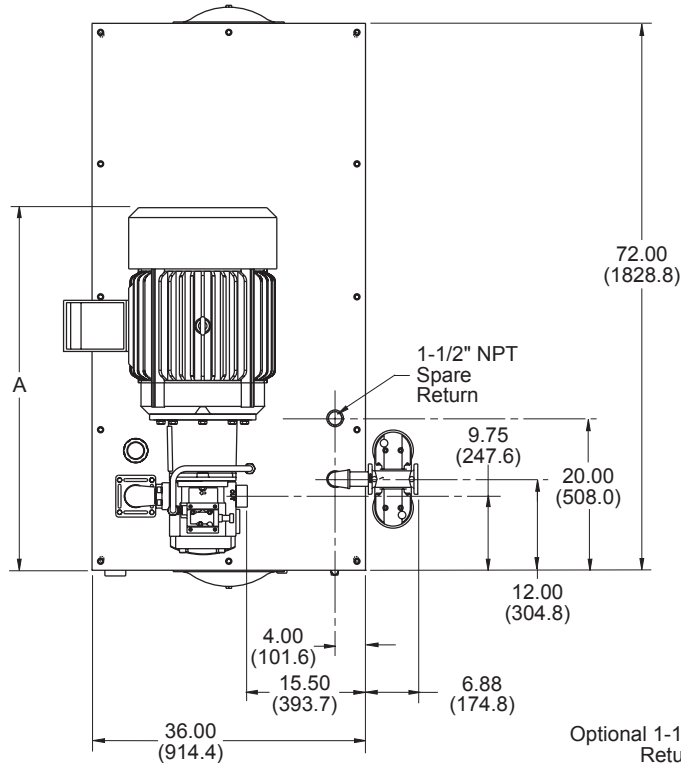
# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Dimension Drawing - With PVX20/29/36 Vane Pump

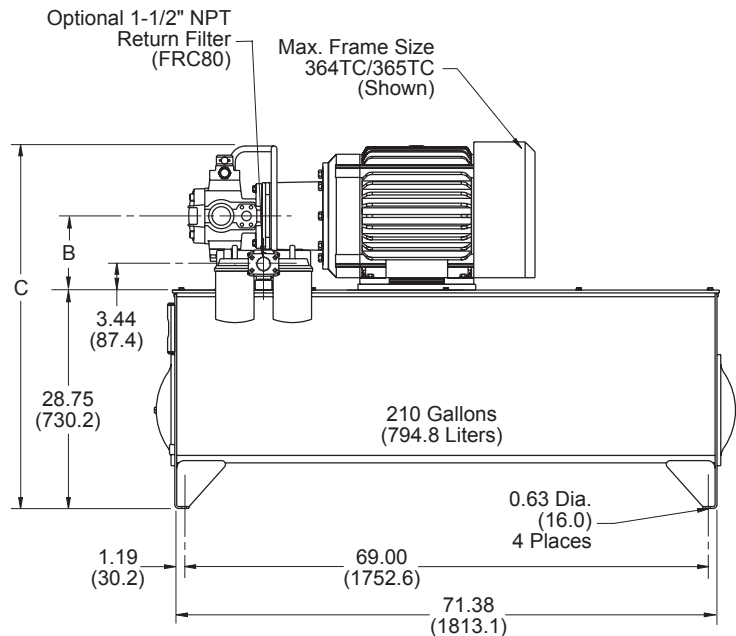
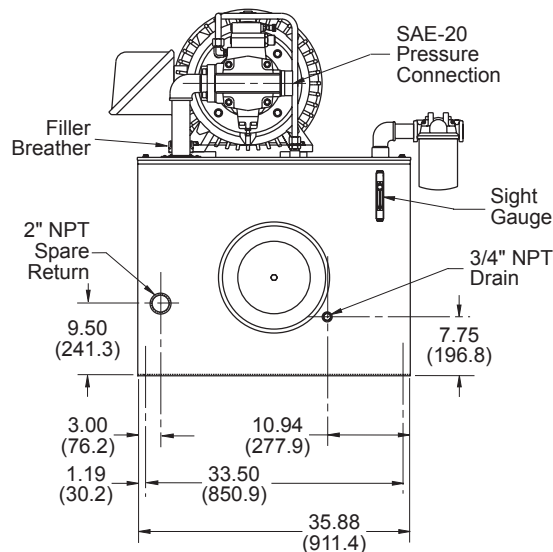


