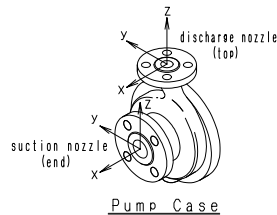


## Allowable Piping Forces &amp; Moments



| Fsx | Fsy | Fsz | Fdx | Fdy | Fdz |
|-----|-----|-----|-----|-----|-----|
| 200 | 160 | 130 | 160 | 130 | 200 |
| Msx | Msy | Msx | Mdx | Mdy | Mdz |
| 340 | 170 | 260 | 340 | 170 | 260 |

NOTE : F = force (lb) M = moment (lb-ft)

S = suction nozzle

d = discharge nozzle

See the figure for orientation of nozzle loads (x, y, z)

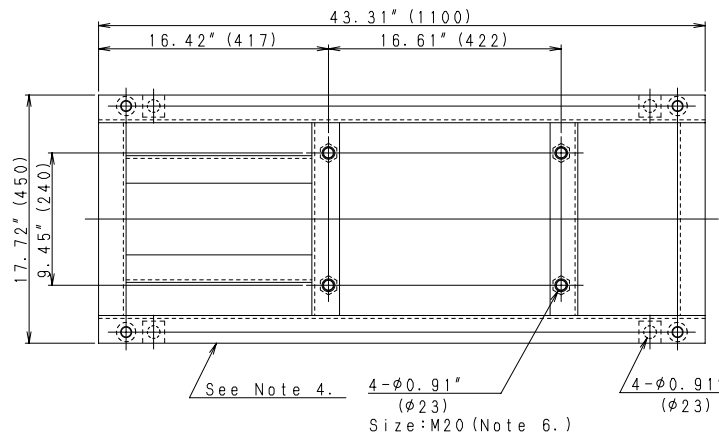
The allowable force &amp; moment is 2 times the value shown in table.

## Description: Canned Motor Pump (Sealless Pump)

Customer : World Energy Paramount  
 Equipment Owner : Air Products Manufacturing LLC  
 APCI No. : EN207119-TEI-9V3-00007  
 Order No. : 4505499561  
 Job No. : A8KM  
 Project Name : World Energy Renewable Project  
 Item No. : 18-P-360 A/B  
 Item Name : Wash Water Circulation Pump  
 Model : F98-417C4XM-0405T1V-A  
 Unit : RJFU-B  
 WBS : 1801  
 Total Weight (includes baseplate) : 1234Lbs (560kg)

