

Body Dimer Optional Dis Arrangem

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# S100 Series Fire Pump Dimensional Drawings With Victualic® Intake Fitting

| Basic Pump Dimensions (Without Transmission) |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Feature                                      |  |  |  |  |  |  |
| Body and Intake Dimensions                   |  |  |  |  |  |  |
| Blank (5 in. ANSI Flange) Dimensions         | 4  |  |  |  |  |  |
| 4 in. ANSI Flanged Adapter Dimensions        | 5  |  |  |  |  |  |
| Manifold Dimensions                          | 6  |  |  |  |  |  |
|  | Feature<br>dy and Intake Dimensions<br>Blank (5 in. ANSI Flange) Dimensions<br>4 in. ANSI Flanged Adapter Dimensions |  |  |  |  |  |

# S101 Series Fire Pump Dimensional Drawings With Crosspipe Intake Fitting

| Basic Pump Dimensions (Without Transmission) |                  |                                 |    |  |  |  |  |
|--|------------------|---------------------------------|----|--|--|--|--|
|  | Featu            | See Page                        |    |  |  |  |  |
|  | Pı               | 41, 42                          |    |  |  |  |  |
| ensions                                      | Intoka Cracanina | Available Intake Fittings       | 43 |  |  |  |  |
|  | Intake Crosspipe | Avaliable Tank to Pump Fittings | 44 |  |  |  |  |
| ischarge                                     | Bla              | 45                              |    |  |  |  |  |
| ments  | Manifo           | 6                               |    |  |  |  |  |
|  | 1                |                                 | 1  |  |  |  |  |

Pump and Transmission - See Page 2

### Issue Date 12/08/22

### Rev. Date 12/08/22

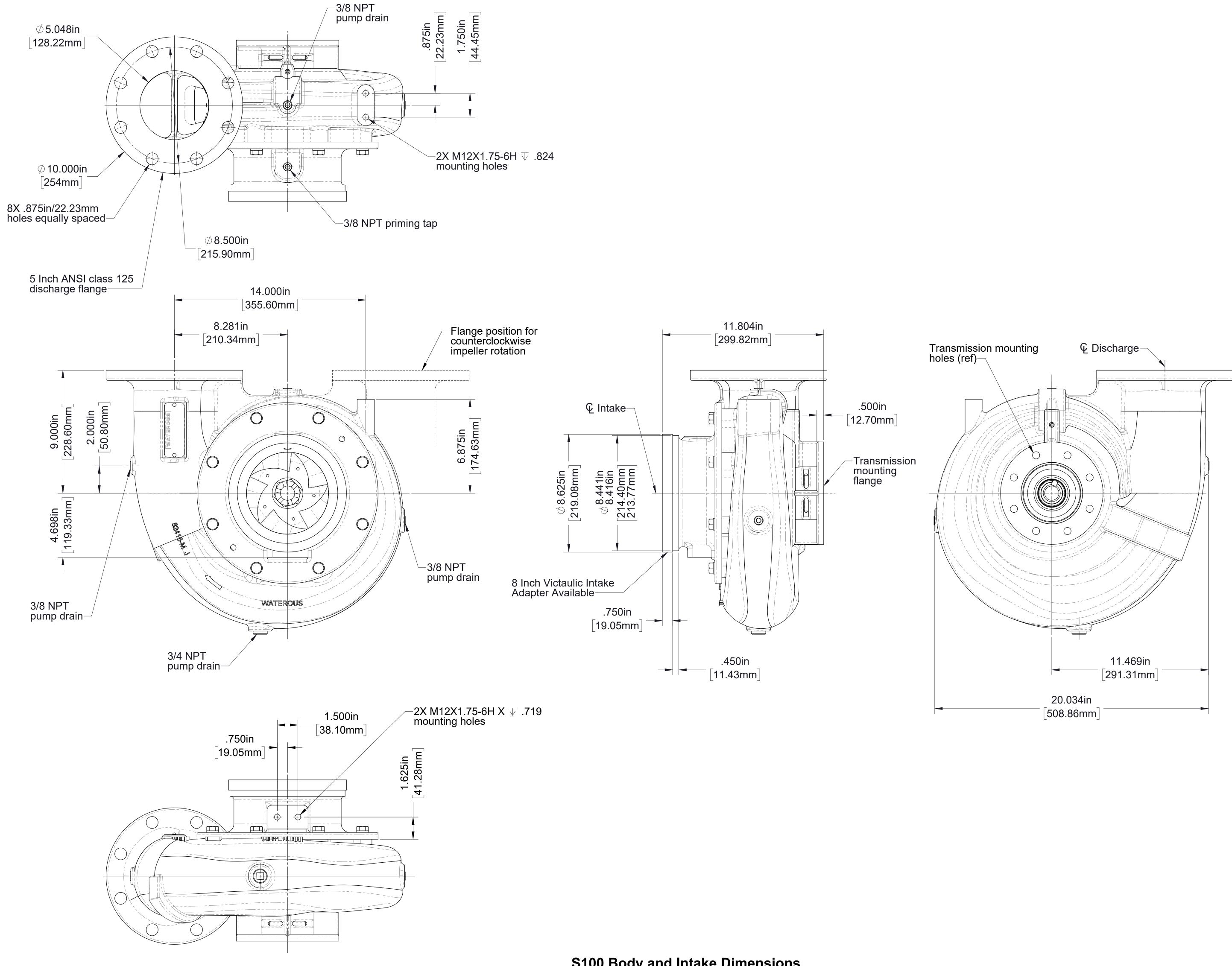
|  |                           |   |   |                   | Pump and                                     | Transmission   |                    |                                       |                         |                       |                    |
|--|---------------------------|---|---|-------------------|--|----------------|--------------------|---------------------------------------|-------------------------|-----------------------|--------------------|
| Drive  |                           |   |   |                   | See Page                                     |                |                    |                                       |                         |                       |                    |
|  |                           |   |   | Impeller Rotation |  |                |                    |                                       | Optional Discl          | harge Fitting Mountin | ig on Pump         |
| Туре   | Driveline Type            | Input Rotation<br>(1)                                       | Pump Body Mounting<br>on Transmission                     | (2)               | Pump Model                                   | Hydraulic Pump | Mounting Provision | Available Pump<br>Discharge Positions | Discharge I             | Manifold              | 4 in. ANSI Flanged |
|  |                           |   |   |                   |  | No             | Yes                | and Ordering Info                     | Perpendicular to Intake | Parallel to Intake    | Adapter            |
|  | Input and Output          | $\sim 10^{-10}$   | Front<br>(Input Shaft Side)                               | CW                | S101C22C<br>S101C22D<br>S101C22E<br>S101C22F | 7              | 8                  | 9                                     | 29                      | 35                    |                    |
| C22 Series<br>Split Shaft Chain<br>Drive Transmission                            | Input and Output<br>Shaft | CW<br>Rear<br>(Output Shaft                                 | Rear<br>(Output Shaft Side)                               | CCW               | S101C22C<br>S101C22D<br>S101C22E<br>S101C22F | 10             | 11                 | 12                                    | 30                      | 36                    |                    |
|  | Input Shaft Only          | nput Shaft Only CW  | Front<br>(Input Shaft Side)                               | CW                | S101C22C<br>S101C22D<br>S101C22E<br>S101C22F | 13             | 14                 | 15                                    | 29                      | 35                    |                    |
|  |                           |   | Rear<br>(Opposite Input Shaft<br>Side)                    | CCW               | S101C22C<br>S101C22D<br>S101C22E<br>S101C22F | 16             | 17                 | 18                                    | 30                      | 36                    |                    |
| Direct Drive   | 1410 Series End<br>Yoke   | CW  | Opposite Input Shaft                                      | CCW               | S100D  | 19             | N/A                | 20                                    | 31                      | 37                    | 5                  |
| Connection from<br>P.T.O.  |                           | CCW   | Opposite Input Shaft                                      | CW                | S100D  | 21             | N/A                | 22                                    | 32                      | 38                    |                    |
| PA Series<br>PTO Driven, Chain<br>Driven Transmission                            | Input Shaft Only          | CW  | Input Shaft Side  | CW                | S100PA                                       | 23             | N/A                | 24                                    | 33                      | 39                    |                    |
| QC Series<br>PTO Driven, Chain<br>Drive Transmission<br>(Direct Engine<br>Mount) | Input Shaft Only          | nput Shaft Only<br>CW<br>Rear (Output Sha<br>Side) Inverted |   | CW                | 040000                                       | 25             | N/A                | 26                                    | 34                      | 40                    |                    |
|  |                           |   | Rear (Output Shaft<br>Side) Inverted<br>Transmission Case | CW                | - S100QC                                     | 27             | N/A                | 28                                    | See No                  | ote 3                 |                    |

|   | Pump and Transmission                    |  |                                     |  |                  |                    |  |   |              |  |
|---|--|--|-------------------------------------|--|------------------|--------------------|--|---|--------------|--|
|   | Drive                                    |  |                                     |  |                  |                    | See  | e Page  |              |  |
| Туре  | Pump Body<br>Mounting on<br>Transmission | Input rotation<br>(1) Driveline Type         | Impeller Rotation<br>(2) Pump Model |  | Hydraulic Pump I | Mounting Provision | Available Pump<br>Discharge Positions<br>and Ordering Info | Optional Discharge<br>Manifold Mounting<br>on Pump<br>(Perpendicular to<br>Intake Only) |              |  |
|   |  |  |                                     |  |                  | No                 | Yes  |   | Intake Only) |  |
| C22 Series Split<br>Shaft Chain Drive<br>Transmission Front (Input Shaft<br>Side) |  | Input and Output<br>Shaft                    | CW                                  | S101C22C<br>S101C22D<br>S101C22E<br>S101C22F | 46, 50           | 47, 50             |  |   |              |  |
|   | Front (Input Shaft<br>Side)              | Front (Input Shaft CW Side) Input Shaft Only | CW                                  | S101C22C<br>S101C22D<br>S101C22E<br>S101C22F | 48, 50           | 49, 50             | 51   | 52  |              |  |

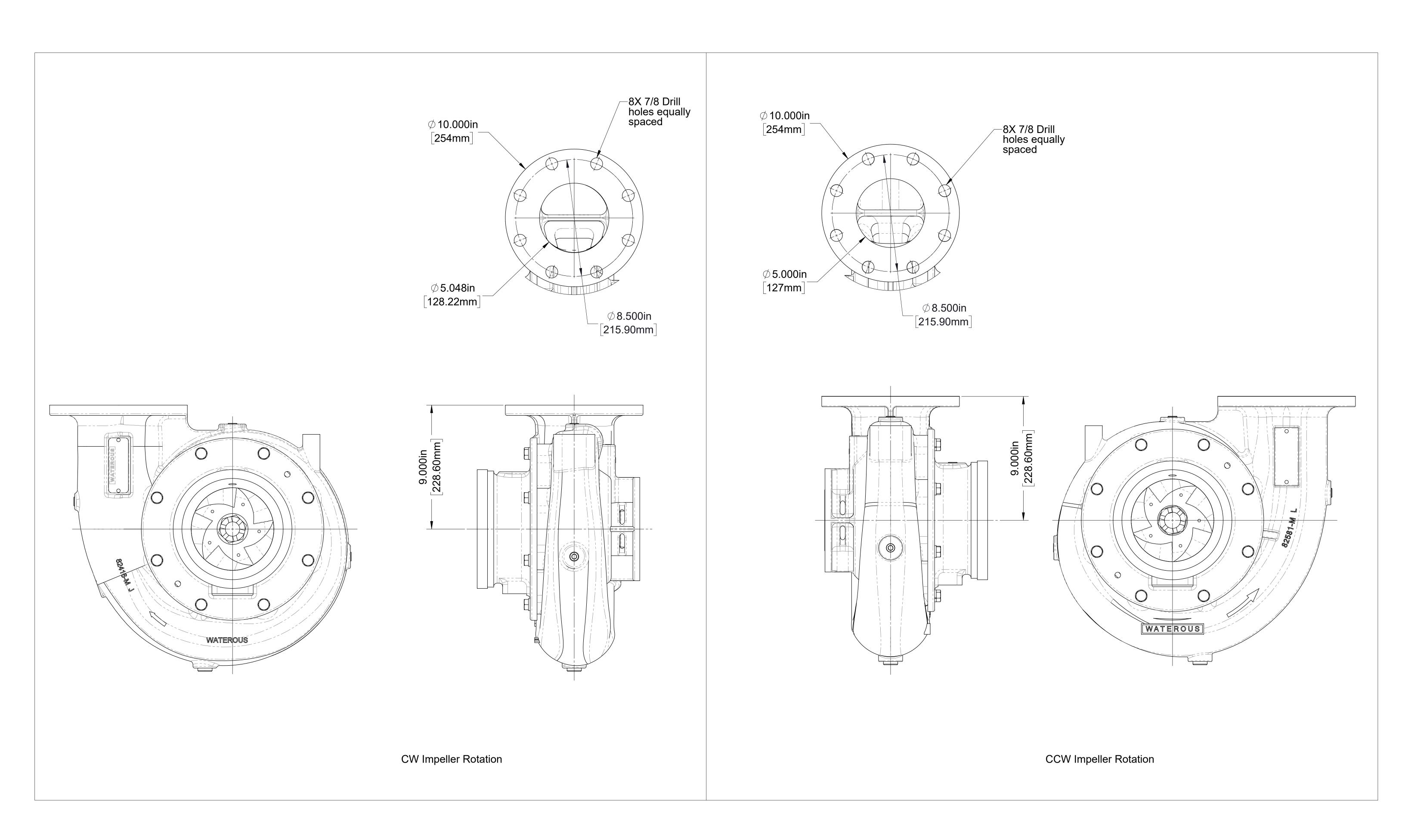
- Notes: 1. Input rotation is viewed looking directly at the transmission input shaft or direct drive end yoke. 2. Impeller rotation is viewed looking directly at the intake fitting (impeller eye). 3. Discharge manifold only available with direct engine mounted QC when case is vertical. Inverted case interferes with manifold.

# S100 Series Fire Pump Dimensional Drawings With Victualic® Intake Fitting

S101 Series Fire Pump Dimensional Drawings With Crosspipe Intake Fitting

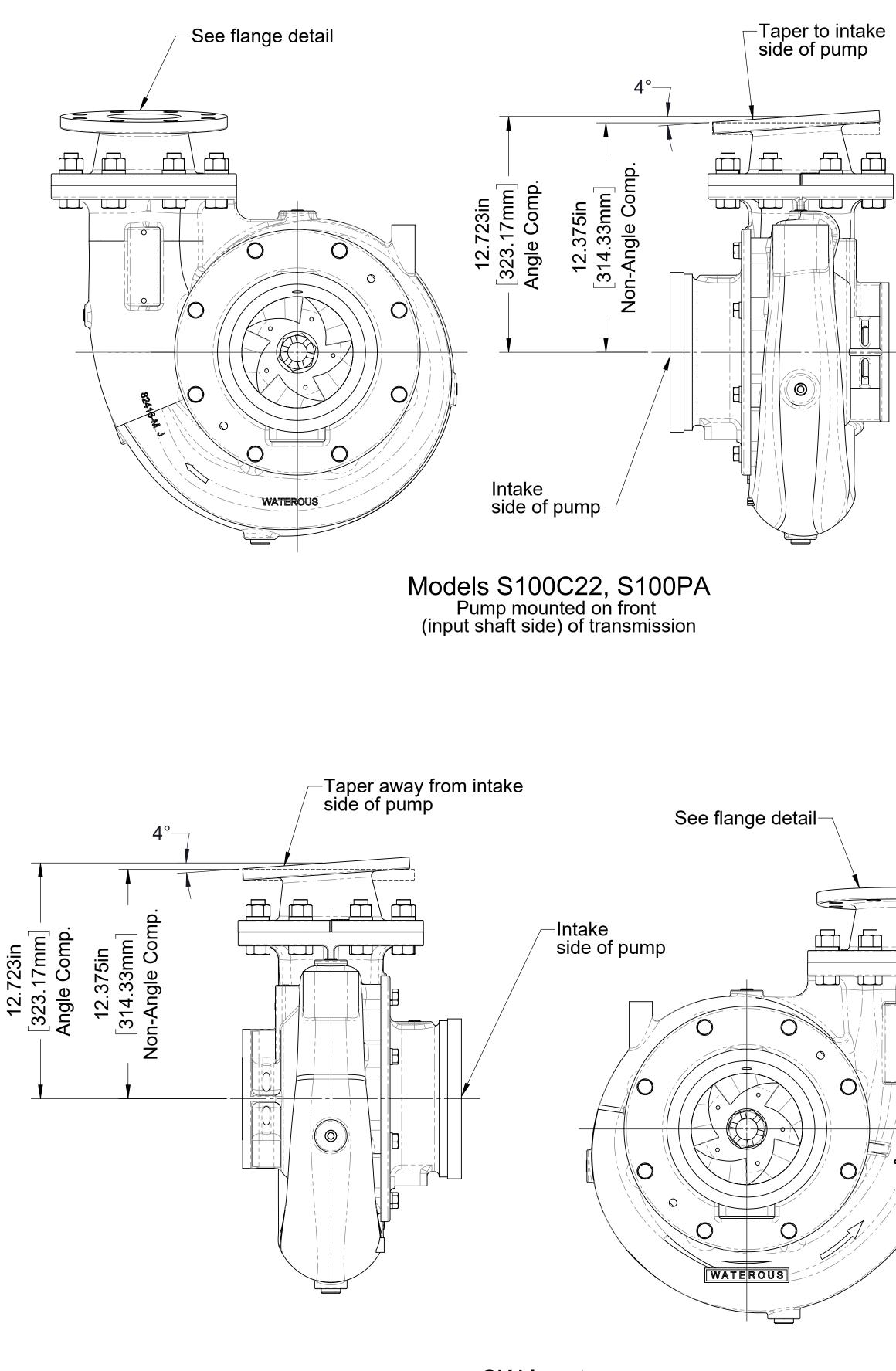


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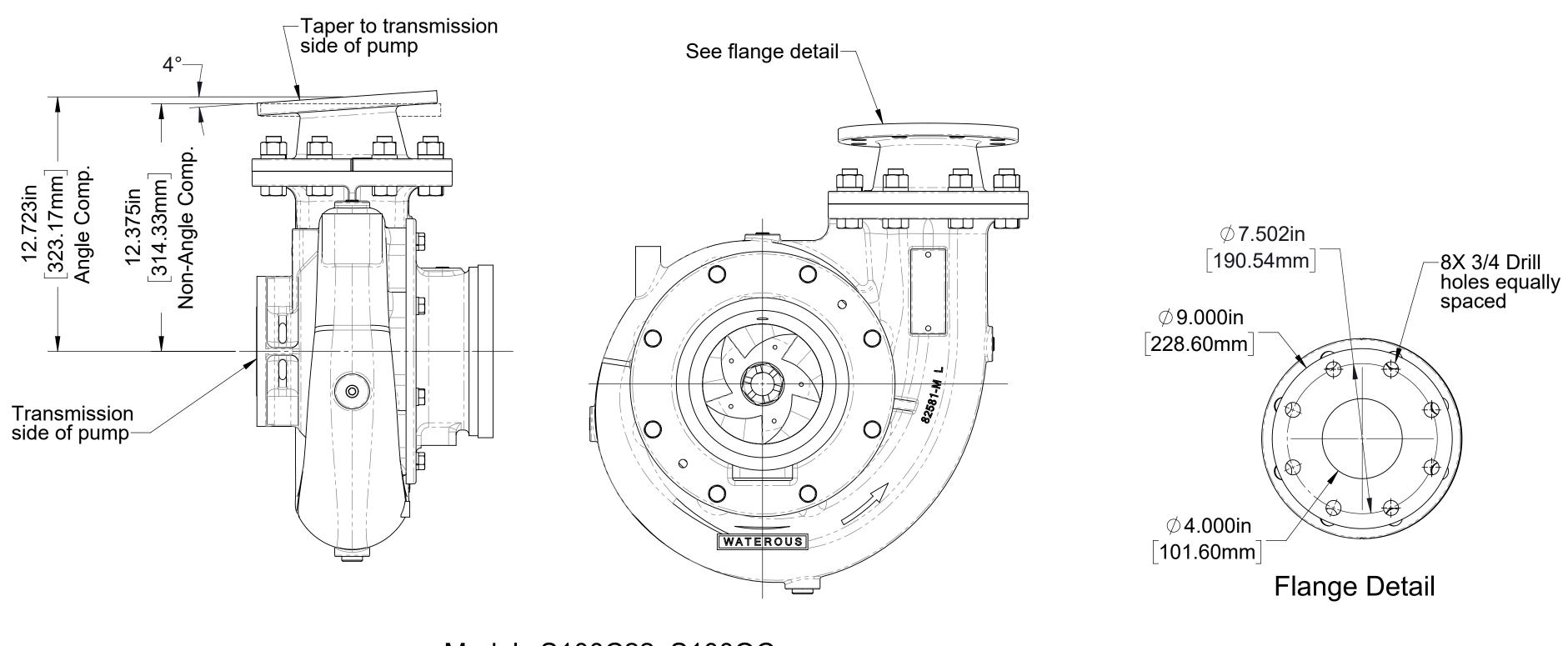


### S100 Optional Blank Discharge (5 in. ANSI flange)

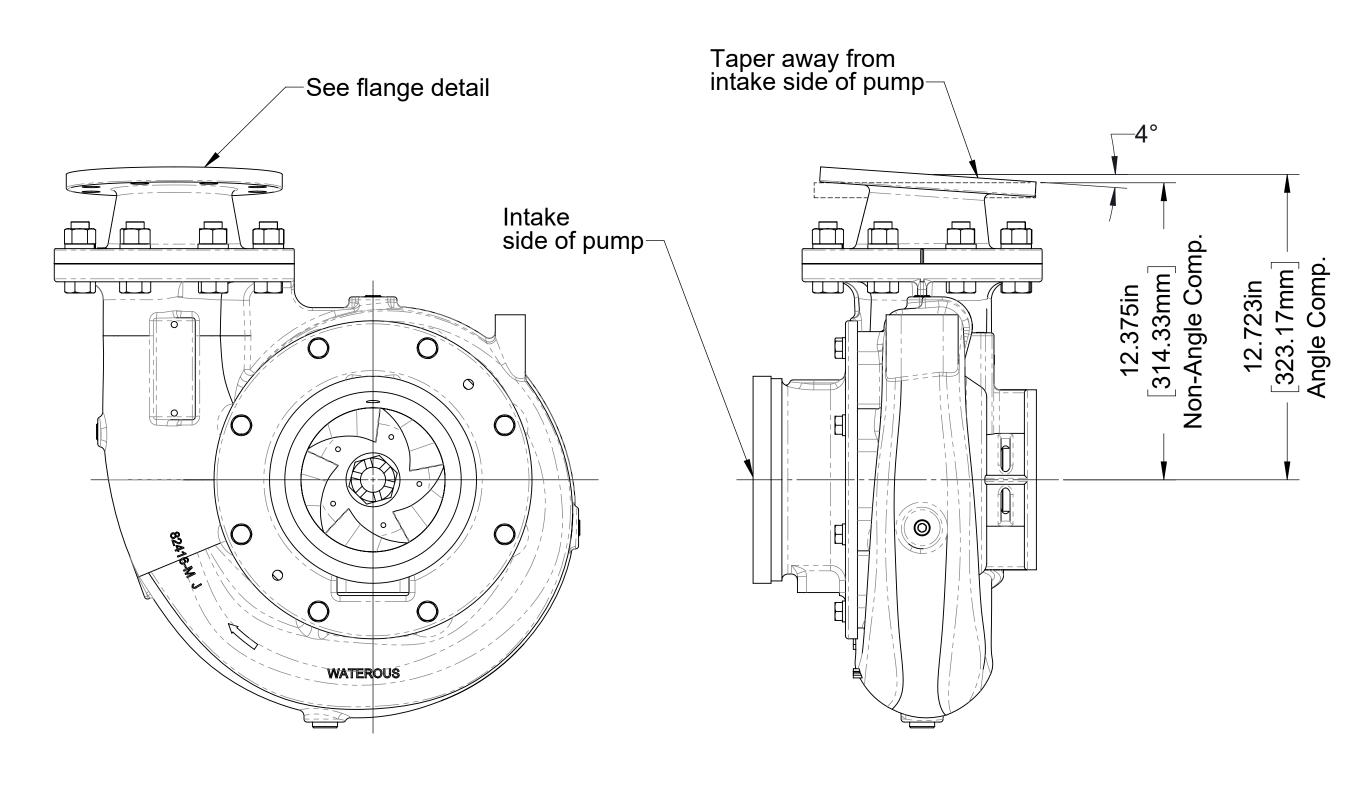
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CW Input Model S100D



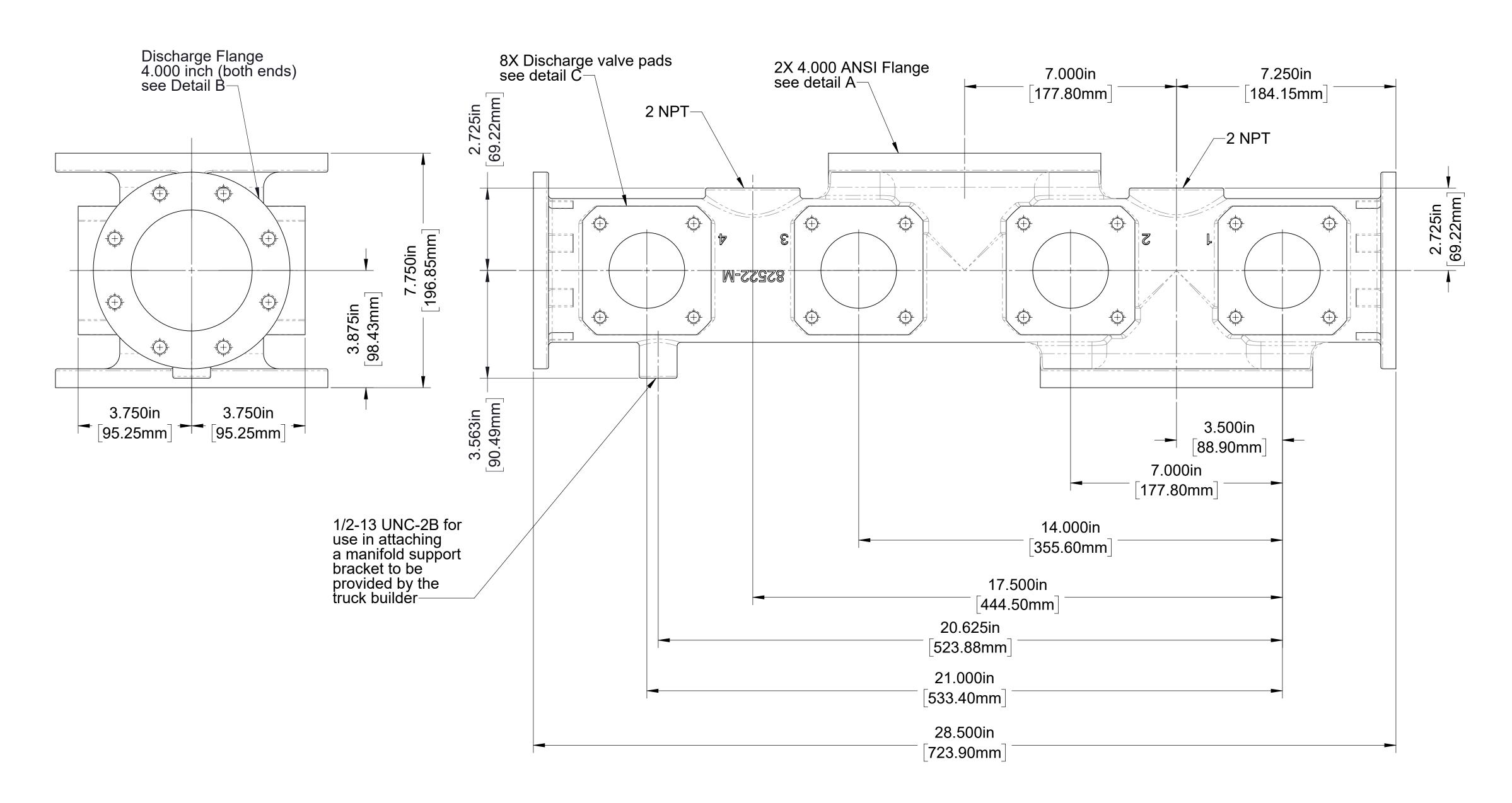
Models S100C22, S100QC Pump mounted on rear (output shaft side) of transmission

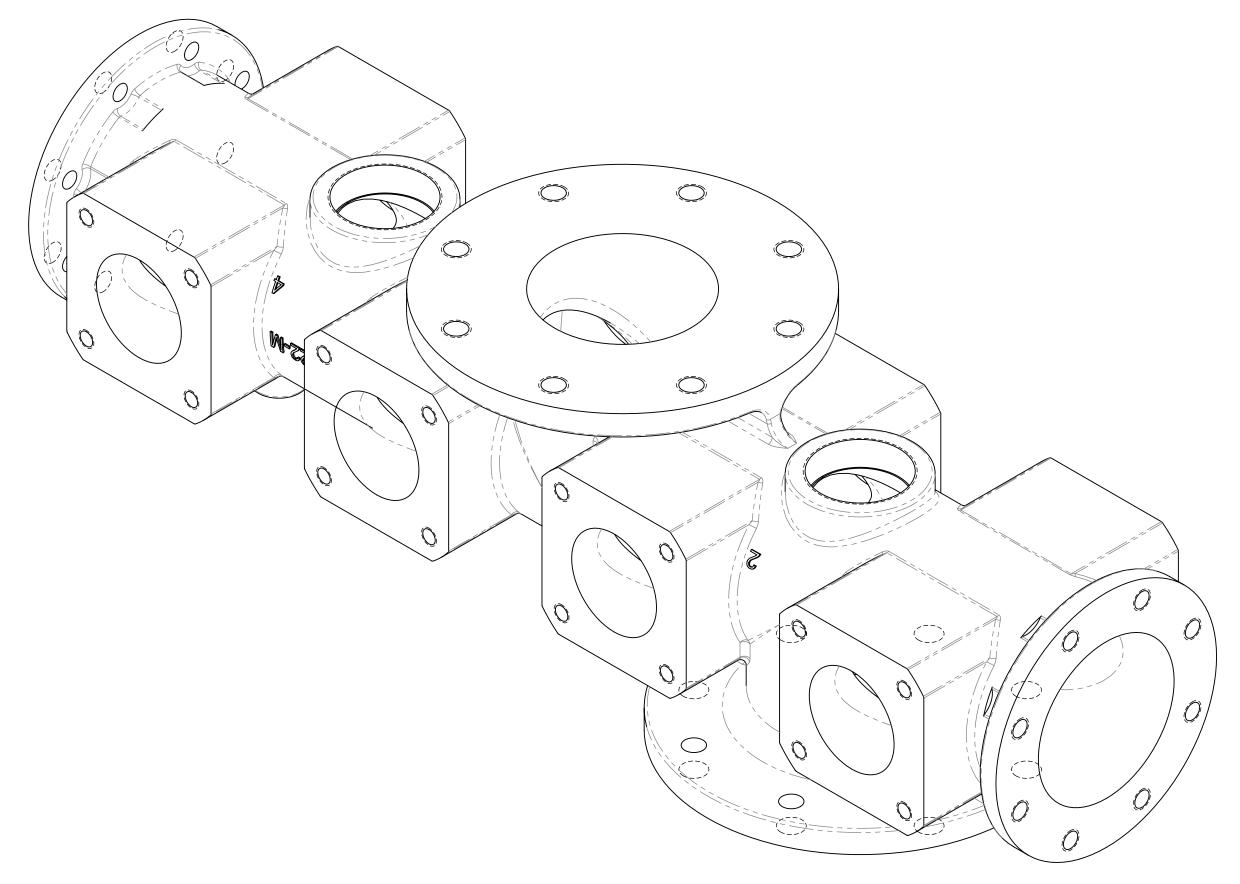


CCW Input Model S100D



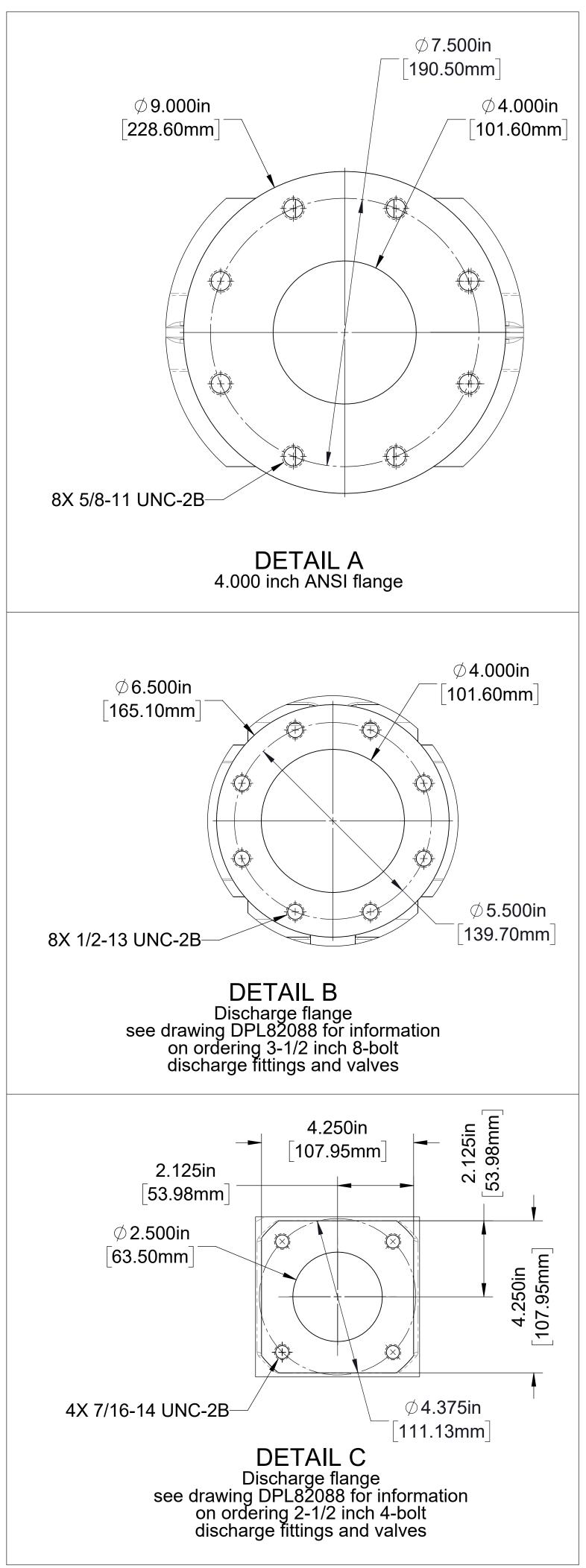
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Note: 1. Pump mounted relief valve is not available with this manifold.

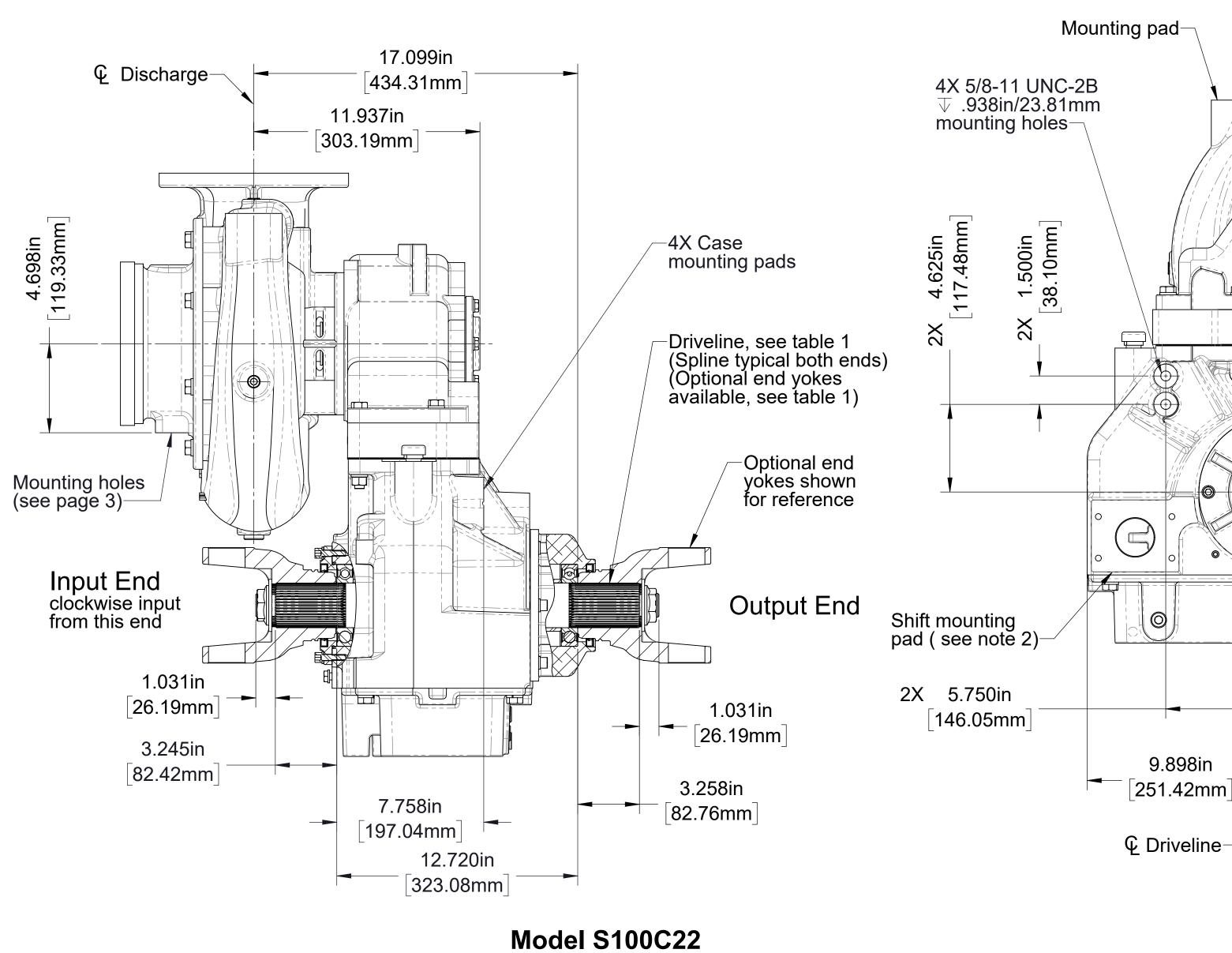
**Optional Discharge Manifold** See pages 29 through 40 for manifold mounting on S100 pump See page 52 for manifold mounting on S101 pump



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|             |      | Та        | able 1 - Availa  | able Driveline / N  | Nodels                   |           |  |  |  |
|-------------|------|-----------|------------------|---|--------------------------|-----------|--|--|--|
| Driveline   |      |           |                  | Option End Yokes and Companion<br>Flanges available from Waterous |                          |           |  |  |  |
| Туре        | Size | Spline    | Spicer           | Y   | ⁄oke                     | Companion |  |  |  |
|             |      | 2.350-46T | Spicer<br>Series | Part Number   | Cross and<br>Bearing Kit | Flange    |  |  |  |
|             |      |           | 1480/1610        |   |                          | V 3719    |  |  |  |
| Extra Hoovy |      |           | 1650/1710        |   |                          | V 3619    |  |  |  |
| Extra Heavy |      |           | Involute         | 1710 BP   | V 2837                   | V 2839    |  |  |  |
| Daty        |      | Involuto  | 1810 BP          | V 2838  | V 2840                   |           |  |  |  |
|             |      |           | 1710 HR          | V 4101  |                          |           |  |  |  |
|             |      |           | 1810 HR          | V 4102  |                          |           |  |  |  |
|             |      |           | SPL140           | V 3388  | V 3389                   |           |  |  |  |

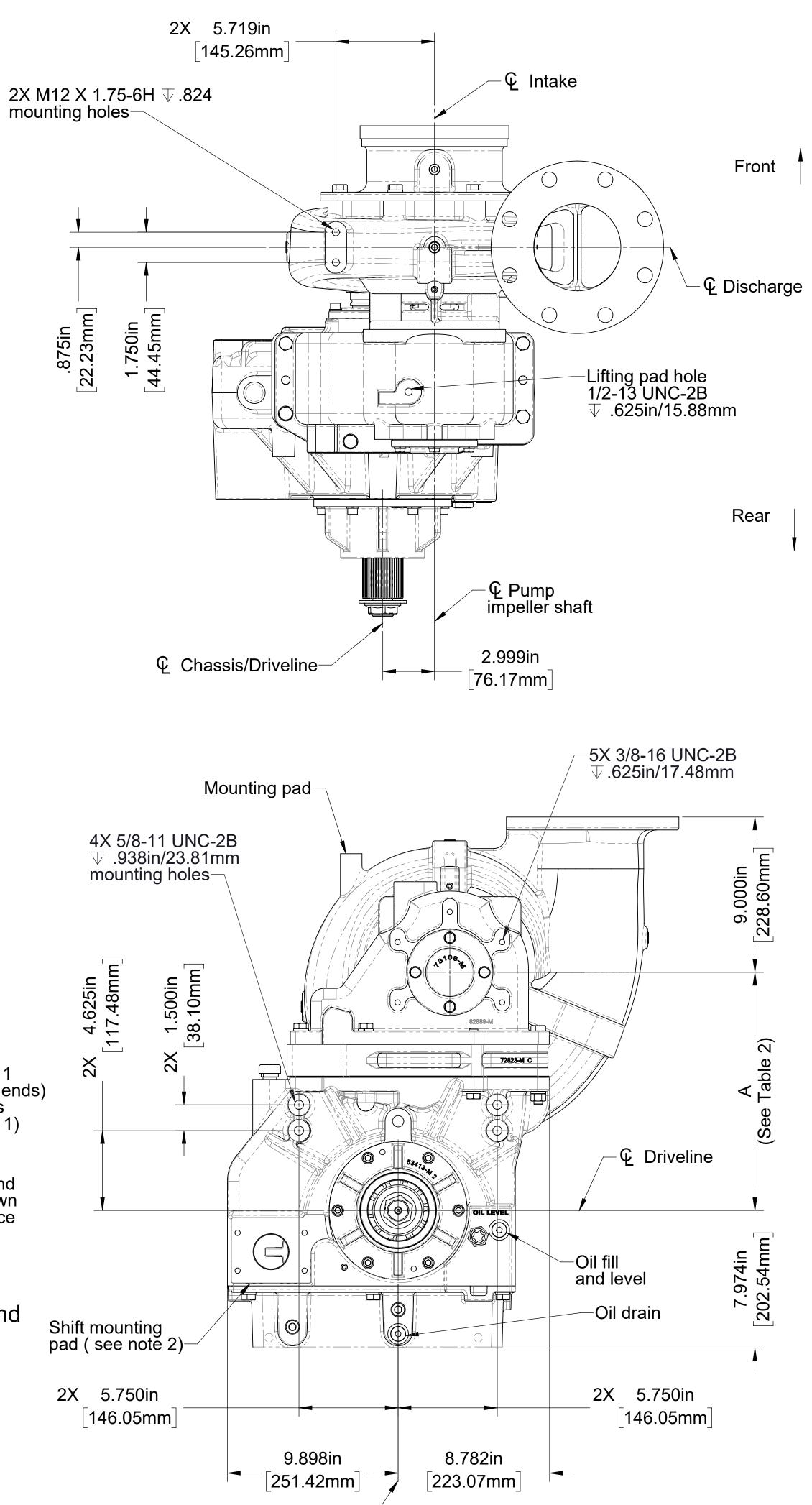
| Table 2 - Available Ratios |             |          |          |          |  |  |  |  |  |
|----------------------------|-------------|----------|----------|----------|--|--|--|--|--|
| Drive to                   | Dimension A |          |          |          |  |  |  |  |  |
| Driven<br>Ratio            | C22C        | C22D     | C22E     | C22F     |  |  |  |  |  |
| 1.27                       | 14.312in    | 14.825in | 16.861in | 18.892in |  |  |  |  |  |
|                            | 363.52mm    | 376.56mm | 428.27mm | 479.86mm |  |  |  |  |  |
| 1.41                       | 13.899in    | 14.931in | 16.971in | 19.002in |  |  |  |  |  |
|                            | 353.03mm    | 379.25mm | 431.06mm | 482.65mm |  |  |  |  |  |
| 1.48                       | 13.878in    | 14.907in | 16.951in | 18.981in |  |  |  |  |  |
|                            | 352.50mm    | 378.64mm | 430.56mm | 482.65mm |  |  |  |  |  |
| 1.58                       | 13.756in    | 14.788in | 16.830in | 18.861in |  |  |  |  |  |
|                            | 349.40mm    | 375.62mm | 427.48mm | 479.07mm |  |  |  |  |  |
| 1.69                       | 13.839in    | 14.876in | 16.923in | 18.961in |  |  |  |  |  |
|                            | 351.51mm    | 377.85mm | 429.84mm | 481.61in |  |  |  |  |  |
| 1.79                       | 14.045in    | 15.072in | 17.127in | 19.168in |  |  |  |  |  |
|                            | 356.74mm    | 382.83mm | 435.03mm | 486.87mm |  |  |  |  |  |
| 1.88                       | 13.690in    | 14.717in | 16.773in | 18.809in |  |  |  |  |  |
|                            | 347.73mm    | 373.81mm | 426.03mm | 477.75mm |  |  |  |  |  |
| 1.97                       | 13.870in    | 14.912in | 16.970in | 19.012in |  |  |  |  |  |
|                            | 352.30mm    | 378.76mm | 431.04mm | 482.90mm |  |  |  |  |  |
| 2.03                       | 13.984in    | 15.028in | 17.086in | 19.132in |  |  |  |  |  |
|                            | 355.19mm    | 381.71mm | 433.98mm | 485.95mm |  |  |  |  |  |
| 2.27                       | 13.811in    | 14.856in | 16.920in | 18.971in |  |  |  |  |  |
|                            | 350.80mm    | 377.34mm | 429.77mm | 481.86mm |  |  |  |  |  |
| 2.46                       | 14.042in    | 15.087in | 17.154in | 19.205in |  |  |  |  |  |
|                            | 356.67mm    | 383.21mm | 435.71mm | 487.81mm |  |  |  |  |  |
| 2.68                       | 13.746in    | 14.793in | 16.865in | 18.923in |  |  |  |  |  |
|                            | 394.15mm    | 375.74mm | 428.37mm | 480.64mm |  |  |  |  |  |



Notes: 1. See table 2 for available ratios. 2. See drawing DPL82086 for shift unit details.