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

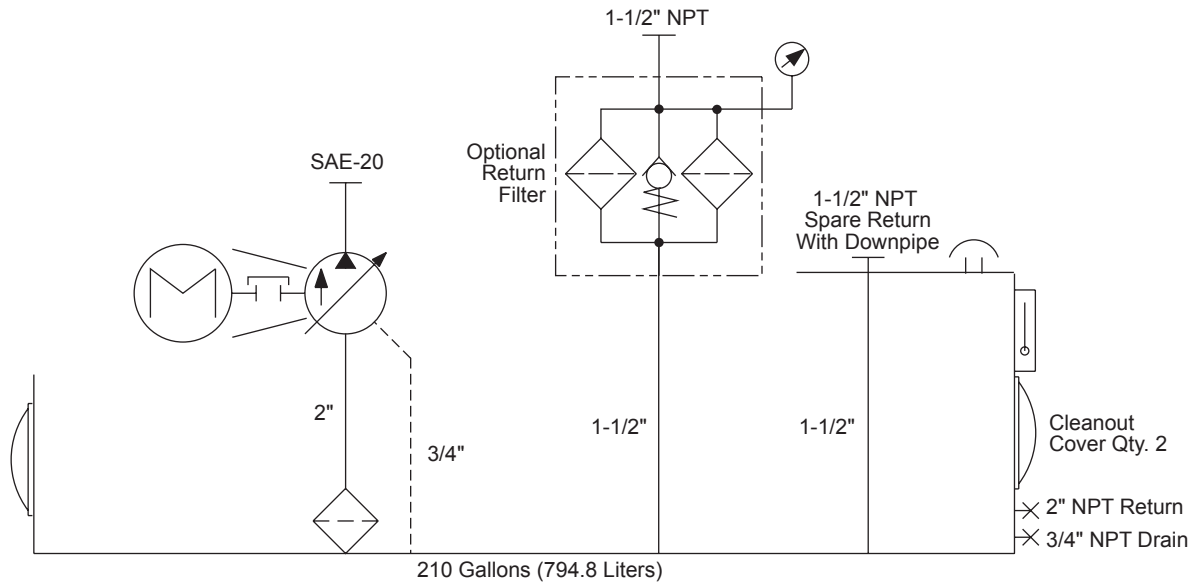
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 38.07 (967.0)  | 7.00 (177.8) | 46.00 (1168.4) |
| 256TC       | 39.77 (1010.2) | 7.00 (177.8) | 46.00 (1168.4) |
| 284TC       | 41.57 (1055.9) | 7.75 (196.8) | 46.75 (1187.4) |
| 286TC       | 43.07 (1094.0) | 7.75 (196.8) | 46.75 (1187.4) |
| 324TC       | 44.61 (1133.1) | 8.75 (222.2) | 47.75 (1212.8) |
| 326TC       | 44.61 (1133.1) | 8.75 (222.2) | 47.75 (1212.8) |
| 364TC       | 48.11 (1222.0) | 9.75 (247.6) | 48.75 (1238.2) |
| 365TC       | 48.11 (1222.0) | 9.75 (247.6) | 48.75 (1238.2) |



# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Schematic and Specifications - With PVX20/29/36 Vane Pump



| GENERAL SPECIFICATIONS                   | R210                                          |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 210 Gal. (794.8 liters)                       |
| Surface Area For Heat Transfer           | 43.84 sq. ft. (4.07 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 990 lbs. (449.1 kg)                           |
| Usable Gallons                           | 109.36 Gal. (413.9 liters)                    |
| Gallons Per Inch Rise                    | 10.74 Gal. (40.7 liters)                      |
| Capacity, Full to Top Plate              | 232.00 Gal. (878.1 liters)                    |
| Capacity, High on Sight Gauge            | 201.75 Gal. (763.6 liters)                    |
| Capacity, Low on Sight Gauge             | 167.56 Gal. (634.2 liters)                    |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 36 gpm (136.3 lpm)                      |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

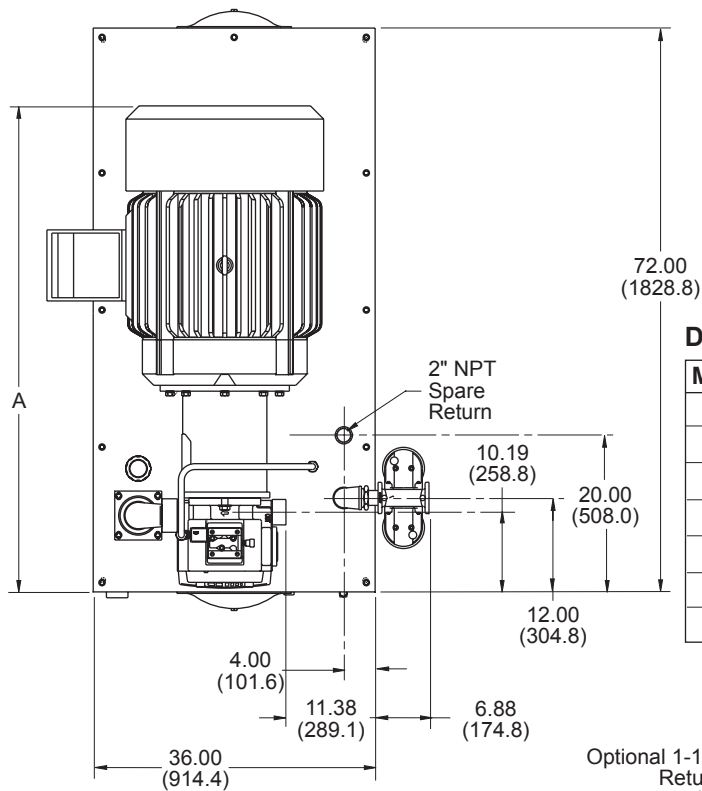
# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Dimension Drawing - With PVX46/60/75 Vane Pump