## Note

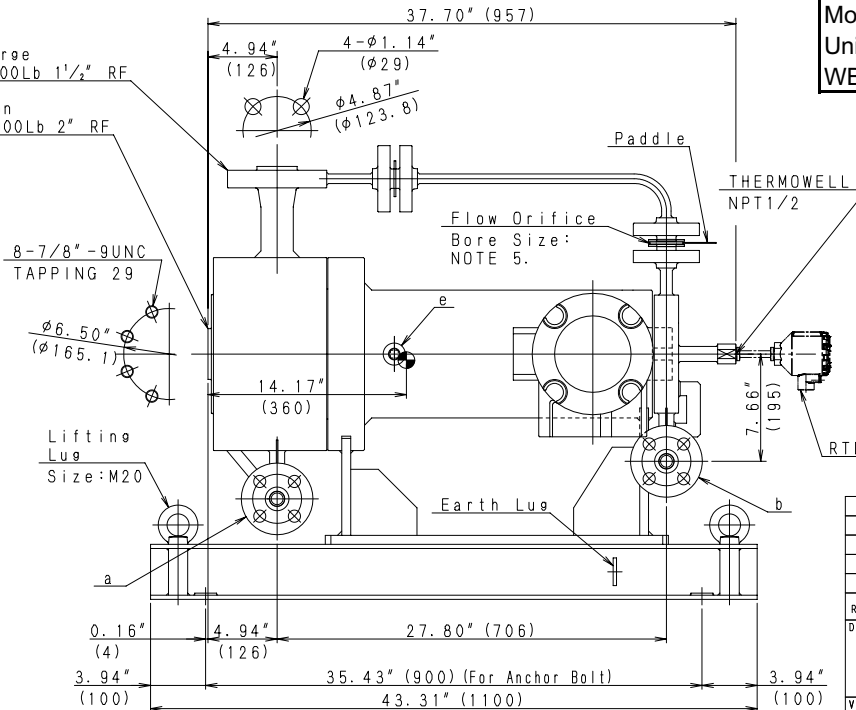
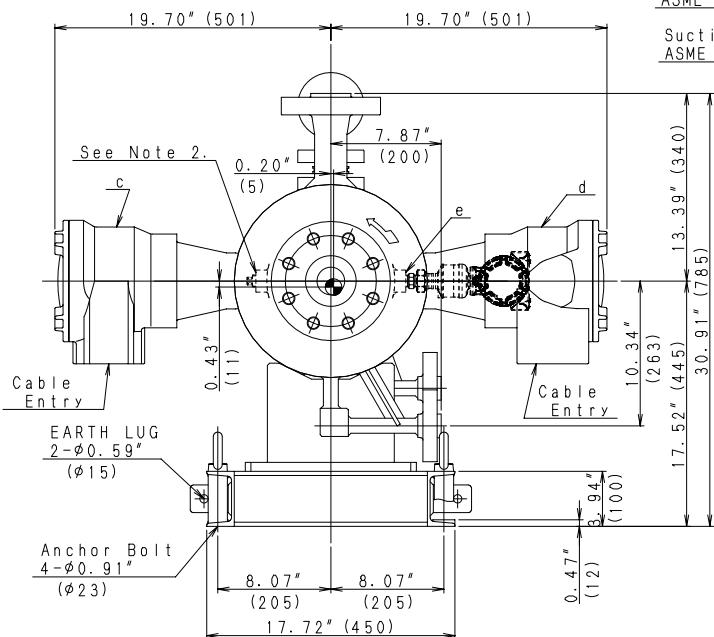
- Center of gravity
- A connection port for the pneumatic test for the secondary containment shell. After the test, this will be plugged and welded to close.
- 20.1HP@3600RPM 460V / 3PH / 60HZ
- Open top baseplate.  
No Drain pan, rim or port with baseplate.
- Bore Size to be decided at performance test.
- Pump shall be installed to baseplate by Teikoku Anchor Bolt dimensioned locations are shown in front and side view.



## NOZZLE

- a...Casing Drain ASME900Lb 3/4" RF  
 b...Rotor Cavity Drain ASME900Lb 3/4" RF  
 c...Terminal Box for Power NPT1-1/2  
 d...Terminal Box for Protection NPT3/4  
 e...Pressure Transmitter NPT1/2

Customer: World Energy Paramount  
 Equipment Owner: Air Products Manufacturing LLC  
 APCI No: EN207119-TEI-9V3-00007  
 Order No: 4505499561  
 Job No: A8KM  
 Project Name: World Energy Renewables Project  
 Item No: 18-P-360 A/B  
 Item Name: Wash Water Circulation Pump  
 Model: F98-417C4XM-0405T1V-A  
 Unit: RJFU-B  
 WBS: 1801



| REV. NO.                        | REVISIONS | DATE      | DRN  | CHKD    | APPD |
|---------------------------------|-----------|-----------|------|---------|------|
| F                               | Rewritten | Mar-24-22 | KN   | MM      | KA   |
| E                               | Rewritten | Feb-15-22 | KN   | MM      | KA   |
| D                               | Rewritten | Feb-2-22  | KN   | MM      | KA   |
| DWG. TITLE                      |           |           |      |         |      |
| GENERAL ARRANGEMENT DRAWING     |           |           |      |         |      |
| VENDOR                          |           | SCALE     | SIZE | SHEET   | REV. |
| 株式会社 帝国電機製作所                    |           | 1 : 7     | A2   | 1/1     | F    |
| TEIKOKU ELECTRIC MFG. CO., LTD. |           | DWG. No.  |      | 6L-6193 |      |