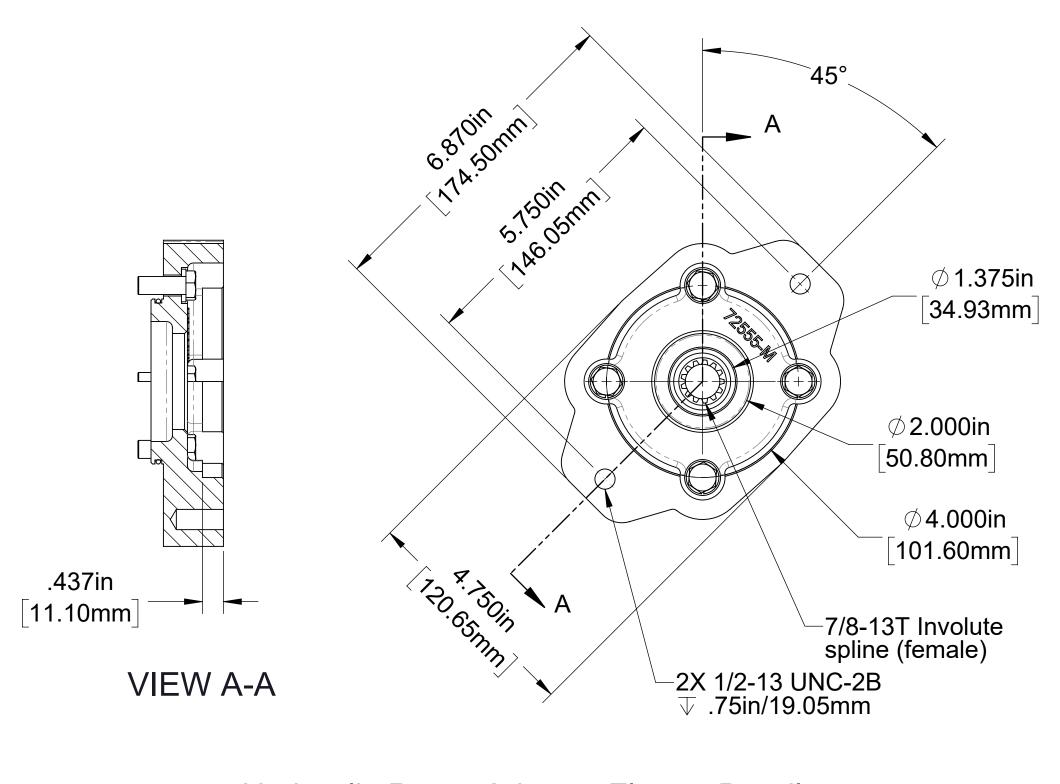
Pump Models

S100C22C, S100C22D, S100C22E, S100C22F

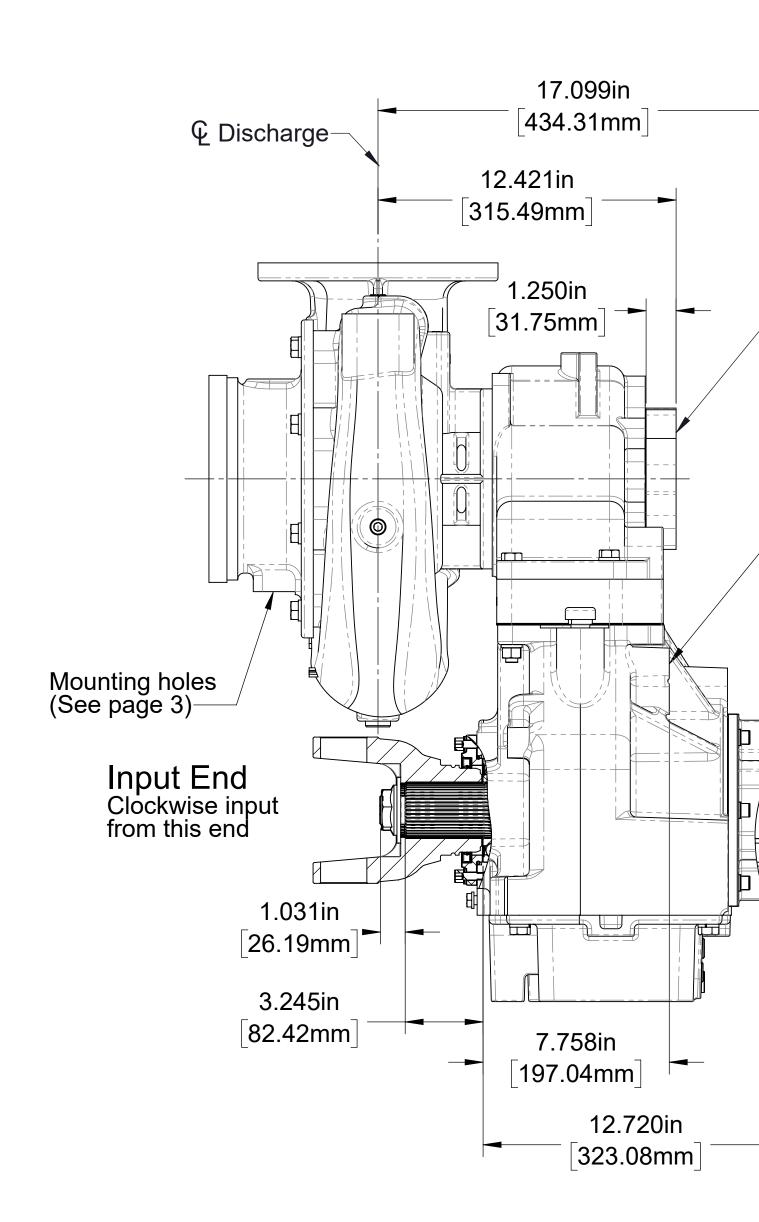


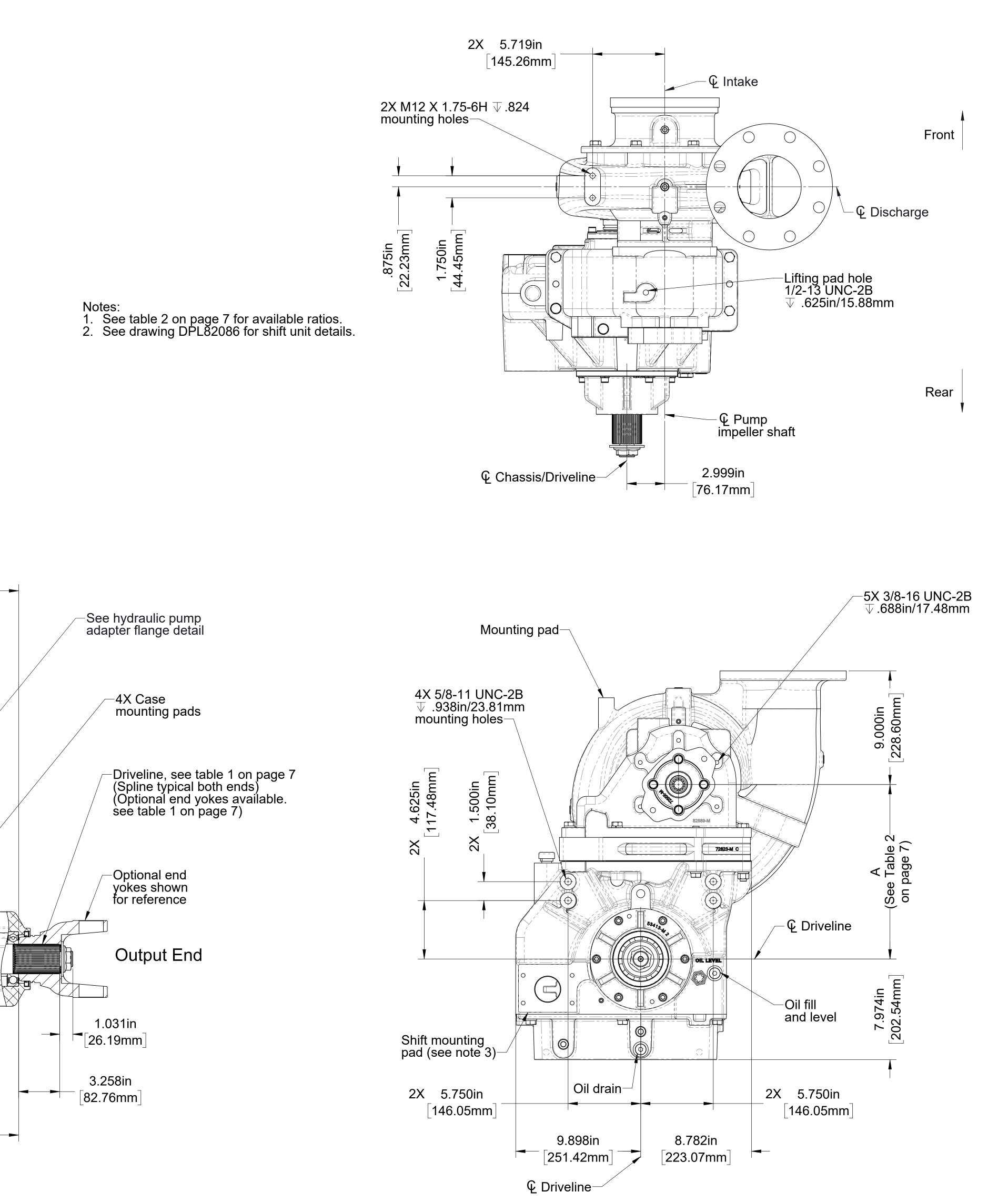
Input and output shaft Pump mounted on front (input shaft side) of transmission Clockwise input, model S100C22C, 2.27 ratio shown, blank discharge, up discharge position shown

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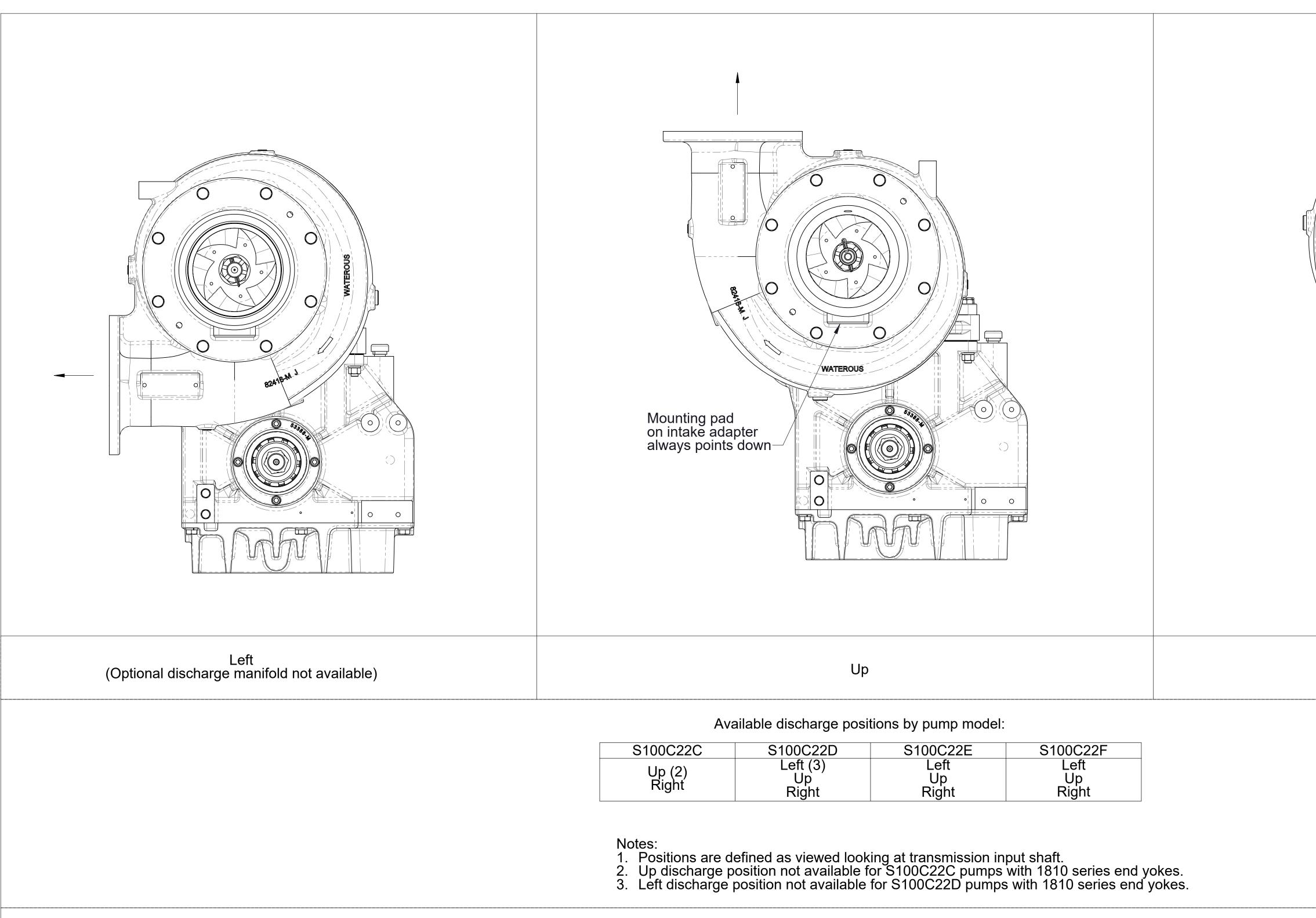
Hydraulic Pump Adapter Flange Detail Used for SAE J744 class B 2-bolt Hydraulic pump with male 7/8-13T 16/32 pitch involute spline





Model S100C22

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| S100C22C        | S100C22D                | S100C22E            | S100C22F            |
|-----------------|-------------------------|---------------------|---------------------|
| Up (2)<br>Right | Left (3)<br>Up<br>Right | Left<br>Up<br>Right | Left<br>Up<br>Right |

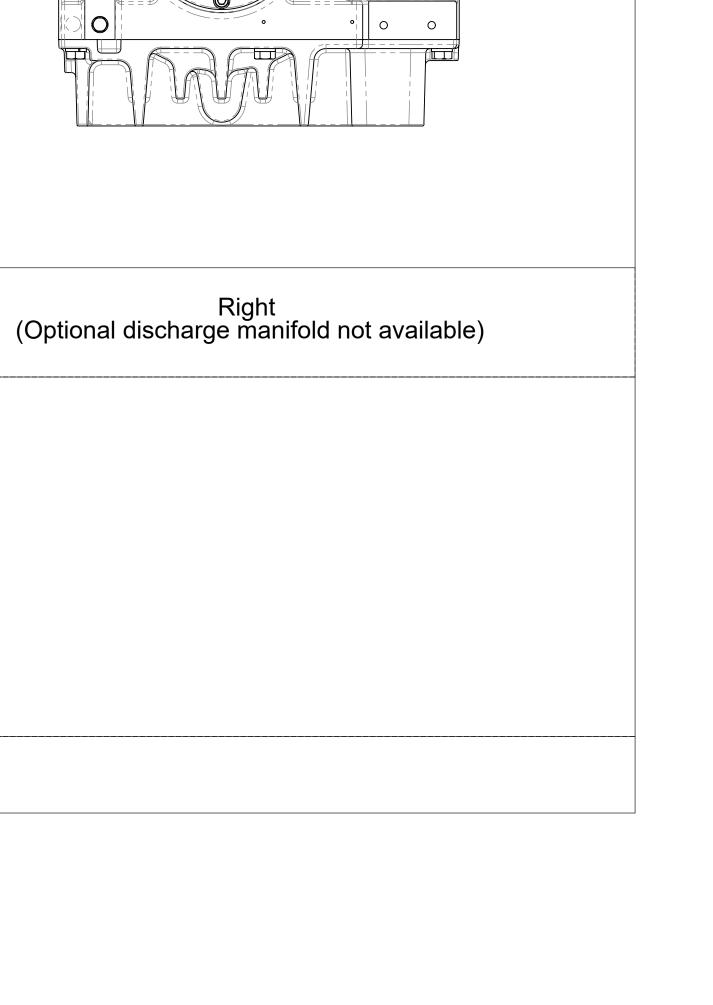
### **Discharge Positions**

### **Ordering Information**

When Ordering furnish the following informaton:

- Pump model: (see page 7).
   Drive to driven ratio: (see page 7).
   Pump mounting front of transmission.
   Discharge position: left, up or right.
   Hydraulic adapter (see page 8).
   Optional discharge fitting: (see pages 4 through 6).

Pump mounted on front (input shaft side) of transmission model S100C22 ordering information

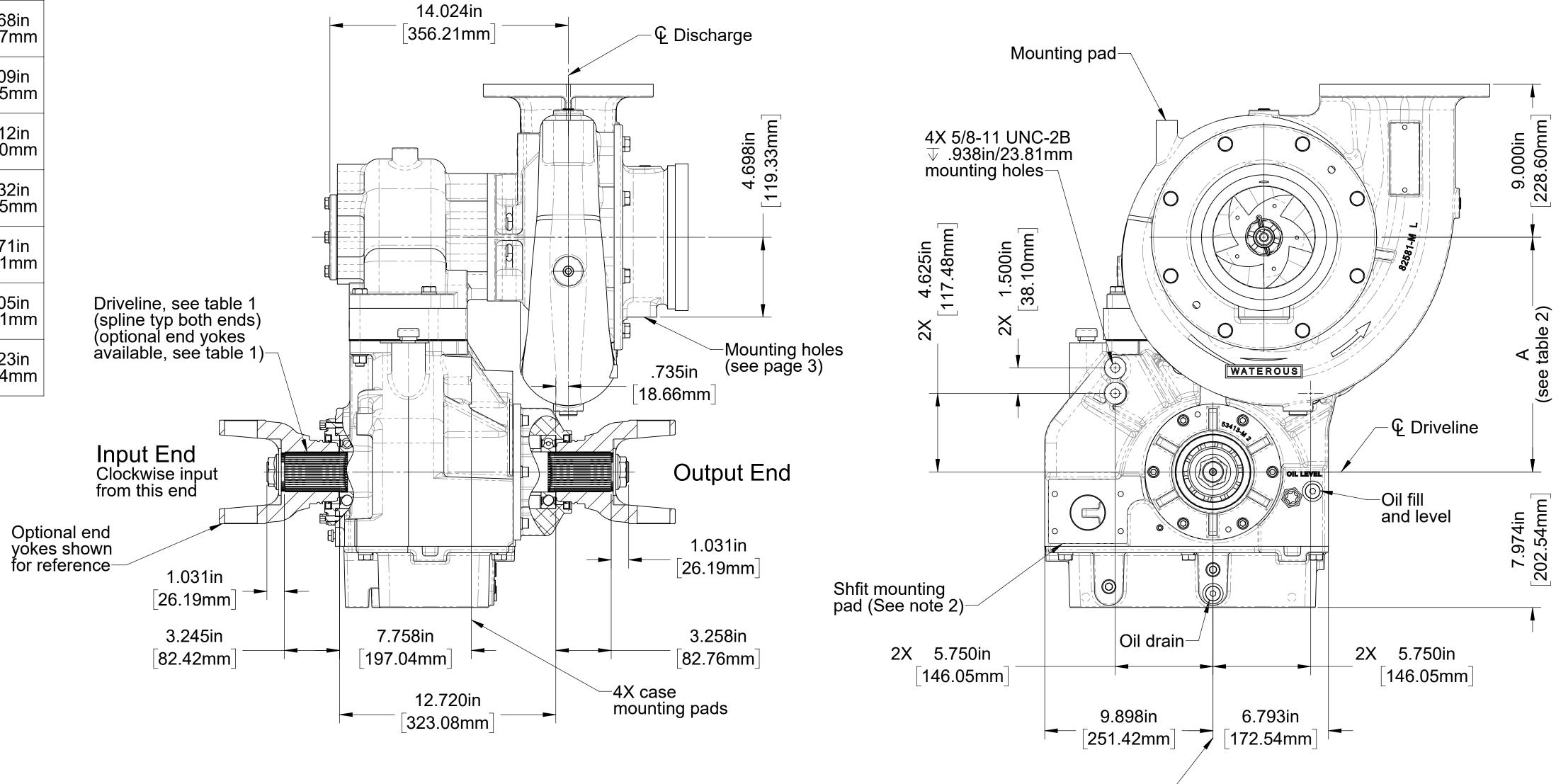


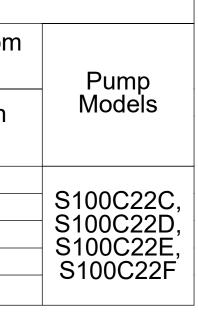
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|                     |           |                     | Table 1 - Ava    | ailable Driveline   | / Models                 |                     |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |
|---------------------|-----------|---------------------|------------------|---|--------------------------|---------------------|--|--|-----------|--|--|--------|--|--|--|--|--|--|-----------------------|--|--|--|--|
|                     | Driveline |                     | Optional E       | Optional End Yokes and Companion Flanges available from<br>Waterous |                          |                     |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |
| Туре                | Size      | Spline              | Spicor Yoke      |   | oke                      | Componion           |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |
|                     | 2.35 Inch | •                   | Spicer<br>Series | Part Number   | Cross and<br>Bearing Kit | Companion<br>Flange |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |
|                     |           | 2.35 Inch 2.350-46T | 0.050.407        |   |                          |                     |  |  | 1480/1610 |  |  | V 3719 |  |  |  |  |  |  |                       |  |  |  |  |
| Extra Heavy<br>Duty |           |                     | 2.35 Inch        |   |                          |                     |  |  |           |  |  |        |  |  |  |  |  |  | 2.350-461<br>Involute |  |  |  |  |
| Duty                |           | Involute            | 1710             | V 2837  | V 2839                   |                     |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |
|                     |           |                     | 1810             | V 2838  | V 2840                   |                     |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |
|                     |           | -                   | SPL140           | V 3388  | V 3389                   |                     |  |  |           |  |  |        |  |  |  |  |  |  |                       |  |  |  |  |

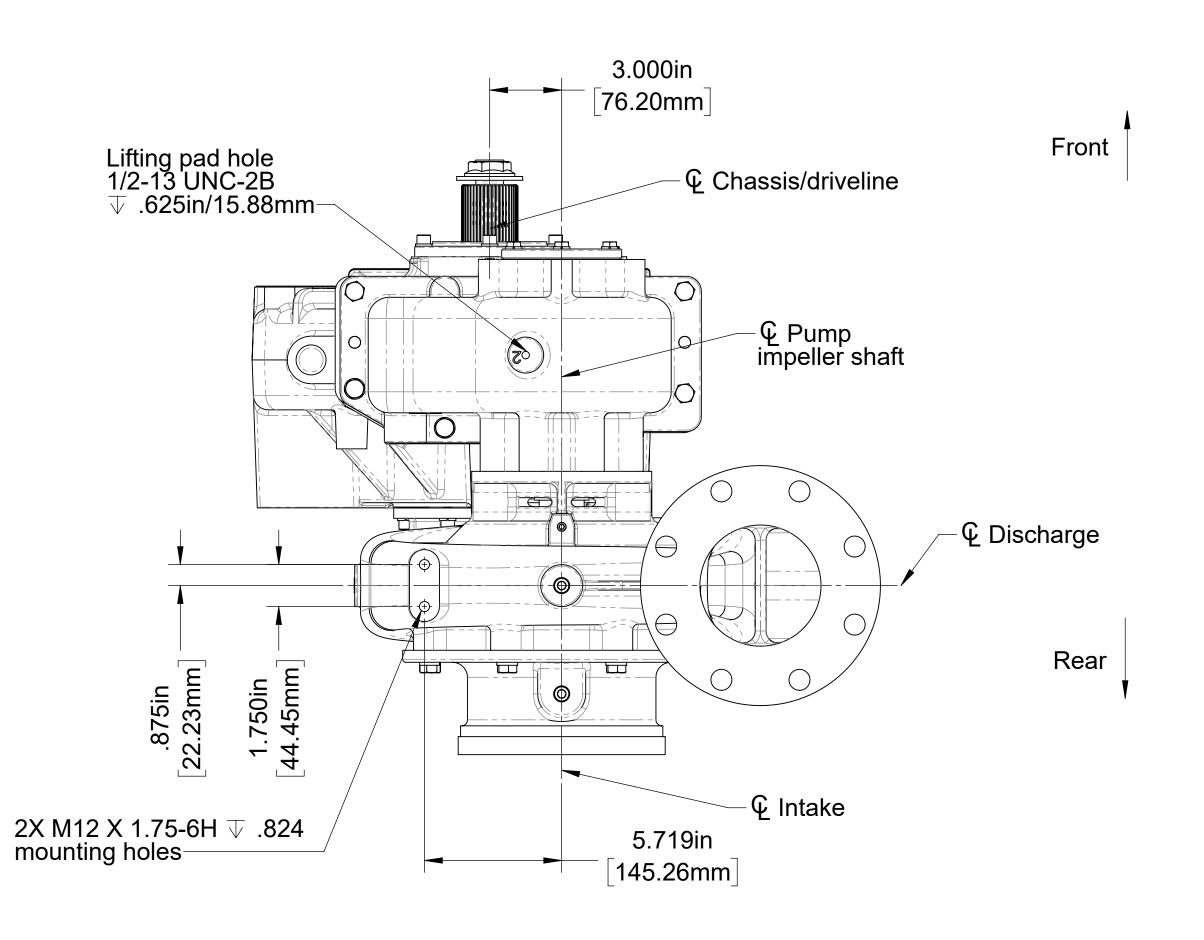
| Table 2 - Available Ratios |             |          |          |          |  |  |  |  |
|----------------------------|-------------|----------|----------|----------|--|--|--|--|
| Drive to                   | Dimension A |          |          |          |  |  |  |  |
| Driven<br>Ratio            | C22C        | C22D     | C22E     | C22F     |  |  |  |  |
| 1.27                       | 14.312in    | 14.825in | 16.861in | 18.892in |  |  |  |  |
|                            | 363.52mm    | 376.56mm | 428.27mm | 479.86mm |  |  |  |  |
| 1.41                       | 13.899in    | 14.931in | 16.971in | 19.002in |  |  |  |  |
|                            | 353.03mm    | 379.25mm | 431.06mm | 482.65mm |  |  |  |  |
| 1.48                       | 13.878in    | 14.907in | 16.951in | 18.981in |  |  |  |  |
|                            | 352.50mm    | 378.64mm | 430.56mm | 482.12mm |  |  |  |  |
| 1.58                       | 13.756in    | 14.788in | 16.830in | 18.861in |  |  |  |  |
|                            | 349.40mm    | 375.62mm | 427.48mm | 479.07mm |  |  |  |  |
| 1.69                       | 13.839in    | 14.876in | 16.923in | 18.961in |  |  |  |  |
|                            | 351.51mm    | 377.85mm | 429.84mm | 481.61mm |  |  |  |  |
| 1.79                       | 14.045in    | 15.072in | 17.127in | 19.168in |  |  |  |  |
|                            | 356.74mm    | 382.83mm | 435.03mm | 486.87mm |  |  |  |  |
| 1.88                       | 13.690in    | 14.717in | 16.773in | 18.809in |  |  |  |  |
|                            | 347.73mm    | 373.81mm | 426.03mm | 477.75mm |  |  |  |  |
| 1.97                       | 13.870in    | 14.912in | 16.970in | 19.012in |  |  |  |  |
|                            | 352.30mm    | 378.76mm | 431.04mm | 482.90mm |  |  |  |  |
| 2.03                       | 13.984in    | 15.028in | 17.086in | 19.132in |  |  |  |  |
|                            | 355.19mm    | 381.71mm | 433.98mm | 485.95mm |  |  |  |  |
| 2.27                       | 13.811in    | 14.856in | 16.920in | 18.971in |  |  |  |  |
|                            | 350.80mm    | 377.34mm | 429.77mm | 481.81mm |  |  |  |  |
| 2.46                       | 14.042in    | 15.087in | 17.154in | 19.205in |  |  |  |  |
|                            | 356.67mm    | 383.21mm | 435.71mm | 487.81mm |  |  |  |  |
| 2.68                       | 13.746in    | 14.793in | 16.865in | 18.923in |  |  |  |  |
|                            | 349.15mm    | 375.74mm | 428.37mm | 480.64mm |  |  |  |  |

Notes:





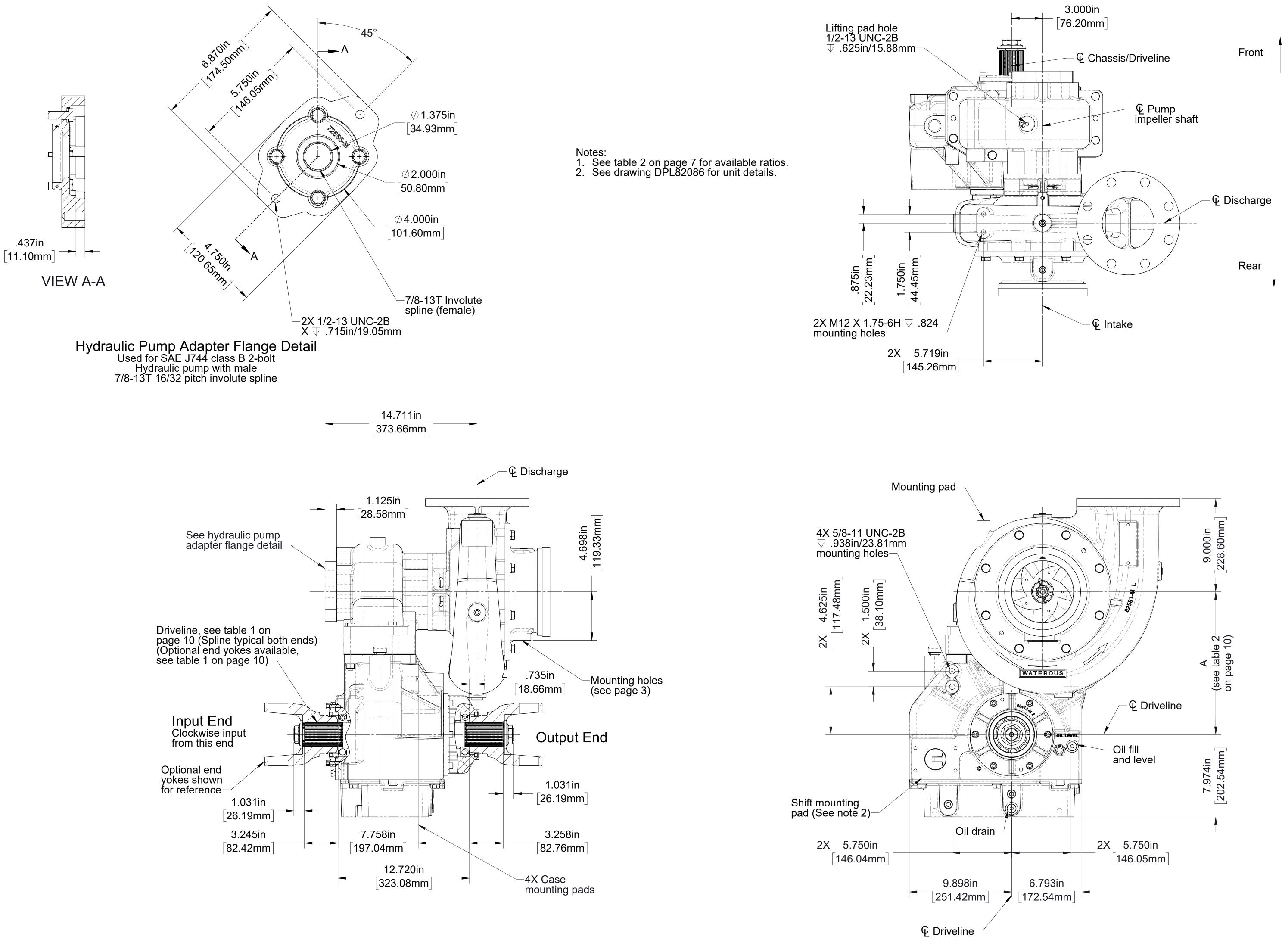
See table 2 for available ratios.
 See drawing DPL82086 for shift unit details.

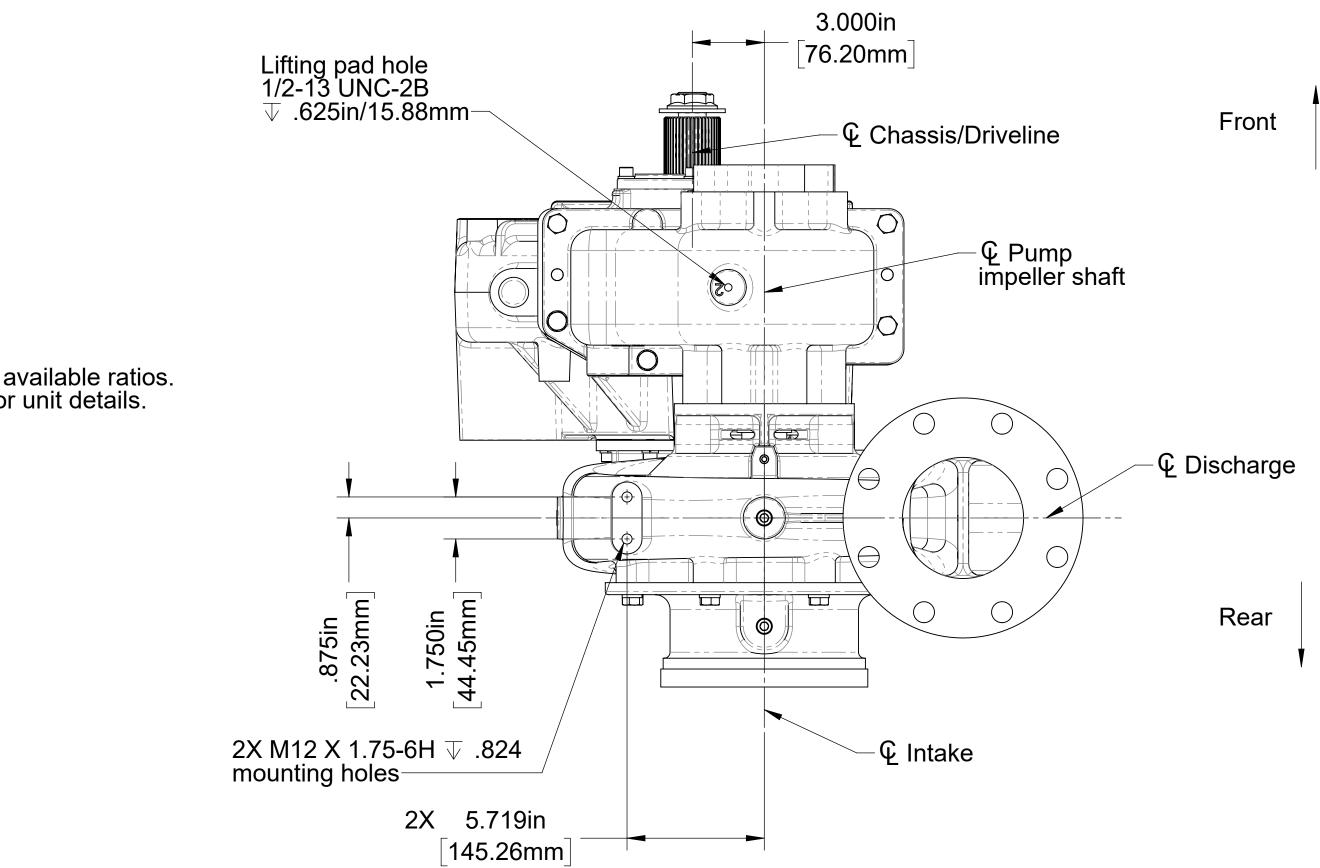


€ Driveline

**Model S100C22** Input and ouput Pump mounted on rear (output shaft side) of transmission Clockwise input, model S100C22C, 2.27 ratio shown blank discharge, up discharge position shown

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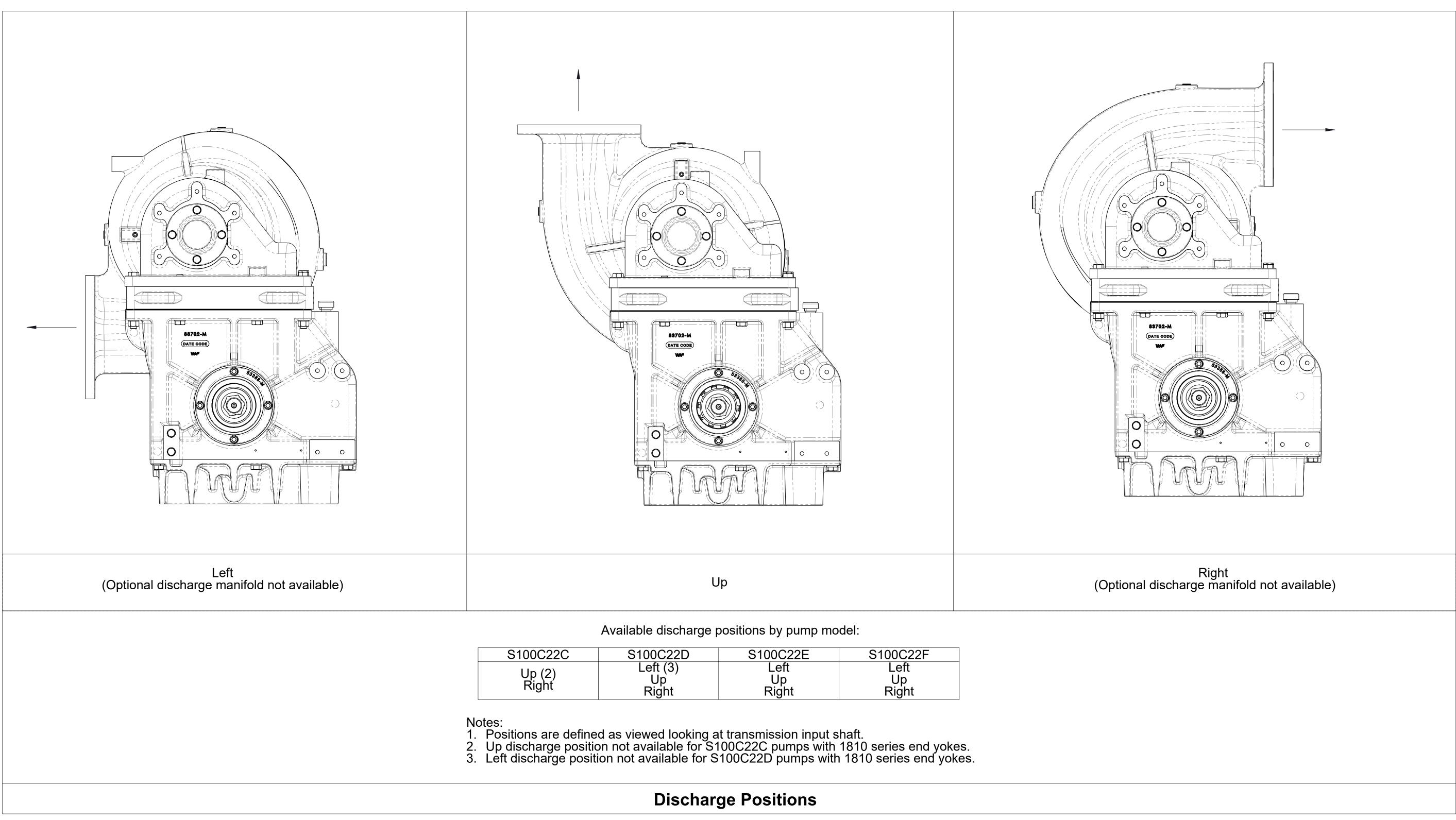




### Model S100C22

Input and output shaft Pump mounted on rear (output shaft side) of transmission Hydraulic pump mounting provision on front (input shaft side) of transmission Clockwise input, model S100C22C, 2.27 ratio shown blank discharge, up discharge position shown

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| 5100C22C | S100C22D | S100C22E | S100C22F |
|----------|----------|----------|----------|
| Up (2)   | Left (3) | Left     | Left     |
| Right    | Up       | Up       | Up       |

### **Ordering Information**

When Ordering furnish the following informaton:

- Pump model: (see page 10).
   Drive to driven ratio: (see page 10).
   Pump mounting rear of transmission.
   Discharge position: left, up or right.
   Hydraulic adapter (see page 11).
   Optional discharge fitting: (see pages 4 through 6).

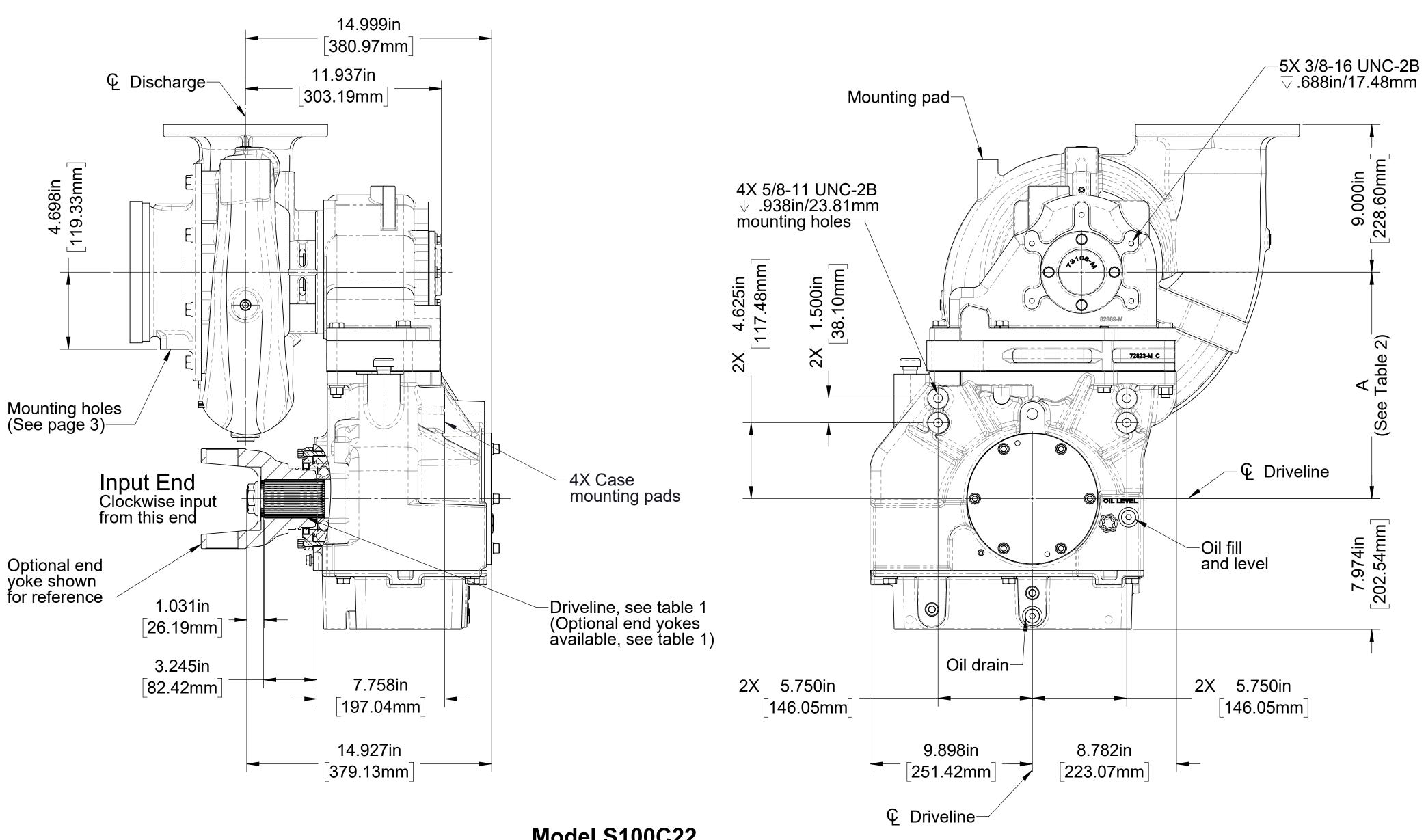
Pump mounted on rear (output shaft side) of transmission model S100C22 ordering information.

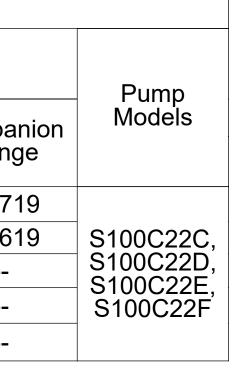
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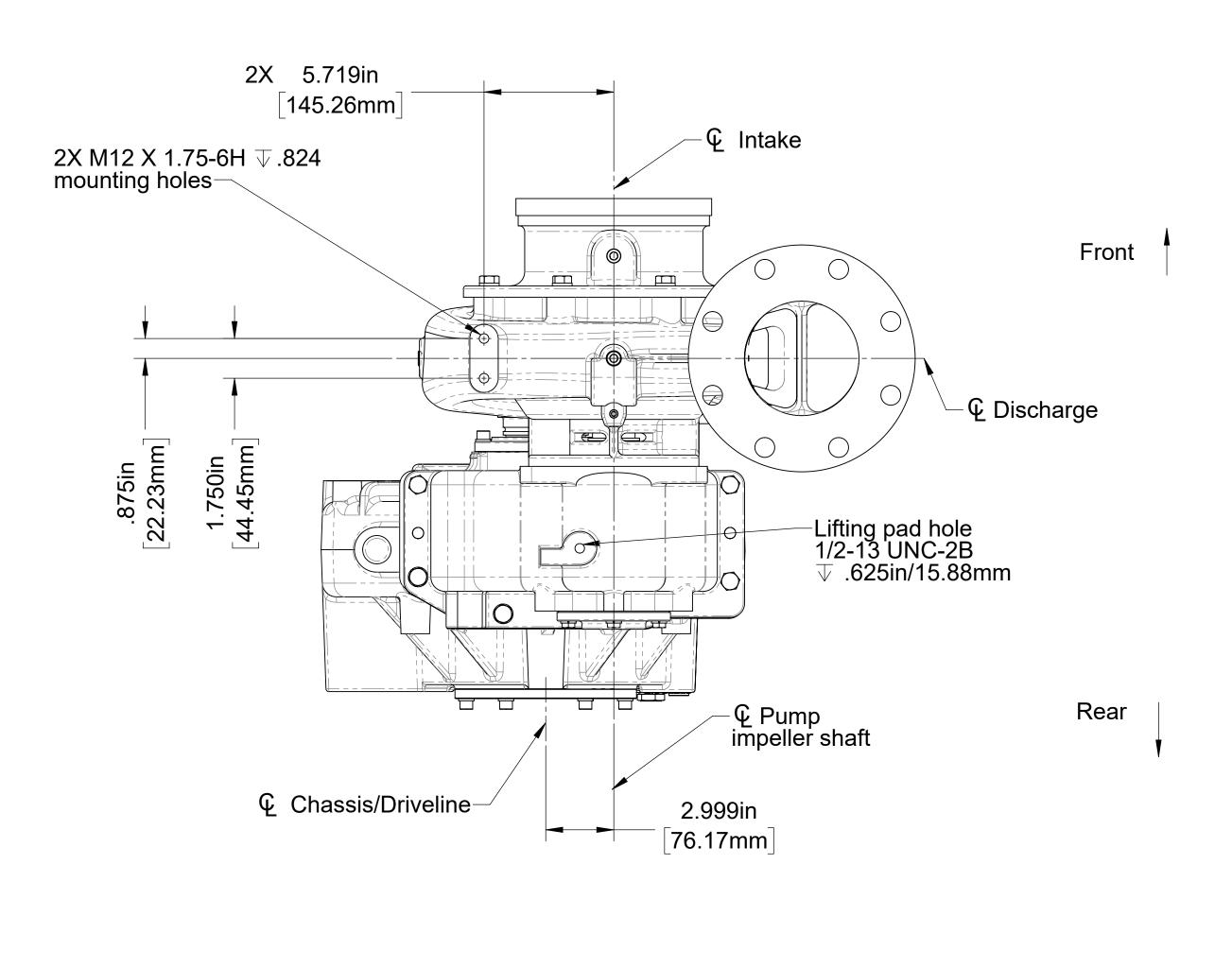
|             |           | Та                    | ble 1 - Availa   | ble Driveline / I                | Vodels                               |          |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
|-------------|-----------|-----------------------|------------------|----------------------------------|--------------------------------------|----------|--|------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|-------|
|             | Driveline |                       |                  | Option End Yol<br>Flanges availa | kes and Compani<br>able from Waterou | on<br>Is |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
| Туре        | Size      | Spline                | Snicer           |                                  | Yoke                                 | Compa    |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
|             | 2.35 Inch | 2.350-46T<br>Involute | Spicer<br>Series | Part Number                      | Cross and<br>Bearing Kit             | Compai   |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
|             |           |                       | 1480/1610        |                                  |                                      | V 371    |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
| Extra Heavy |           |                       |                  |                                  |                                      |          |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1650/1710 |  |  | V 361 |
| Duty        |           |                       |                  |                                  |                                      |          |  | 1710 | V 2837 | V 2839 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
|             |           |                       | 1810             | V 2838                           | V 2840                               |          |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |
|             |           |                       | SPL140           | V 3388                           | V 3389                               |          |  |      |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |       |

|                 | Table 2 - Available Ratios |          |          |          |  |
|-----------------|----------------------------|----------|----------|----------|--|
| Drive to        | Dimension A                |          |          |          |  |
| Driven<br>Ratio | C22C                       | C22D     | C22E     | C22F     |  |
| 1.27            | 14.312in                   | 14.825in | 16.861in | 18.892in |  |
|                 | 363.52mm                   | 376.56mm | 428.27mm | 479.86mm |  |
| 1.41            | 13.899in                   | 14.931in | 16.971in | 19.002in |  |
|                 | 353.03mm                   | 379.25mm | 431.06mm | 482.65mm |  |
| 1.48            | 13.878in                   | 14.907in | 16.951in | 18.981in |  |
|                 | 352.50mm                   | 378.64mm | 430.56mm | 482.12mm |  |
| 1.58            | 13.756in                   | 14.788in | 16.830in | 18.861in |  |
|                 | 349.40mm                   | 375.62mm | 427.48mm | 481.61mm |  |
| 1.69            | 13.839in                   | 14.876in | 16.923in | 18.961in |  |
|                 | 351.51mm                   | 377.85mm | 429.84mm | 481.61mm |  |
| 1.79            | 14.045in                   | 15.072in | 17.127in | 19.168in |  |
|                 | 356.74mm                   | 382.83mm | 435.03mm | 486.87mm |  |
| 1.88            | 13.690in                   | 14.717in | 16.773in | 18.809in |  |
|                 | 347.73mm                   | 373.81mm | 426.03mm | 477.75mm |  |
| 1.97            | 13.870in                   | 14.912in | 16.970in | 19.012in |  |
|                 | 352.30mm                   | 378.76mm | 431.04mm | 482.90mm |  |
| 2.03            | 13.984in                   | 15.028in | 17.086in | 19.132in |  |
|                 | 355.19mm                   | 381.71mm | 433.98mm | 482.95mm |  |
| 2.27            | 13.811in                   | 14.856in | 16.920in | 18.971in |  |
|                 | 350.80mm                   | 377.34mm | 429.77mm | 481.86mm |  |
| 2.46            | 14.042in                   | 15.087in | 17.154in | 19.205in |  |
|                 | 356.67mm                   | 383.21mm | 435.71mm | 487.81mm |  |
| 2.68            | 13.746in                   | 14.793in | 16.685in | 18.923in |  |
|                 | 349.15mm                   | 375.74mm | 428.37mm | 480.64mm |  |

Notes: 1. See table 2 for available ratios.