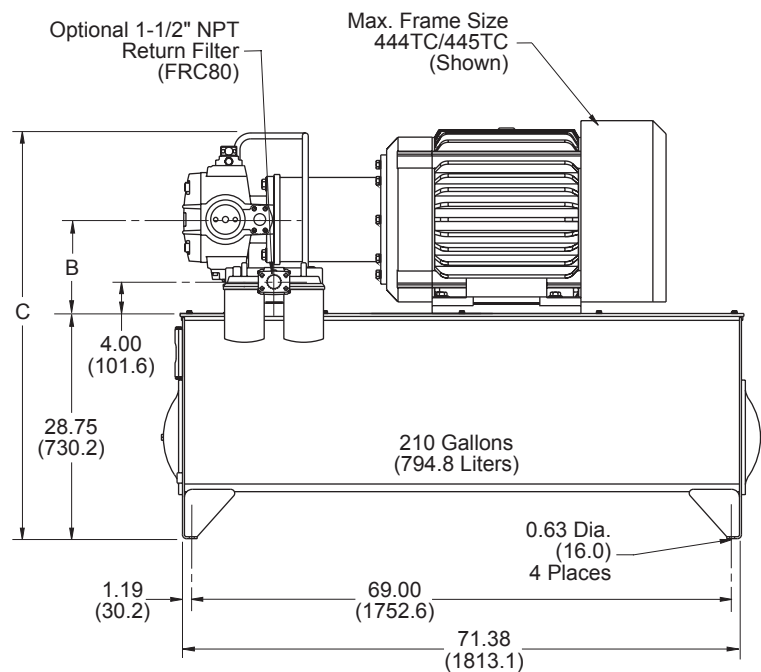
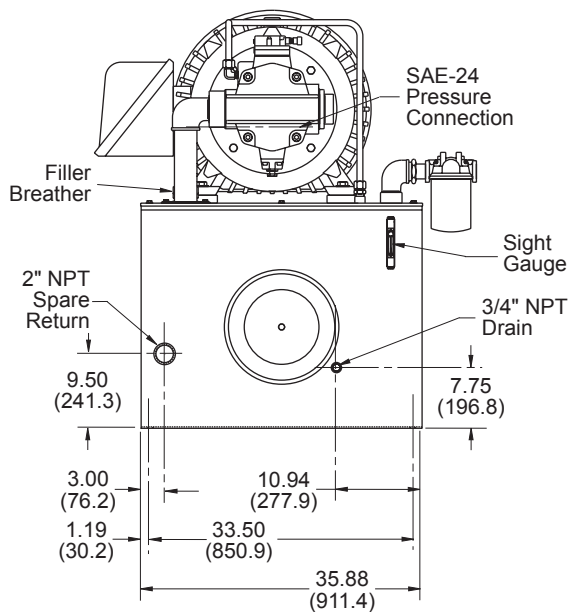


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

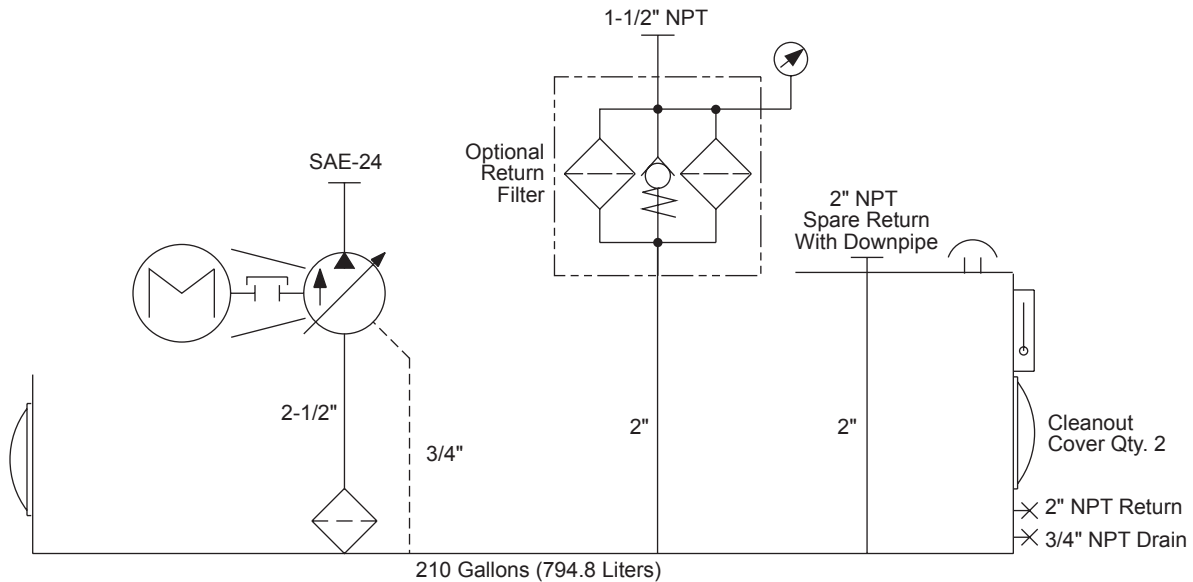
| Motor Frame | A              | B             | C              |
|-------------|----------------|---------------|----------------|
| 324TC       | 46.20 (1173.5) | 8.75 (222.2)  | 48.00 (1219.2) |
| 326TC       | 46.20 (1173.5) | 8.75 (222.2)  | 48.00 (1219.2) |
| 364TC       | 49.21 (1249.9) | 9.75 (247.6)  | 49.00 (1244.6) |
| 365TC       | 49.21 (1249.9) | 9.75 (247.6)  | 49.00 (1244.6) |
| 404TC       | 55.57 (1411.5) | 11.00 (279.4) | 50.25 (1276.3) |
| 405TC       | 55.57 (1411.5) | 11.00 (279.4) | 50.25 (1276.3) |
| 444TC       | 62.50 (1587.5) | 12.00 (304.8) | 51.25 (1301.7) |



# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Schematic and Specifications - With PVX46/60/75 Vane Pump



| GENERAL SPECIFICATIONS                   | R210                                  |
|------------------------------------------|---------------------------------------|
| Reservoir Capacity                       | 210 Gal. (794.8 liters)               |
| Surface Area For Heat Transfer           | 43.84 sq. ft. (4.07 m <sup>2</sup> )  |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x ΔT / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 996 lbs. (451.8 kg)                   |
| Usable Gallons                           | 90.57 Gal. (342.8 liters)             |
| Gallons Per Inch Rise                    | 10.74 Gal. (40.7 liters)              |
| Capacity, Full to Top Plate              | 232.00 Gal. (878.1 liters)            |
| Capacity, High on Sight Gauge            | 201.75 Gal. (763.6 liters)            |
| Capacity, Low on Sight Gauge             | 167.56 Gal. (634.2 liters)            |
| <b>Pump Data*</b>                        |                                       |
| Flow Range                               | Up to 75 gpm (283.9 lpm)              |
| Pressure Range                           | Up to 2500 psi (172 bar)              |
| Power Range                              | Up to 125 HP (93.2 kW)                |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

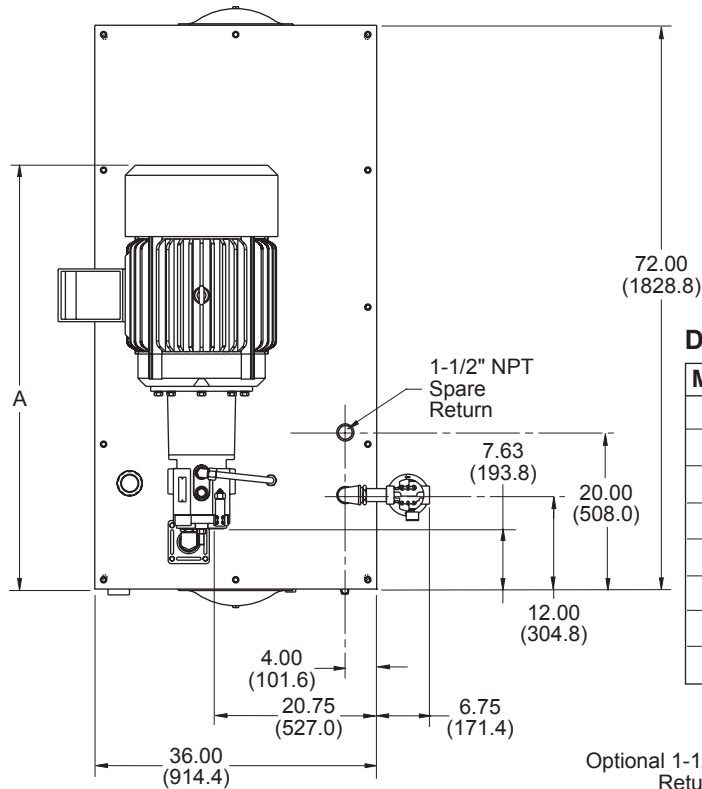
# NFPA/JIC Style Power Units

210 GALLON CAPACITY

Dimension Drawing - With HPV29 Piston Pump

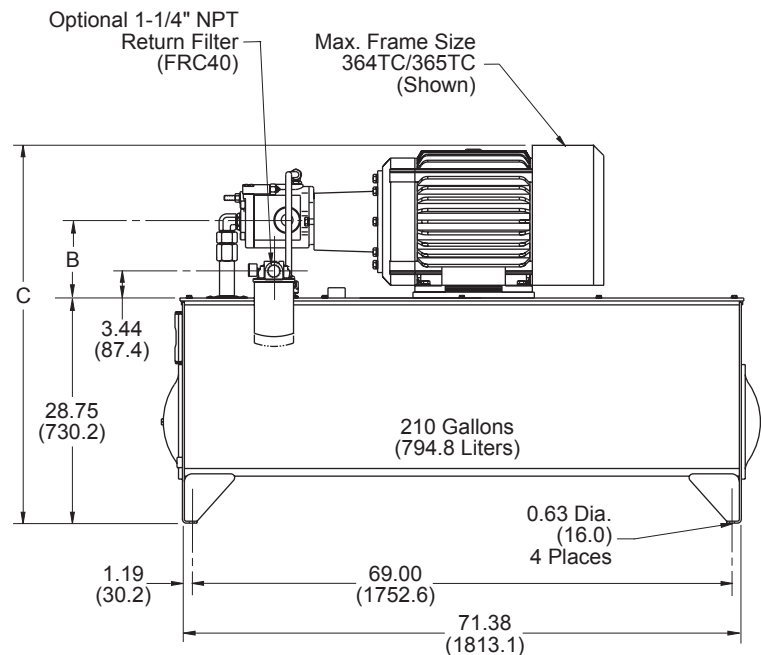
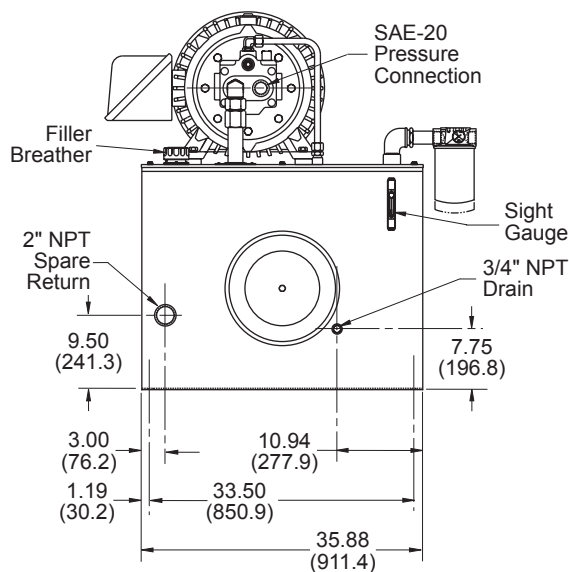