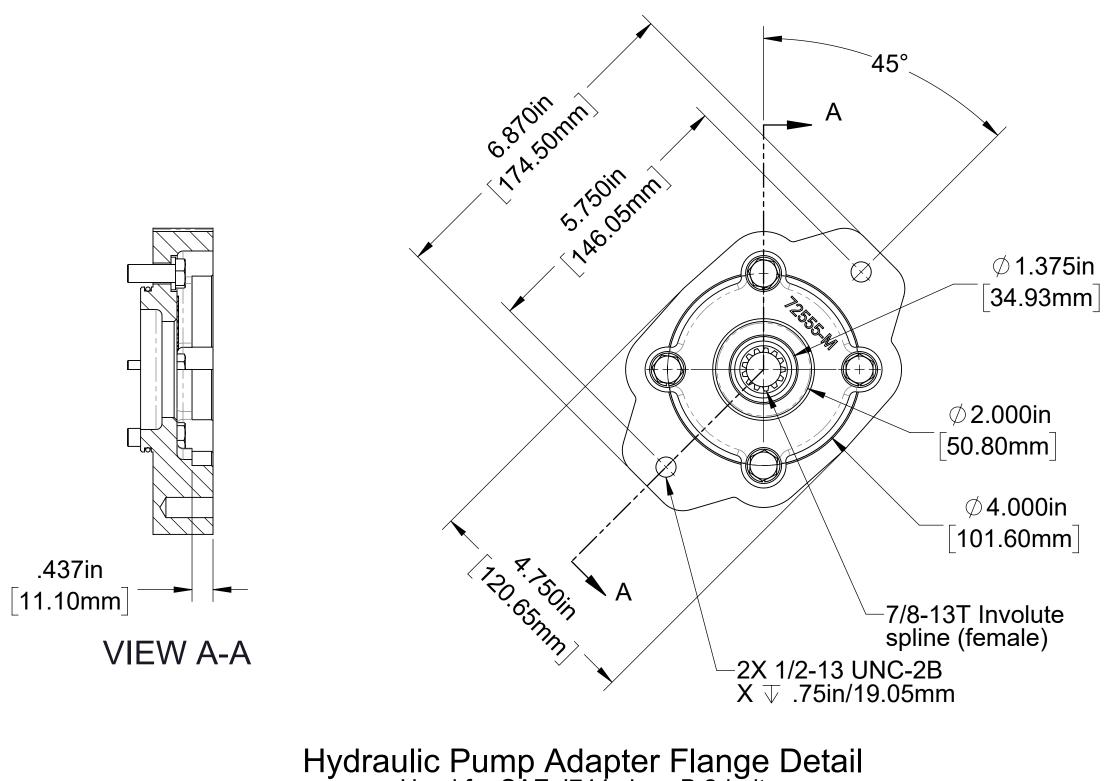




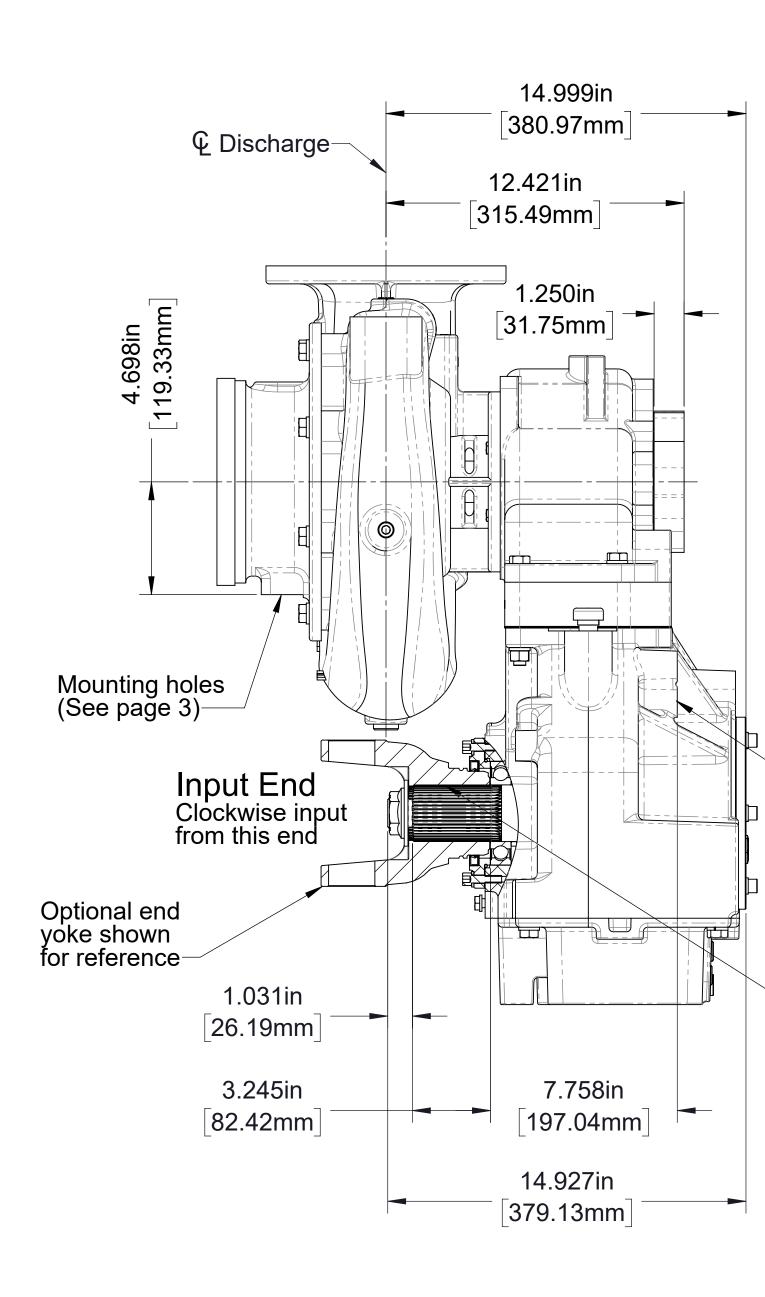


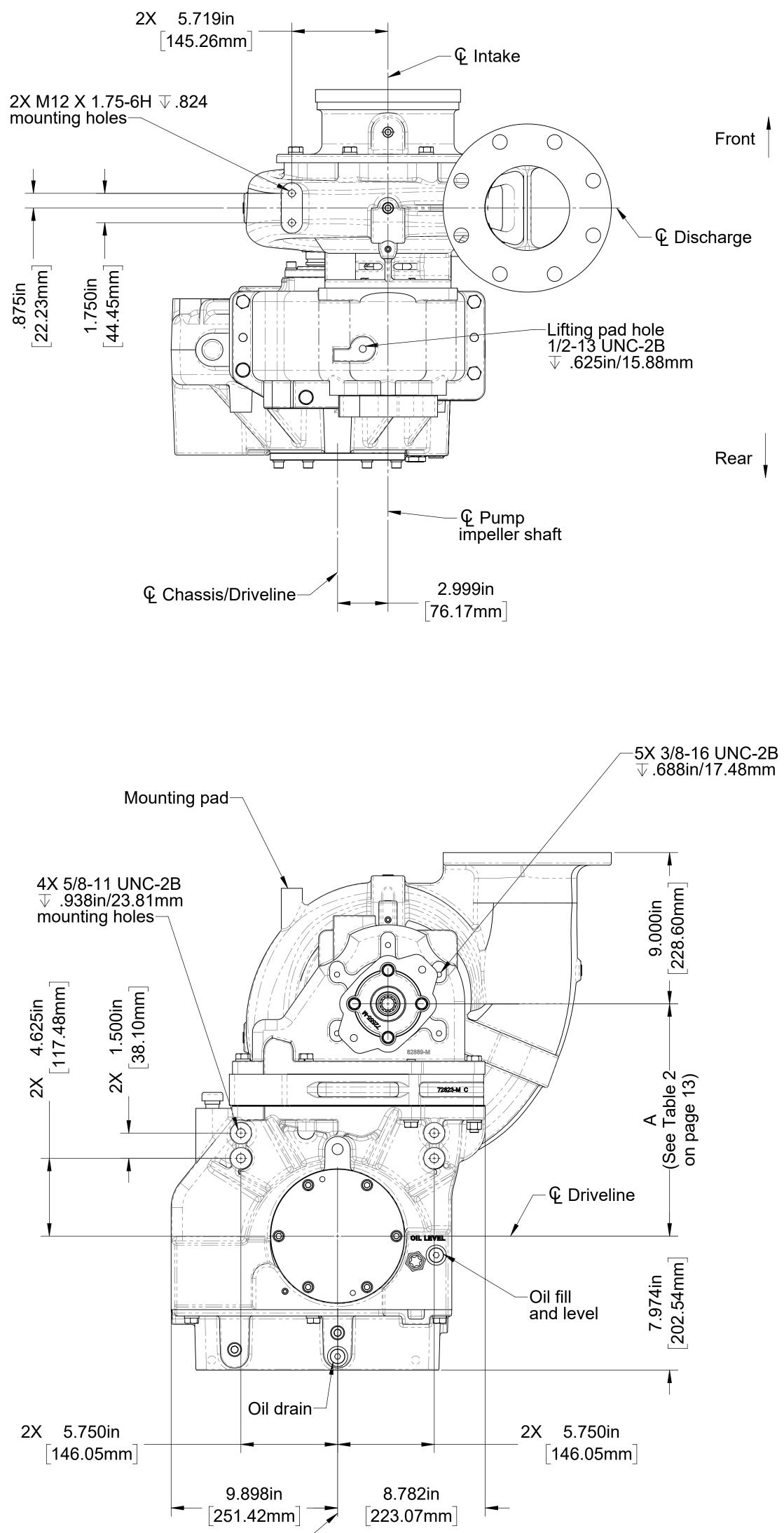
Model S100C22 Input shaft only Pump mounted on front (input shaft side) of transmission Clockwise input, model S100C22C, 2.27 ratio shown, blank discharge, up discharge position shown

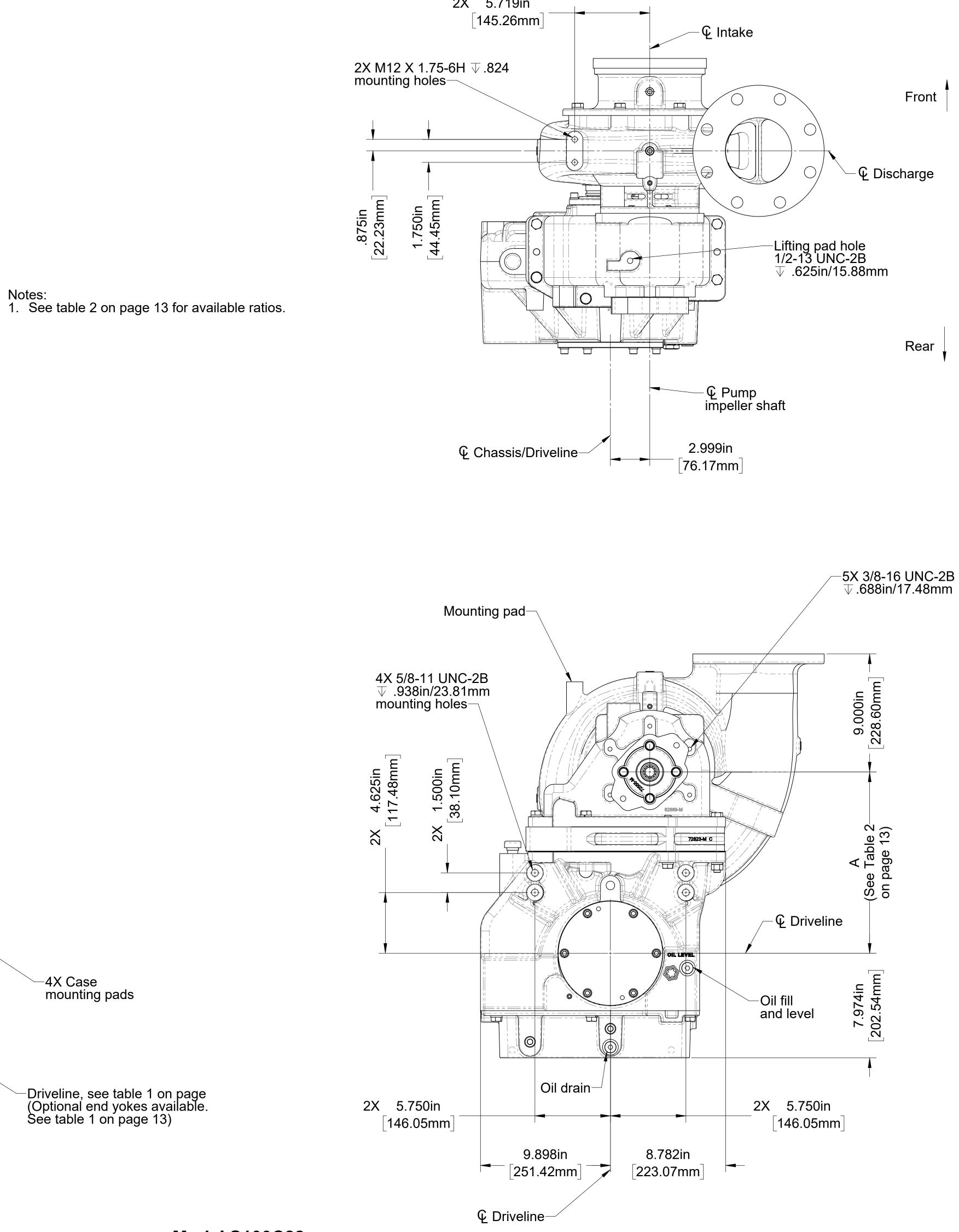
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Hydraulic Pump Adapter Flange Detail Used for SAE J744 class B 2-bolt Hydraulic pump with male 7/8-13T 16/32 pitch involute spline

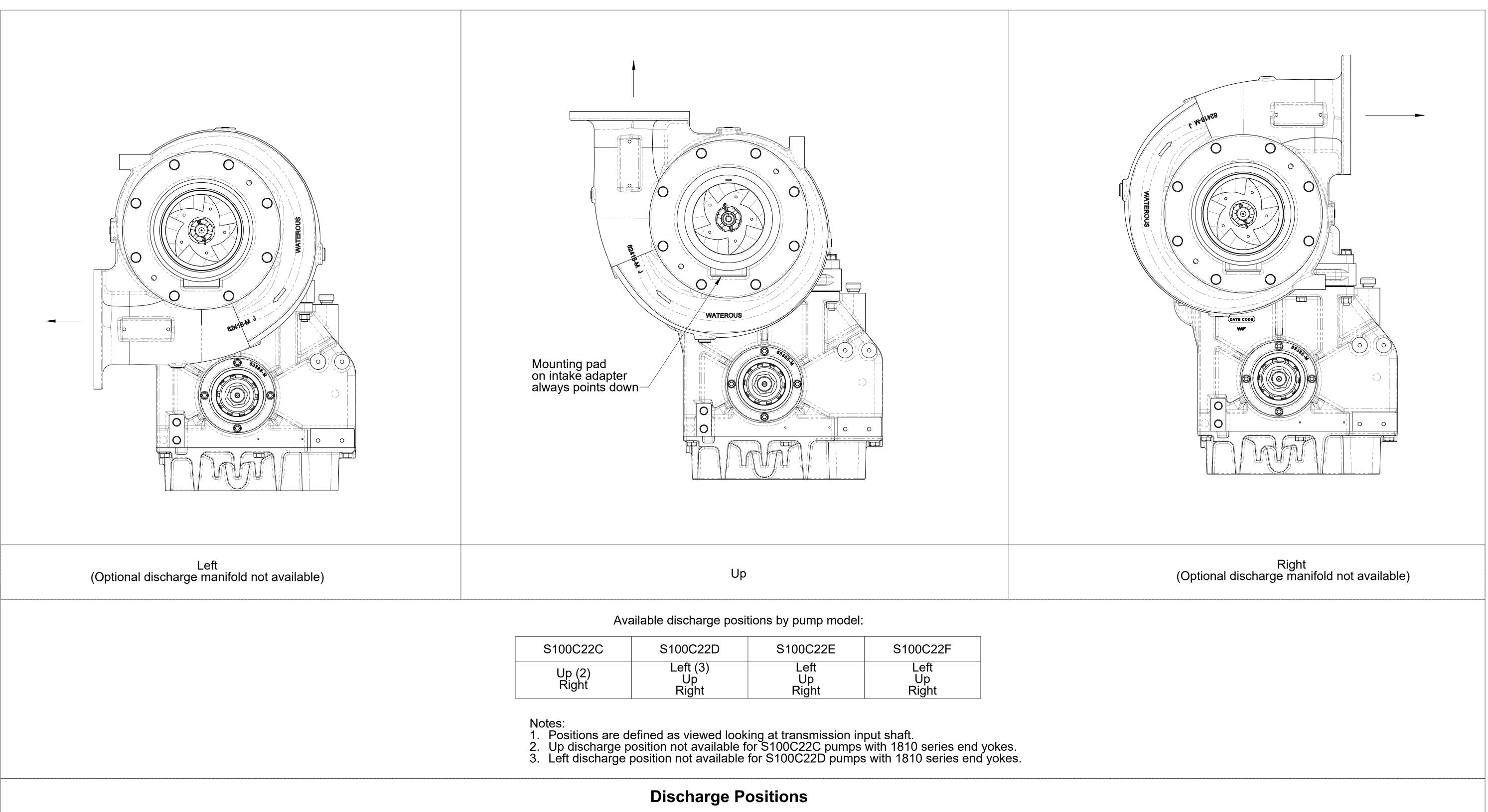






# **Model S100C22** Input shaft only, pump mounted on front (input shaft side) of transmission Hydraulic pump mounting provision on rear (output shaft side) of transmission Clockwise input, model S100C22C, 2.27 ratio shown, blank discharge, up discharge position shown

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| <b>A - - - - - - - -</b> |             |                   |         |        |
|--------------------------|-------------|-------------------|---------|--------|
| Available                | e discharge | positions         | by pump | model: |
| ,                        |             | p • • • • • • • • |         |        |

| S100C22C        | S100C22D                | S100C22E            | S100C22F            |
|-----------------|-------------------------|---------------------|---------------------|
| Up (2)<br>Right | Left (3)<br>Up<br>Right | Left<br>Up<br>Right | Left<br>Up<br>Right |

### **Ordering Information**

When Ordering furnish the following informaton:

- Pump model: (see page 13).
   Drive to driven ratio: (see page 13).
   Pump mounting front of transmission.
   Discharge position: left, up or right.
   Hydraulic adapter (see page 14).
   Optional discharge fitting: (see pages 4 through 6).

Pump mounted on front (input shaft side) of transmission model S100C22 ordering information

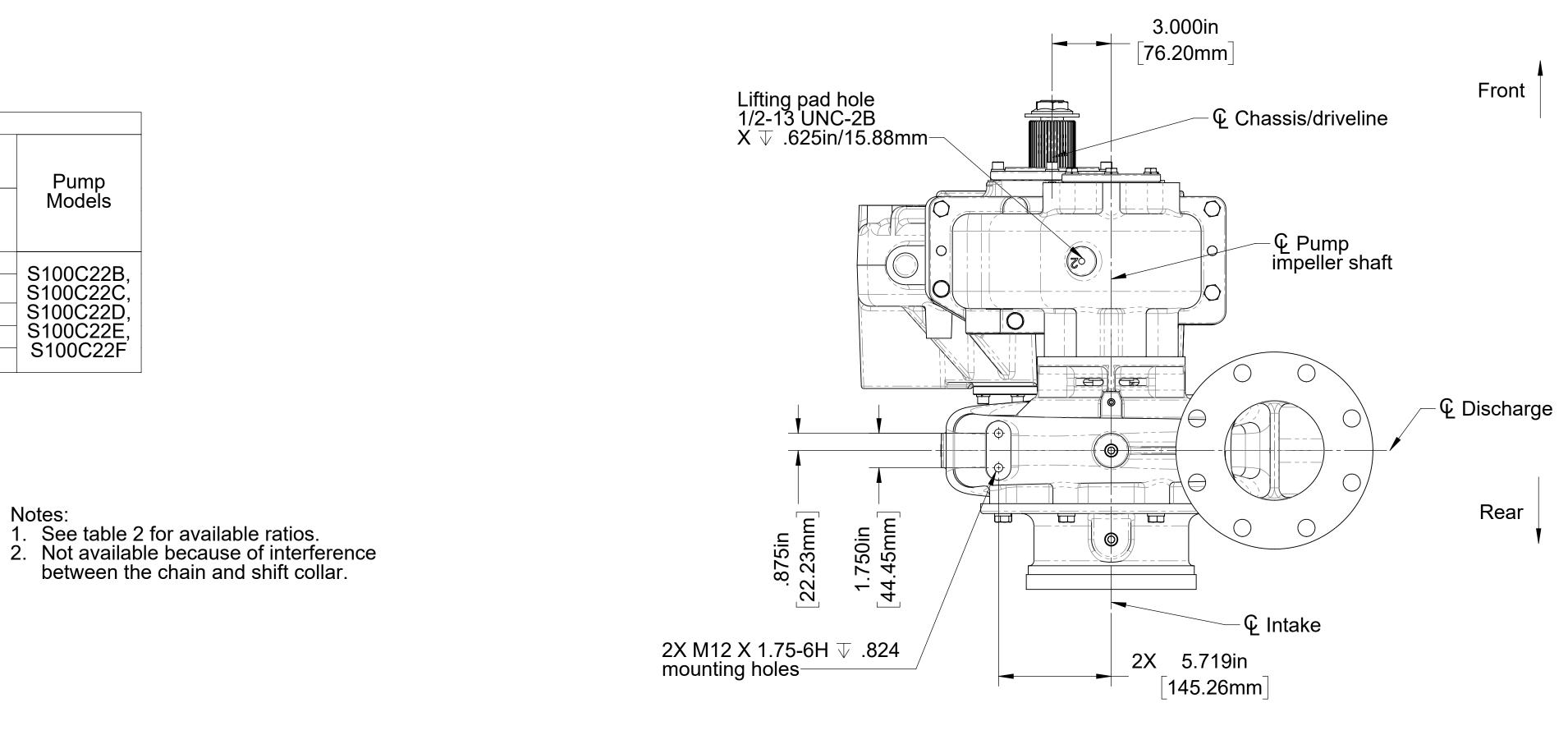
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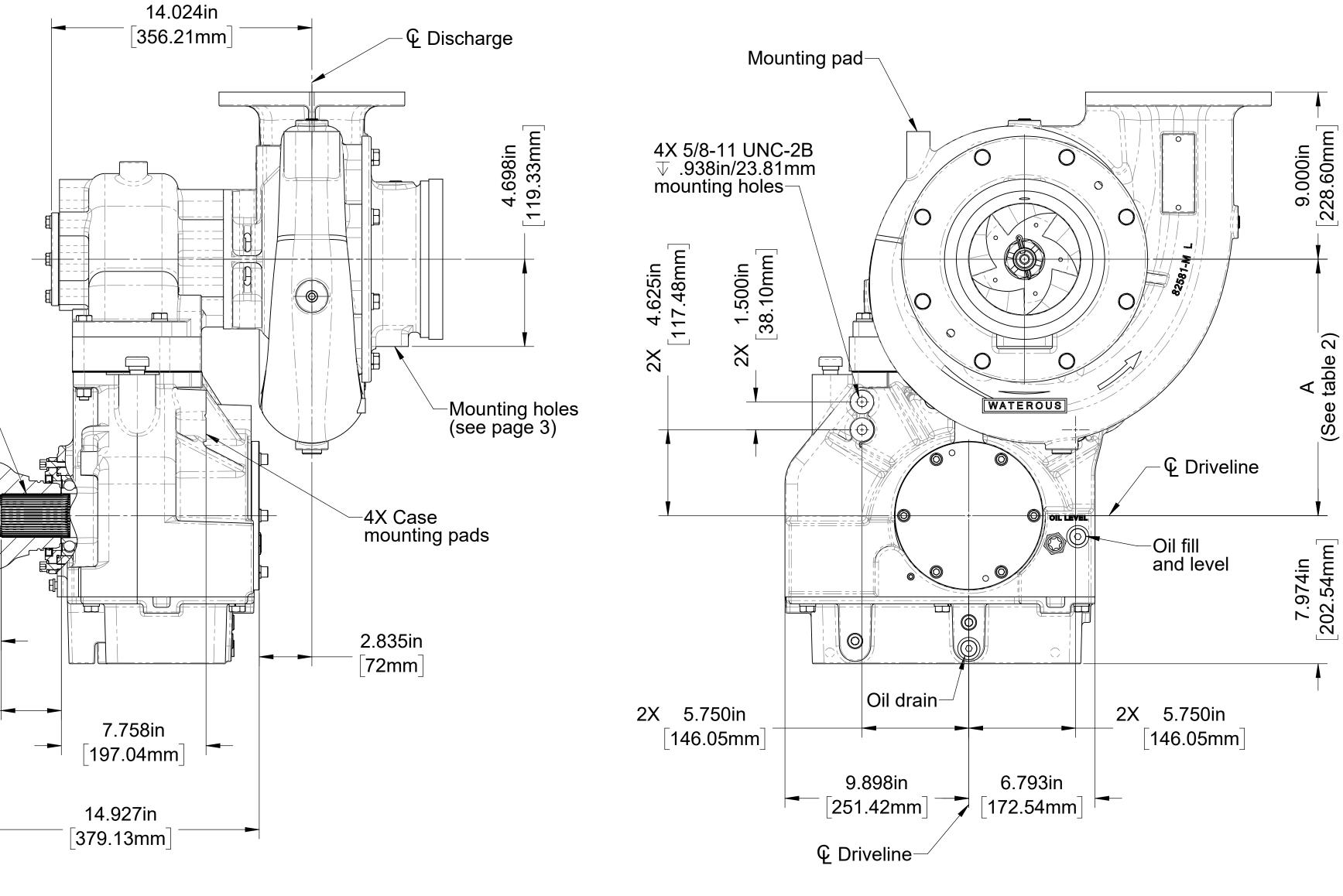
|                     | Table 1 - Available Driveline / Models |                  |   |                          |                       |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
|---------------------|--|------------------|---|--------------------------|-----------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------|--|--|
| Driveline           |  | Optional E       | Optional End Yokes and Companion Flanges available fi<br>Waterous |                          |                       |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
| Туре                | Size                                   | Spline           | Spicer  | Y                        | oke                   | Companion |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
|                     |  | Spicer<br>Series | Part Number   | Cross and<br>Bearing Kit | Flange                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
|                     |  | 2.350-46T        | 1480/1610   |                          |                       | V 3719    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
| Extra Heavy<br>Duty | Extra Heavy 2.35 Inch                  |                  |   |                          | 2.350-461<br>Involute |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1650/1710 |  |  |
| Daty                |  |                  | 1710  | V 2837                   | V 2839                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
|                     |  |                  | 1810  | V 2838                   | V 2840                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |
|                     |  |                  | SPL140  | V 3388                   | V 3389                |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |           |  |  |

|                 | Table 2 - Available Ratios |             |          |          |          |  |  |
|-----------------|----------------------------|-------------|----------|----------|----------|--|--|
| Drive to        |                            | Dimension A |          |          |          |  |  |
| Driven<br>Ratio | C22B                       | C22C        | C22D     | C22E     | C22F     |  |  |
| 1.27 (2)        | N/A                        | N/A         | N/A      | N/A      | N/A      |  |  |
| 1.41            | 11.840in                   | 13.899in    | 14.931in | 16.971in | 19.002in |  |  |
|                 | 300.74mm                   | 353.03mm    | 379.25mm | 431.06mm | 482.65mm |  |  |
| 1.48            | 12.326in                   | 13.878in    | 14.907in | 16.951in | 16.981in |  |  |
|                 | 313.08mm                   | 352.50mm    | 378.64mm | 430.56mm | 479.07mm |  |  |
| 1.58            | 12.205in                   | 13.756in    | 14.788in | 16.830in | 18.861in |  |  |
|                 | 310.01mm                   | 349.40mm    | 375.62mm | 427.48mm | 479.07mm |  |  |
| 1.69            | 12.290in                   | 13.839in    | 14.876in | 16.923in | 18.961in |  |  |
|                 | 312.17mm                   | 35.151mm    | 377.85mm | 429.84mm | 481.61mm |  |  |
| 1.79            | 11.958in                   | 14.045in    | 15.072in | 17.127in | 19.168in |  |  |
|                 | 303.73mm                   | 356.74mm    | 382.83mm | 435.03mm | 486.87mm |  |  |
| 1.88            | 12.129in                   | 13.690in    | 14.717in | 16.773in | 18.809in |  |  |
|                 | 308.08mm                   | 347.73mm    | 373.81mm | 426.03mm | 477.75mm |  |  |
| 1.97            | 12.306in                   | 13.870in    | 14.912in | 16.970in | 19.012in |  |  |
|                 | 312.57mm                   | 352.30mm    | 378.76mm | 431.04mm | 482.90mm |  |  |
| 2.03            | 11.896in                   | 13.984in    | 15.028in | 17.086in | 19.132in |  |  |
|                 | 302.16mm                   | 355.19mm    | 381.71mm | 433.98mm | 485.95mm |  |  |
| 2.27            | 12.240in                   | 13.811in    | 14.856in | 16.920in | 18.791in |  |  |
|                 | 310.90mm                   | 350.80mm    | 377.34mm | 429.77mm | 481.86mm |  |  |
| 2.46            | 11.941in                   | 14.042in    | 15.087in | 17.154in | 19.205in |  |  |
|                 | 303.30mm                   | 356.67mm    | 383.21mm | 435.71mm | 487.81mm |  |  |
| 2.68            | 12.169in                   | 13.746in    | 14.793in | 16.865in | 18.923in |  |  |
|                 | 309.09mm                   | 349.15mm    | 375.74mm | 428.37mm | 480.64mm |  |  |

### Driveline, see table 1 (Optional end yokes available, see table 1)—

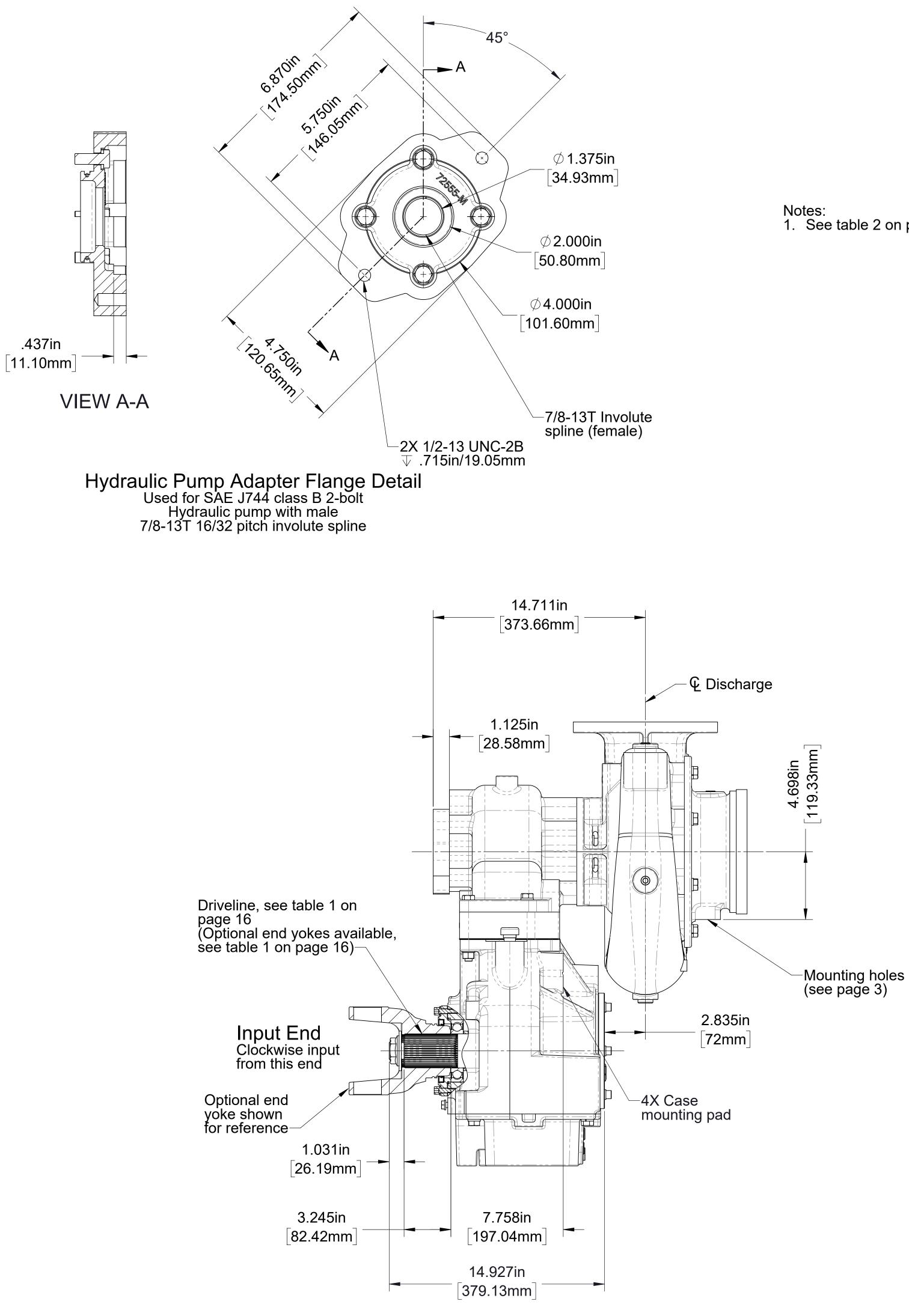
| Clo  | out End<br>ockwise input<br>m this end |
|--|--|
| Optional end<br>yoke shown<br>for reference— | 1.031in<br>[26.19mm]                   |
|  | 3.245in<br>[82.42mm]                   |
|  |  |

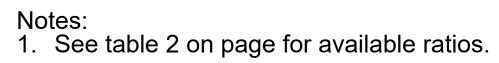


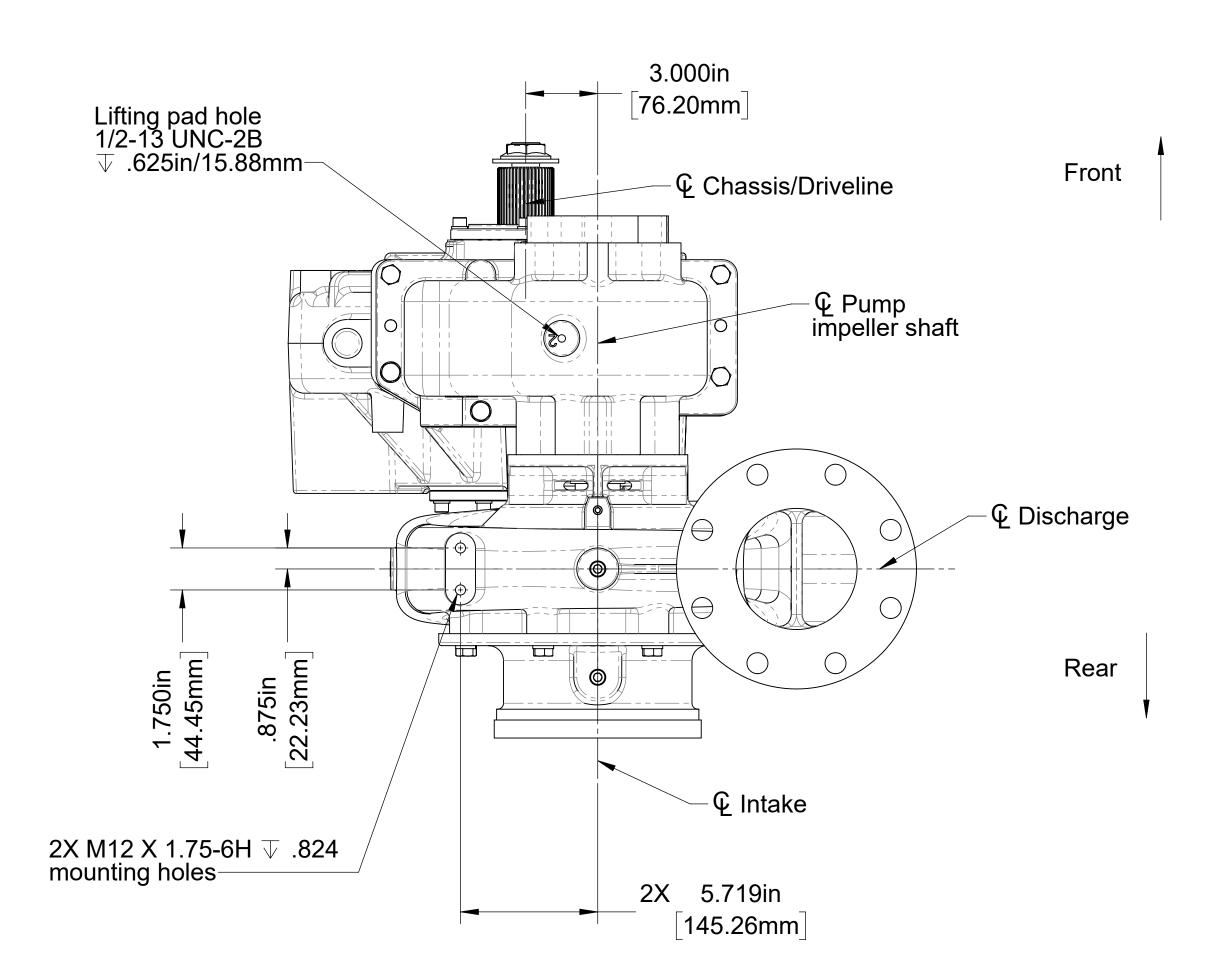


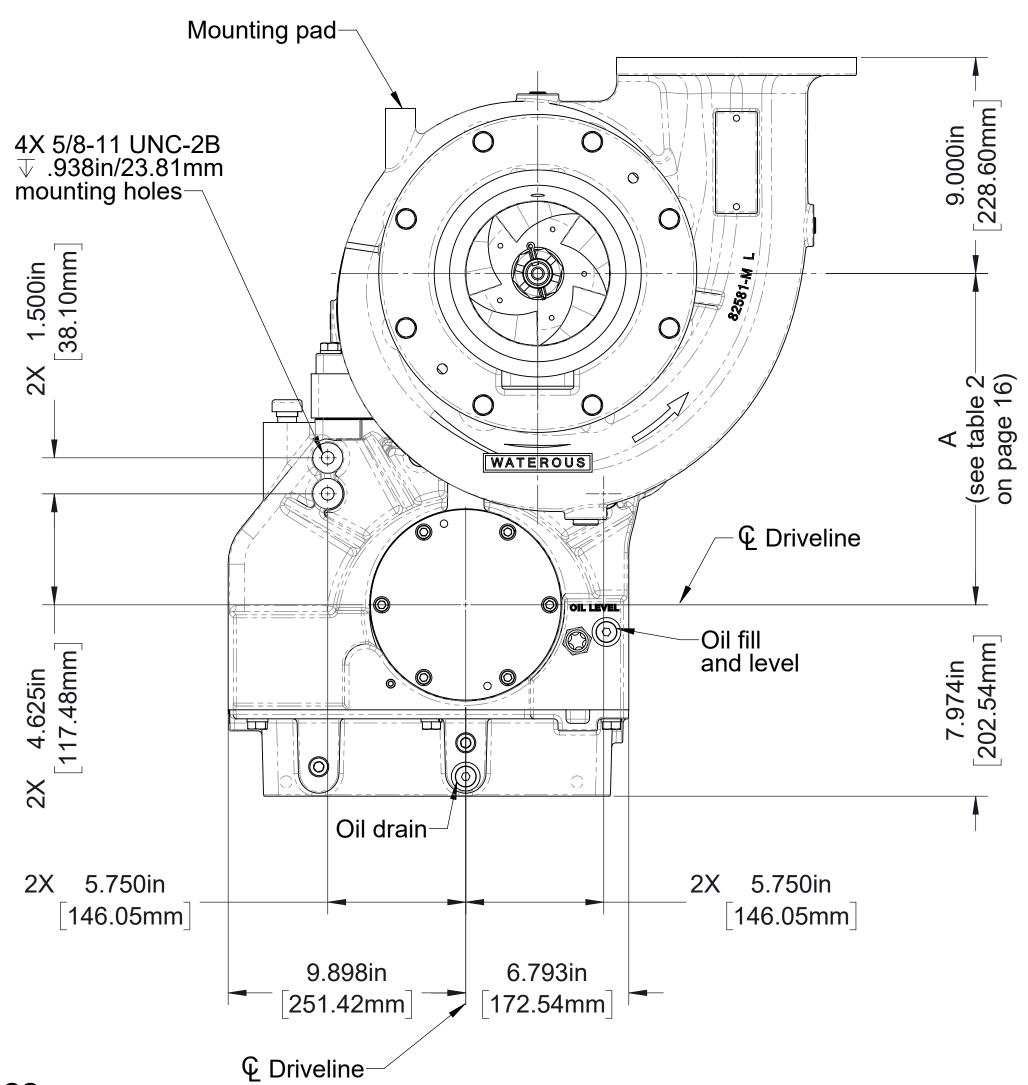
**Model S100C22** Input shaft only, pump mounted on rear (output shaft side) of transmission Clockwise input, model S100C22E, 2.27 ratio shown blank discharge, up discharge position showm

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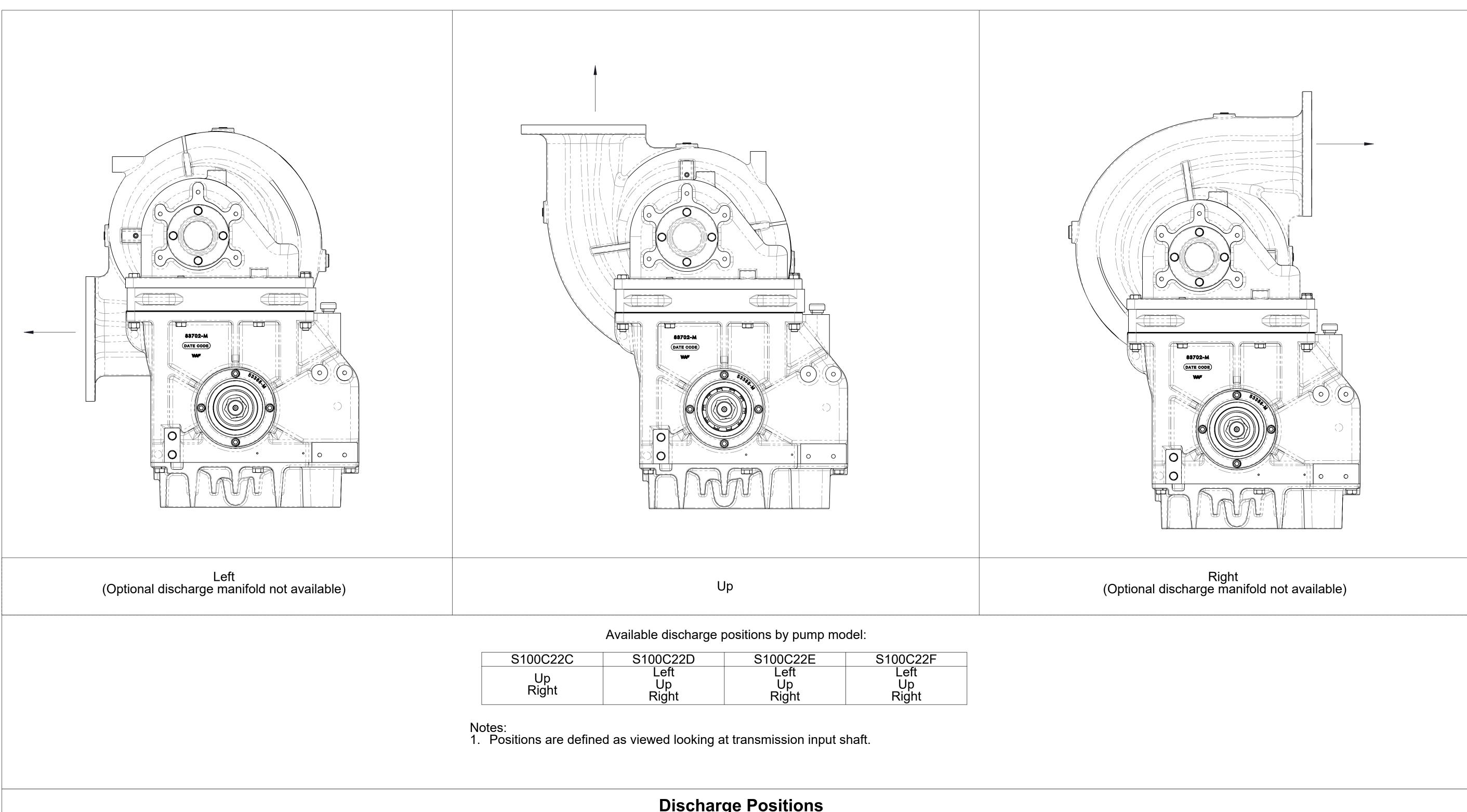




### Model S100C22

Input shaft only Pump mounted on rear (output shaft side) of transmission Hydraulic pump mounting provision on front (input shaft side) of transmission Clockwise input, model S100C22E, 2.27 ratio shown blank discharge, up discharge position

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| S100C22C | S100C22D | S100C22E | S100C22F |
|----------|----------|----------|----------|
| Up       | Left     | Left     | Left     |
| Right    | Up       | Up       | Up       |
| rtight   | Right    | Right    | Right    |

### **Discharge Positions**

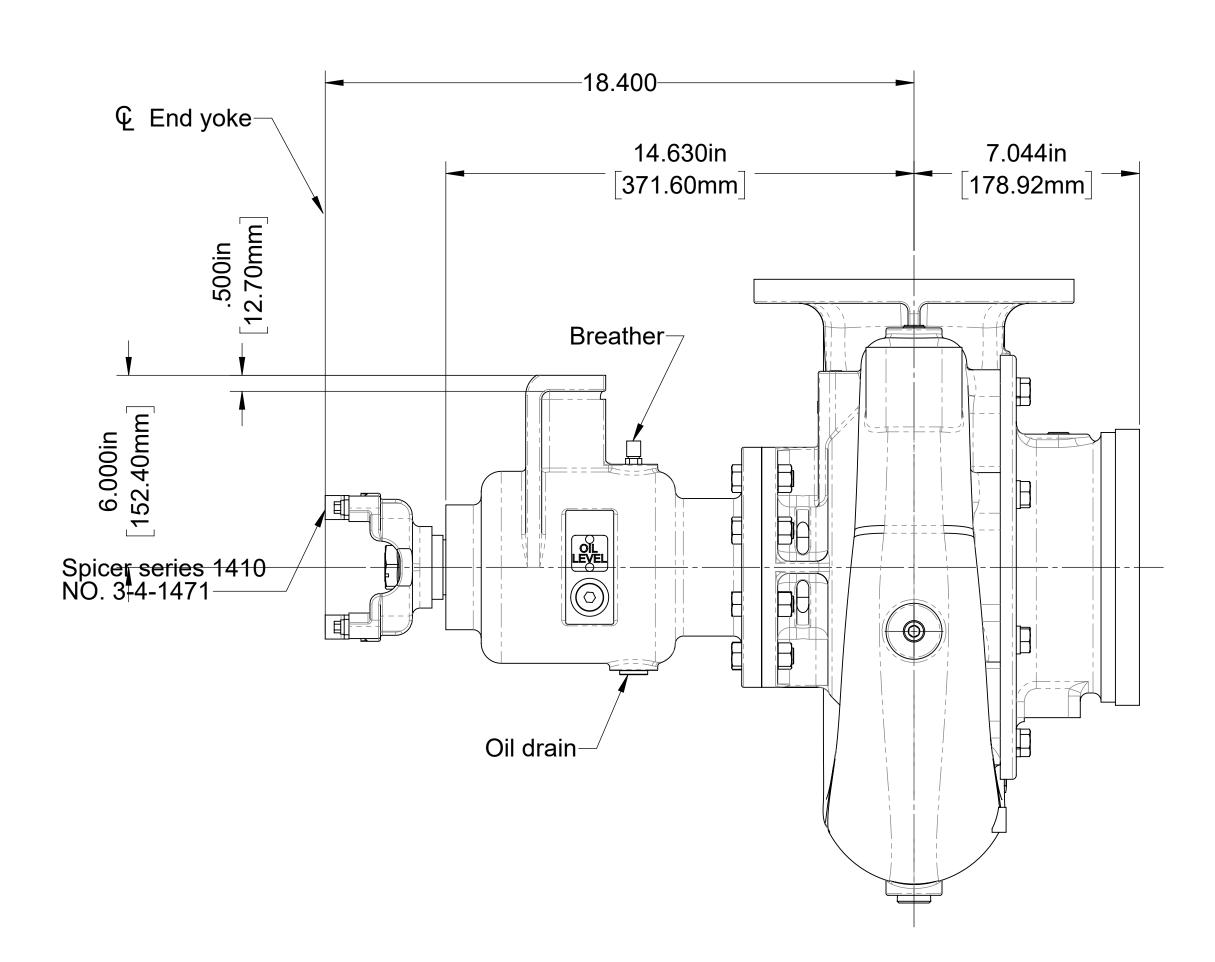
### **Ordering Information**

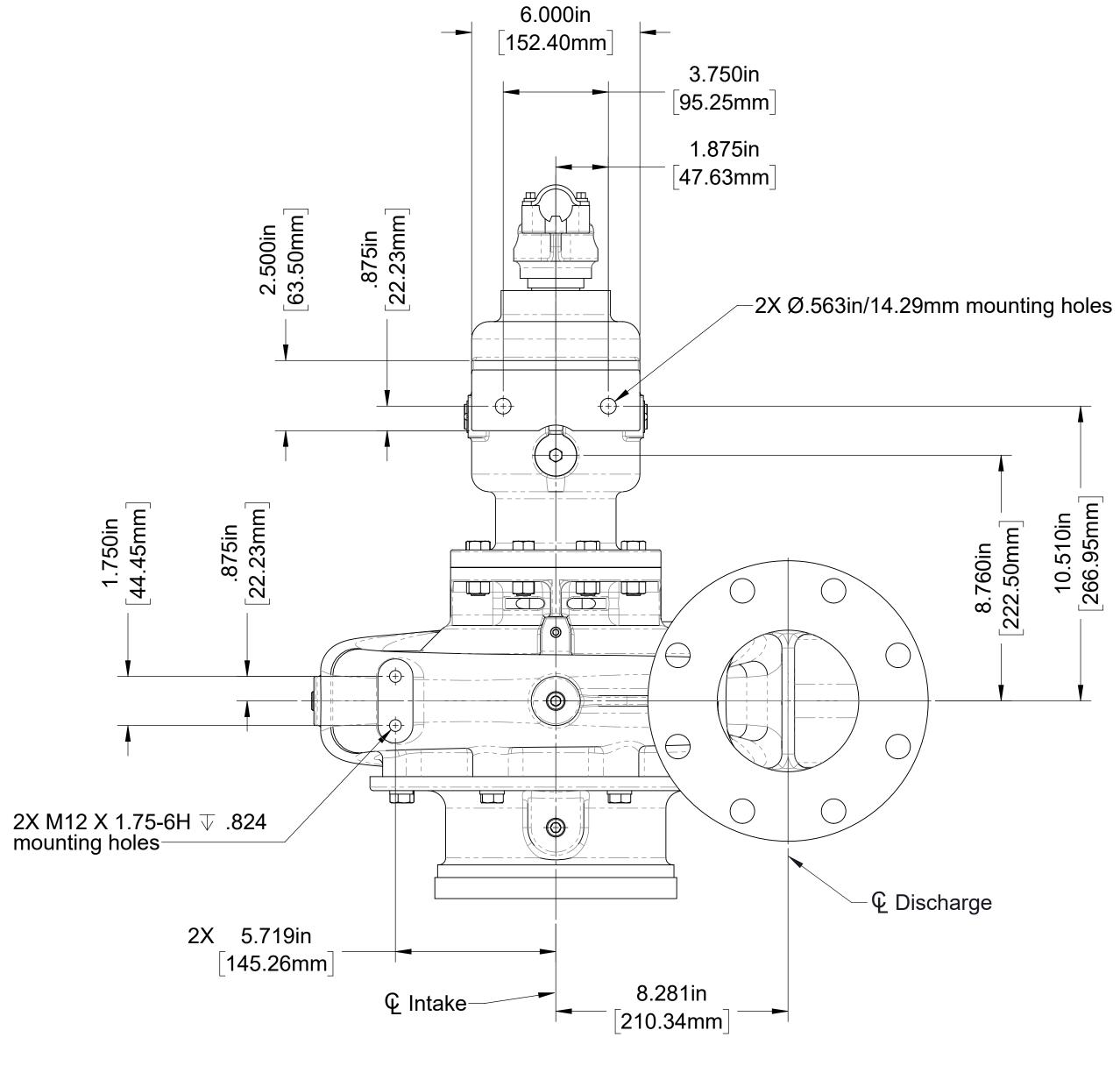
When Ordering furnish the following informaton:

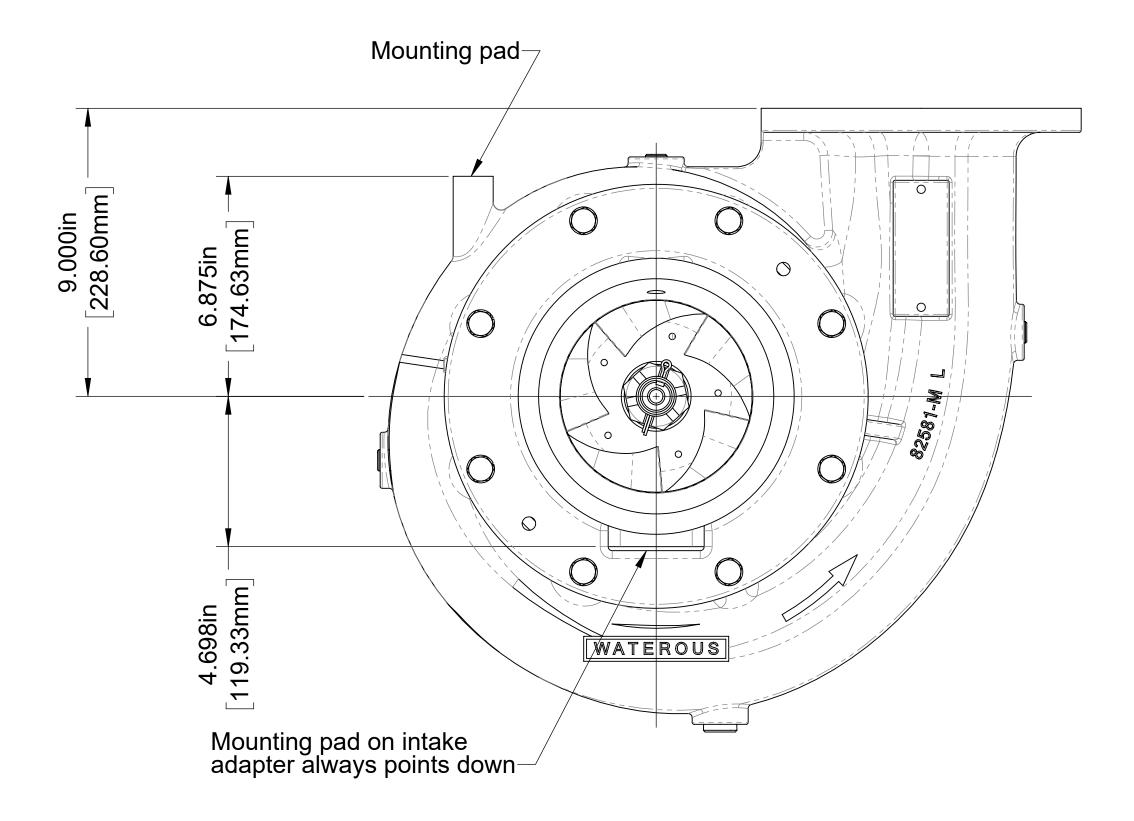
- Pump model: (see page 16).
   Drive to driven ratio: (see page 16).
   Pump mounting front of transmission.
   Discharge position: left, up or right.
   Hydraulic adapter (see page 17).
   Optional discharge fitting: (see pages 4 through 6).

Pump mounted on rear (output shaft side) of transmission model S100C22 ordering information

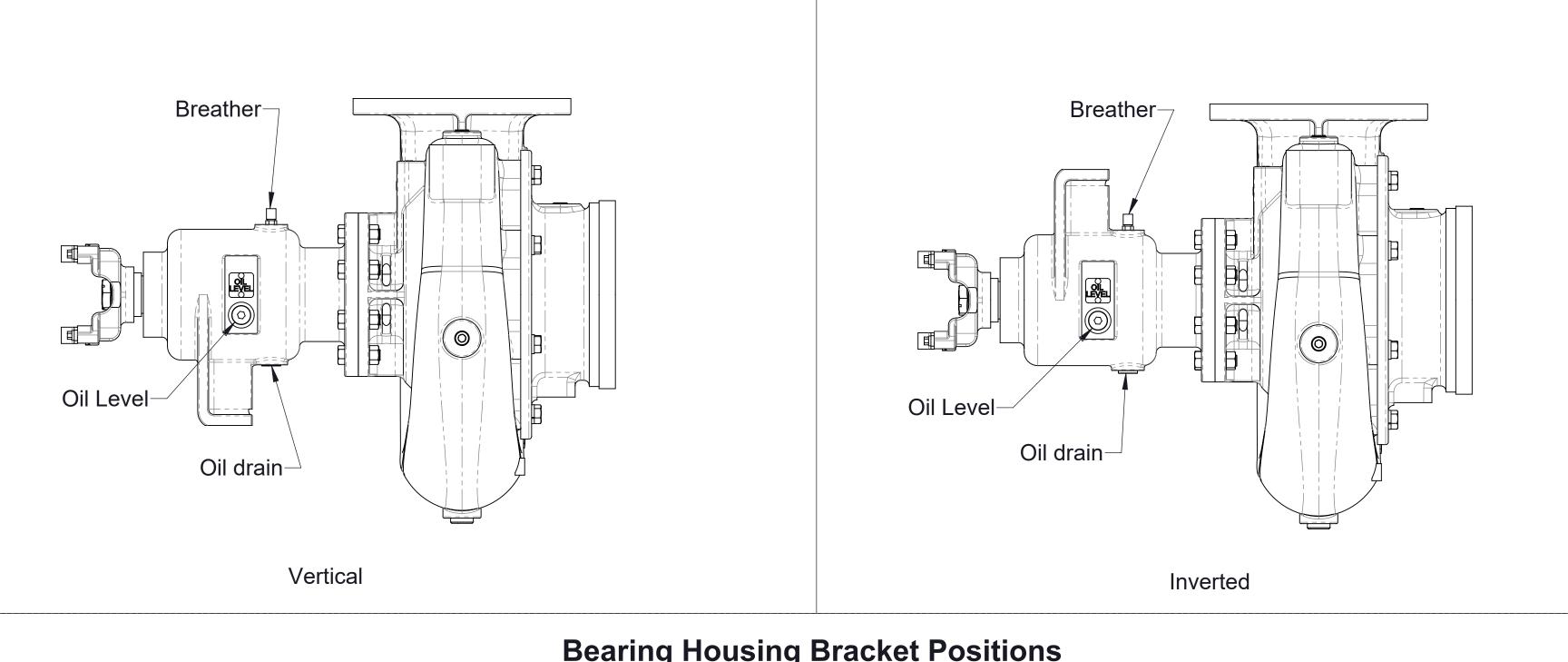
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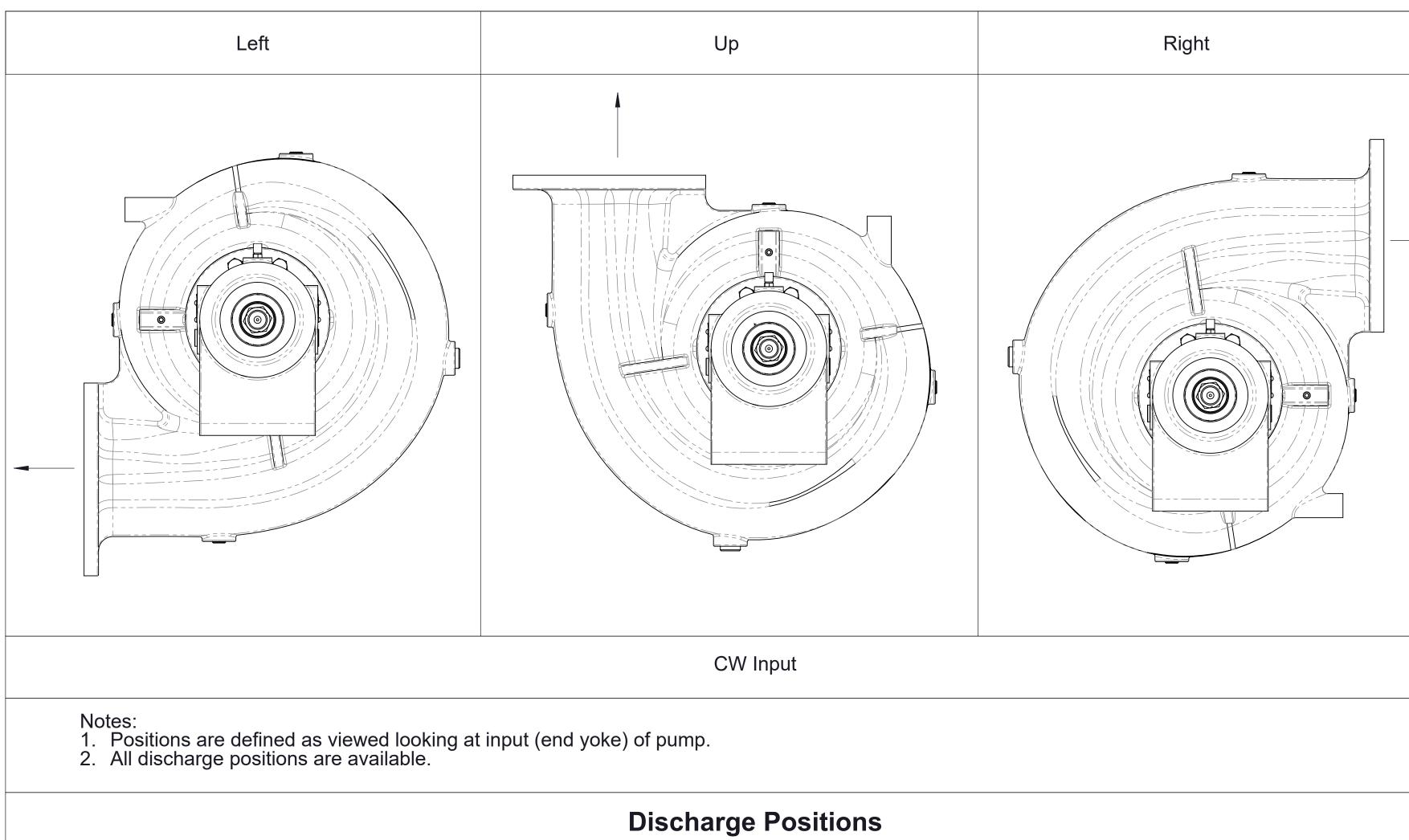






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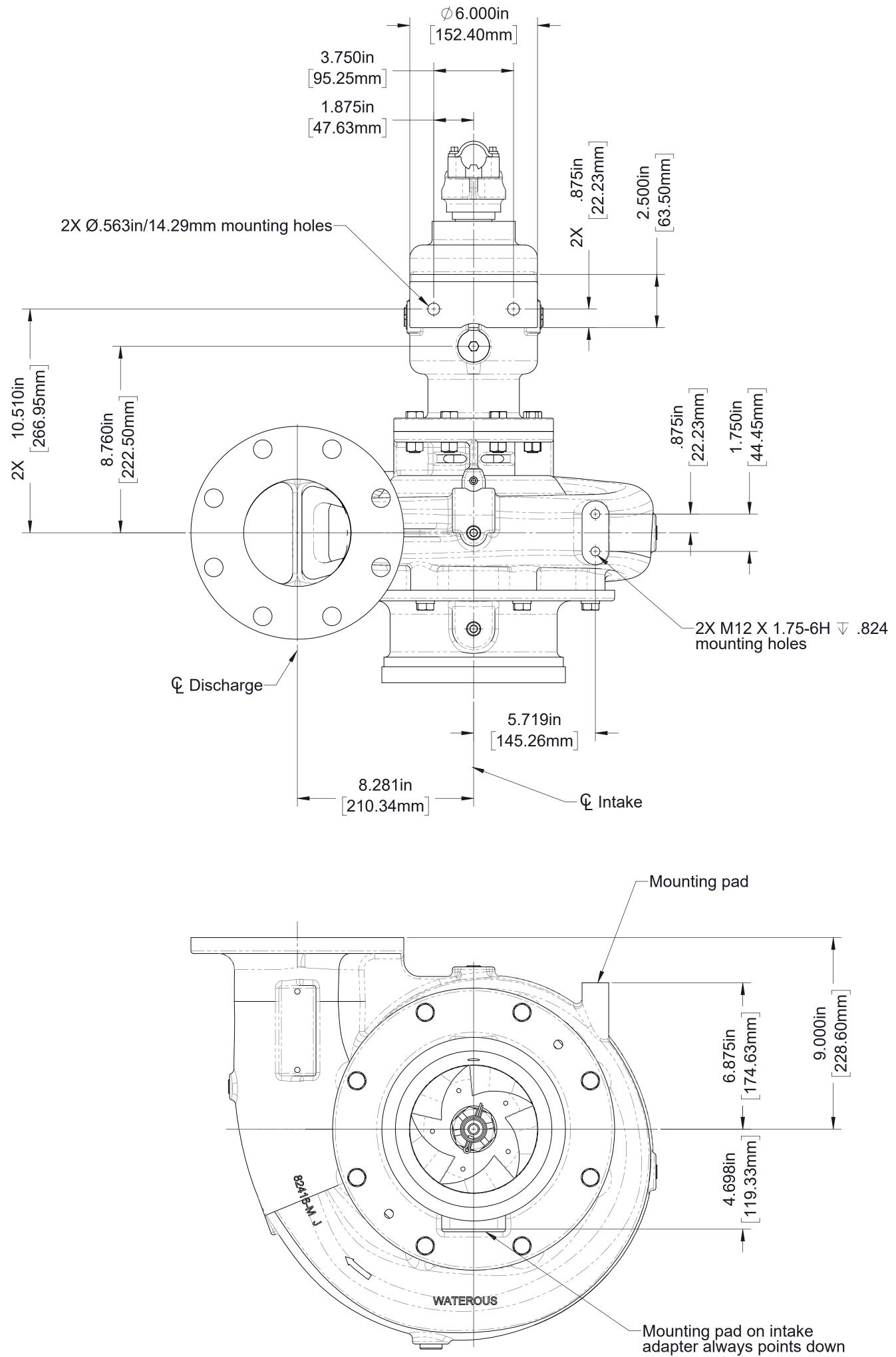


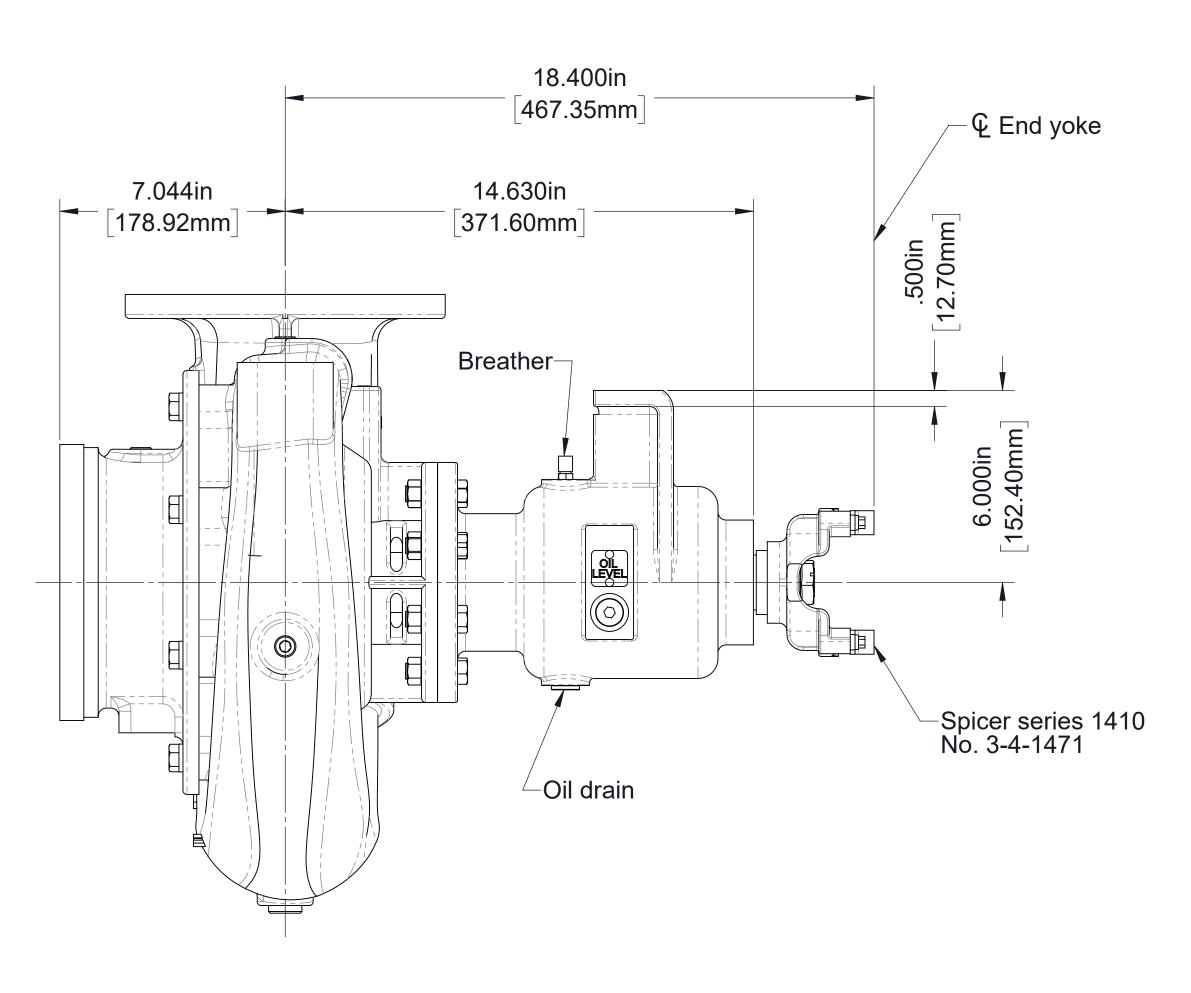
### **Bearing Housing Bracket Positions**

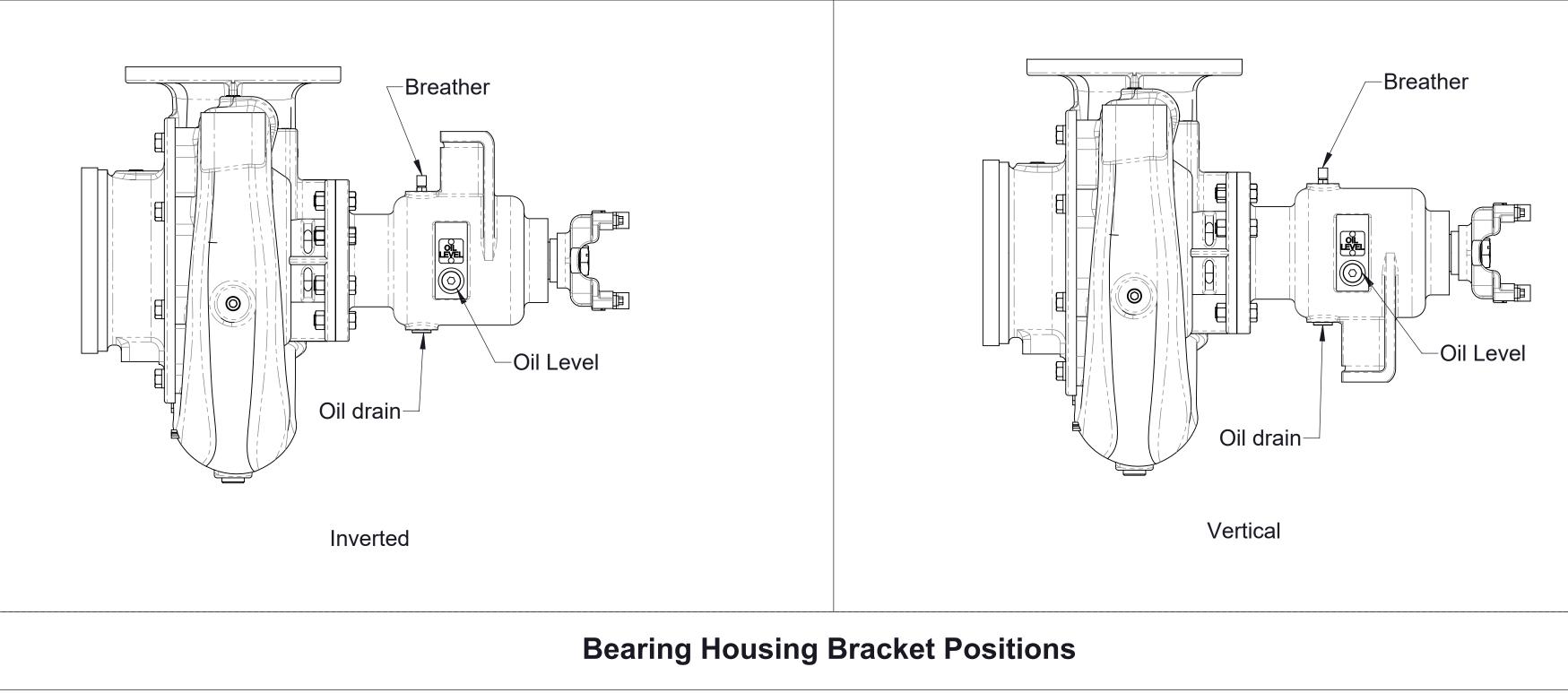
### **Ordering Information**

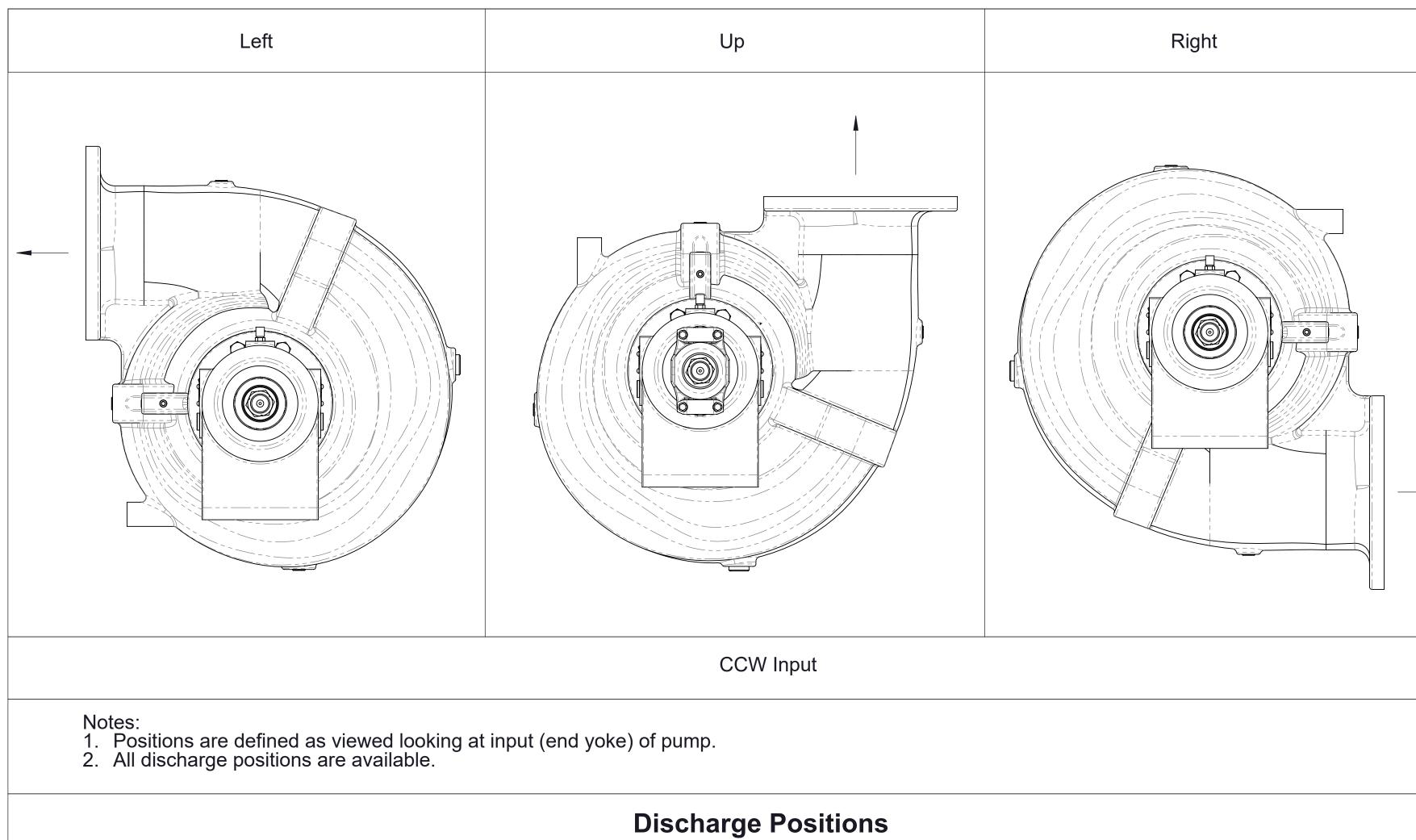
- When ordering furnish the following information:
  1. Pump model: S100D.
  2. Input rotation: Clockwise
  3. Bearing housing bracket position: vertical or inverted.
  4. Discharge position: left, up or right.
  5. Optional discharge fitting: (see pages 4 through 6).

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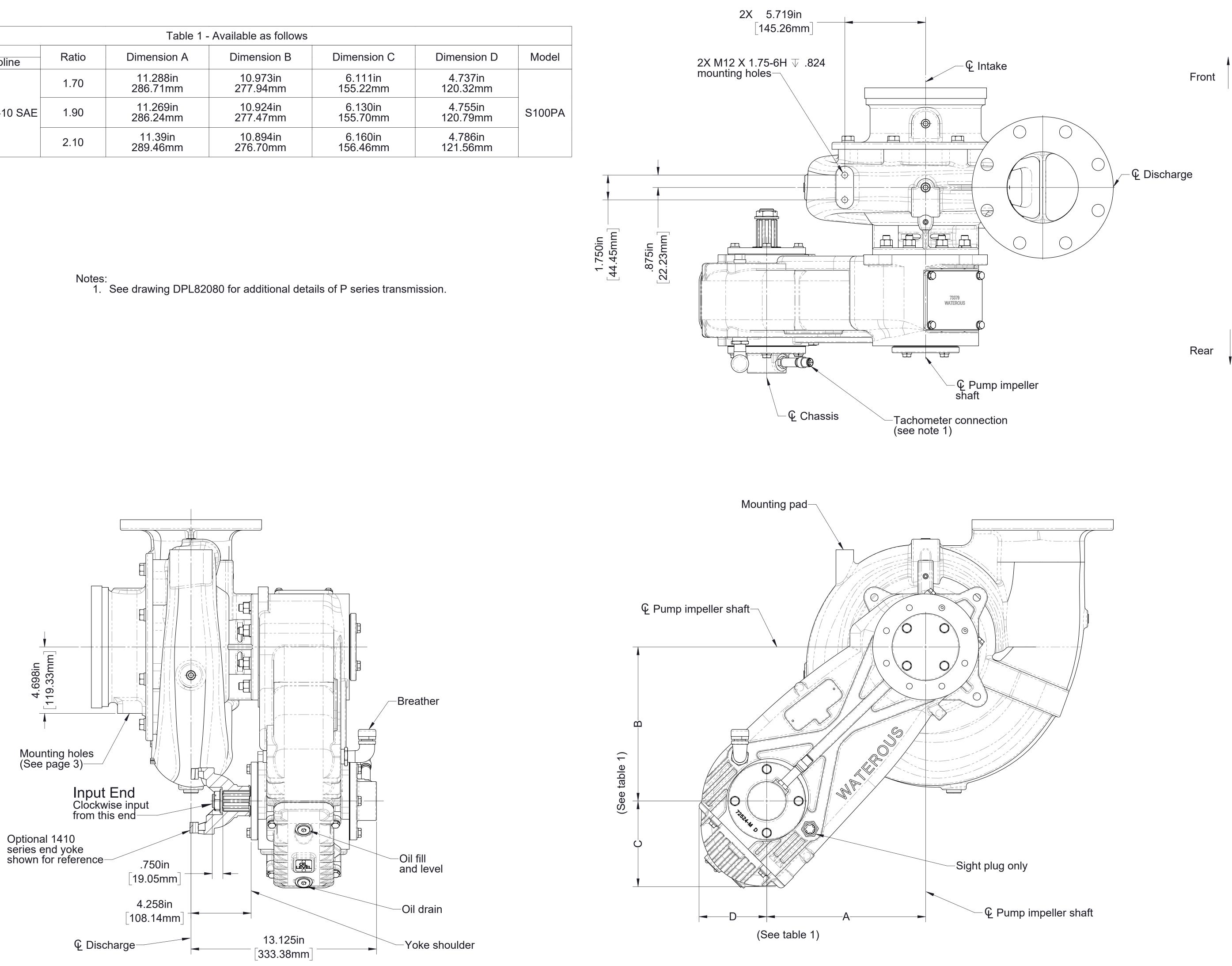


### **Ordering Information**

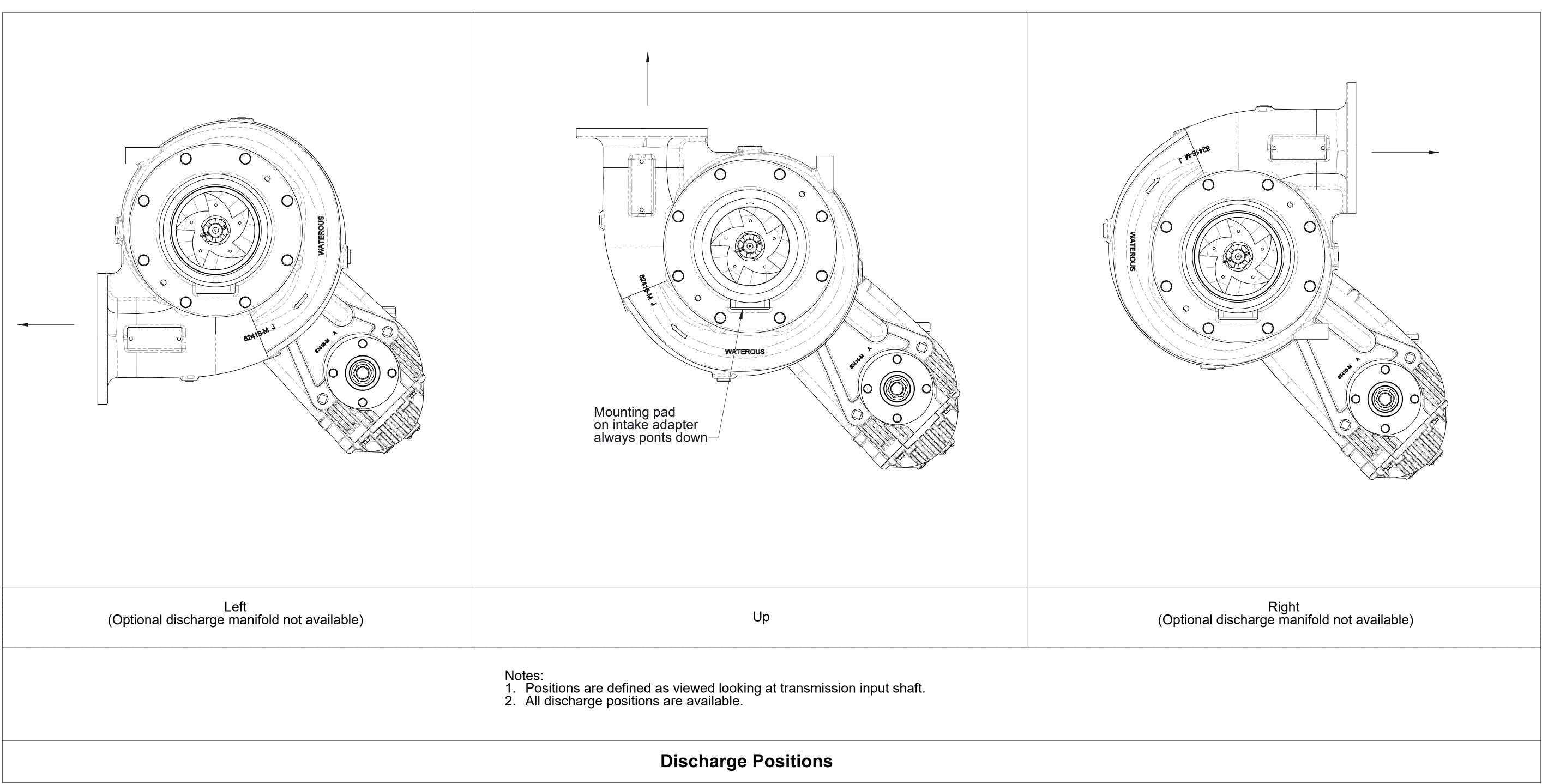
- When ordering furnish the following information:
  1. Pump model: S100D.
  2. Input rotation: Counterclockwise
  3. Bearing housing bracket position: vertical or inverted.
  4. Discharge position: left, up or right.
  5. Optional discharge fitting: (see pages 4 through 6).

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|              |                  | Table 1 - Available as follows |                      |                      |                     |  |
|--------------|------------------|--------------------------------|----------------------|----------------------|---------------------|--|
| Driv<br>Size | veline<br>Spline | Ratio                          | Dimension A          | Dimension B          | Dimension C         |  |
|              | 1.70             | 11.288in<br>286.71mm           | 10.973in<br>277.94mm | 6.111in<br>155.22mm  |                     |  |
| 1-1/2 Inch   | 1-1/2-10 SAE     | 1.90                           | 11.269in<br>286.24mm | 10.924in<br>277.47mm | 6.130in<br>155.70mm |  |
|              | 2.10             | 11.39in<br>289.46mm            | 10.894in<br>276.70mm | 6.160in<br>156.46mm  |                     |  |



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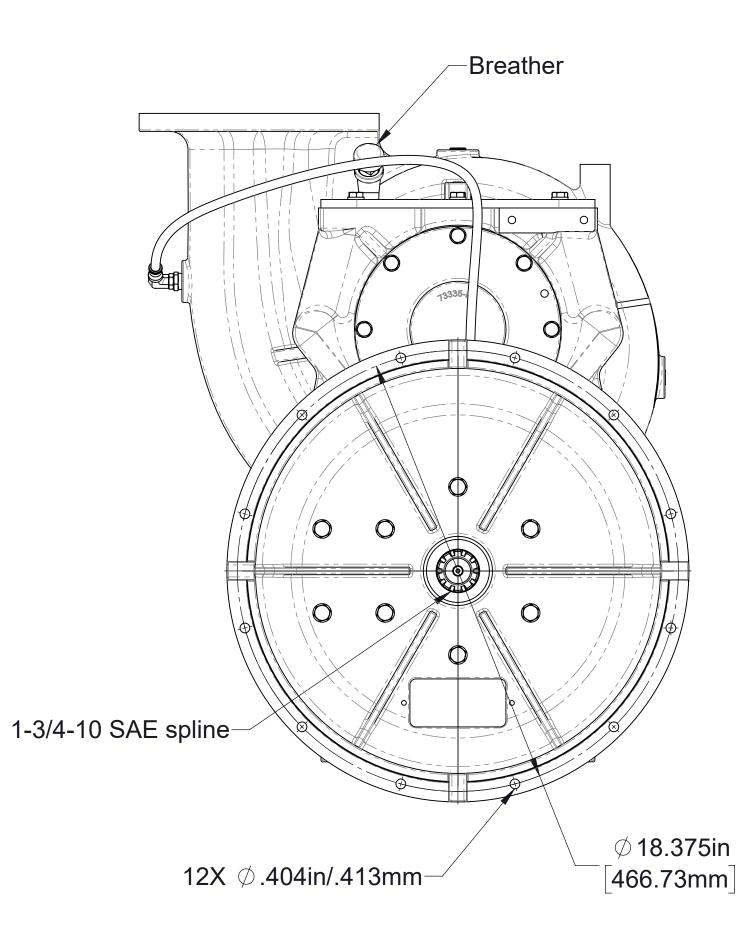
### **Ordering Information**

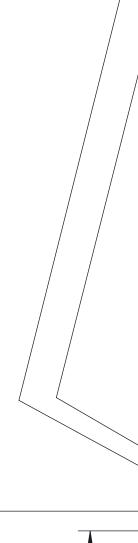
When Ordering furnish the following informaton:

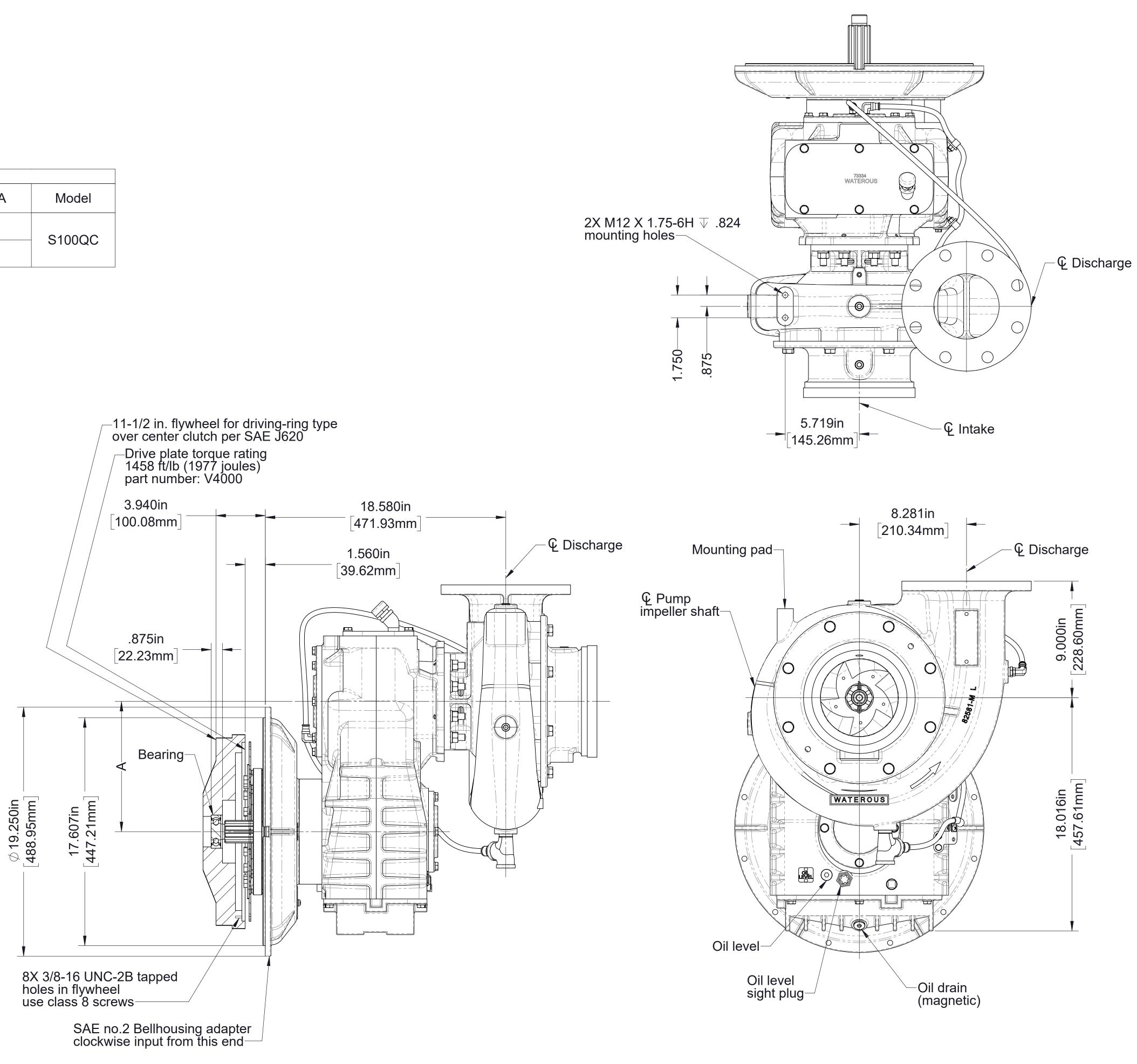
- Pump model: S100PA
   Drive to driven ratio: (see page 23).
   Pump mounting: front (input shaft side) of transmission.
   Discharge position: left, up or right.
   Optional discharge fitting: (see pages 4 through 6).