Dimensions shown in: Inches (± .125)  
(millimeters (± 1 mm))



## Dimensions

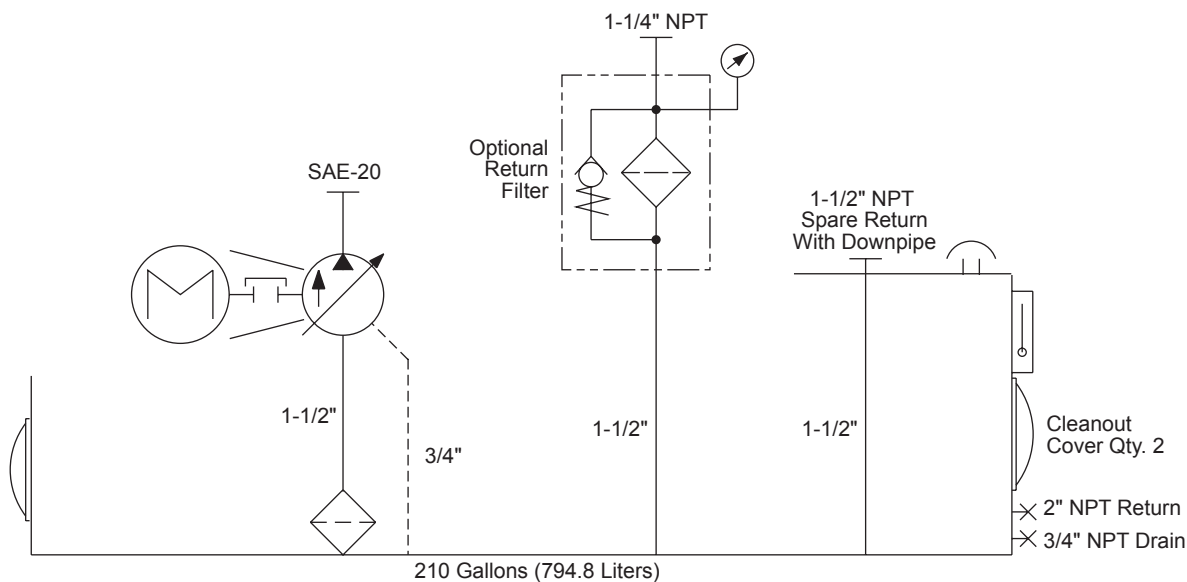
| Motor Frame | A              | B            | C              |
|-------------|----------------|--------------|----------------|
| 254TC       | 43.35 (1101.1) | 7.00 (177.8) | 42.38 (1076.5) |
| 256TC       | 45.05 (1144.3) | 7.00 (177.8) | 42.38 (1076.5) |
| 284TC       | 46.05 (1169.7) | 7.75 (196.8) | 43.88 (1114.6) |
| 286TC       | 48.35 (1228.1) | 7.75 (196.8) | 43.88 (1114.6) |
| 324TC       | 49.89 (1267.2) | 8.75 (222.2) | 45.85 (1164.6) |
| 326TC       | 49.89 (1267.2) | 8.75 (222.2) | 45.85 (1164.6) |
| 364TC       | 54.13 (1374.9) | 9.75 (247.6) | 47.75 (1212.8) |
| 365TC       | 54.13 (1374.9) | 9.75 (247.6) | 47.75 (1212.8) |



## NFPA/JIC Style Power Units

210 GALLON CAPACITY

Schematic and Specifications - With HPV29 Piston Pump



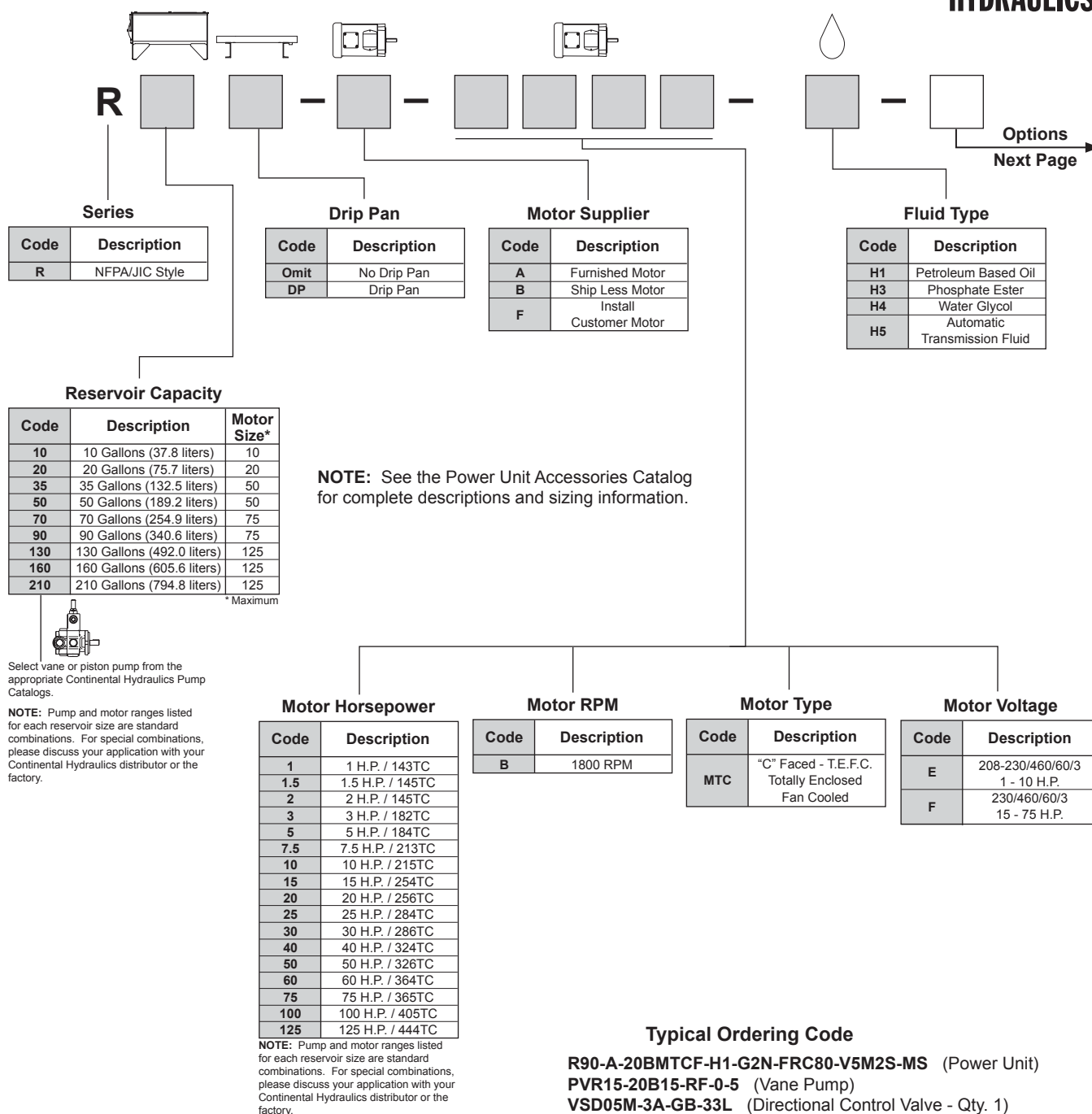
| GENERAL SPECIFICATIONS                   | R210                                          |
|------------------------------------------|-----------------------------------------------|
| Reservoir Capacity                       | 210 Gal. (794.8 liters)                       |
| Surface Area For Heat Transfer           | 43.84 sq. ft. (4.07 m <sup>2</sup> )          |
| Heat Dissipation                         | Sq. Ft. of Vertical Steel x $\Delta T$ / 1000 |
| Basic Weight (Less Oil, Pump, and Motor) | 994 lbs. (450.9 kg)                           |
| Usable Gallons                           | 109.36 Gal. (413.9 liters)                    |
| Gallons Per Inch Rise                    | 10.74 Gal. (40.7 liters)                      |
| Capacity, Full to Top Plate              | 232.00 Gal. (878.1 liters)                    |
| Capacity, High on Sight Gauge            | 201.75 Gal. (763.6 liters)                    |
| Capacity, Low on Sight Gauge             | 167.56 Gal. (634.2 liters)                    |
| <b>Pump Data*</b>                        |                                               |
| Flow Range                               | Up to 29 gpm (109.8 lpm)                      |
| Pressure Range                           | Up to 3000 psi (207 bar)                      |
| Power Range                              | Up to 75 HP (55.9 kW)                         |

\* See Continental Hydraulics Vane Pump or Piston Pump Catalogs for complete codes and specifications.

# NFPA/JIC Style Power Units

10 TO 210 GALLON CAPACITY

Ordering Information - Standard Unit



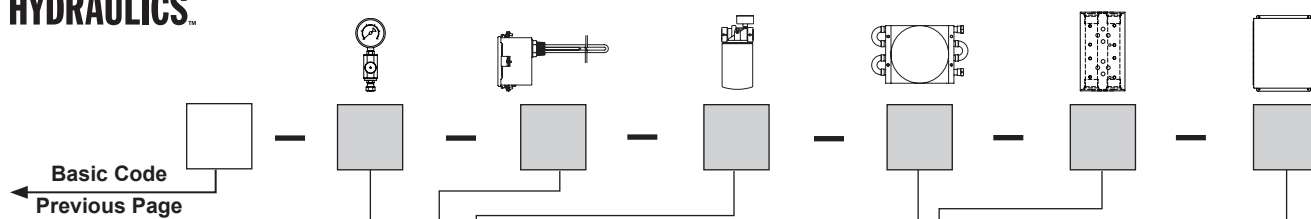
## Typical Ordering Code

**R90-A-20BMTCF-H1-G2N-FRC80-V5M2S-MS** (Power Unit)  
**PVR15-20B15-RF-0-5** (Vane Pump)  
**VSD05M-3A-GB-33L** (Directional Control Valve - Qty. 1)  
**F05MSV-NDC-AA** (Flow Control Valve - Qty. 1)  
**BD05-400** (Bolt Kit - Qty. 1)  
**VSD05M-3F-G-33L** (Directional Control Valve - Qty. 1)  
**BD05-175** (Bolt Kit - Qty. 1)  
**MS-20-460-3-4** (Motor Starter - Qty. 1)