Pump mounted on front (input shaft side) of transmission model S100PA ordering information.

|                         |              | Table 1 |                      |          |
|-------------------------|--------------|---------|----------------------|----------|
| Driv                    | Driveline    |         | Dimension A          | Madal    |
| Size                    | Spline       | Ratio   | DIMENSIONA           | Model    |
| 1-3/4 Inch 1-3/4-10 SAE |              | 1.83    | 10.063in<br>255.60mm | - S100QC |
| 1-3/4 IIICH             | 1-3/4-10 SAE | 2.10    | 10.553in<br>268.05mm | 3100QC   |

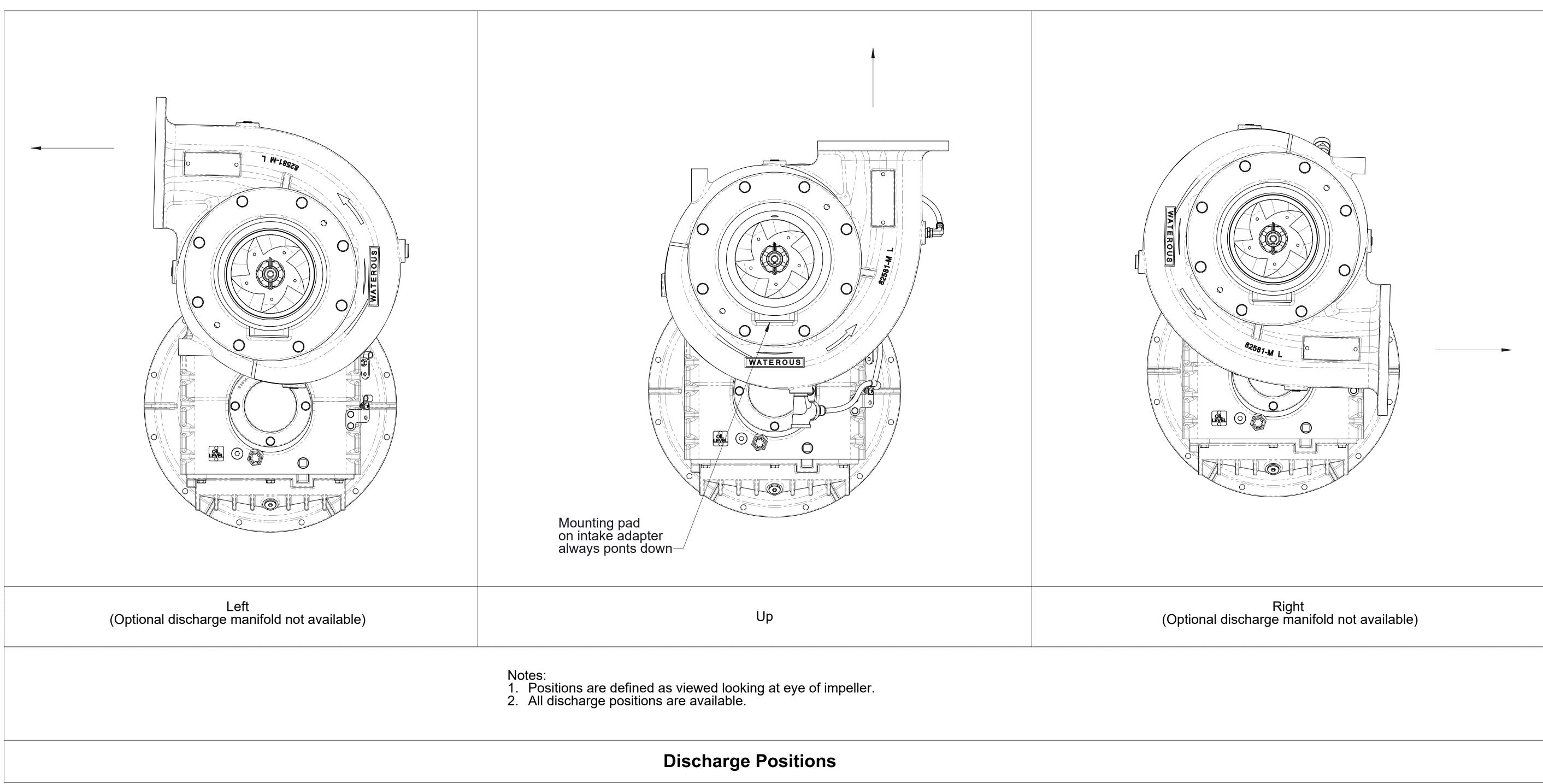






**Model S100QC** Input shaft only Direct engine mounted, vertical case Pump mounted on rear (output shaft side) of transmission Clockwise input, model S100QC, 1.83 ratio shown, blank discharge, up discharge position shown

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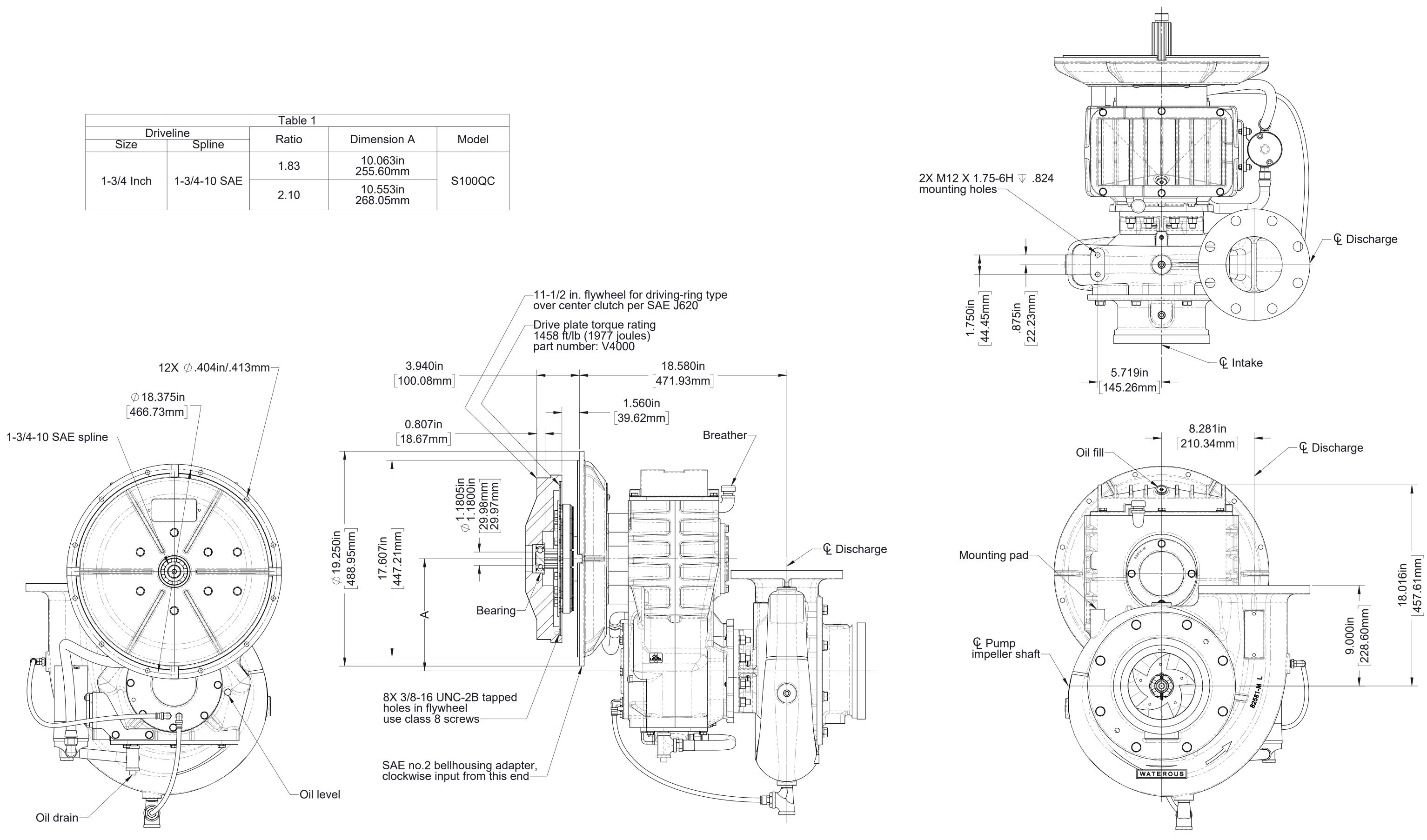
### **Ordering Information**

When Ordering furnish the following information:

- Pump model: S100QC.
   Drive to driven ratio: (see page 25).
   Pump mounting: rear (output shaft side) of transmission.
   Discharge position: left, up or right.
   Optional discharge fitting: (see pages 4 through 6).

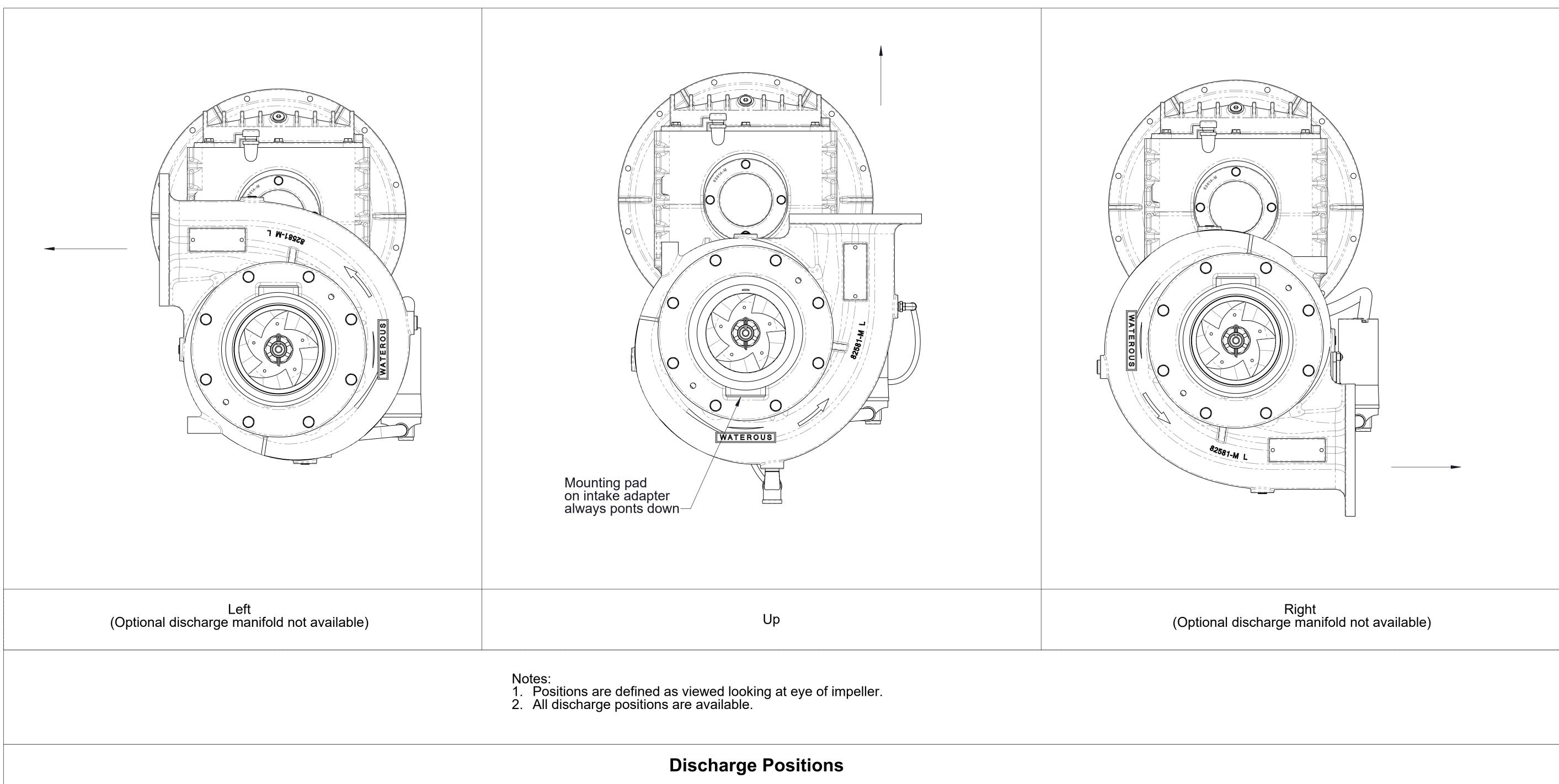
Direct engine mounted. vertical case Pump mounted on rear (output shaft side) of transmission Model S100QC ordering information

|              |                  | Table 1                 |                      |                      |          |
|--------------|------------------|-------------------------|----------------------|----------------------|----------|
| Driv<br>Size | veline<br>Spline | Ratio                   | Dimension A          | Model                |          |
|              |                  | 1.83                    | 10.063in<br>255.60mm | 010000               |          |
| 1-3/4 INCN   | 1-3/4-10 SAE     | 1-3/4 Inch 1-3/4-10 SAE | 2.10                 | 10.553in<br>268.05mm | - S100QC |



**Model S100QC** Input shaft only Direct engine mounted, inverted case pump mounted on rear (output shaft side) of transmission Clockwise input, model S100QC, 1.83 ratio shown, blank discharge, up discharge position shown

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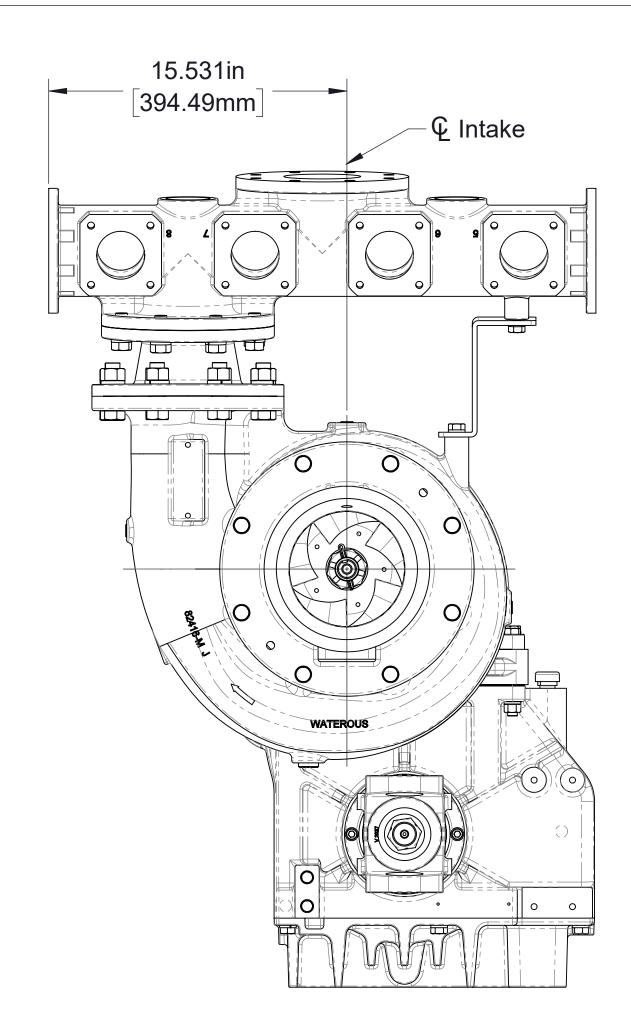


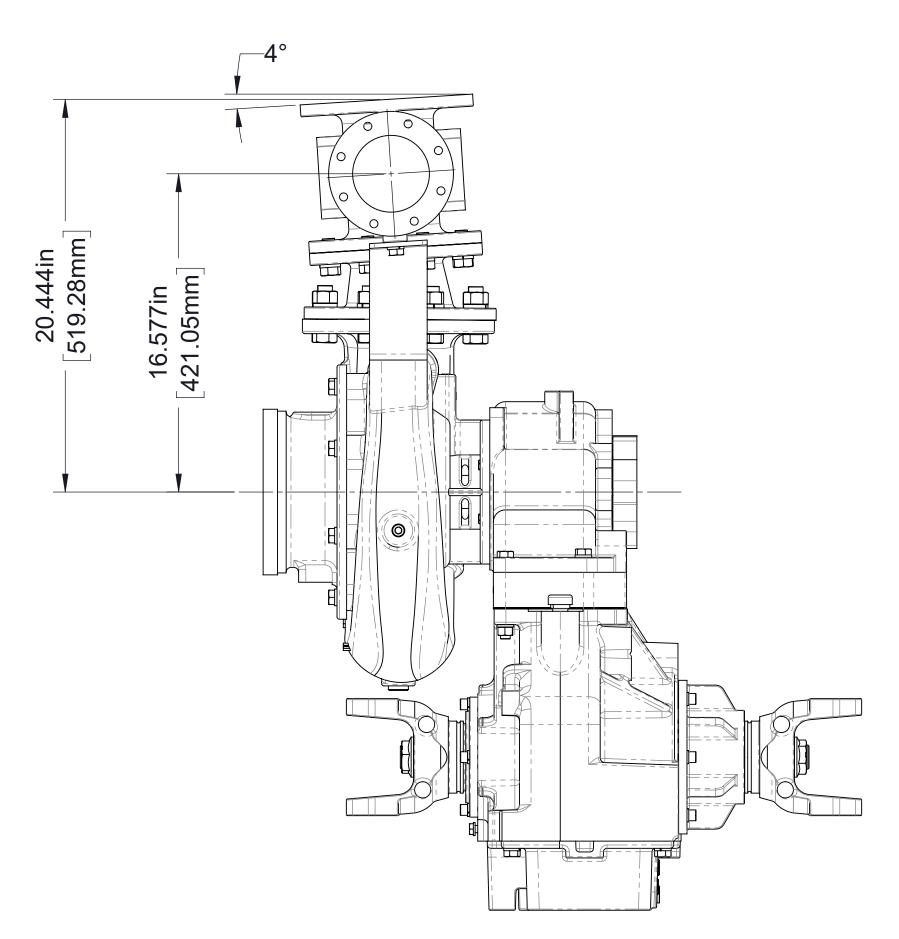
### **Ordering Information**

When Ordering furnish the following information:

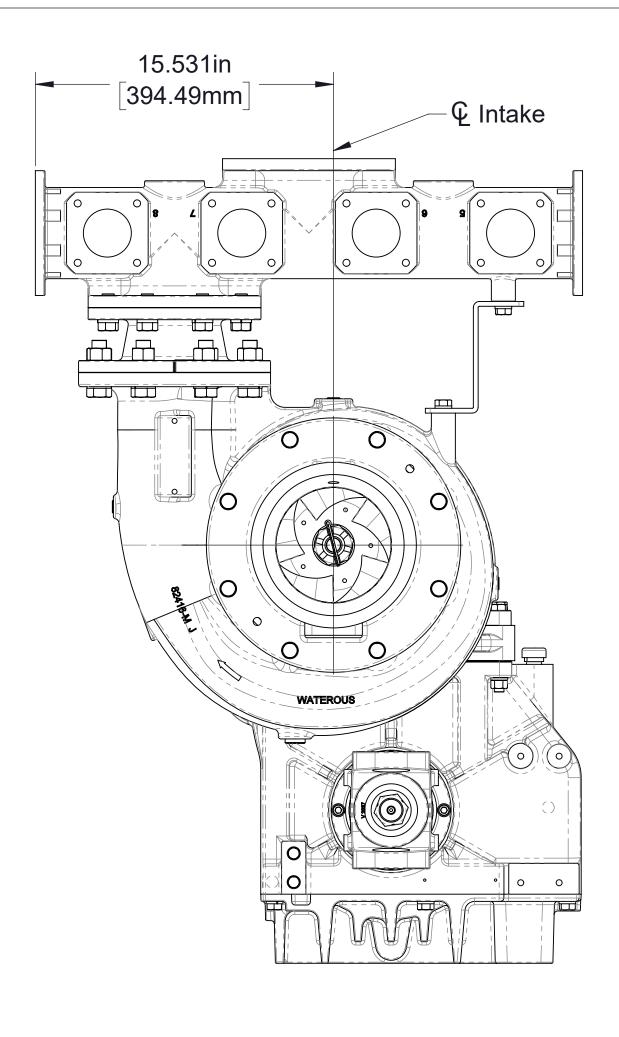
- Pump model: S100QC.
   Drive to driven ratio: (see page 27).
   Pump mounting: rear (output shaft side) of transmission.
   Discharge position: left, up or right.
   Optional discharge fitting: (see pages 4 through 6).

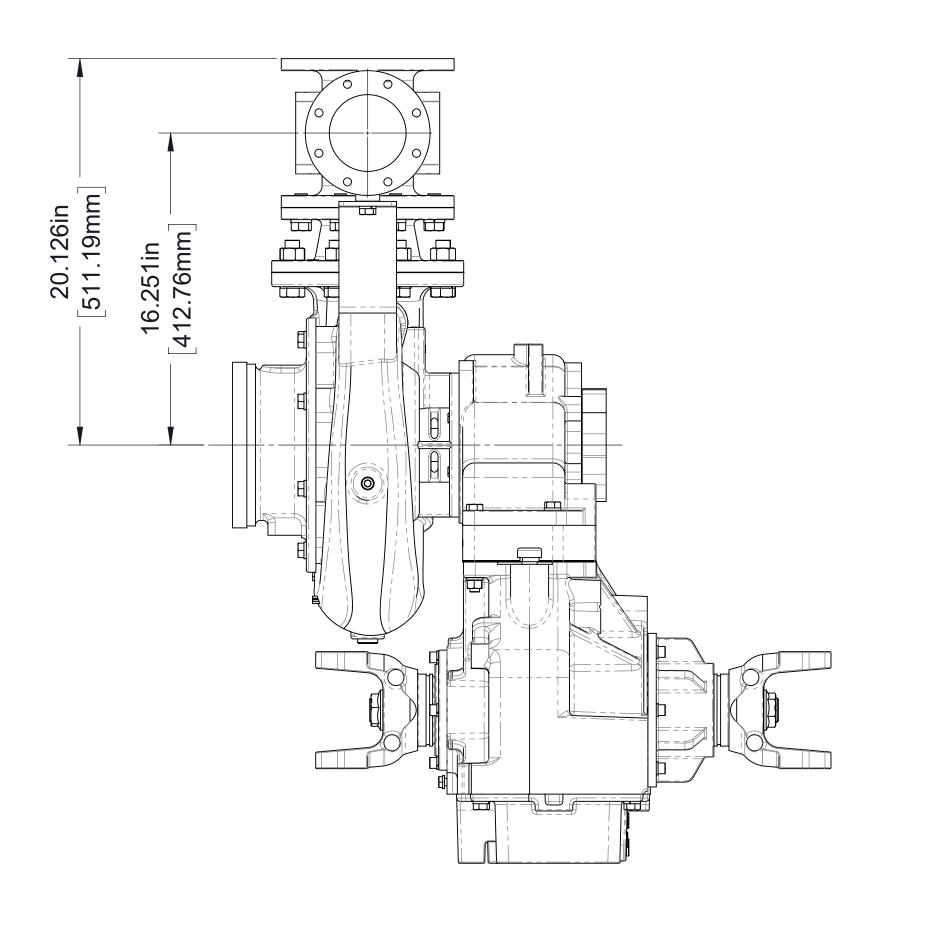
Direct engine mounted, inverted case Pump mounted on rear (output shaft side) of transmission Model S100QC ordering information





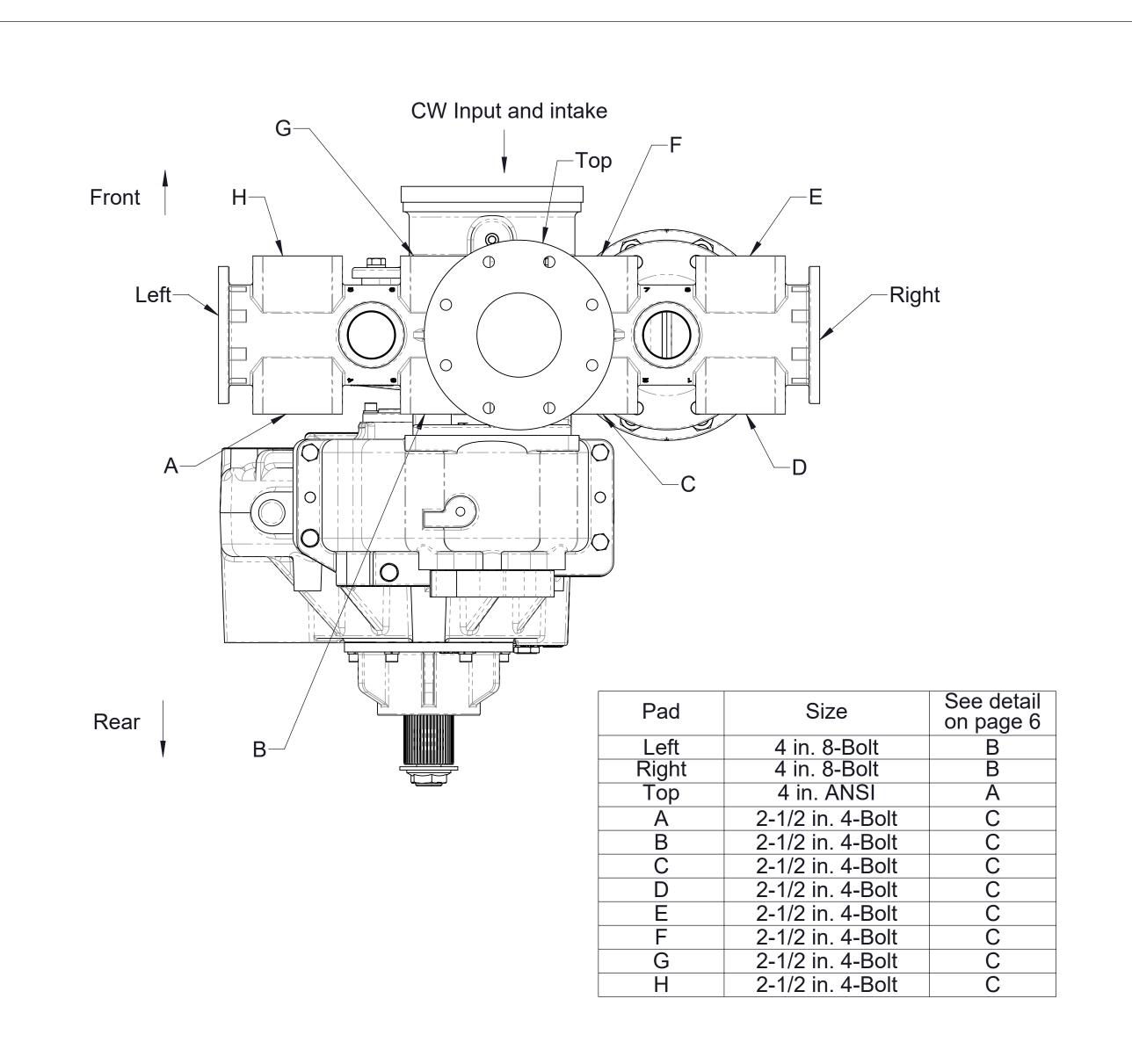
Angle Compensated





Non-Angle Compensated



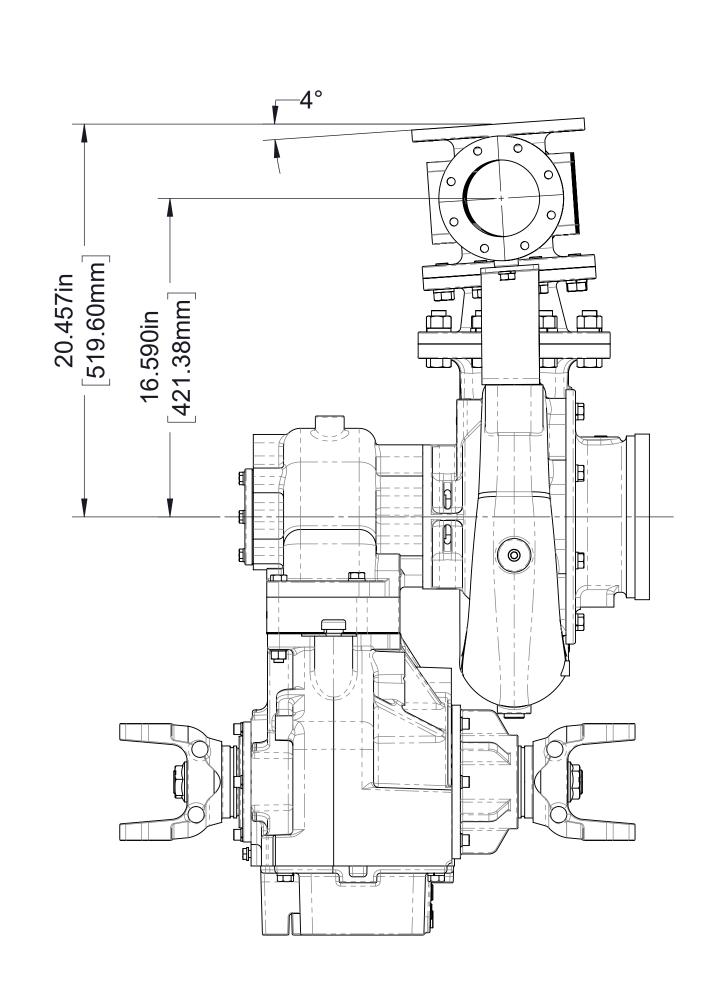


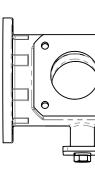
Manifold Mounted Perpendicular to Intake Model S100C22 Pump mounted on front (input shaft side) of transmission Note: see page 6 for manifold dimensions not shown

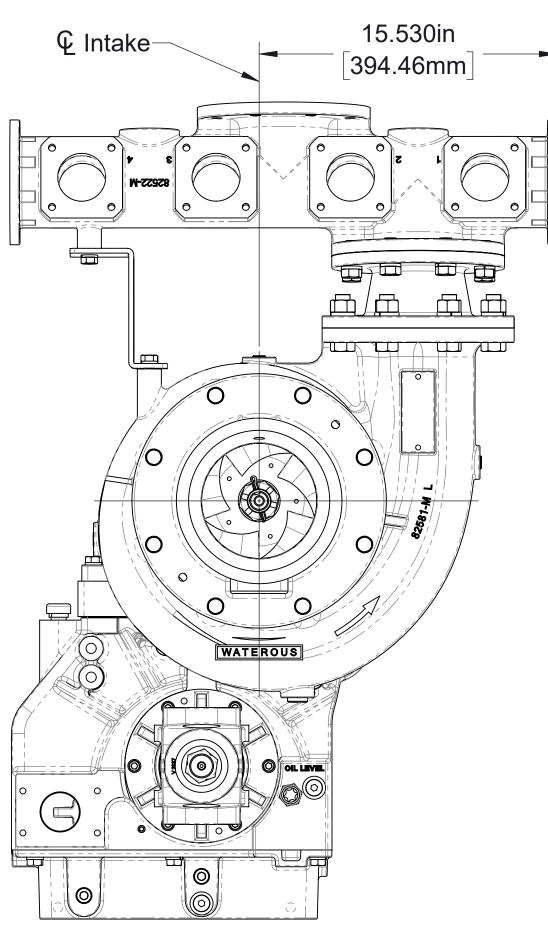
Manifold Pads

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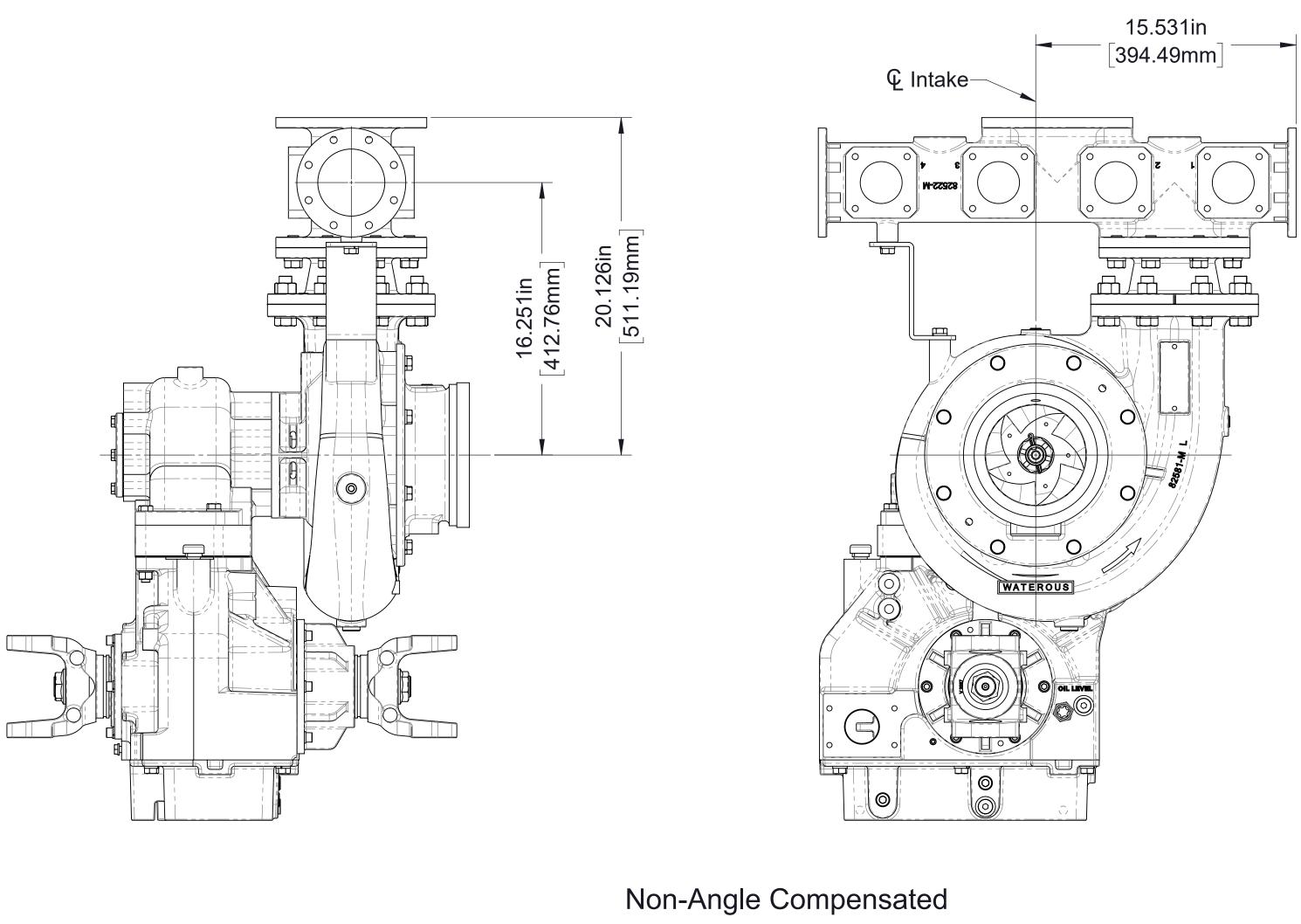


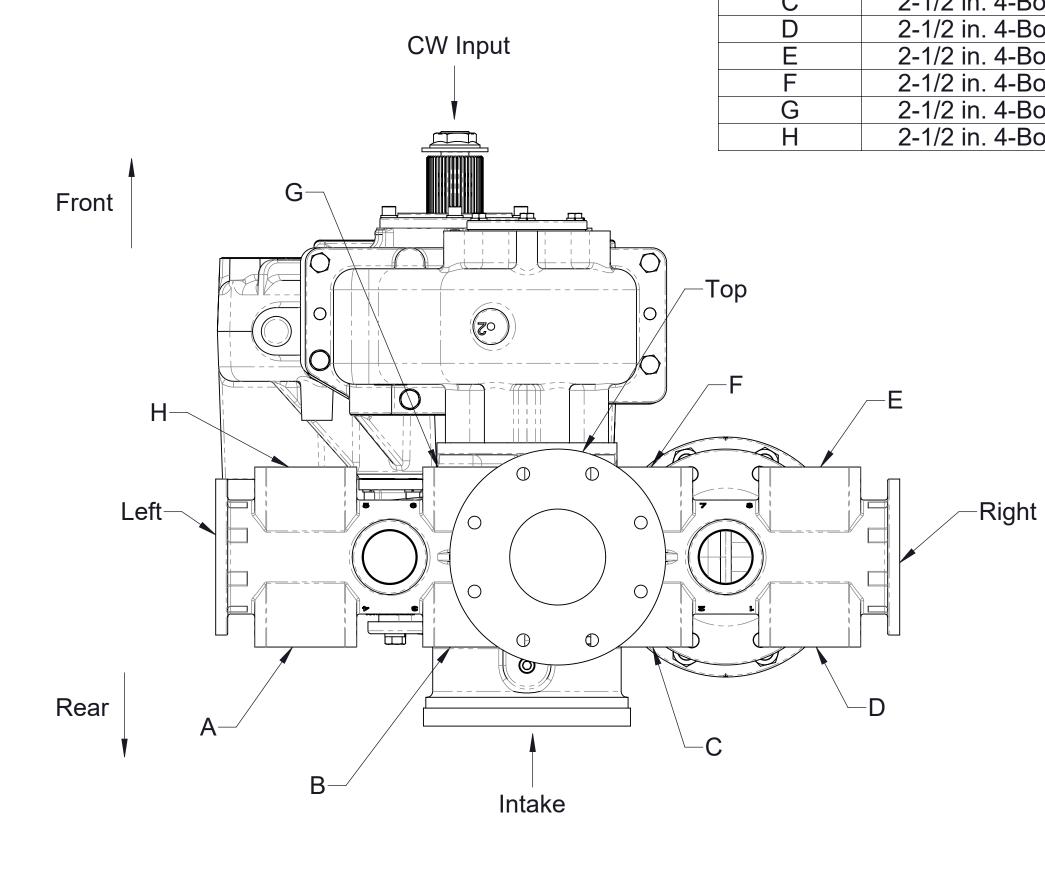




### Angle Compensated





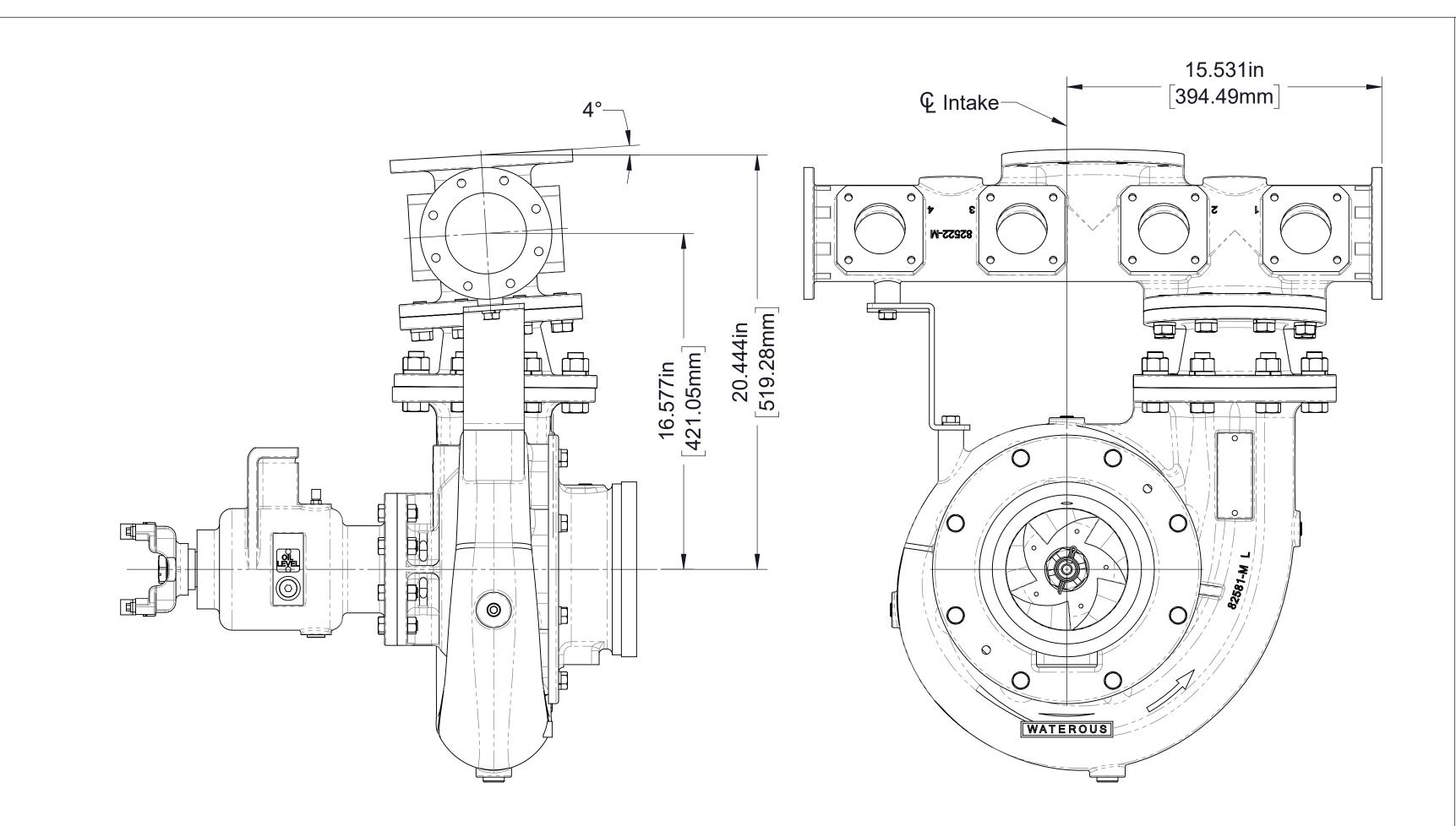


Manifold Mounted Perpendicular to Intake Model S100C22 Pump mounted on rear (ouput shaft side) of transmission Note: see page 6 for manifold dimensions not shown

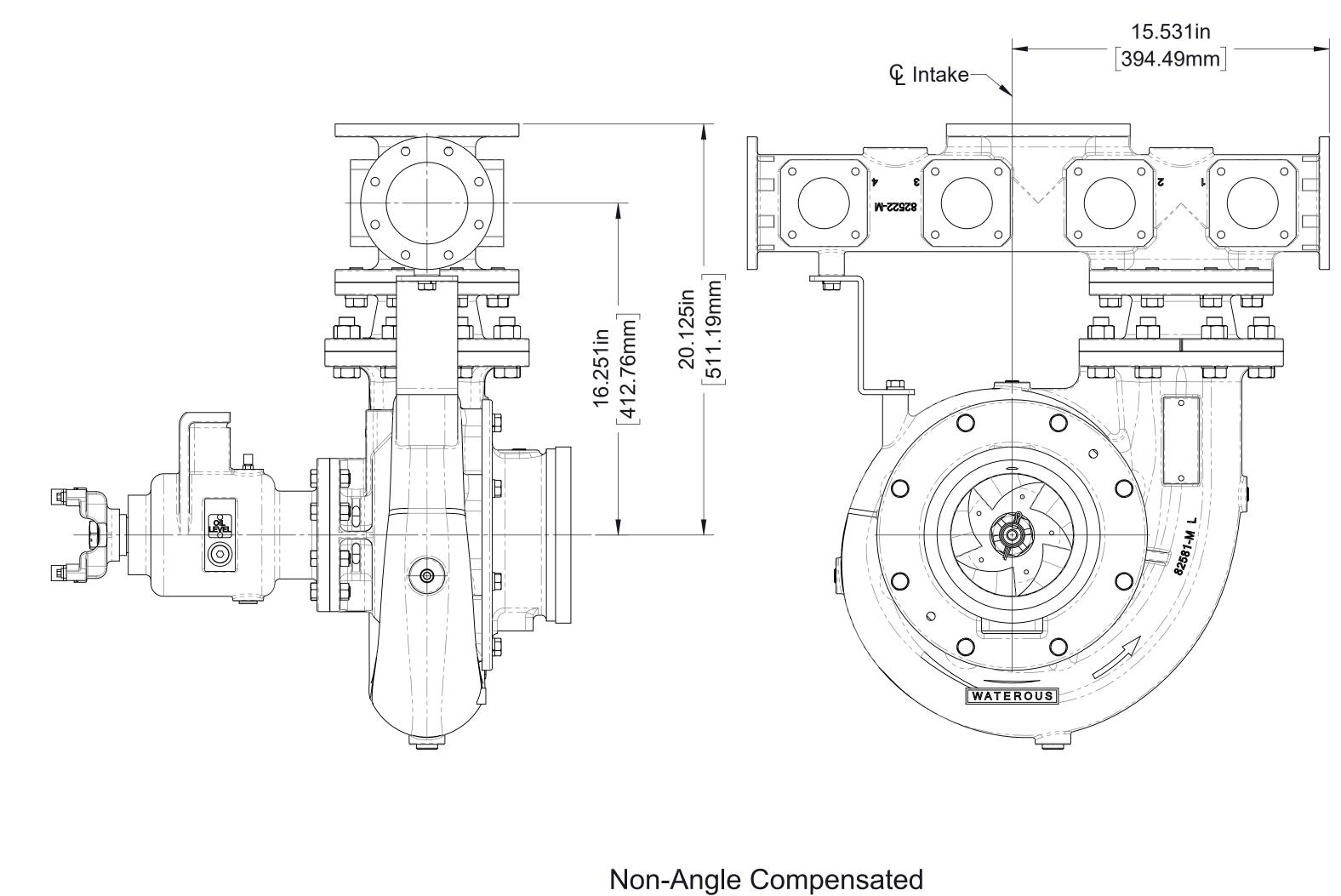
| Pad   | Size             | See detail on page 6 |
|-------|------------------|----------------------|
| Left  | 4 in. 8-Bolt     | B                    |
| Right | 4 in. 8-Bolt     | B                    |
| Тор   | 4 in. ANSI       | A                    |
| A     | 2-1/2 in. 4-Bolt | С                    |
| В     | 2-1/2 in. 4-Bolt | C                    |
| С     | 2-1/2 in. 4-Bolt | С                    |
| D     | 2-1/2 in. 4-Bolt | С                    |
| E     | 2-1/2 in. 4-Bolt | С                    |
| F     | 2-1/2 in. 4-Bolt | С                    |
| G     | 2-1/2 in. 4-Bolt | С                    |
| Н     | 2-1/2 in. 4-Bolt | С                    |