# NFPA/JIC Style Power Units

## 10 TO 210 GALLON CAPACITY

### Ordering Information - Options



Basic Code  
Previous Page

#### Pressure

| Code | Description                                           |
|------|-------------------------------------------------------|
| Omit | No Gauge                                              |
| G1   | Pressure Gauge 0 - 1000 psi, SAE-4                    |
| G1.5 | Pressure Gauge 0 - 1500 psi, SAE-4                    |
| G2   | Pressure Gauge 0 - 2000 psi, SAE-4                    |
| G3   | Pressure Gauge 0 - 3000 psi, SAE-4                    |
| G5   | Pressure Gauge 0 - 5000 psi, SAE-4                    |
| N    | Needle Valve SAE-4                                    |
| IV   | Gauge Isolator, 14 NPT<br>Push to Read/Defent         |
| RV1  | Relief Valve, SAE-8<br>150 - 4500 psi (10 - 310 bar)  |
| RV2  | Relief Valve, SAE-12<br>150 - 4500 psi (10 - 310 bar) |
| RV6  | Relief Valve, SAE-16<br>150 - 4500 psi (10 - 310 bar) |
| AB   | Air Bleed Valve, SAE-6 8 gpm (30.3 liters)            |

#### Mechanical or Electrical

| Code | Description                                                   |
|------|---------------------------------------------------------------|
| Omit | No Mechanic or Electrical Options                             |
| D    | Tank Drain 3/4 NPT                                            |
| M    | Magnet Separator                                              |
| CV06 | Check Valve SAE-6<br>3000 psi (207 Bar) 7 psi (.5 bar) Crack  |
| CV08 | Check Valve SAE-8<br>3000 psi (207 Bar) 7 psi (.5 bar) Crack  |
| CV12 | Check Valve SAE-12<br>3000 psi (207 Bar) 7 psi (.5 bar) Crack |
| CV16 | Check Valve SAE-16<br>3000 psi (207 Bar) 7 psi (.5 bar) Crack |
| CV20 | Check Valve SAE-20<br>3000 psi (207 Bar) 7 psi (.5 bar) Crack |
| CV24 | Check Valve SAE-24<br>3000 psi (207 Bar) 7 psi (.5 bar) Crack |
| BV08 | Ball Valve SAE-8, 6000 psi (414 Bar)*                         |
| BV12 | Ball Valve SAE-12, 6000 psi (414 Bar)*                        |
| BV16 | Ball Valve SAE-16, 6000 psi (414 Bar)*                        |
| BV20 | Ball Valve SAE-20, 6000 psi (414 Bar)*                        |
| BV24 | Ball Valve SAE-24, 6000 psi (414 Bar)*                        |
| BV32 | Ball Valve SAE-32, 6000 psi (414 Bar)*                        |
| FM1  | Flow Meter 0 - 10 gpm (0 - 37.8 liters)                       |
| FM2  | Flow Meter 2 - 30 gpm (7.8 - 113.5 liters)                    |
| FM3  | Flow Meter 10-75 gpm (37.8-283.9 liters)                      |
| LT   | Level/Temperature Switch                                      |
| PS1  | Pressure Switch                                               |
| TS1  | Temperature Switch                                            |
| TH   | Tank Heater                                                   |

\* Rated pressure

#### Heat Exchanger

| Code   | Description                                                          |
|--------|----------------------------------------------------------------------|
| Omit   | No Heat Exchanger                                                    |
| HEW11C | Water-to-Oil Cooler HEW-11 For Case Drain                            |
| HEW11R | Water-to-Oil Cooler System Return                                    |
| HEW21R | Water-to-Oil Cooler HEW-21 For System Return With Bypass             |
| HEW31R | Water-to-Oil Cooler HEW-31 For System Return With Bypass             |
| HEW33R | Water-to-Oil Cooler HEW-33 For System Return With Bypass             |
| MHE2   | Water Modulating Valve 1/2 NPT<br>25 gpm (94.6 liters)               |
| MHE3   | Water Modulating Valve 3/4 NPT<br>40 gpm (151.4 liters)              |
| MHE4   | Water Modulating Valve 1 NPT<br>55 gpm (208.2 liters)                |
| Y2     | Water "Y" Strainer 1/2 NPT                                           |
| Y3     | Water "Y" Strainer 3/4 NPT                                           |
| Y4     | Water "Y" Strainer 1 NPT                                             |
| HEA41C | Air-to-Oil Cooler HEA-41 For Case Drain                              |
| HEA42C | Air-to-Oil Cooler HEA-42 For Case Drain                              |
| HEA44C | Air-to-Oil Cooler HEA-44 For Case Drain                              |
| HEA19C | Air-to-Oil Cooler SAE-12, 10 psi (.7 bar)<br>Bypass For Case Drain   |
| HEA41R | Air-to-Oil Cooler HEA-41 For System Return                           |
| HEA42R | Air-to-Oil Cooler HEA-42 For System Return                           |
| HEA19R | Air-to-Oil Cooler SAE-12, 30 psi (2 bar)<br>Bypass For System Return |
| HEA22R | Air-to-Oil Cooler SAE-12, 30 psi (2 bar)<br>Bypass For System Return |
| HEA24R | Air-to-Oil Cooler SAE-12, 30 psi (2 bar)<br>Bypass For System Return |
| HEA33R | Air-to-Oil Cooler SAE-16, 30 psi (2 bar)<br>Bypass For System Return |
| HEA37R | Air-to-Oil Cooler SAE-20, 30 psi (2 bar)<br>Bypass For System Return |
| HEA50R | Air-to-Oil Cooler SAE-20, 30 psi (2 bar)<br>Bypass For System Return |
| HEA54R | Air-to-Oil Cooler SAE-24, 30 psi (2 bar)<br>Bypass For System Return |
| HEA57R | Air-to-Oil Cooler SAE-32, 30 psi (2 bar)<br>Bypass For System Return |
| HEA70R | Air-to-Oil Cooler SAE-32, 30 psi (2 bar)<br>Bypass For System Return |

#### Filter

| Code  | Description                           |
|-------|---------------------------------------|
| Omit  | No Filters                            |
| FR*10 | Return Filter 10 gpm (37.8 liters)    |
| FR*40 | Return Filter 40 gpm (151.4 liters)   |
| FR*80 | Return Filter 80 gpm (302.8 liters)   |
| FP*10 | Pressure Filter 10 gpm (37.8 liters)  |
| FP*20 | Pressure Filter 20 gpm (75.7 liters)  |
| FP*50 | Pressure Filter 50 gpm (189.2 liters) |
| FP*70 | Pressure Filter 70 gpm (264.9 liters) |

NOTE: All have 10 Micron element with indicator.

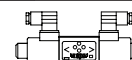
| Code | Description          |
|------|----------------------|
| *    |                      |
| C    | Visual Indicator     |
| E    | Electrical indicator |

#### Motor Starter

| Code | Description                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------|
| Omit | No Motor Starter                                                                                            |
| MS   | Motor Starter<br>(See Power Unit Accessories Catalog For Selection and Sizing - Add Model Code as Required) |

#### Valve Mounting

| Code  | Description                                  |
|-------|----------------------------------------------|
| Omit  | No Manifold                                  |
| S3S   | Valve Subplate D03 - SAE-8 Ports             |
| S5S   | Valve Subplate D05 - SAE-8 Ports             |
| S8S   | Valve Subplate D08 - SAE-20 Ports            |
| V3M1S | D03 Valve Manifold 1 Station<br>SAE-8 Ports  |
| V3M2S | D03 Valve Manifold 2 Station<br>SAE-8 Ports  |
| V3M3S | D03 Valve Manifold 3 Station<br>SAE-8 Ports  |
| V3M4S | D03 Valve Manifold 4 Station<br>SAE-8 Ports  |
| V3M5S | D03 Valve Manifold 5 Station<br>SAE-8 Ports  |
| V3M6S | D03 Valve Manifold 6 Station<br>SAE-8 Ports  |
| V5M1S | D05 Valve Manifold 1 Station<br>SAE-8 Ports  |
| V5M2S | D05 Valve Manifold 2 Station<br>SAE-8 Ports  |
| V5M3S | D05 Valve Manifold 3 Station<br>SAE-8 Ports  |
| V5M4S | D05 Valve Manifold 4 Station<br>SAE-8 Ports  |
| V5M5S | D05 Valve Manifold 5 Station<br>SAE-8 Ports  |
| V5M6S | D05 Valve Manifold 6 Station<br>SAE-8 Ports  |
| V8M1S | D08 Valve Manifold 1 Station<br>SAE-16 Ports |
| V8M2S | D08 Valve Manifold 2 Station<br>SAE-16 Ports |
| V8M3S | D08 Valve Manifold 3 Station<br>SAE-16 Ports |



Select valves as required from the appropriate Continental Hydraulics Catalogs.

For subplate/manifold dimensions and specifications, see the Continental Hydraulics Subplate and Manifold Catalog.

**NOTE:** See the Power Unit Accessories Catalog for complete descriptions and sizing information.  
Add model code as required.



富业行（国际）发展公司  
FULL YEAR( INTERNATIONAL )TRADING CO.

香港总公司 /Hong Kong Head Office:  
香港九龙葵涌华星街 8-10 号  
华达工业中心 B 座 11 楼 14 室  
RM.1114,11/F,Blk.B.Wah Tat Ind., Ctr.,  
8-10 Wah Sing St.,Kwai Chung Kln.,HK.  
电话 /Tel : (852) 2410 8123  
传真 /Fax : (852) 2401 2440

上海分公司 /Shanghai Office:  
上海市即墨路 95 号 905 室 邮编: 200120  
Rm.905,NO.95 Ji Mo Rd.,  
Shanghai,China.P.C./200120  
电话 /Tel : (021)5878 0503  
传真 /Fax : (021)5878 1552\*613