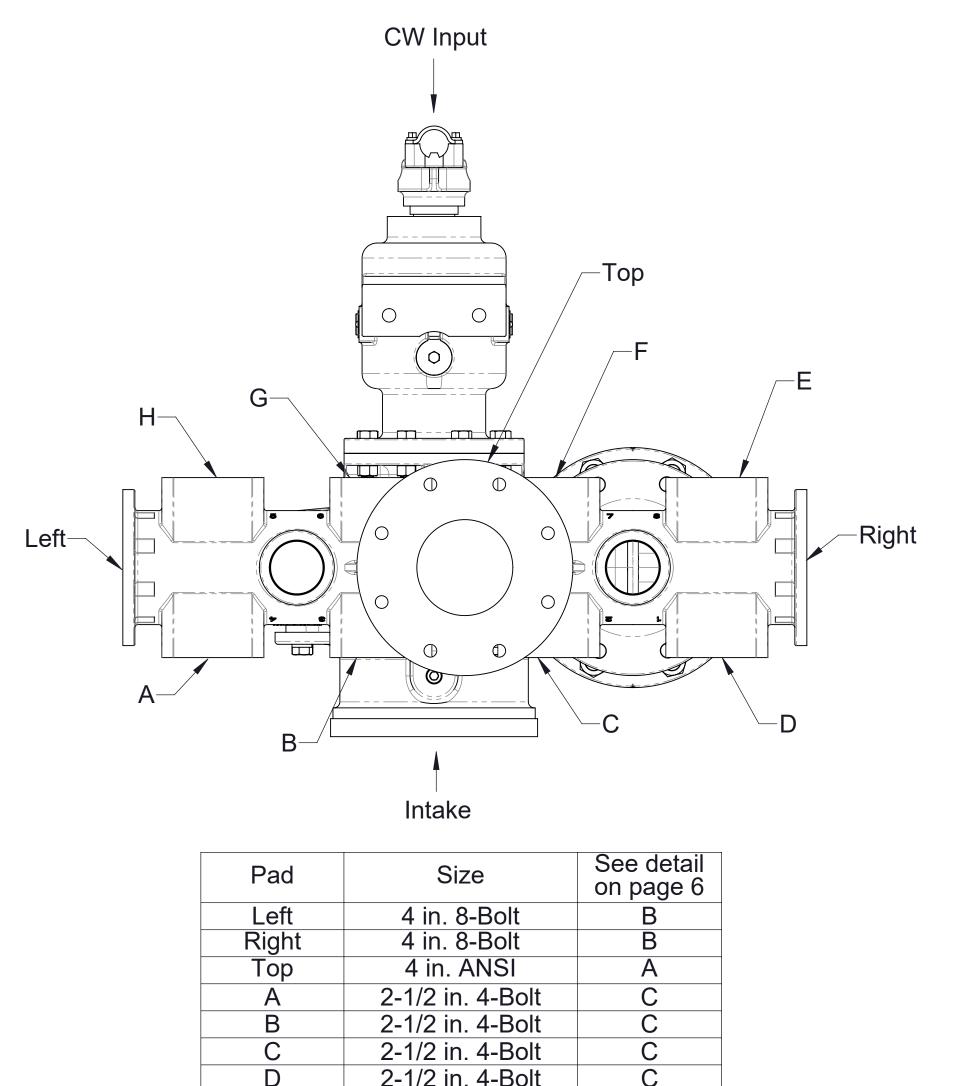


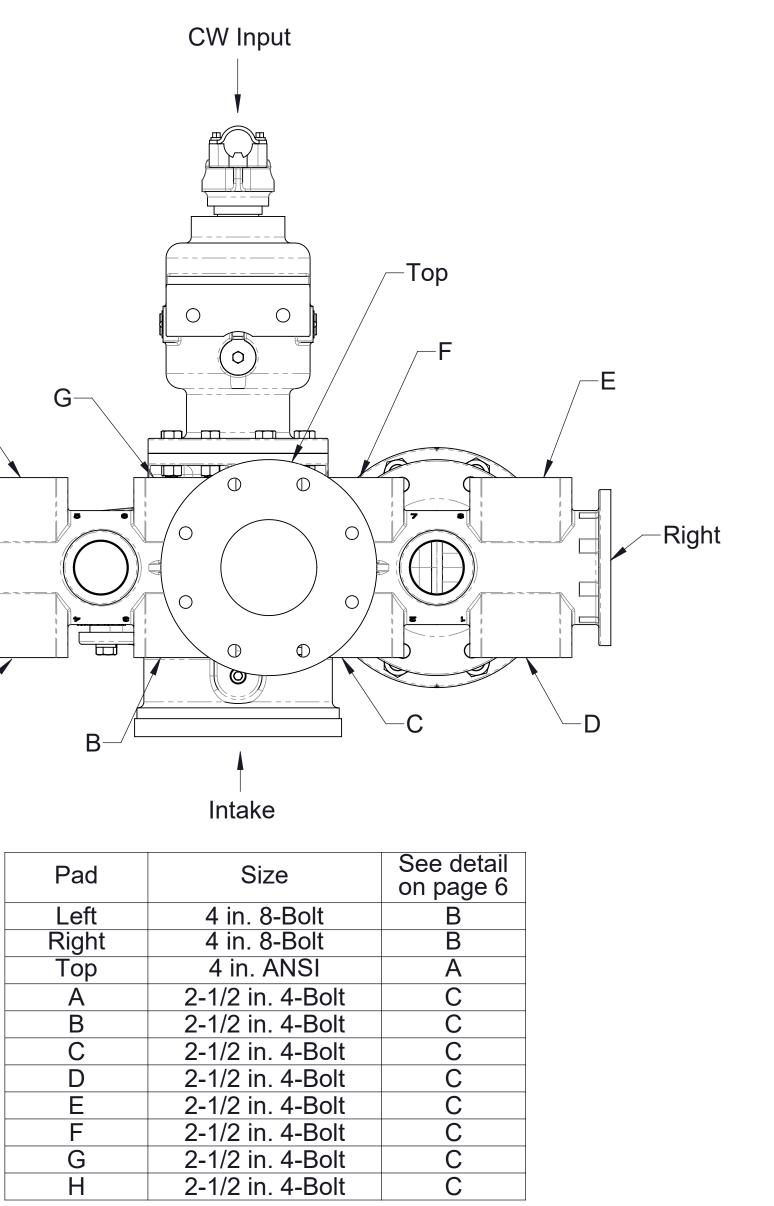
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Angle Compensated



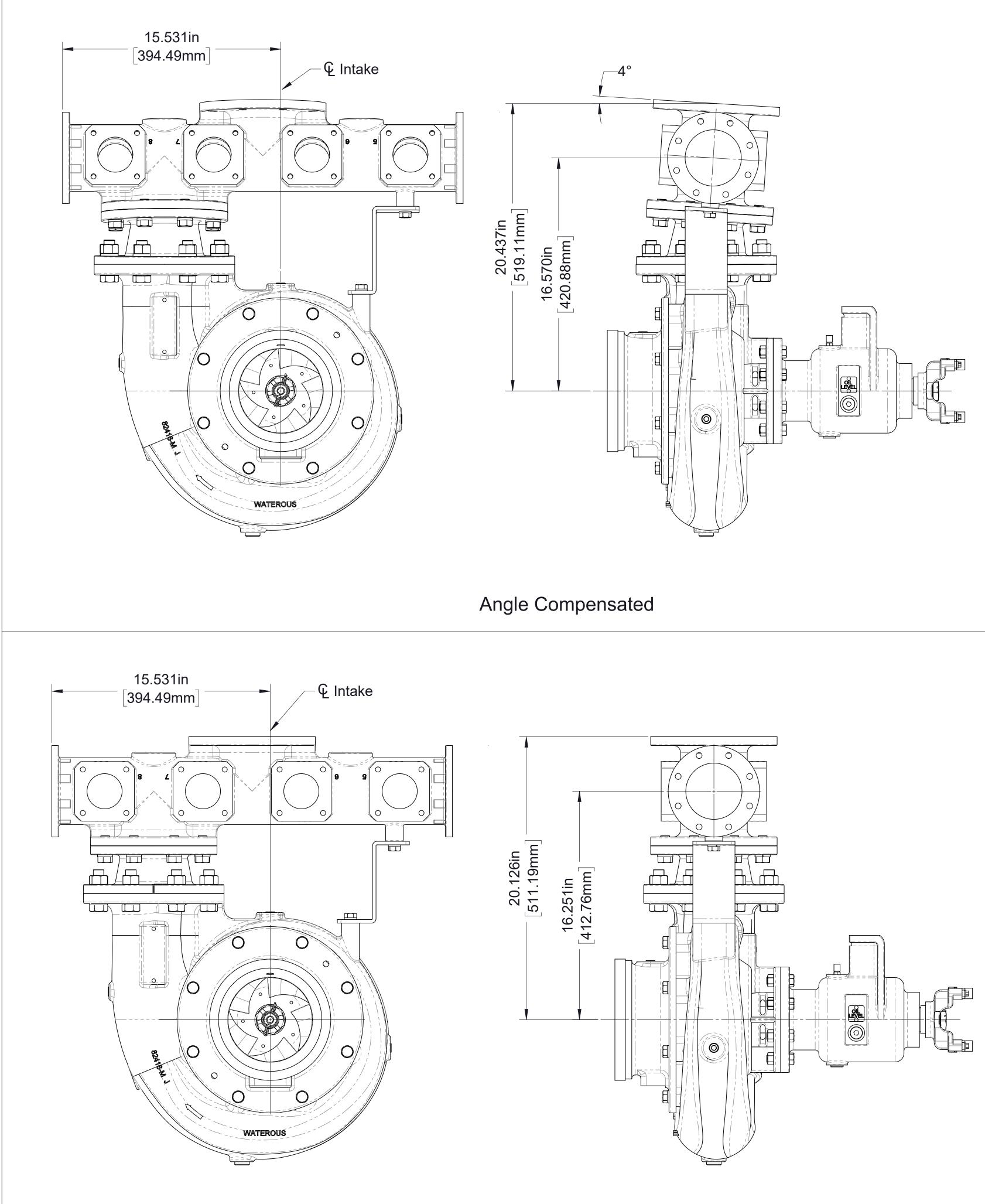




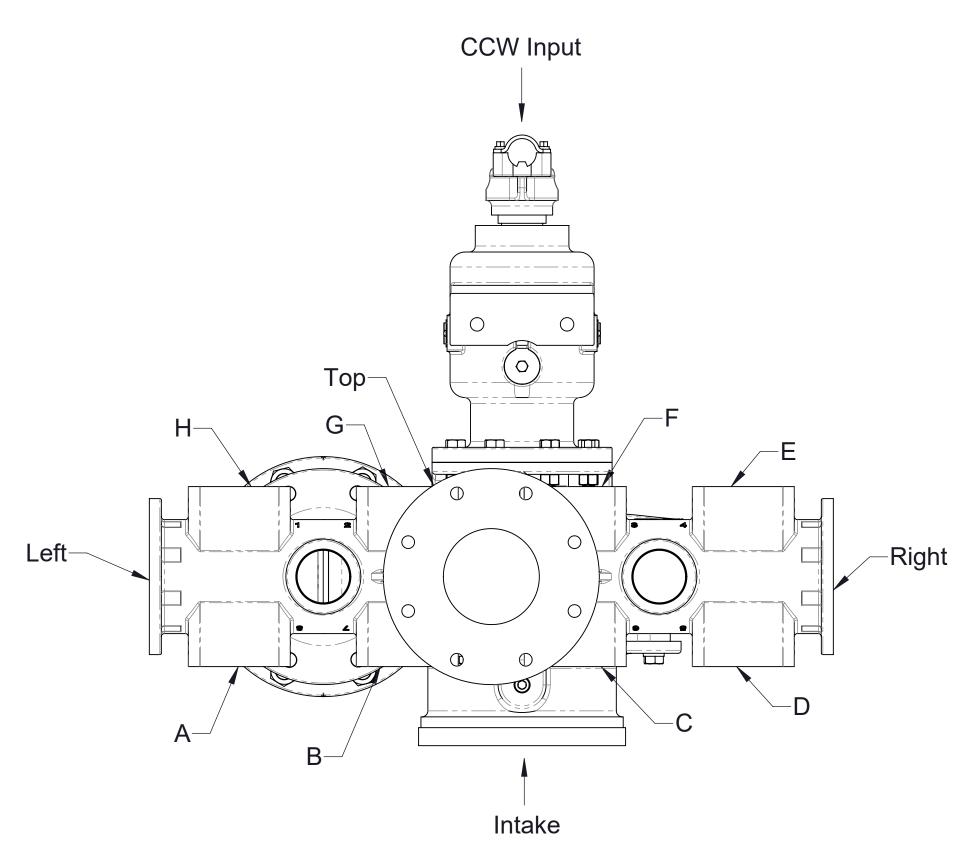
# Manifold Mounted Perpendicular to Intake Model S100C22 CW Input Note: See page 6 for manifold dimensions not shown

Manifold Pads

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Non-Angle Compensated

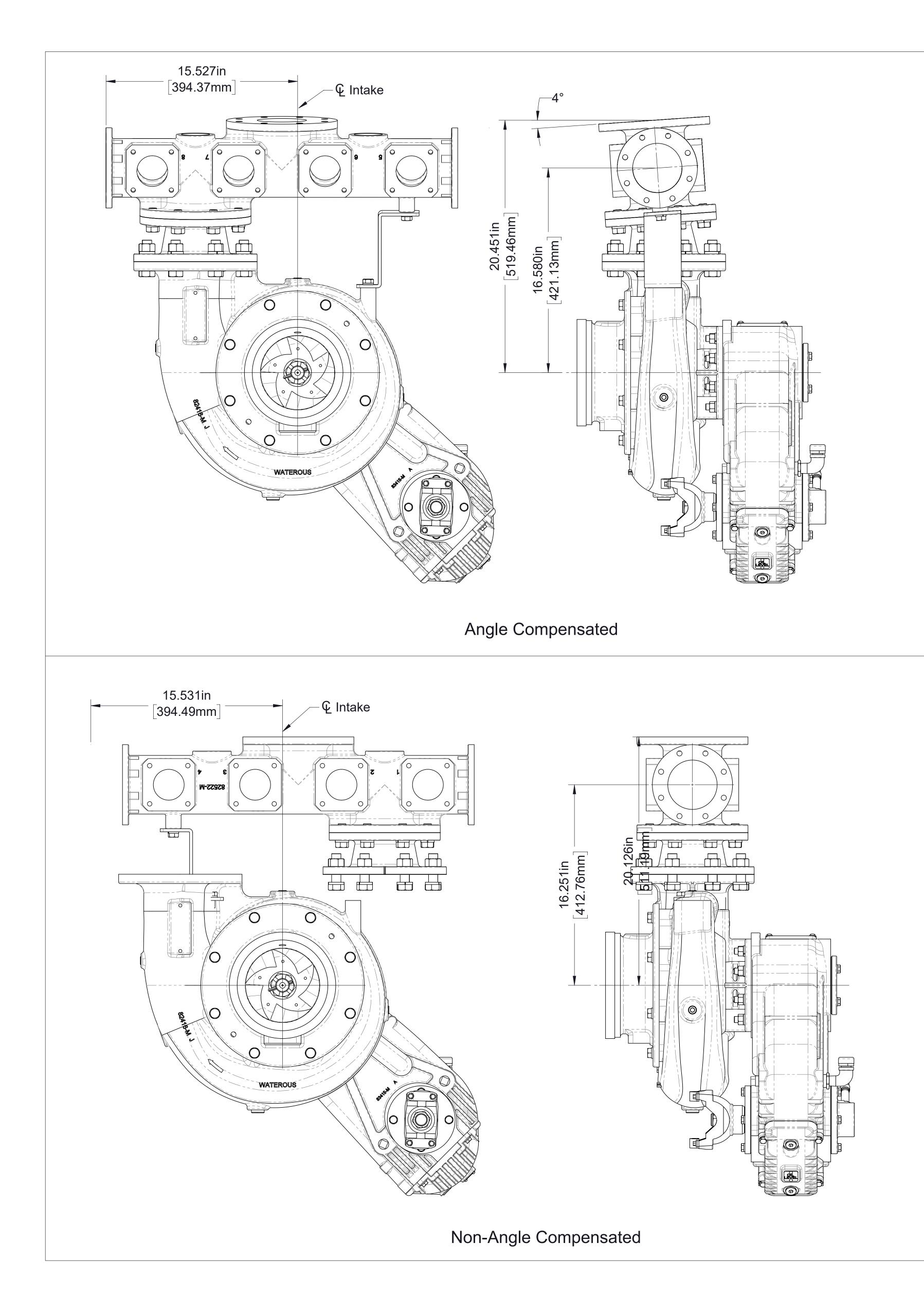


| Pad   | Size             | See detail on page 6 |
|-------|------------------|----------------------|
| Left  | 4 in. 8-Bolt     | В                    |
| Right | 4 in. 8-Bolt     | В                    |
| Тор   | 4 in. ANSI       | A                    |
| A     | 2-1/2 in. 4-Bolt | С                    |
| В     | 2-1/2 in. 4-Bolt | С                    |
| С     | 2-1/2 in. 4-Bolt | С                    |
| D     | 2-1/2 in. 4-Bolt | С                    |
| E     | 2-1/2 in. 4-Bolt | С                    |
| F     | 2-1/2 in. 4-Bolt | С                    |
| G     | 2-1/2 in. 4-Bolt | С                    |
| Н     | 2-1/2 in. 4-Bolt | С                    |

# Manifold Mounted Perpendicular to Intake Model S100D CCW Input Note: See page 6 for manifold dimensions not shown

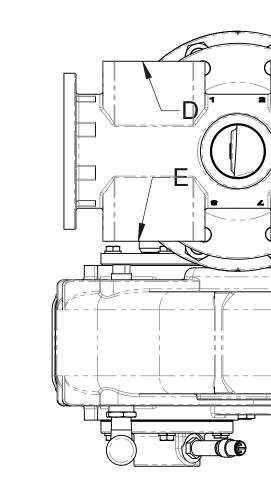
Manifold Pads

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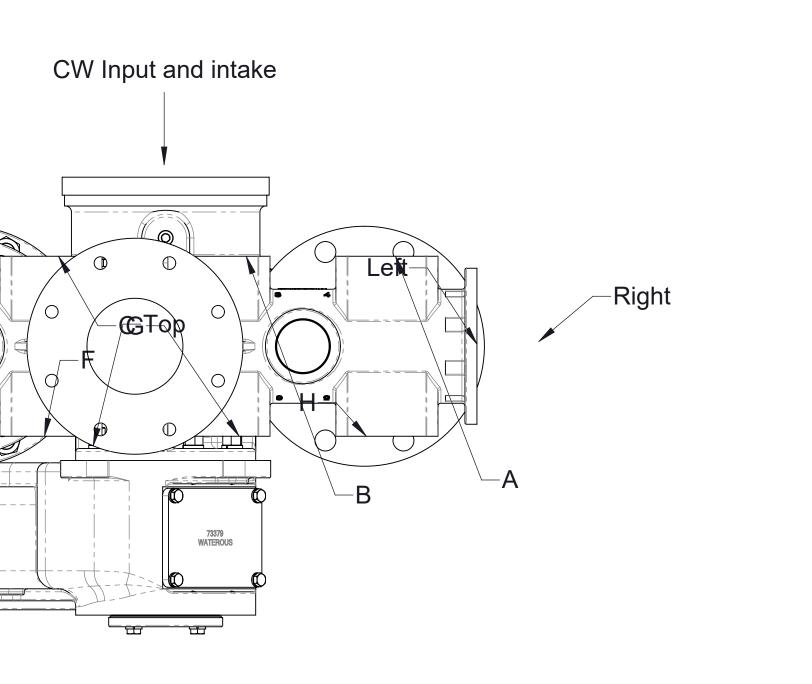
Front

Rear



Pad Left Right Тор Α В С D Ε F G H

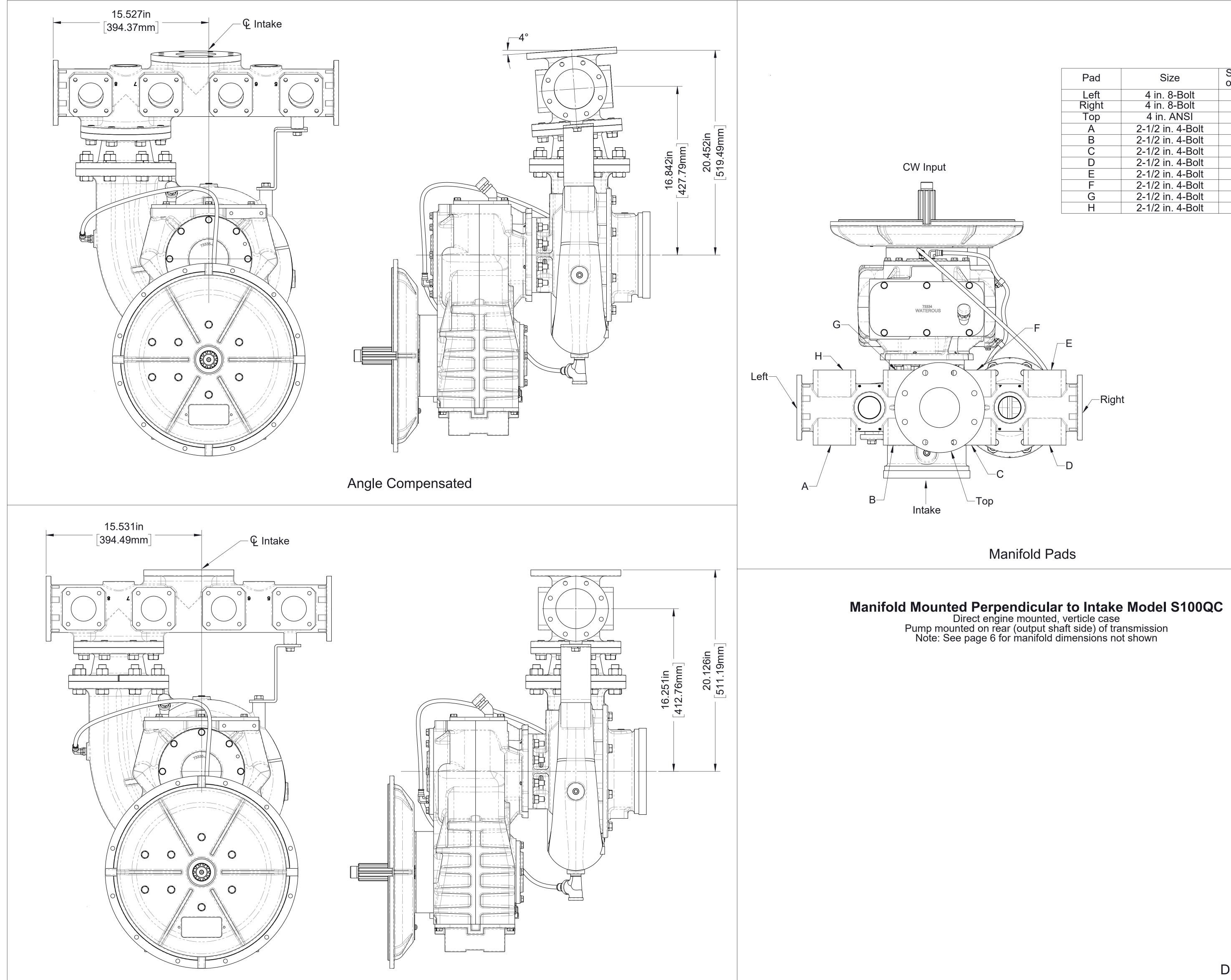
Manifold Mounted Perpendicular to Intake Model S100PA Pump mounted on front (input shaft side) of transmission Note: See page 6 for manifold dimensions not shown



|                  | See detail |
|------------------|------------|
| Size             | on page 6  |
|                  |            |
| 4 in. 8-Bolt     | В          |
| 4 in. 8-Bolt     | B          |
| 4 in. ANSI       | A          |
| 2-1/2 in. 4-Bolt | С          |

### Manifold Pads

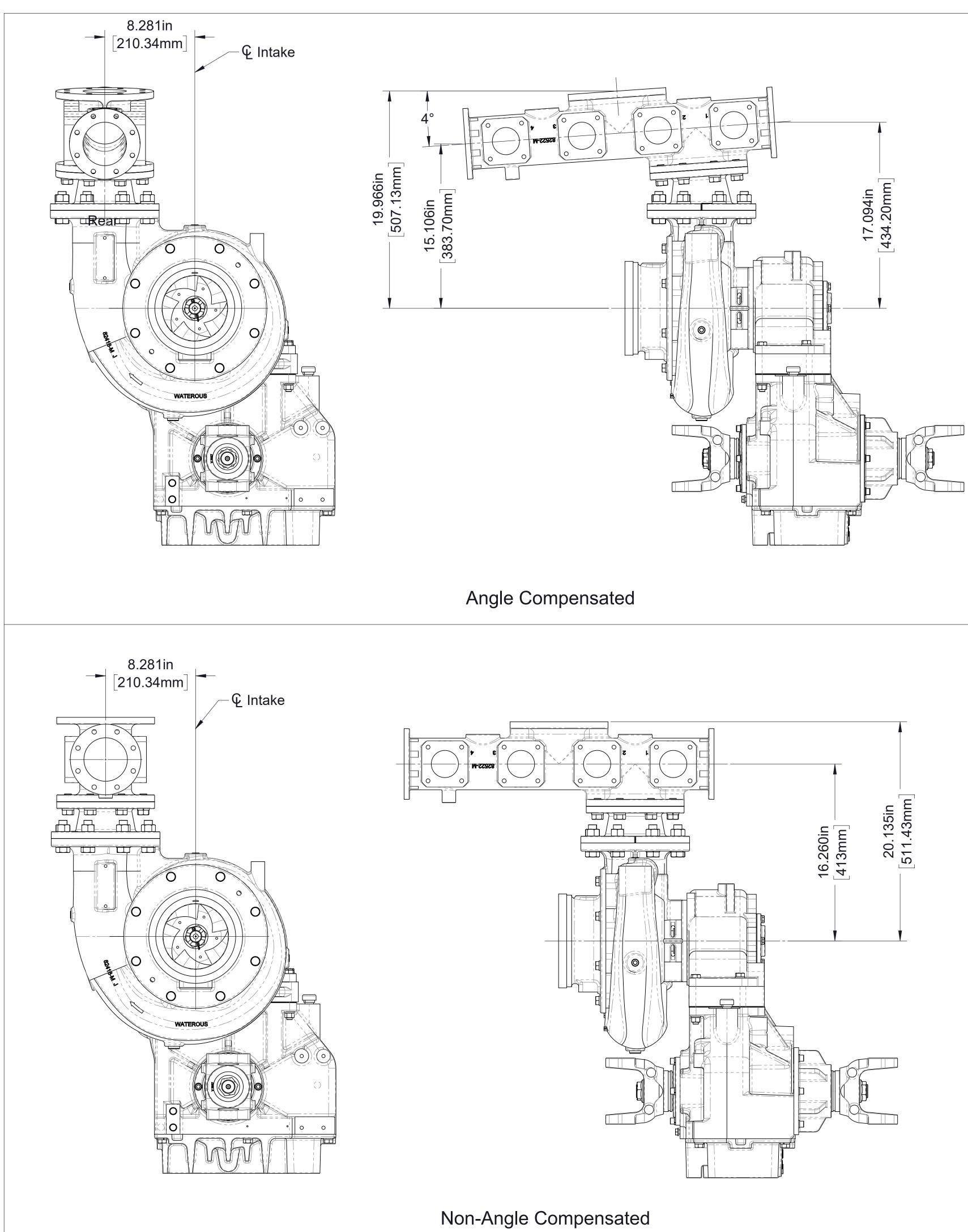
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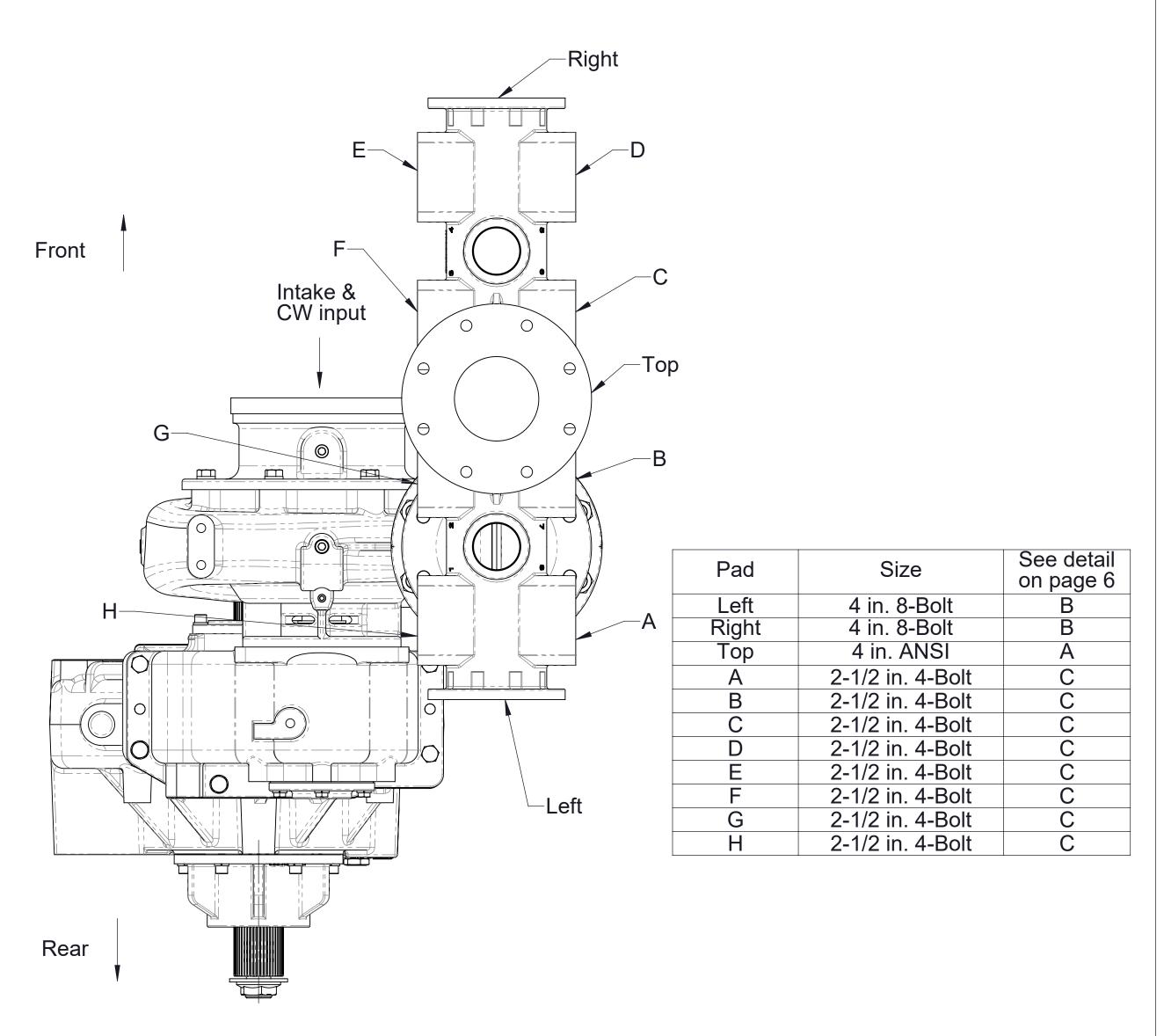


### Non-Angle Compensated

| Pad   | Size             | See detail<br>on page 6 |
|-------|------------------|-------------------------|
| Left  | 4 in. 8-Bolt     | В                       |
| Right | 4 in. 8-Bolt     | В                       |
| Тор   | 4 in. ANSI       | A                       |
| A     | 2-1/2 in. 4-Bolt | С                       |
| В     | 2-1/2 in. 4-Bolt | С                       |
| С     | 2-1/2 in. 4-Bolt | С                       |
| D     | 2-1/2 in. 4-Bolt | С                       |
| E     | 2-1/2 in. 4-Bolt | С                       |
| F     | 2-1/2 in. 4-Bolt | С                       |
| G     | 2-1/2 in. 4-Bolt | С                       |
| Н     | 2-1/2 in. 4-Bolt | С                       |

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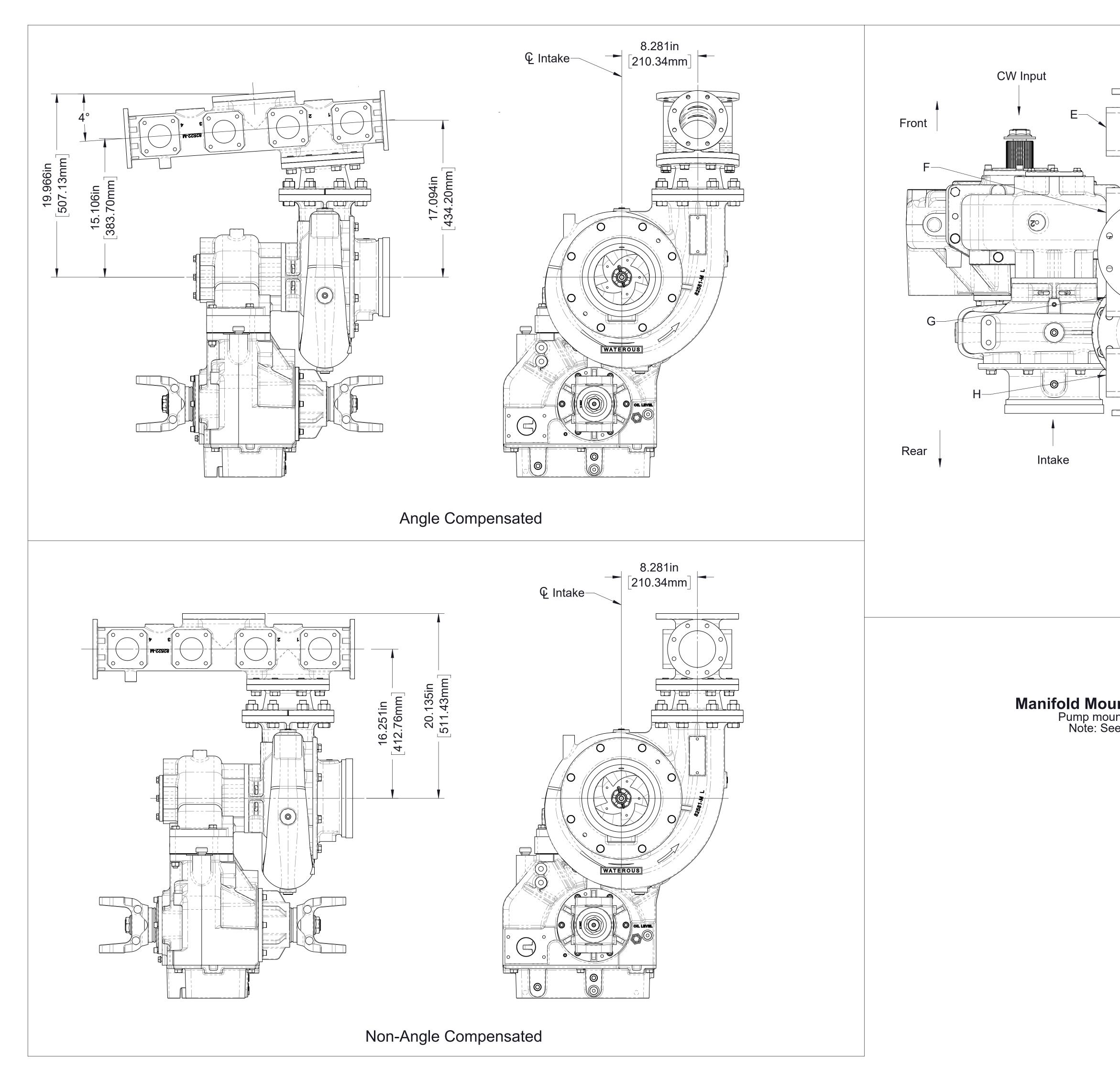


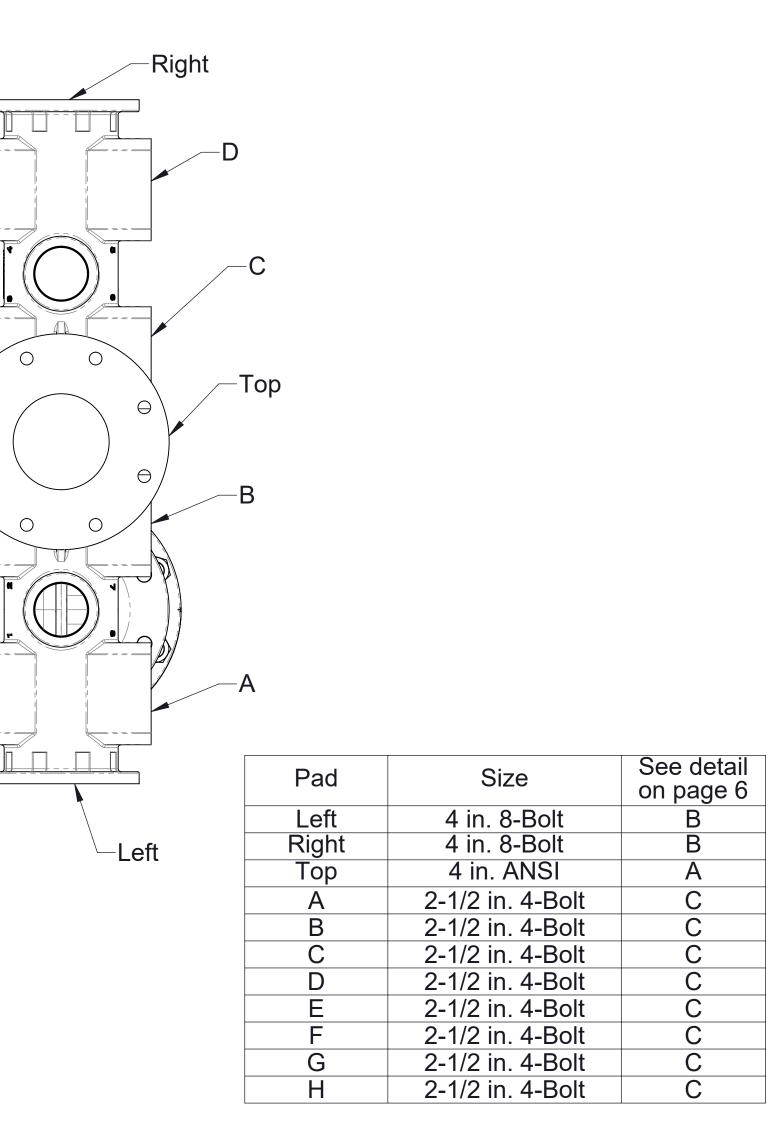


Manifold Mounted Parallel to Intake Model S100C22 Pump mounted on front (input shaft side) of transmission Note: see page 6 for manifold dimensions not shown

Manifold Pads

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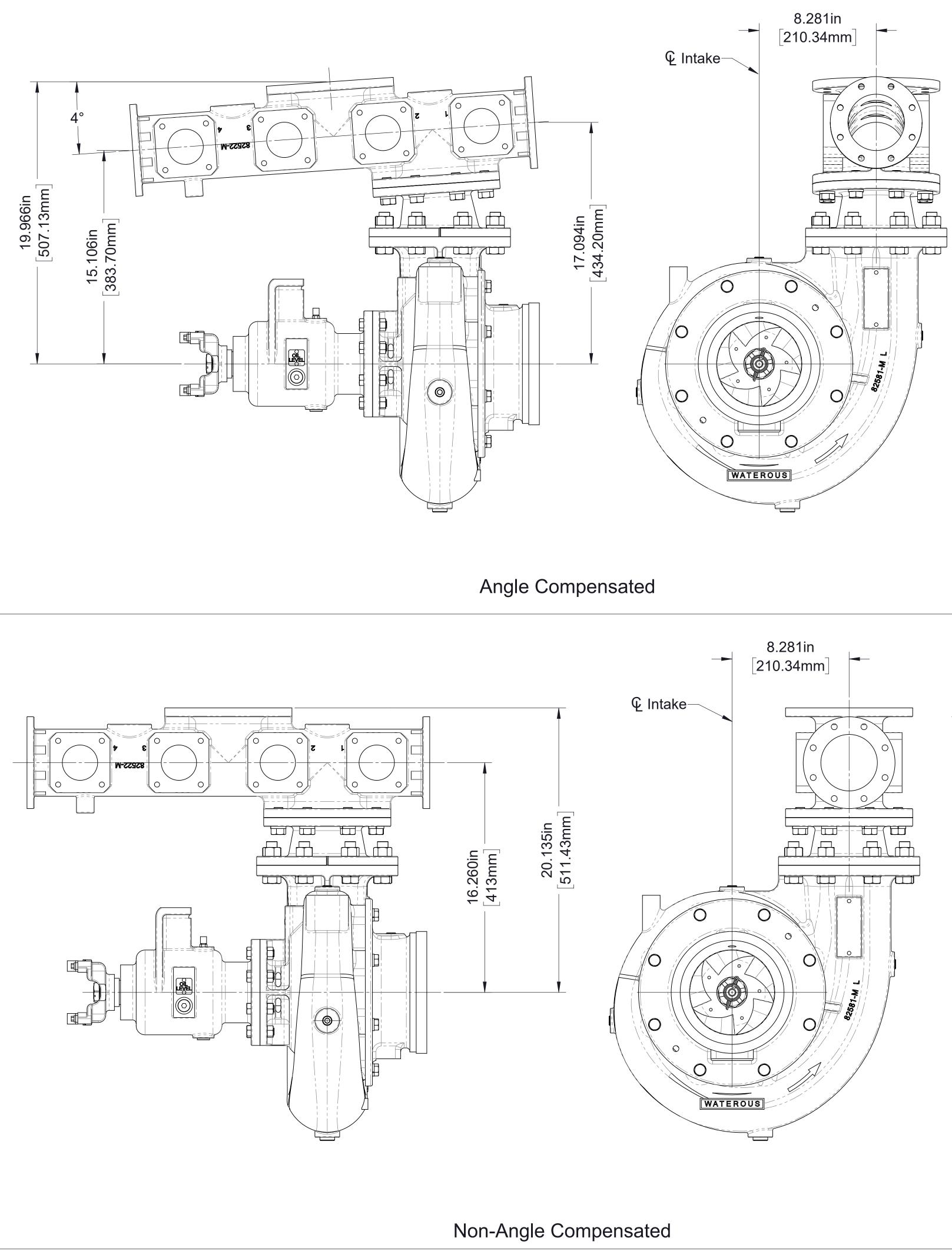


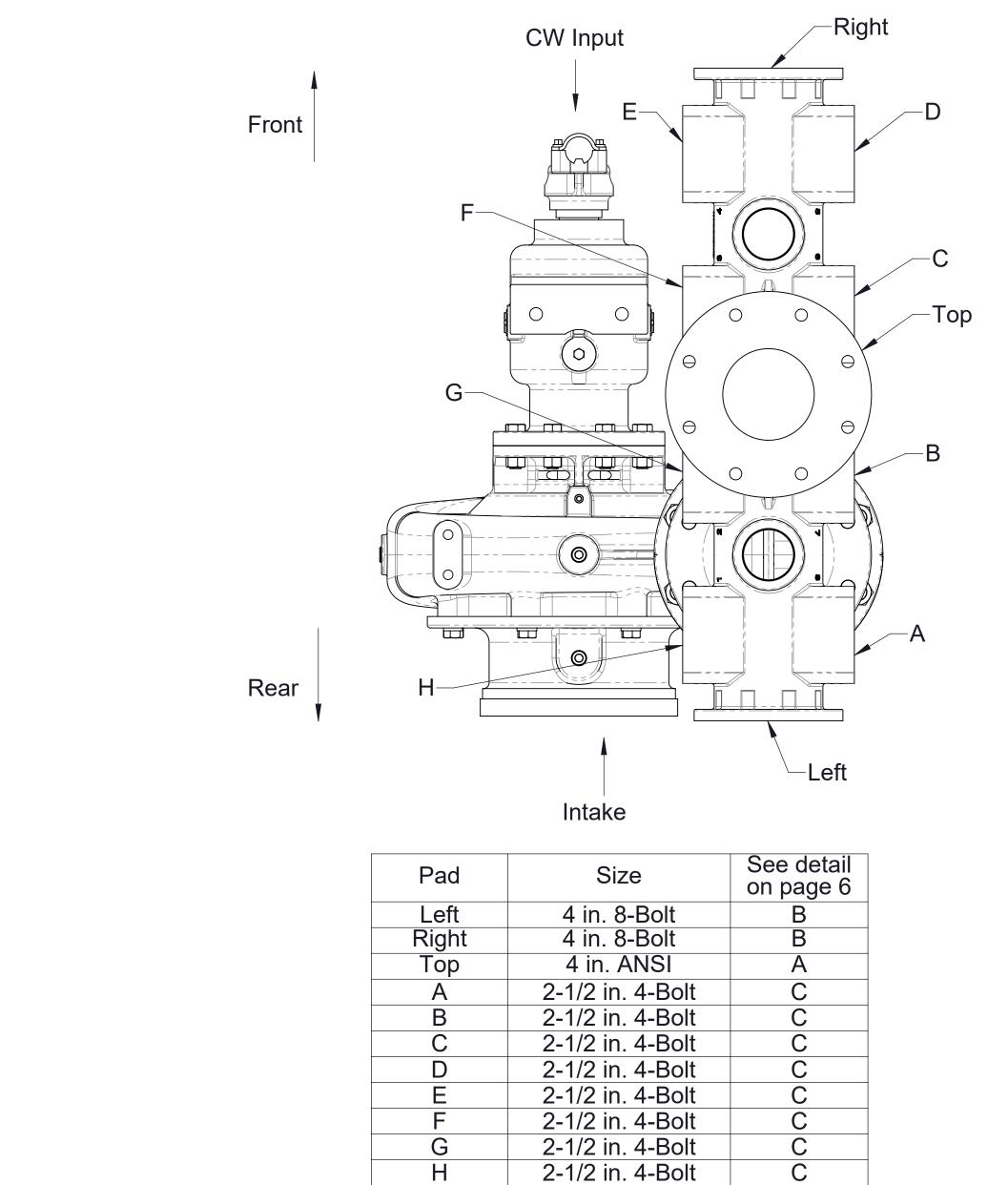


Manifold Pads

## Manifold Mounted Parallel to Intake Model S100C22 Pump mounted on rear (ouput shaft side) of transmission Note: See page 6 for manifold dimensions not shown

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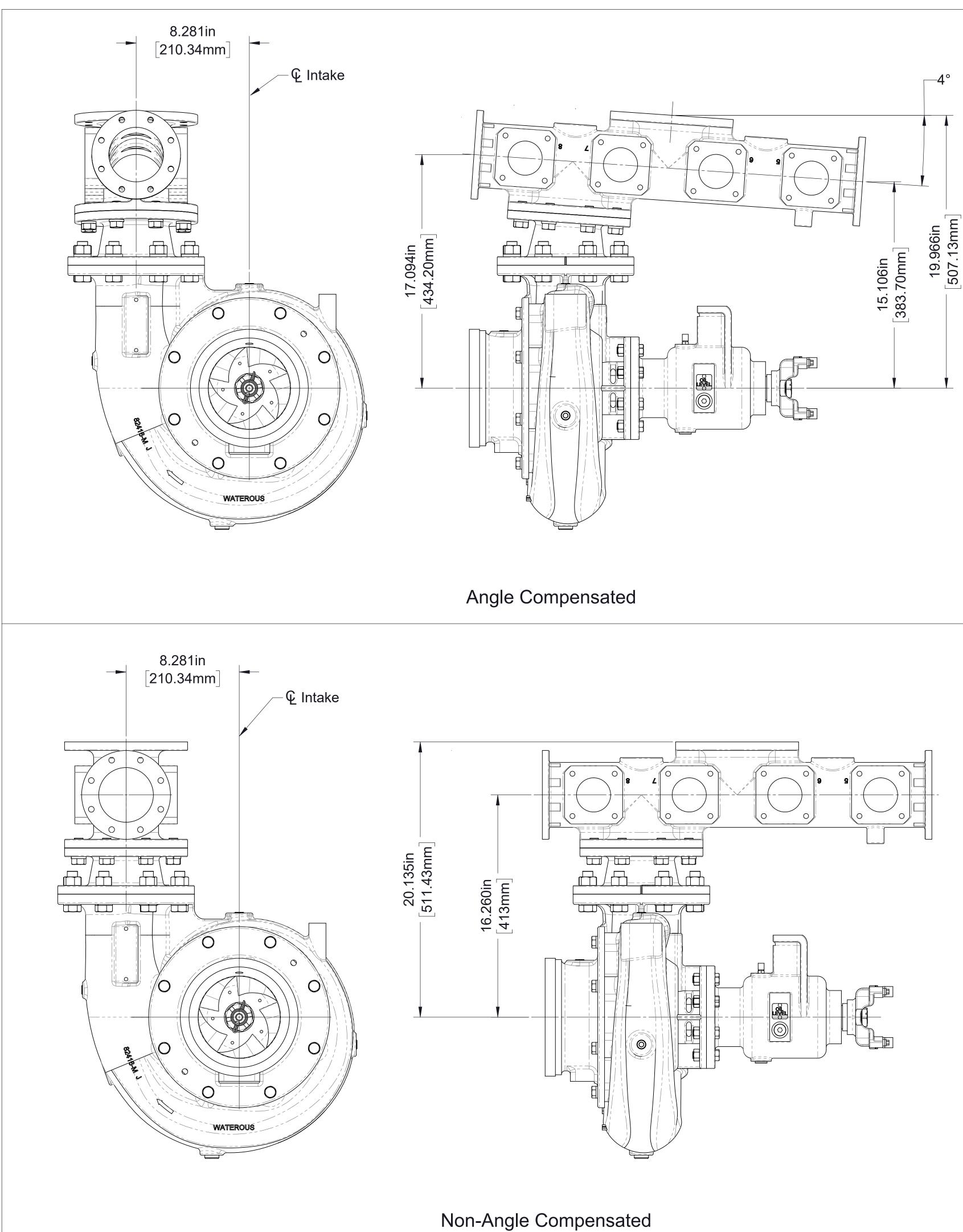


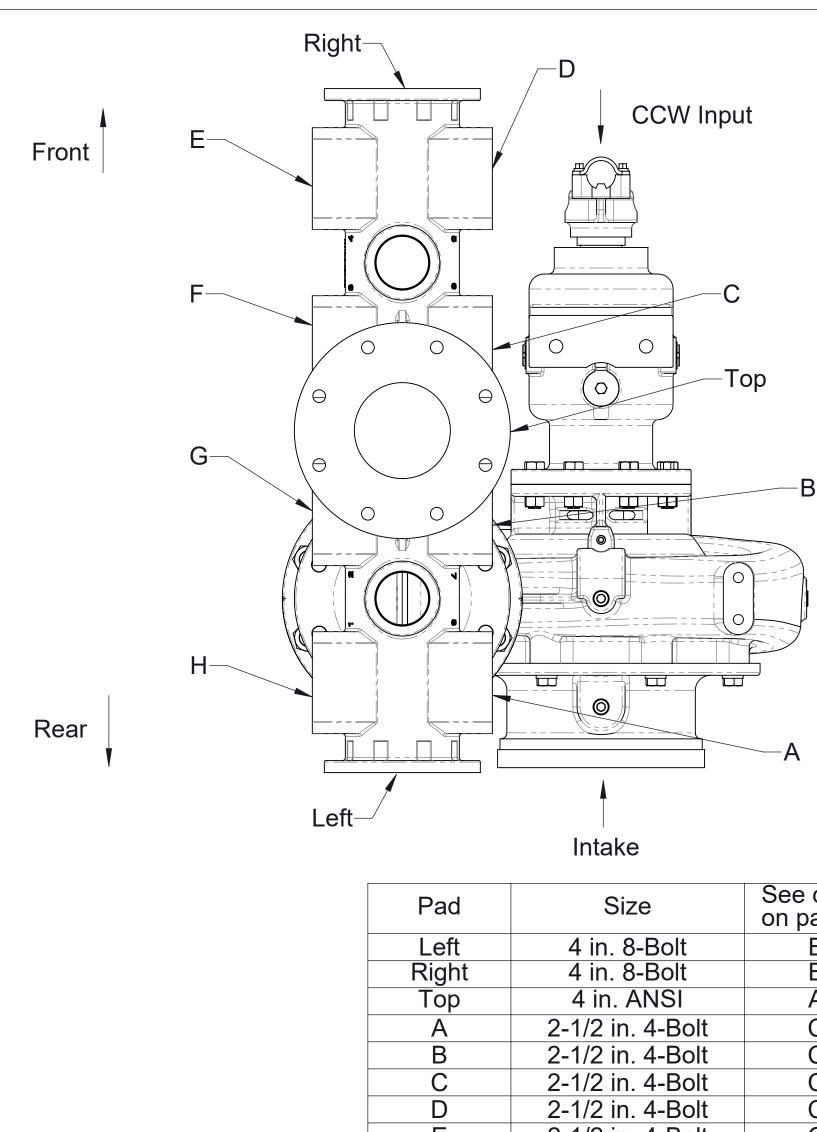


## Manifold Mounted Parallel to Intake Model S100D CW Input Note: See page 6 for manifold dimensions not shown

| SIZE             | on page 6  |
|------------------|--|
| 4 in. 8-Bolt     | В  |
| 4 in. 8-Bolt     | В  |
| 4 in. ANSI       | A  |
| 2-1/2 in. 4-Bolt | С  |
|                  | 4 in. 8-Bolt<br>4 in. ANSI<br>2-1/2 in. 4-Bolt<br>2-1/2 in. 4-Bolt |

Manifold Pads





Ε

F

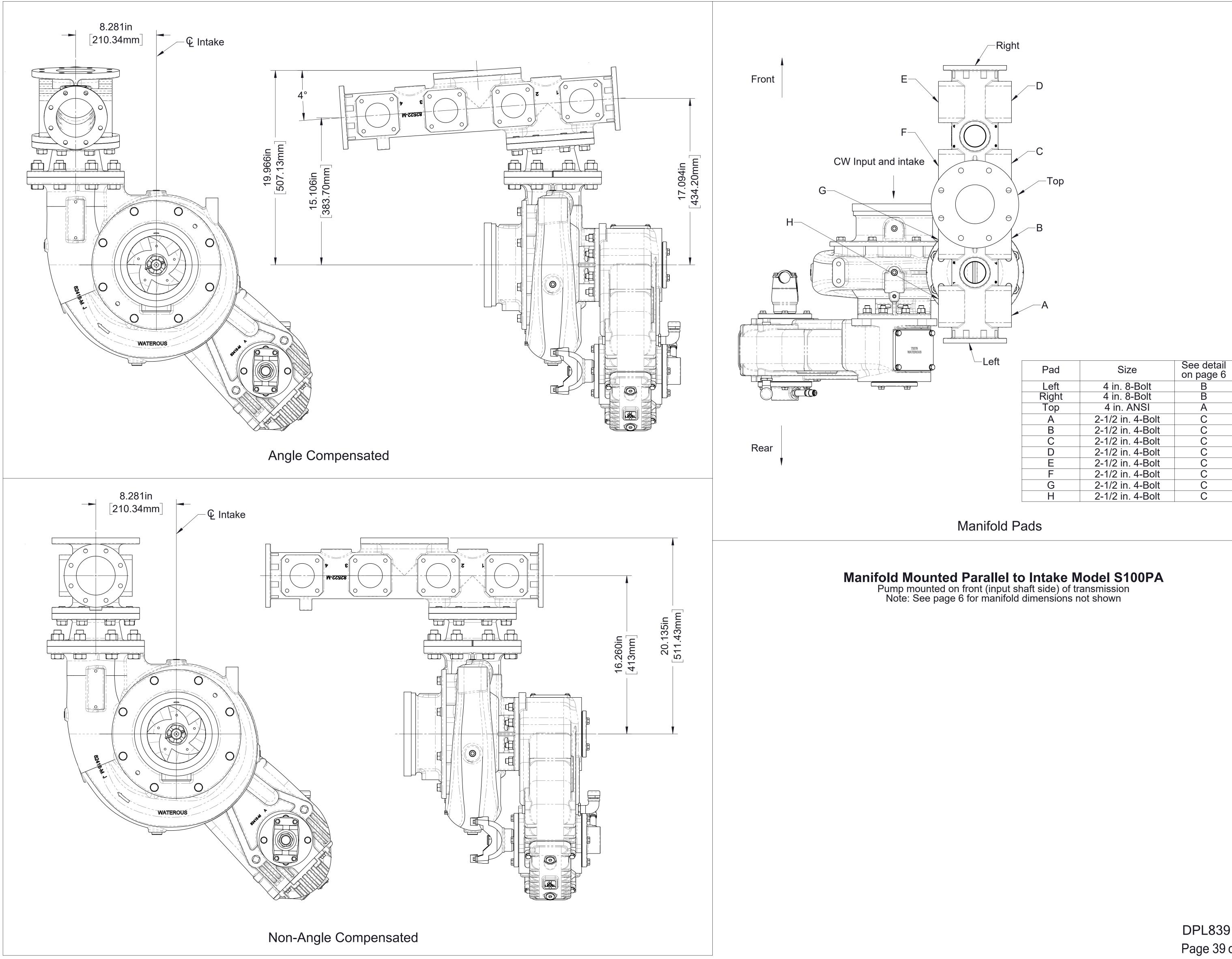
G H

# Manifold Mounted Parallel to Intake Model S100D CCW Input Note: see page 6 for manifold dimensions not shown

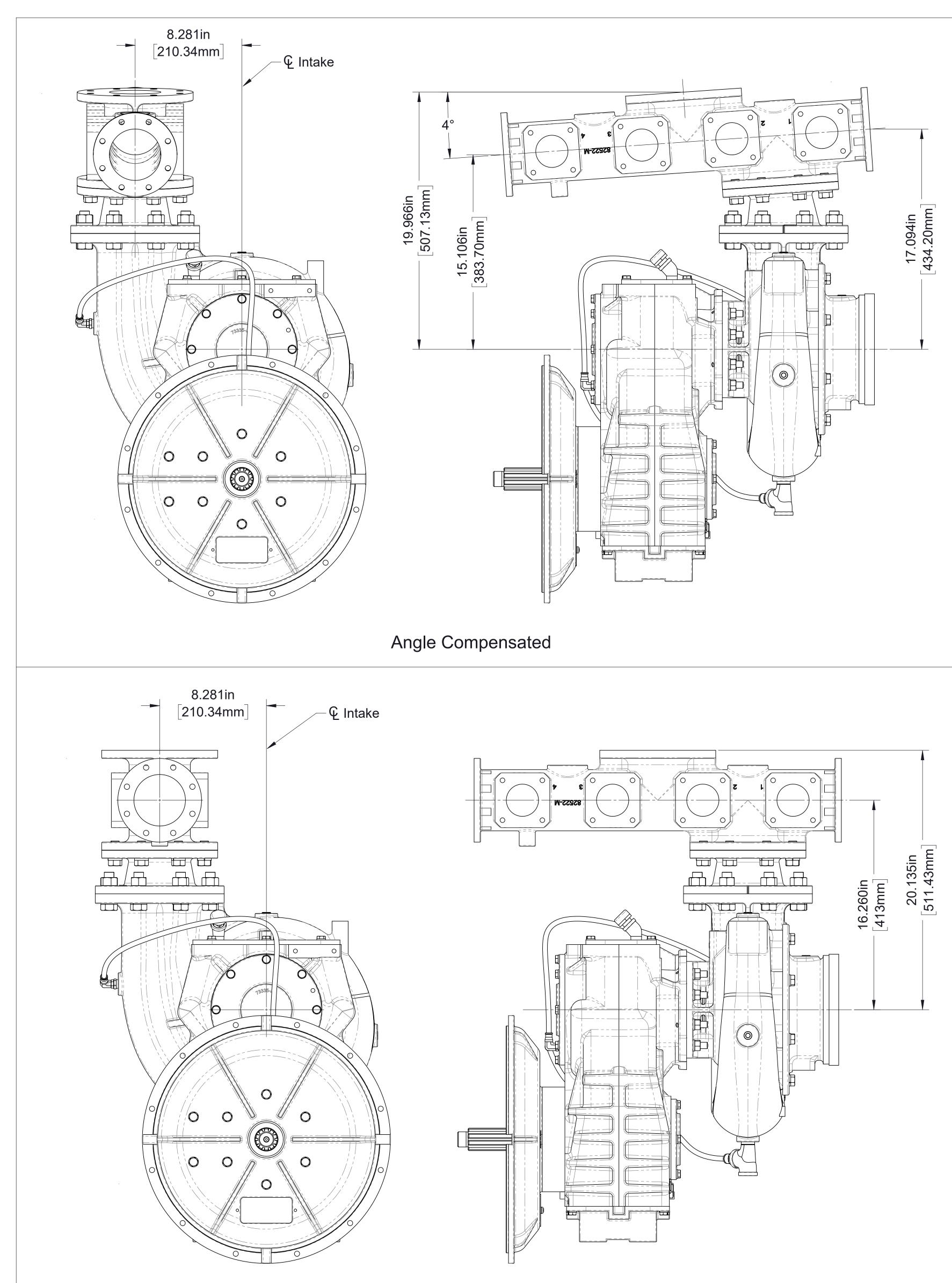
| Size             | See detail<br>on page 6 |
|------------------|-------------------------|
| 4 in. 8-Bolt     | B                       |
| 4 in. 8-Bolt     | В                       |
| 4 in. ANSI       | A                       |
| 2-1/2 in. 4-Bolt | С                       |

Manifold Pads

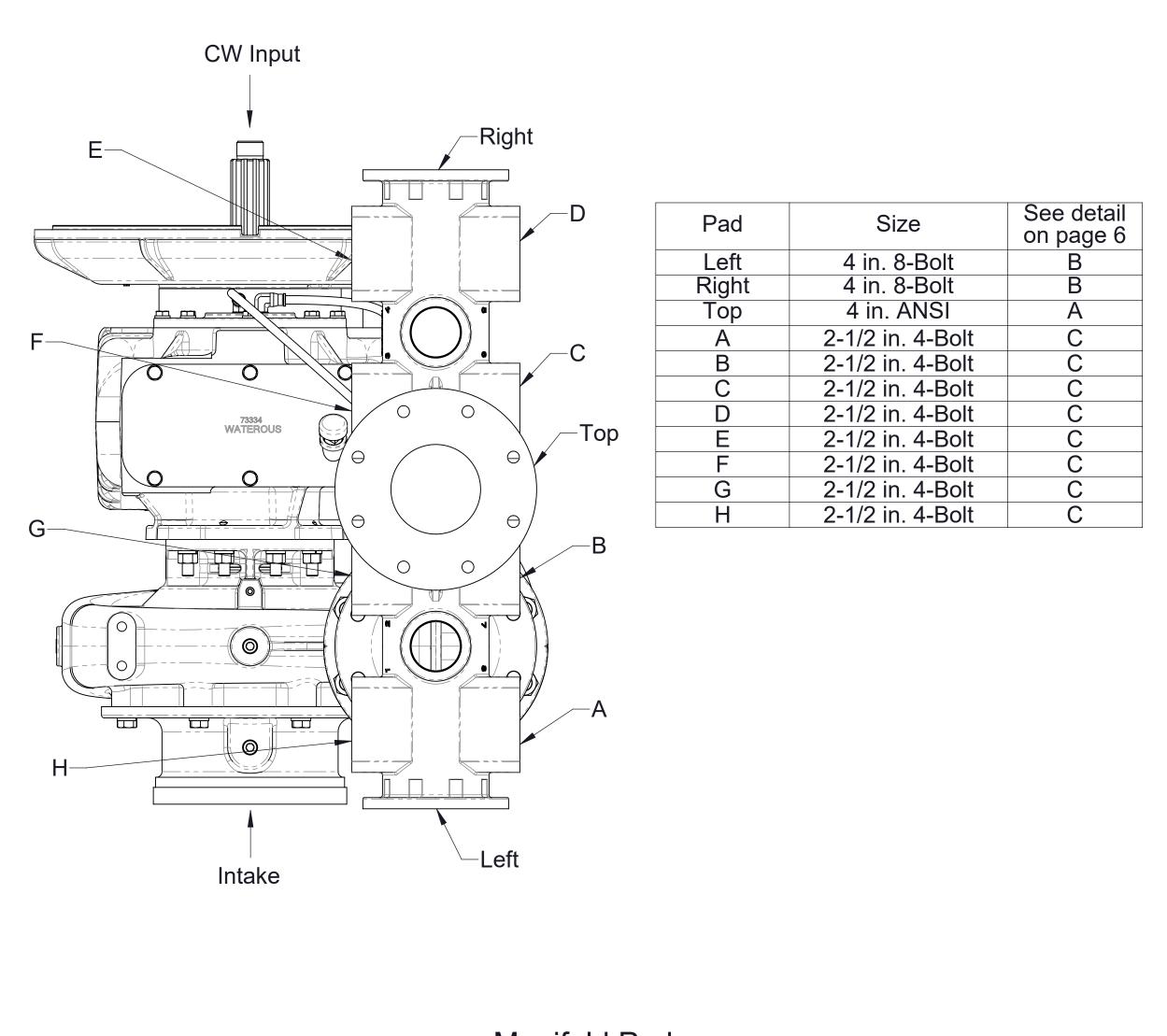
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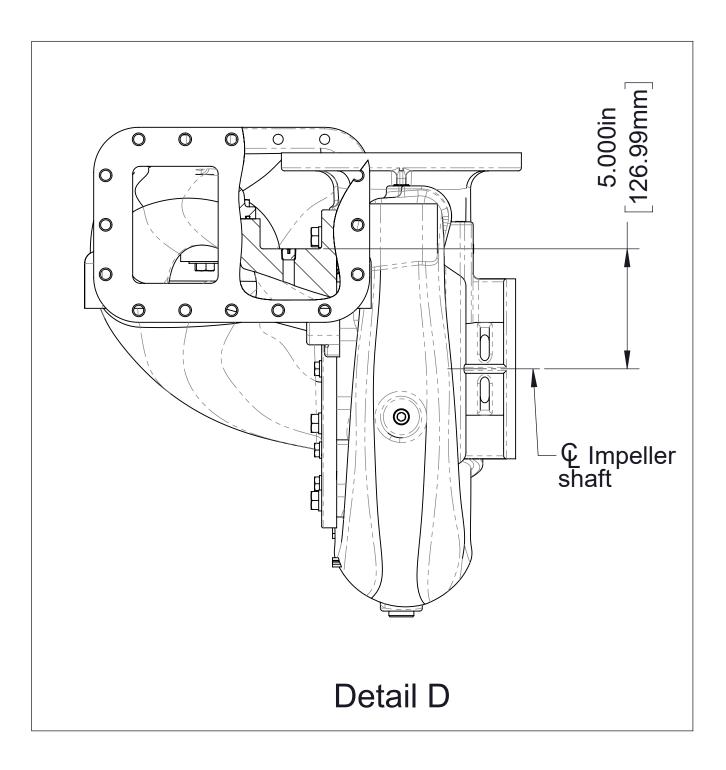
#### Non-Angle Compensated

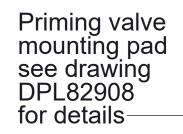


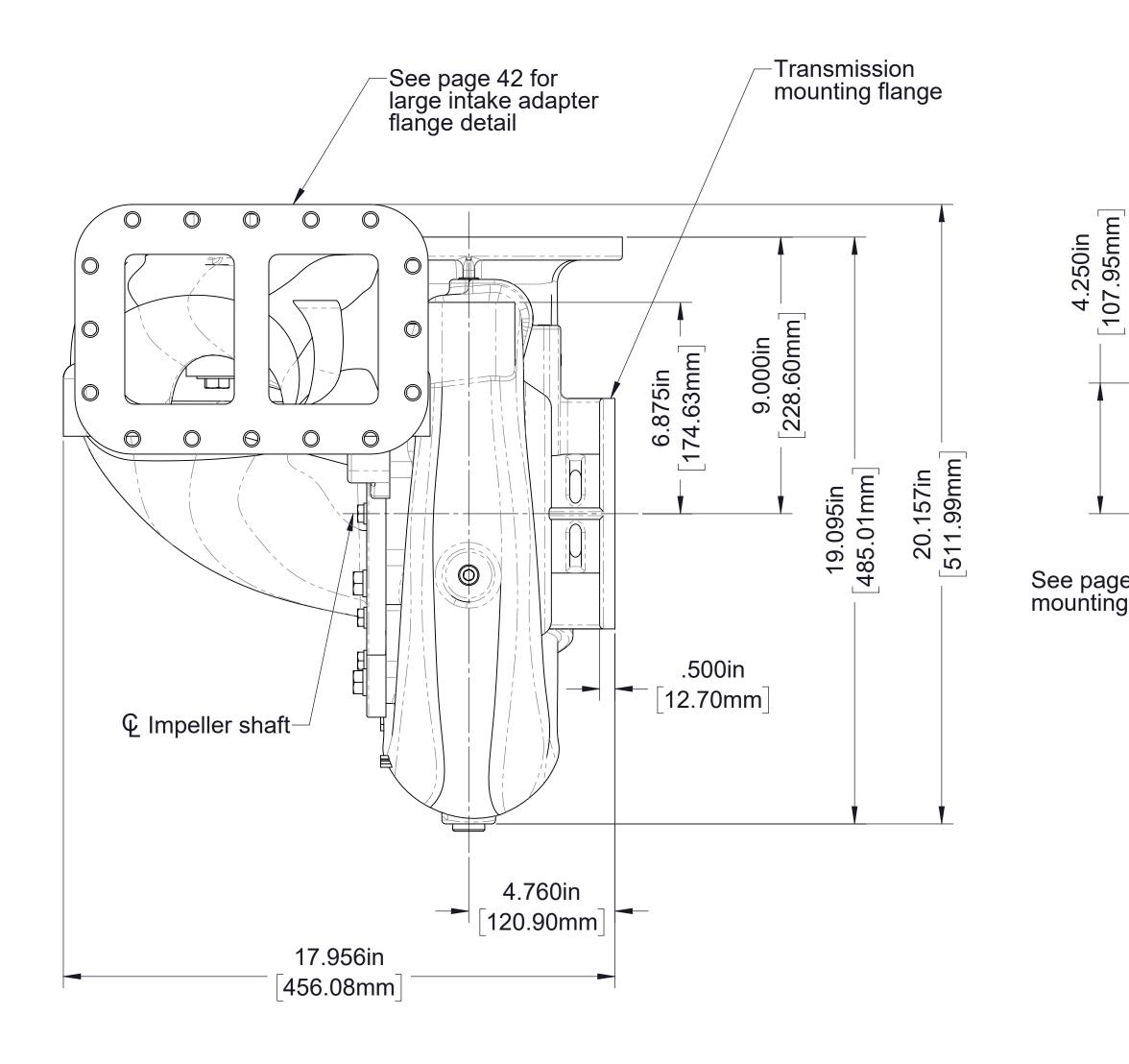
## Manifold Pads

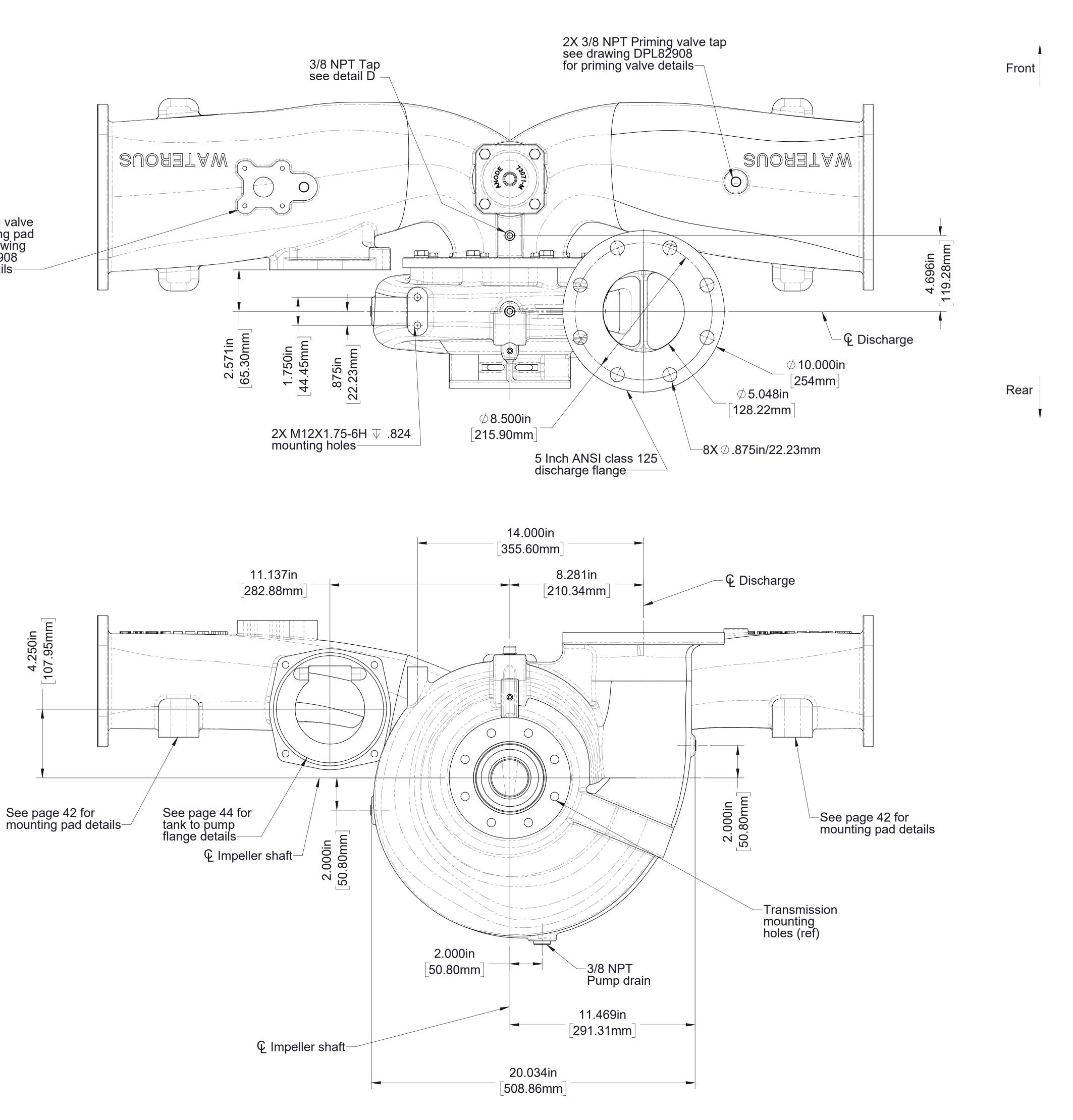
Manifold Mounted Parallel to Intake Model S100QC Direct engine mounted, verticle case Pump mounted on rear (output shaft side) of transmission Note: See page 6 for manifold dimensions not shown

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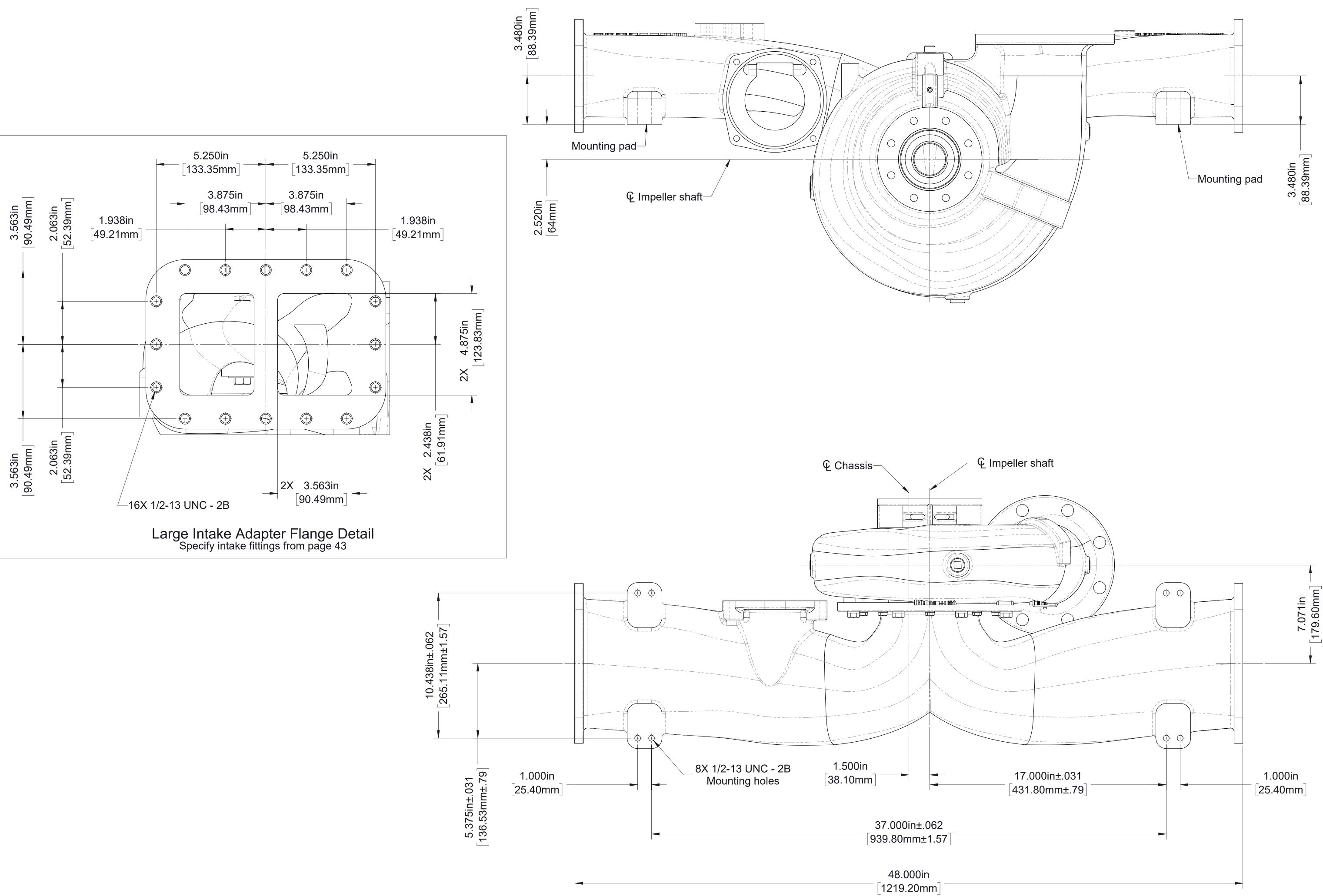


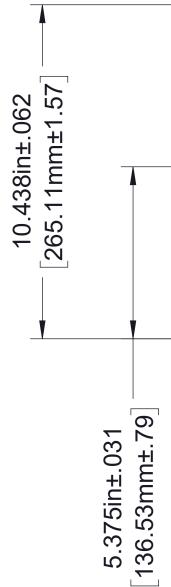


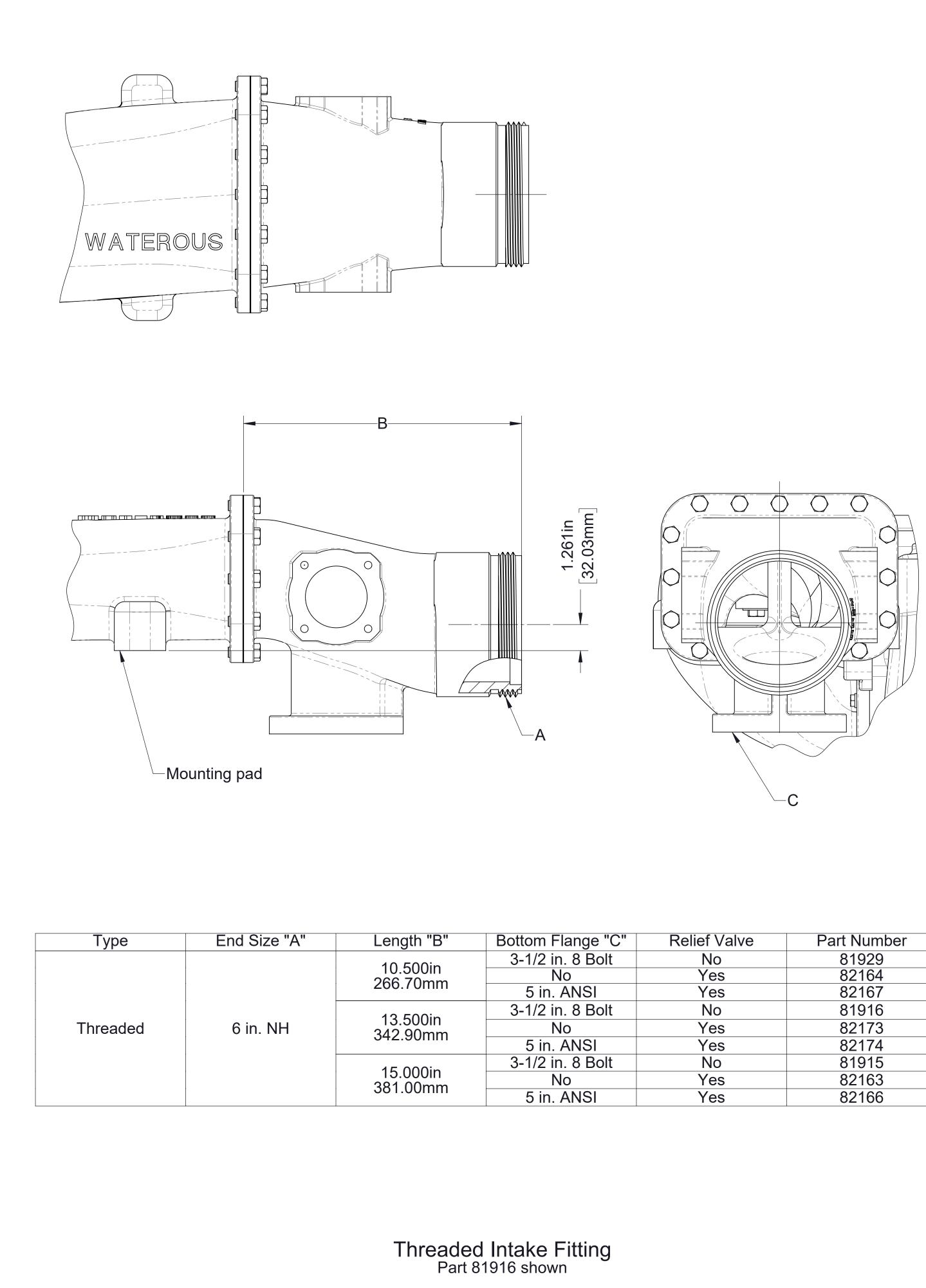


#### S101 Pump Body and Crosspipe Dimensions

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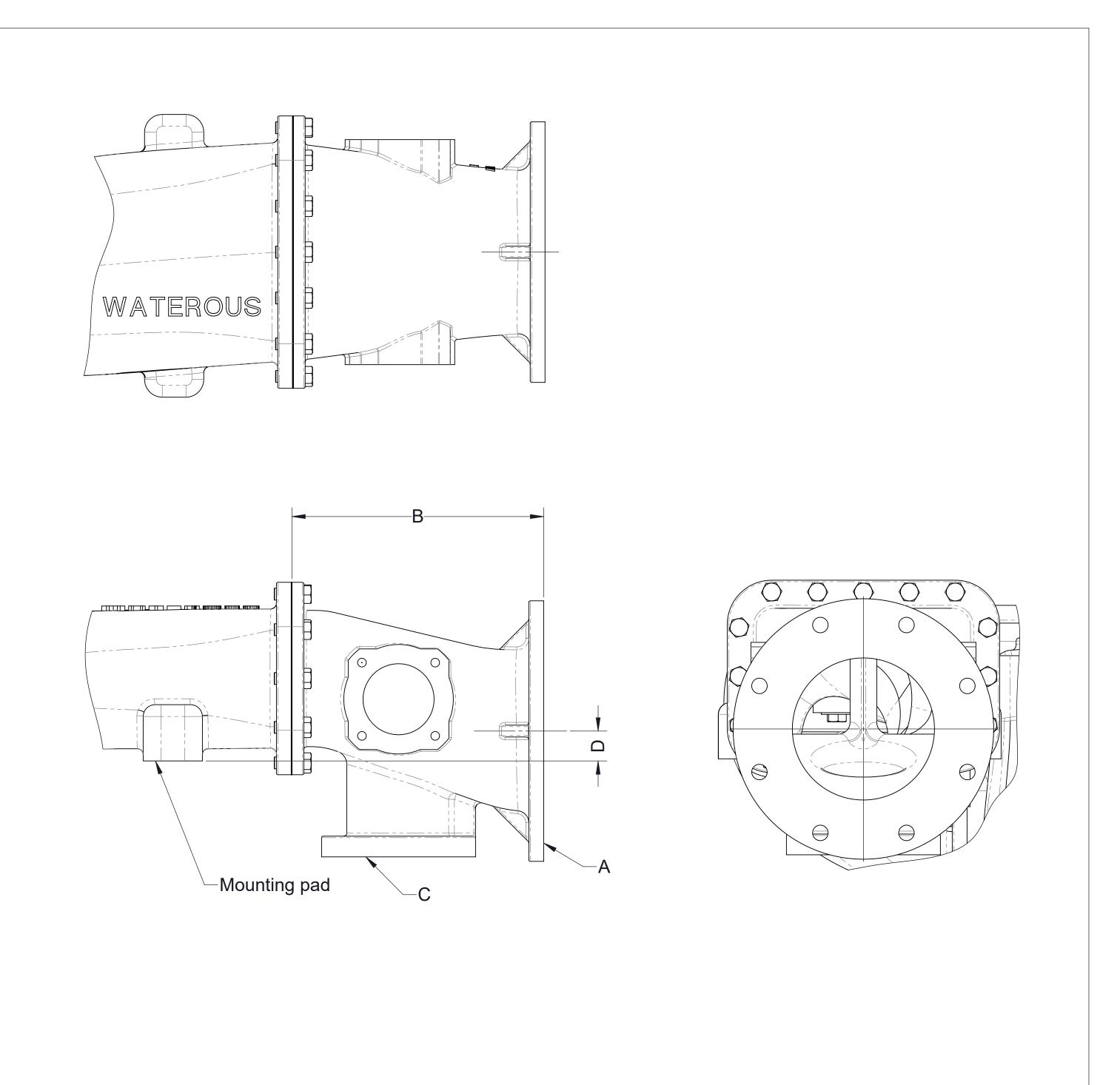






Note: 1. Refer to dimensional DPL81867 for additional intake fitting dimensions and pad details.

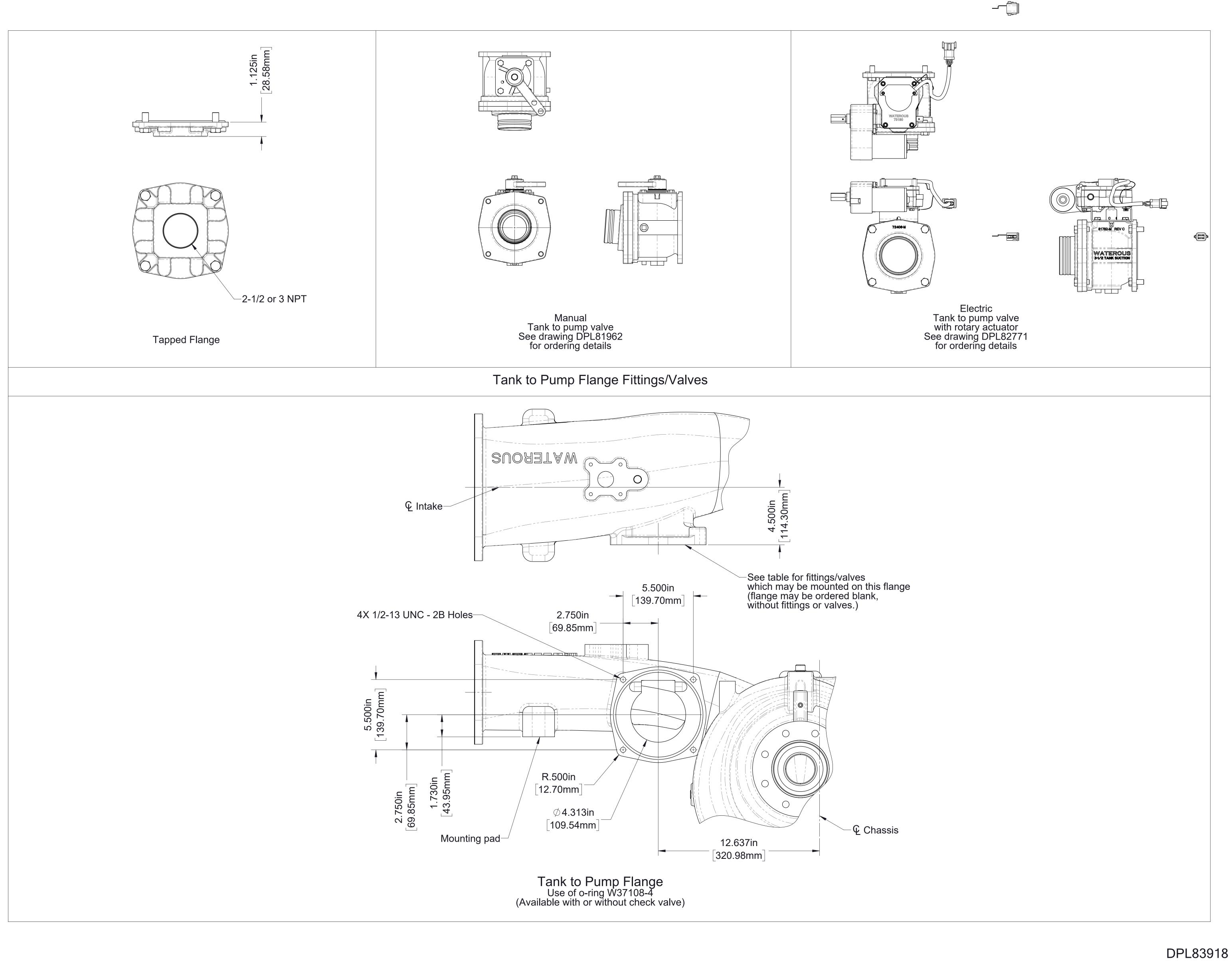
| f Valve | Part Number |
|---------|-------------|
| No      | 81929       |
| 'es     | 82164       |
| 'es     | 82167       |
| No      | 81916       |
| ′es     | 82173       |
| ′es     | 82174       |
| No      | 81915       |
| ′es     | 82163       |
| ′es     | 82166       |



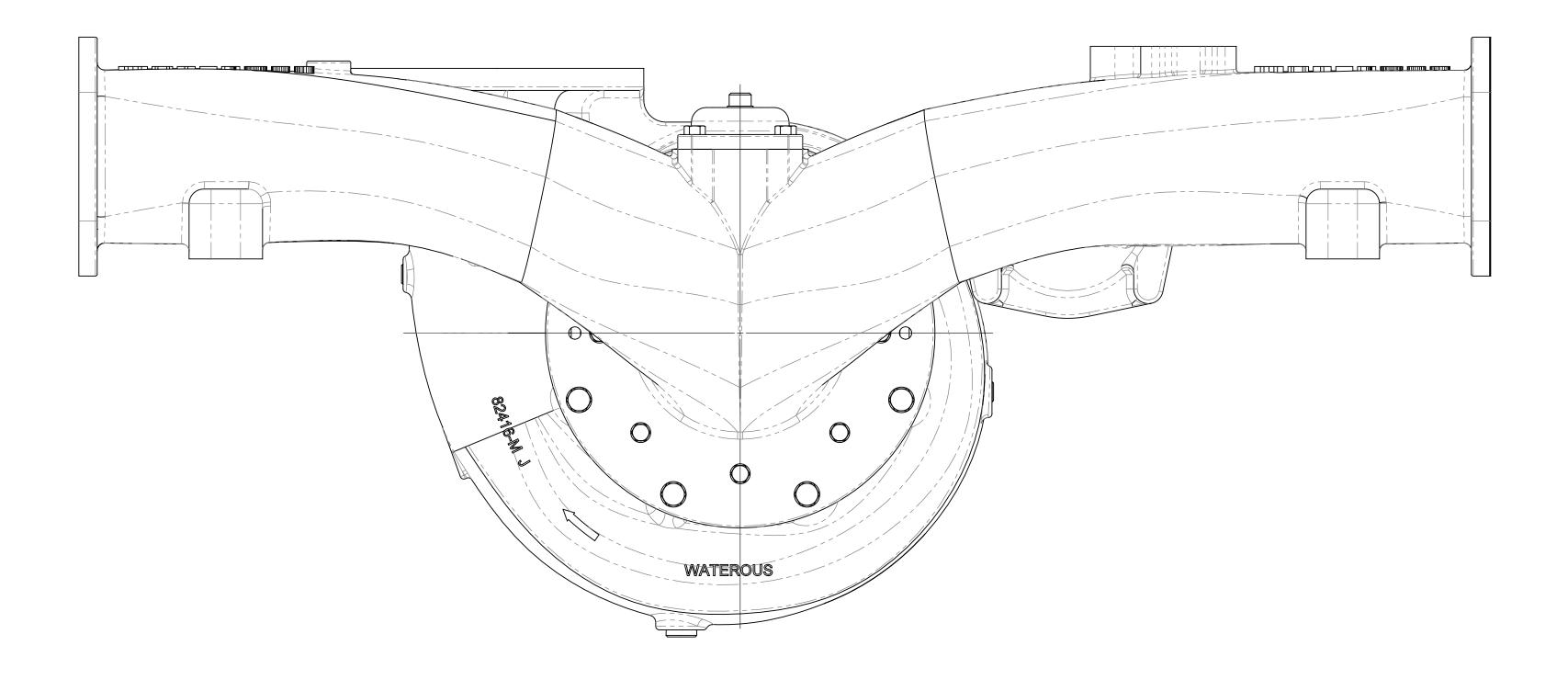
| Туре    | End Size "A" | Length "B"           | Bottom Flange<br>"C"          | "D"                | Relief Valve       | Part Number |       |
|---------|--------------|----------------------|-------------------------------|--------------------|--------------------|-------------|-------|
|         |              | 6.750in<br>171.45mm  | 2-1/2in. 4 Bolt               | 1.980in<br>50.29mm | No                 | 82289       |       |
|         |              |                      | No                            |                    | Yes                | 82301       |       |
| Flanged | 6 in. ANSI   |                      | 5 in. ANSI                    |                    | Yes                | 82302       |       |
| Flangeu | 0 III. ANSI  | 40.005               | 3-1/2 IN. 8 Bolt              |                    | No                 | 82011       |       |
|         |              | 10.625in<br>269.88mm |                               | No                 | 1.261in<br>32.03mm | Yes         | 82165 |
|         |              |                      | 5 in. ANSI                    |                    | Yes                | 82168       |       |
|         |              |                      |                               |                    |                    |             |       |
|         |              |                      | Flanged Intak<br>Part 82011 s | e Fittina          |                    |             |       |

Part 82011 Shown

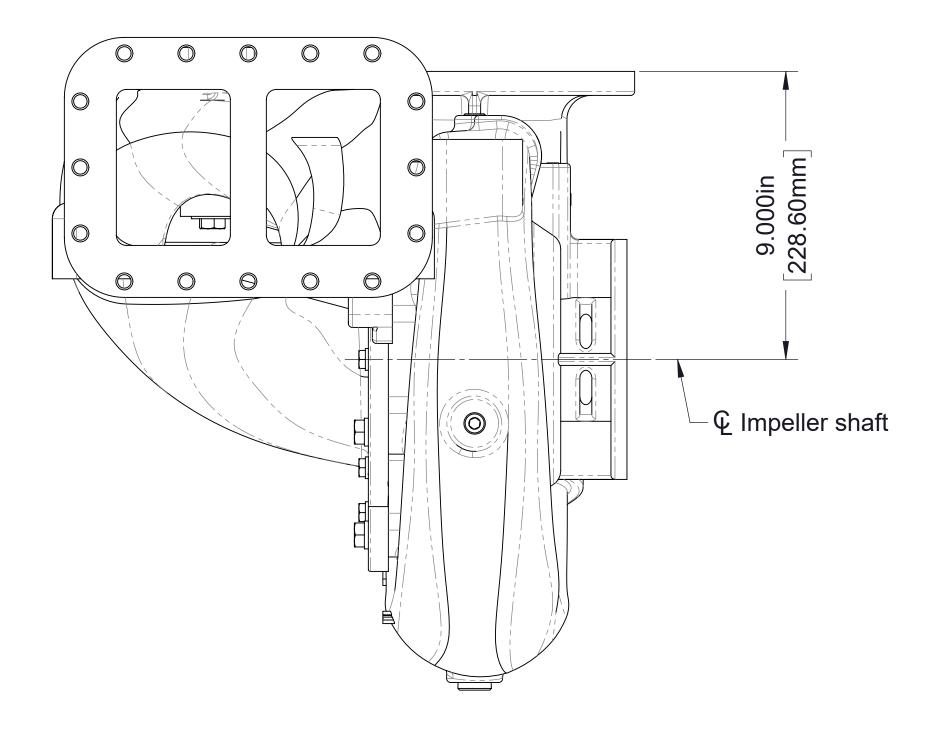
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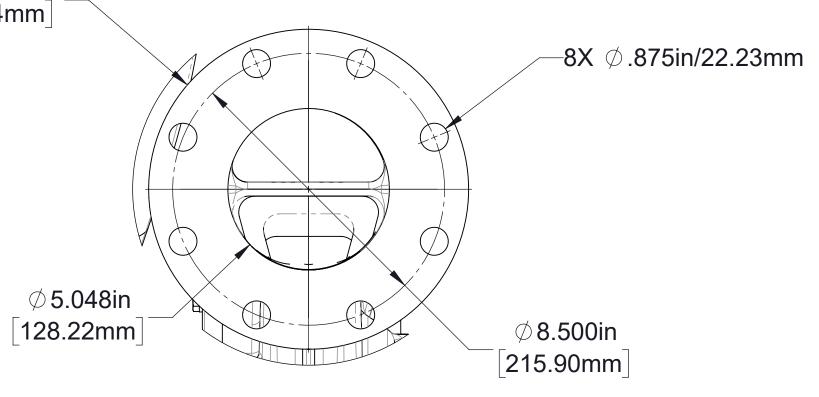
## S101 Available Tank to Pump Fittings



∅ 10.000in [254mm]

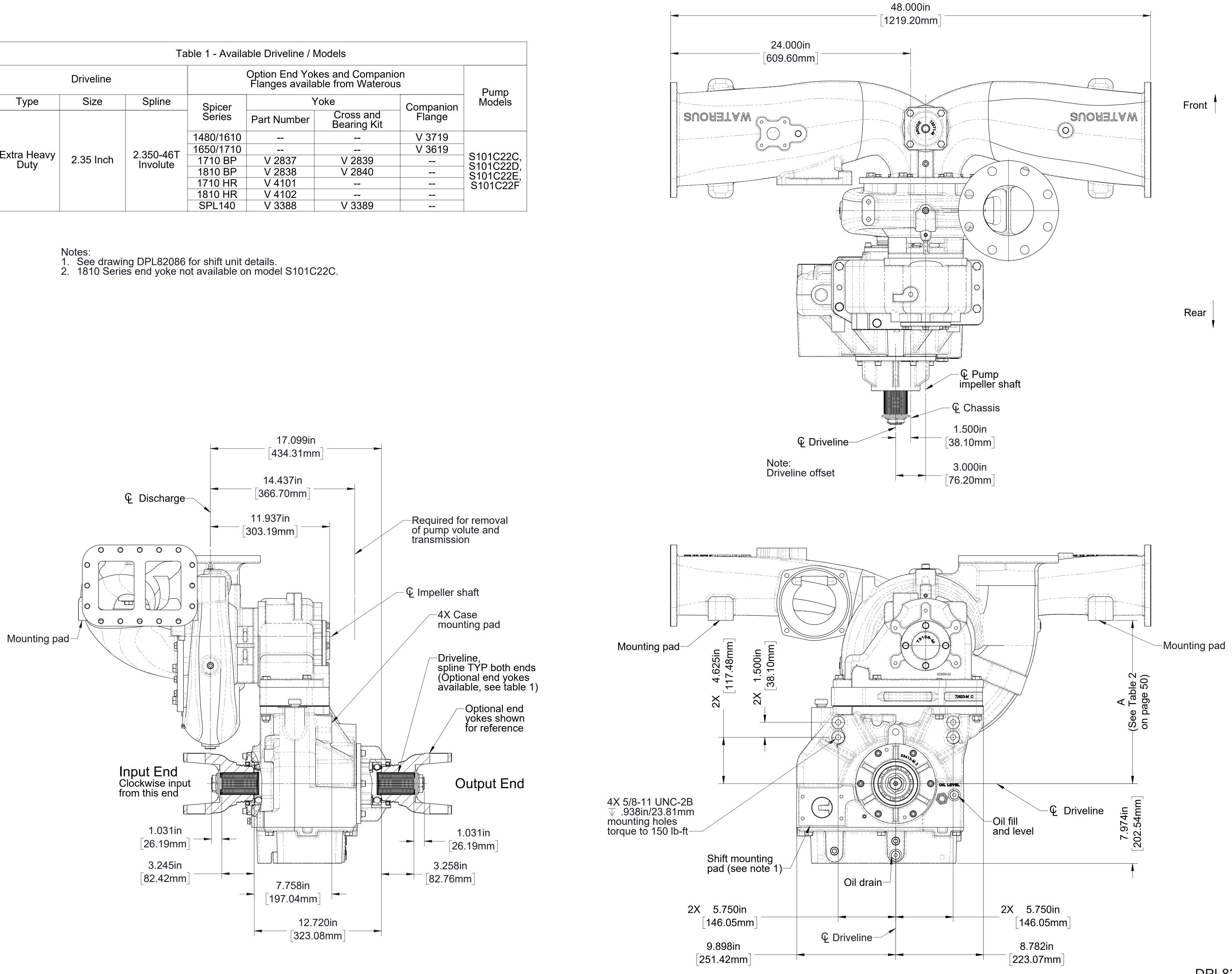


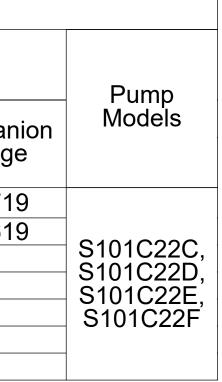
S101 Optional Blank Discharge (5 in. ANSI Flange)

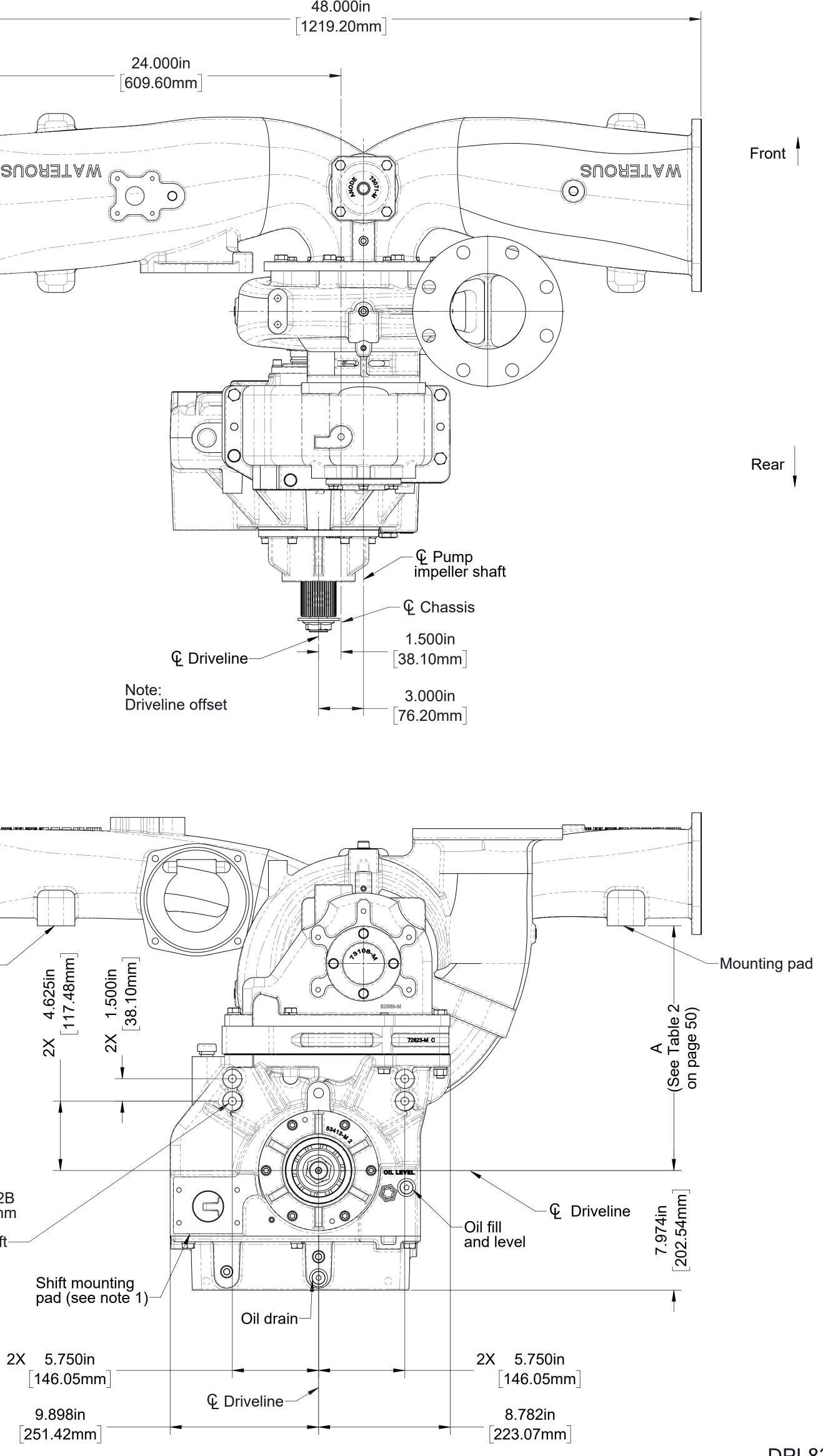


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|                     |           | Та        | ble 1 - Availa     | able Driveline / I              | Models                                |         |         |        |        |
|---------------------|-----------|-----------|--------------------|---------------------------------|---------------------------------------|---------|---------|--------|--------|
|                     | Driveline |           |                    | Option End Yo<br>Flanges availa | kes and Companio<br>able from Waterou | on<br>s |         |        |        |
| Туре                | Size      | Spline    | Spicer             | Ň                               | Yoke                                  | Compar  |         |        |        |
|                     | 2.35 Inch | 2.350-46T | _ Spicer<br>Series | Part Number                     | Cross and<br>Bearing Kit              | Flang   |         |        |        |
|                     |           |           |                    | 1480/1610                       |                                       |         | V 371   |        |        |
| Extra Hoovy         |           |           | 1650/1710          |                                 |                                       | V 361   |         |        |        |
| Extra Heavy<br>Duty |           | 2.35 Inch |                    |                                 |                                       |         | 1710 BP | V 2837 | V 2839 |
| Daty                |           | involute  | 1810 BP            | V 2838                          | V 2840                                |         |         |        |        |
|                     |           |           | 1710 HR            | V 4101                          |                                       |         |         |        |        |
|                     |           |           |                    |                                 |                                       |         | 1810 HR | V 4102 |        |
|                     |           | SPL140    | V 3388             | V 3389                          |                                       |         |         |        |        |

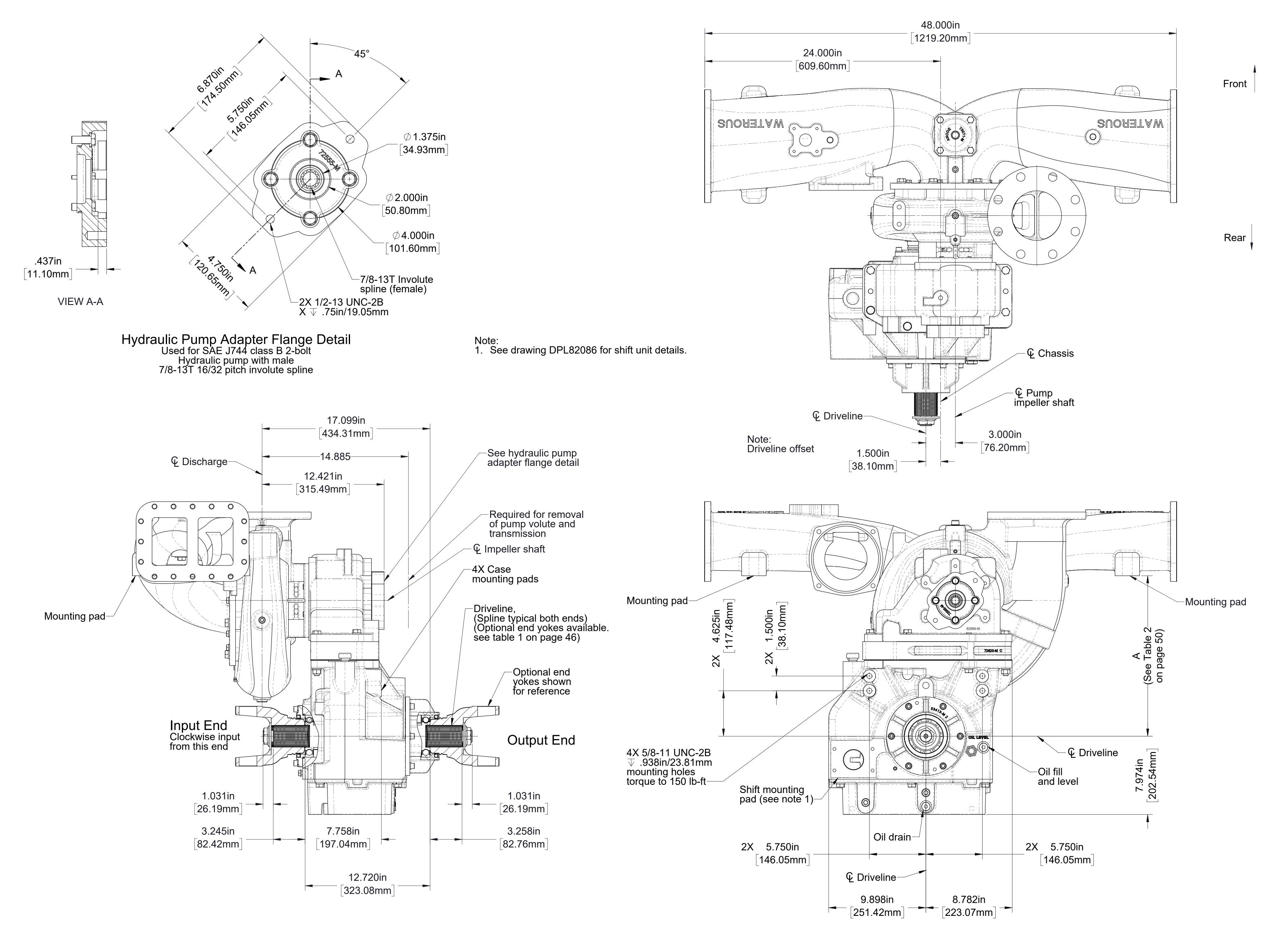






## **Model S101C22** Input and output shaft Model S101C22C, 2.27 ratio shown, blank discharge

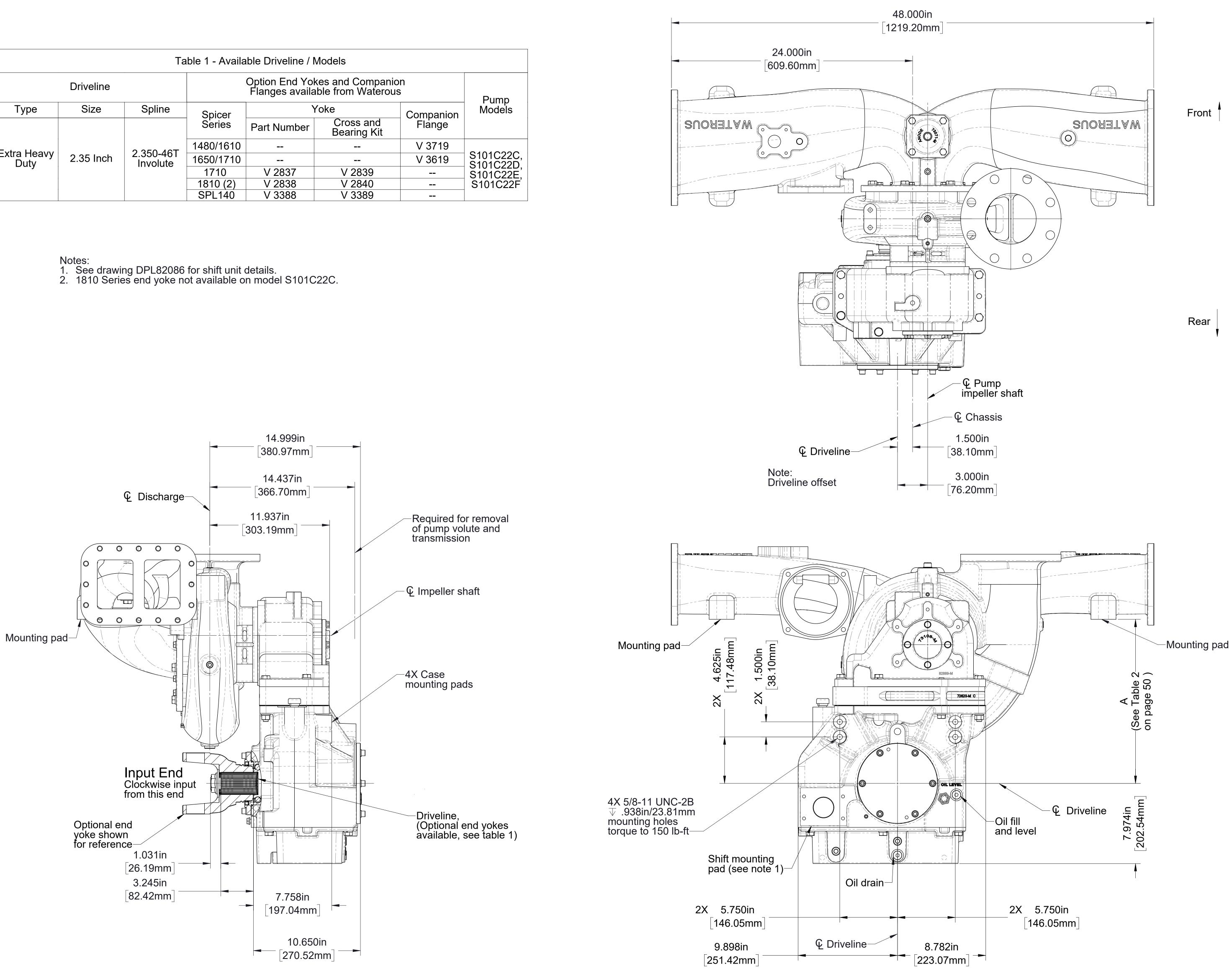
DPL83918 Page 46 of 52

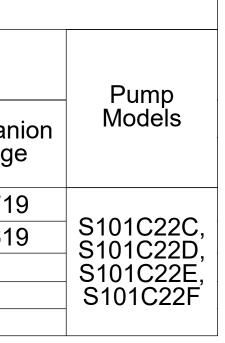


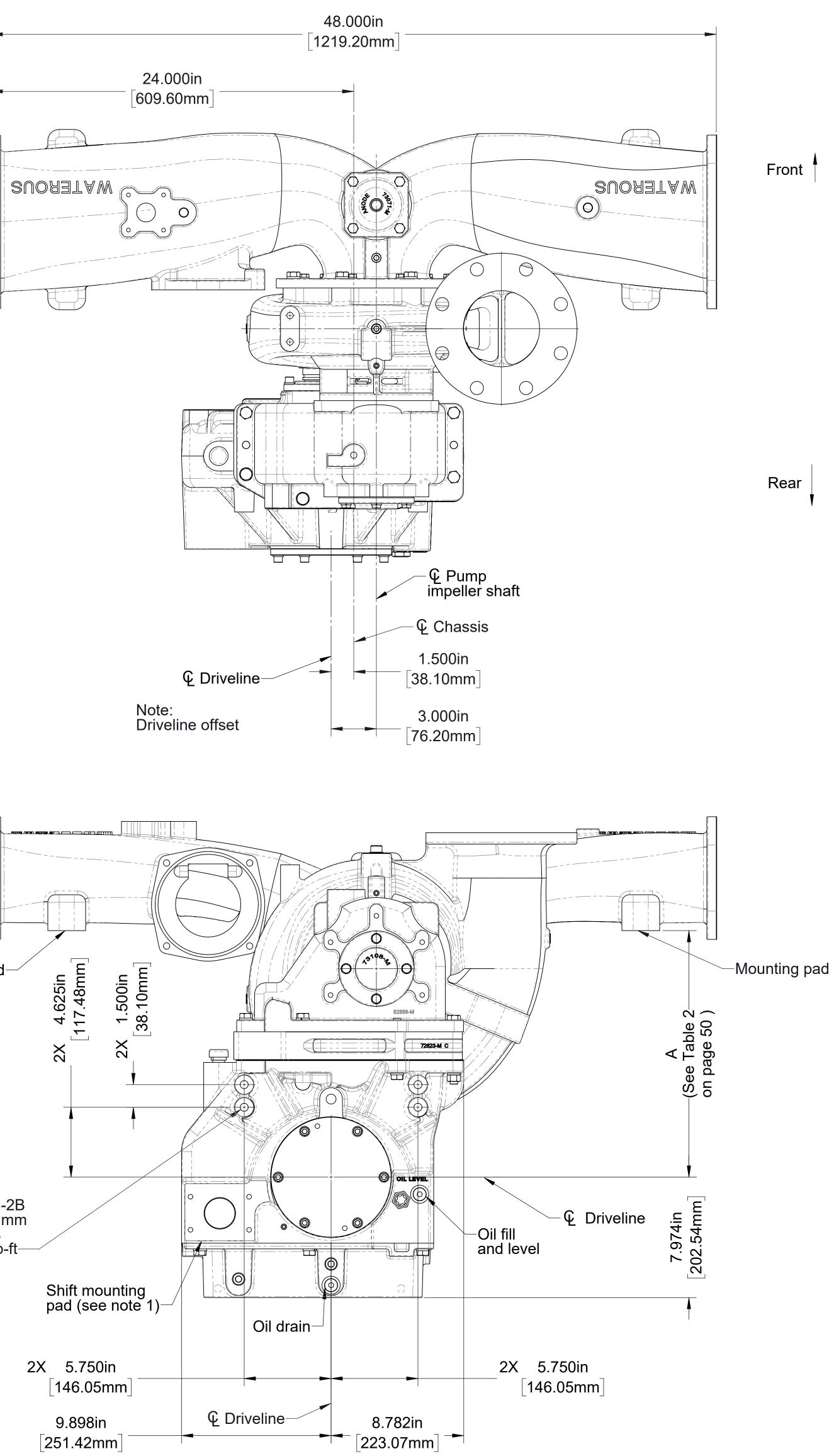
**Model S101C22** Input and output shaft Hydraulic pump mounting provision on rear (output shaft side) of transmission Model S100C22C, 2.27 ratio shown, blank discharge.

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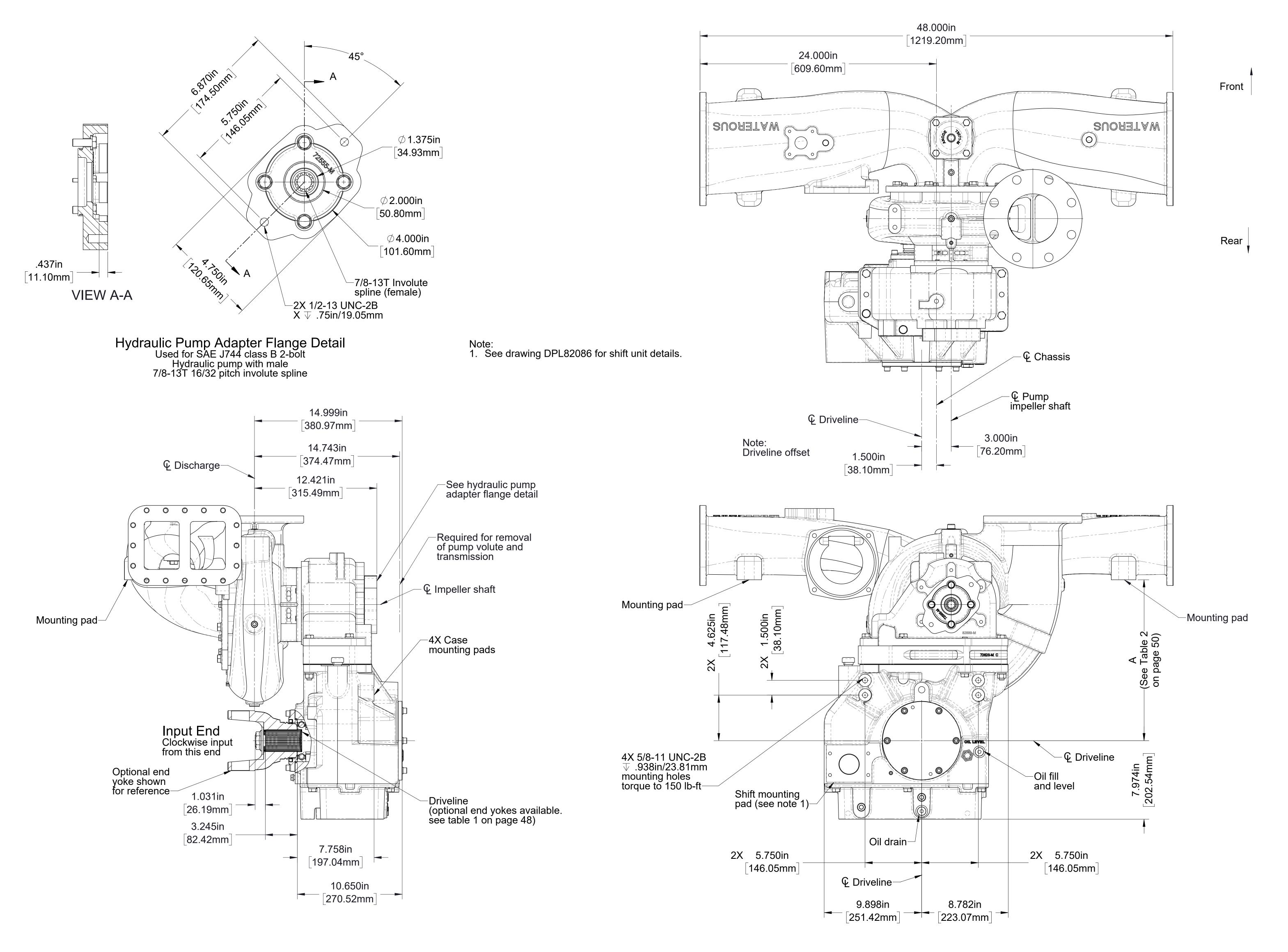
|                     |           | Та                    | ible 1 - Availa   | ble Driveline / I | Models                   |                 |
|---------------------|-----------|-----------------------|---|-------------------|--------------------------|-----------------|
| Driveline           |           |                       | Option End Yokes and Companion<br>Flanges available from Waterous |                   |                          | on<br>S         |
| Туре                | Size      | Spline                | Spline Spicer   |                   | Yoke                     | Compar          |
|                     | 2.35 Inch | 2.350-46T<br>Involute | Spicer<br>Series  | Part Number       | Cross and<br>Bearing Kit | Compar<br>Flang |
|                     |           |                       | 1480/1610   |                   |                          | V 371           |
| Extra Heavy<br>Duty |           |                       | 1650/1710   |                   |                          | V 361           |
|                     |           |                       | 1710  | V 2837            | V 2839                   |                 |
|                     |           |                       | 1810 (2)  | V 2838            | V 2840                   |                 |
|                     |           |                       | SPL140  | V 3388            | V 3389                   |                 |







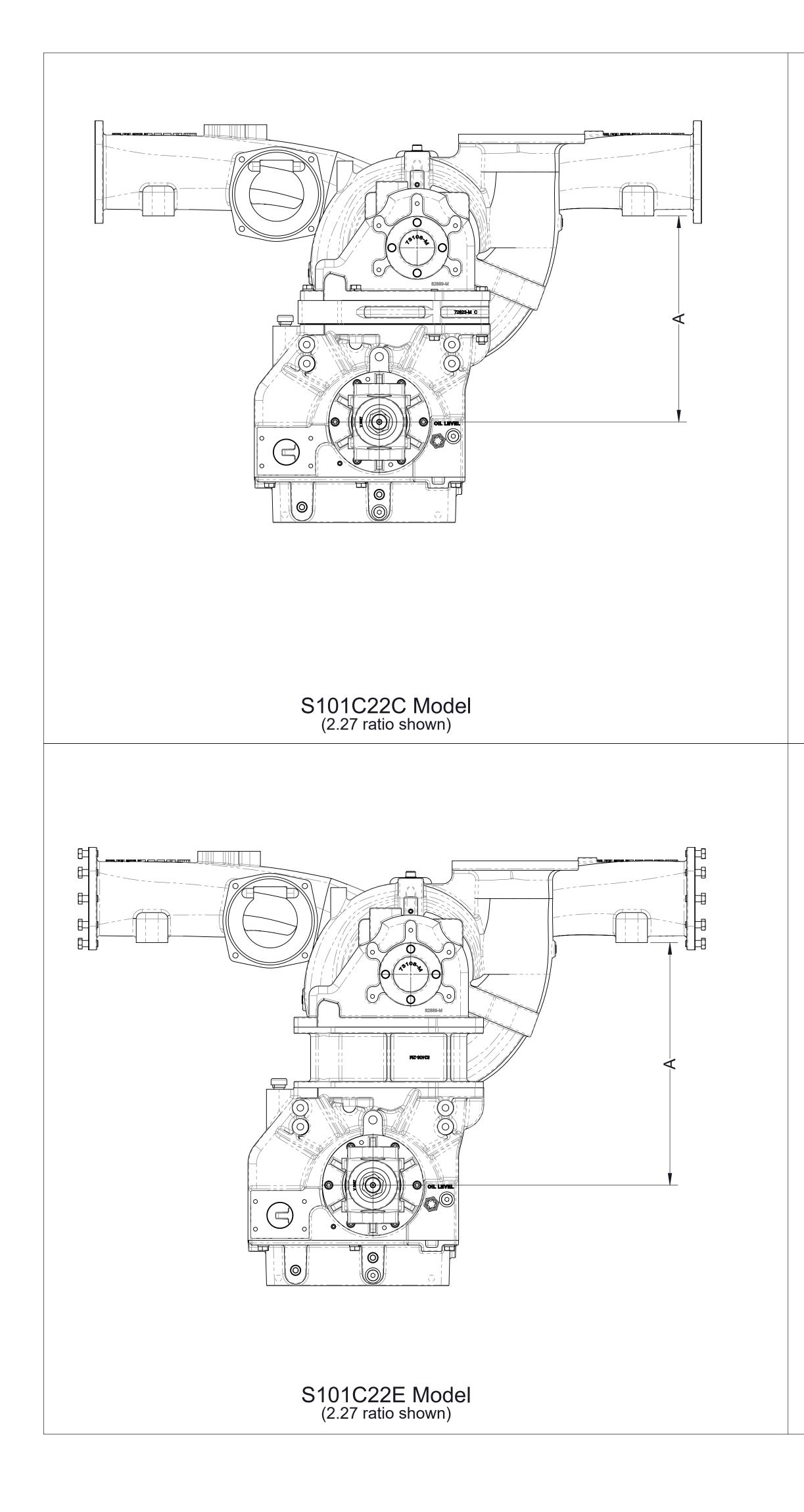
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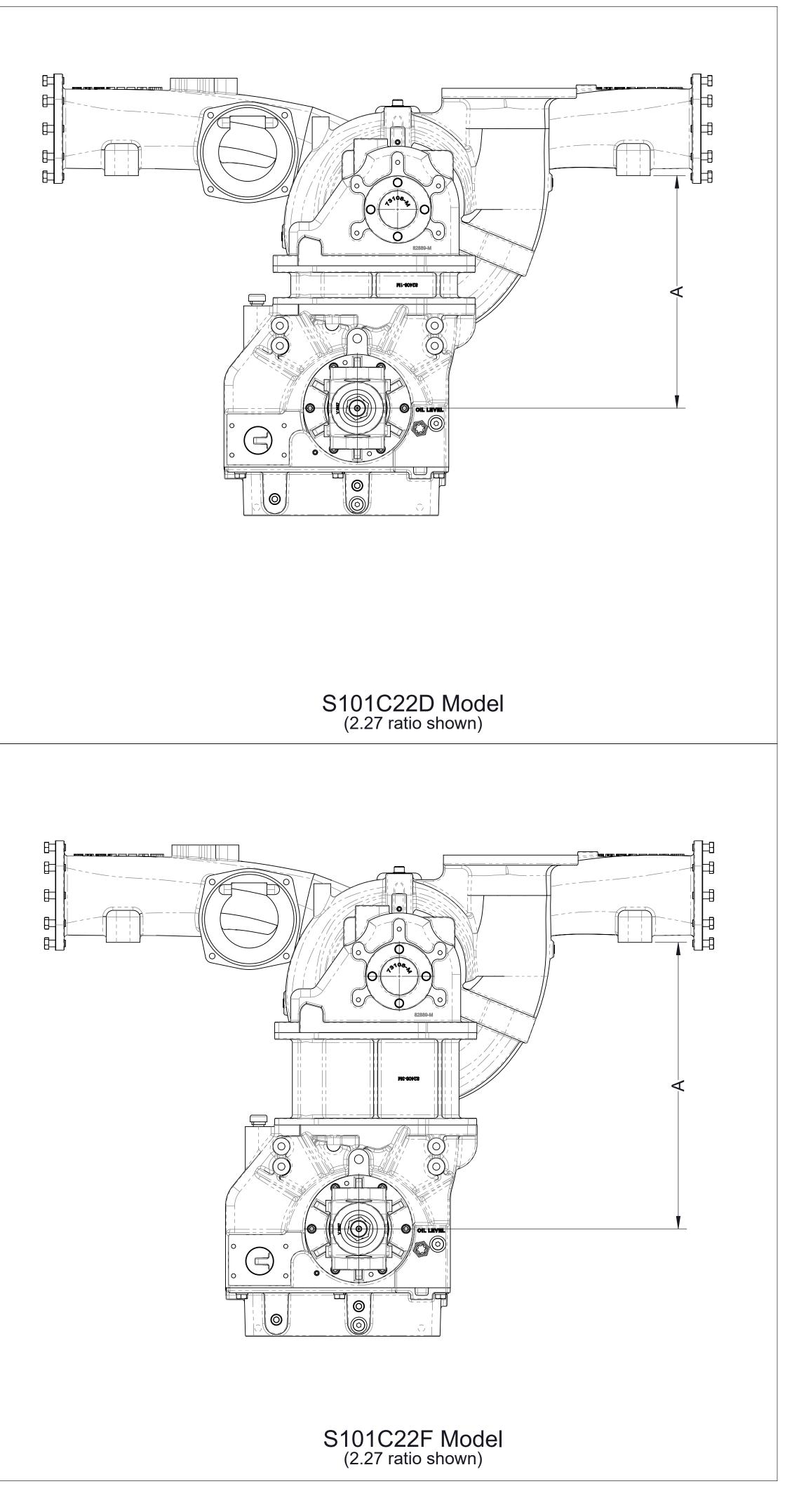


Model S101C22

Input shaft only Hydraulic pump mounting provision on rear (output shaft side) of transmission Model S101C22C, 2.27 ratio shown, blank discharge, up discharge position shown

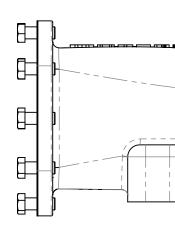
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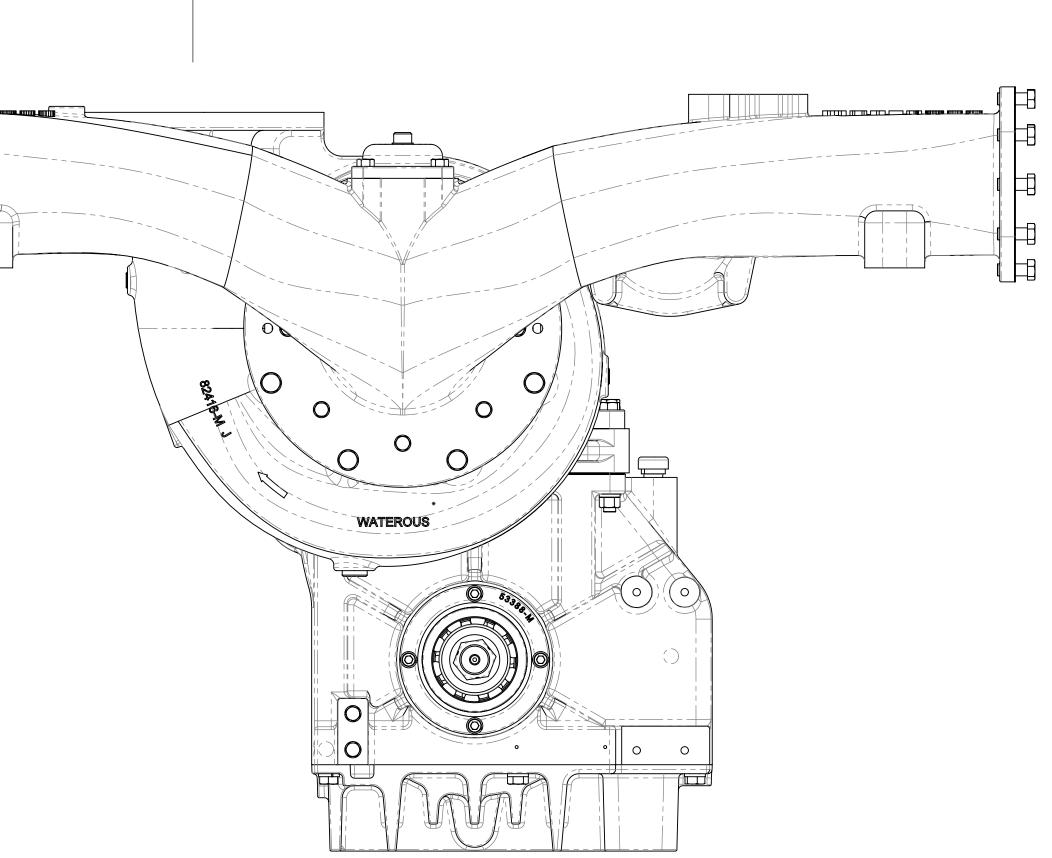




### **Ratio and Drop Dimension**

| Table 2 - Available Ratios |             |          |          |          |  |  |
|----------------------------|-------------|----------|----------|----------|--|--|
| Drive to                   | Dimension A |          |          |          |  |  |
| Driven Ratio               | S101C22C    | S101C22D | S101C22E | S101C22F |  |  |
| 1.27                       | 16.832in    | 17.345in | 19.381in | 21.412in |  |  |
|                            | 427.52mm    | 440.56mm | 492.27mm | 543.86mm |  |  |
| 1.41                       | 16.419in    | 17.451in | 19.491in | 21.522in |  |  |
|                            | 417.03mm    | 443.25mm | 494.06mm | 546.65mm |  |  |
| 1.48                       | 16.398in    | 17.427in | 19.471in | 21.501in |  |  |
|                            | 416.50mm    | 442.64mm | 494.56mm | 546.12mm |  |  |
| 1.58                       | 16.276in    | 17.308in | 19.350in | 21.381in |  |  |
|                            | 413.40mm    | 439.62mm | 491.48mm | 543.07mm |  |  |
| 1.69                       | 16.359in    | 17.396in | 19.443in | 21.481in |  |  |
|                            | 415.51mm    | 441.85mm | 493.84mm | 545.61mm |  |  |
| 1.79                       | 16.565in    | 17.592in | 19.647in | 21.688in |  |  |
|                            | 420.74mm    | 446.83mm | 499.03mm | 550.87mm |  |  |
| 1.88                       | 16.210in    | 17.237in | 19.293in | 21.329in |  |  |
|                            | 411.73mm    | 437.81mm | 490.03mm | 541.75mm |  |  |
| 1.97                       | 16.390in    | 17.432in | 19.490in | 21.532in |  |  |
|                            | 416.30mm    | 442.76mm | 493.77mm | 546.90mm |  |  |
| 2.03                       | 16.504in    | 17.548in | 19.606in | 21.652in |  |  |
|                            | 419.19mm    | 445.71mm | 497.98mm | 549.95mm |  |  |
| 2.27                       | 16.331in    | 17.376in | 19.440in | 21.491in |  |  |
|                            | 414.80mm    | 441.34mm | 493.77mm | 545.86mm |  |  |
| 2.46                       | 16.562in    | 17.607in | 19.674in | 21.725in |  |  |
|                            | 420.67mm    | 447.21mm | 499.71mm | 551.81mm |  |  |
| 2.68                       | 16.266in    | 17.313in | 19.385in | 21.443in |  |  |
|                            | 413.16mm    | 439.75mm | 492.38mm | 544.65mm |  |  |





Pump dishcarge is only available in the up position. Position as viewed looking at transmission input shaft.

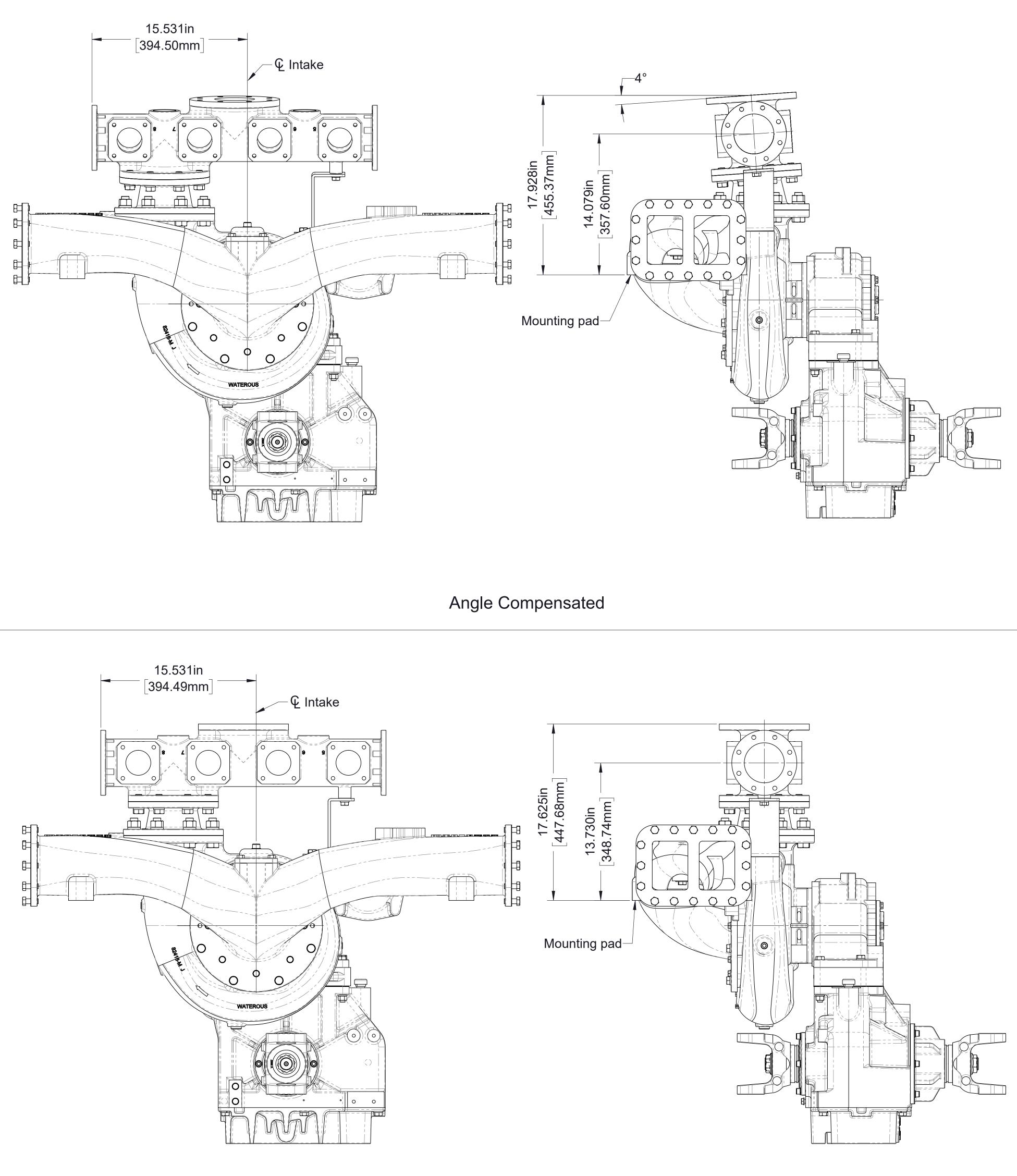
### **Discharge Position**

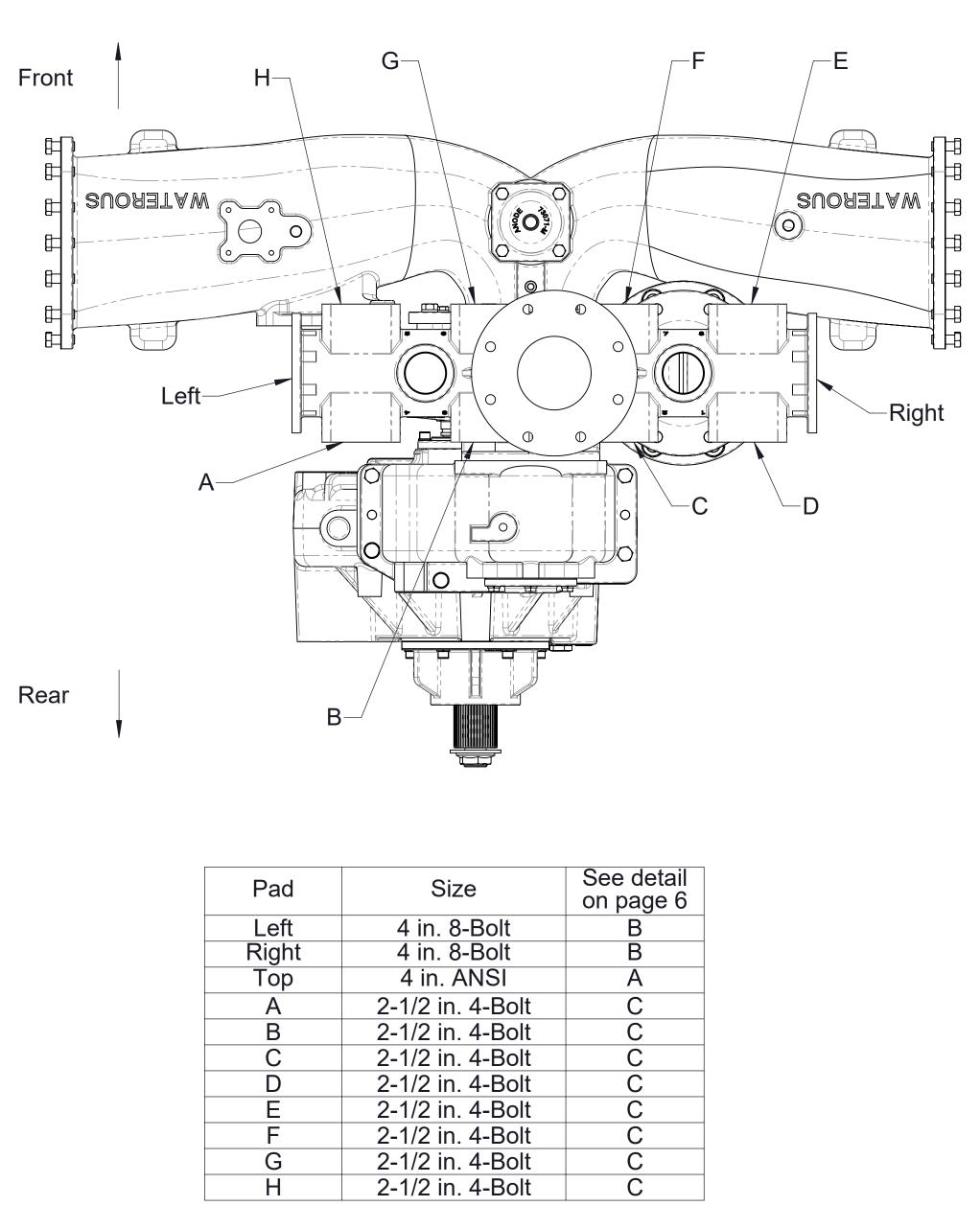
### **Ordering Information**

When ordering furnish the following information:

- Pump model: (see pages 46-49).
   Drive to driven ratio: (see page 50).
   Hydraulic adapter (see pages 47 or 49).
   Optional discharge fitting: (see pages 6 or 45 and 52).

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| Size                 | See detail |
|----------------------|------------|
|                      | on page 6  |
| 4 in. 8-Bolt         | В          |
| 4 in. 8-Bolt         | B          |
| 4 in. ANSI           | A          |
| <br>2-1/2 in. 4-Bolt | С          |
| 2-1/2 in. 4-Bolt     | С          |
| 2-1/2 in. 4-Bolt     | С          |
| 2-1/2 in. 4-Bolt     | С          |
| 2-1/2 in. 4-Bolt     | С          |
| 2-1/2 in. 4-Bolt     | С          |
| 2-1/2 in. 4-Bolt     | С          |
| 2-1/2 in. 4-Bolt     | С          |
|                      |            |

Manifold Pads

## Manifold Mounted Perpendicular to Intake Model S101C22 Note: See page 6 for manifold dimensions not shown

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