

GENERAL NOTES

| PUMP INFORMATION | |
|------------------|---------------------------|
| Item No.: | 104-P-102/202/302/402 A/B |
| Unit: | 104 |
| Service: | STEAM CONDENSATE PUMPS |
| Model: | API10-LF 40-25-200A |
| Std Plan: | 23+61 |
| Motor: | 4KW - 2891RPM |

1. Valve type of pump drain and vent is ball valve.

REFERENCE DRAWINGS

| | |
|---------------------------|-------------------------------|
| MECH. SEAL SYSTEM DRAWING | WP-SP2021-ON-MA-104-P102-0013 |
| MOTOR OUTLINE DRAWING | WP-SP2021-ON-MA-104-P102-0016 |
| COUPLING DRAWING | WP-SP2021-ON-MA-104-P102-0008 |

| | |
|-------|--|
| Code1 | <input checked="" type="checkbox"/> (Approved) Vendor to submit "For Final" (No comment & release for manufacturing) |
| Code2 | <input type="checkbox"/> (Approved with comments) Vendor shall correct / revise & submit it as "For Final" |
| Code3 | <input type="checkbox"/> (Commented) : Vendor shall correct / revise & resubmit : It as " For Approval" of the date specified : (Corrected documents to be incorporated as indicated) |
| Code4 | <input type="checkbox"/> Not acceptable quality (Reject) |

The above checking result by OIEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing

DATE : 01/12/2013
DEPT: Machinery
Signature : Saleem

OIEC-SP 20&21

| CV | PI | EL | IN | ME | MA |
|----|----|----|----|----|----|
| ST | BU | PR | SA | HV | TL |

| | | | | | | |
|---|-----------|--------------|-----|-------|------|------|
| 2 | 28Oct2013 | FOR APPROVAL | DBP | Apple | Ryan | Time |
| 1 | 14Aug2013 | FOR APPROVAL | DBP | Apple | Ryan | Time |
| 0 | 23Mar2013 | FOR APPROVAL | DBP | Apple | Ryan | Time |

REV. DATE DESCRIPTION OIEC PRP/EP CRTD APP/D Contractor Apprd

SOUTH PARS GAS FIELD DEVELOPMENT-
PHASES 20 & 21, ASSALUYEH-BRAN
ONSHORE FACILITIES

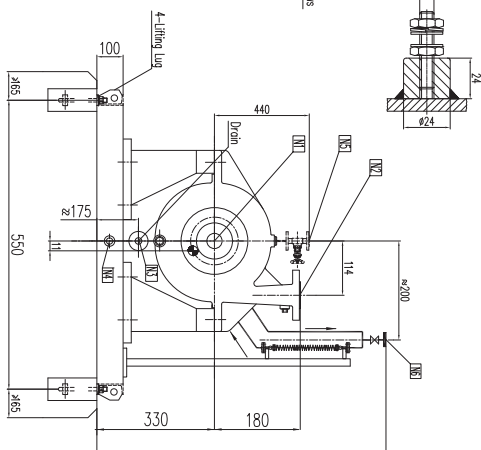
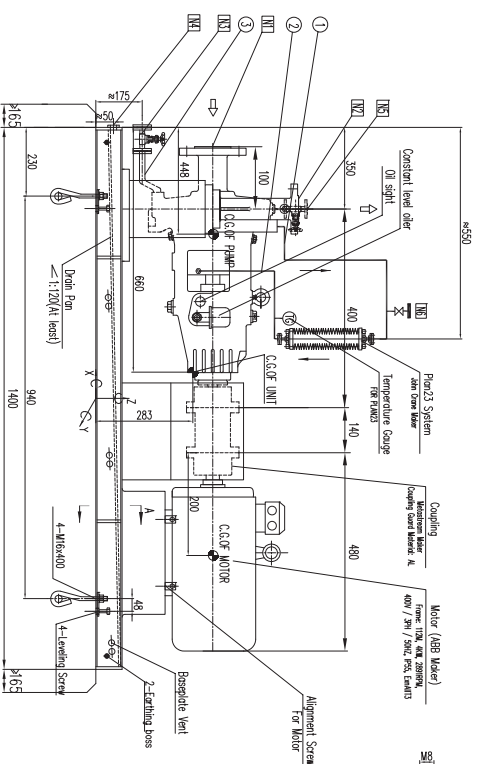
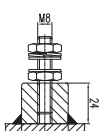
PROJECT No.: POCG-572-88-35 DOC CLASS: SCALE :



104-P-102A/B 104-P-202A/B 104-P-302A/B 104-P-402A/B
STEAM CONDENSATE PUMPS
GENERAL ARRANGEMENT DRAWING

DRAWING No. WP-SP2021-ON-MA-104-P102-0001 SHEET No. 1 OF 1 REV. 2

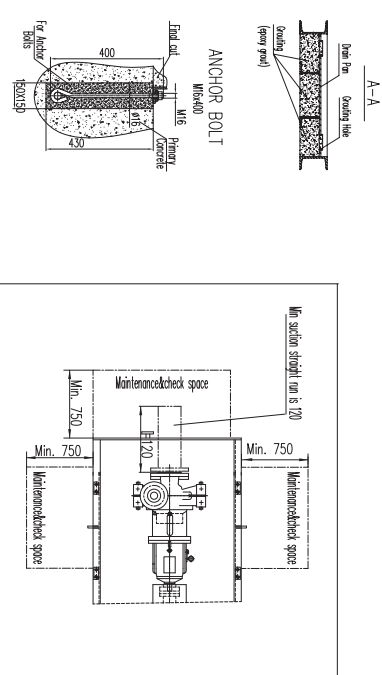
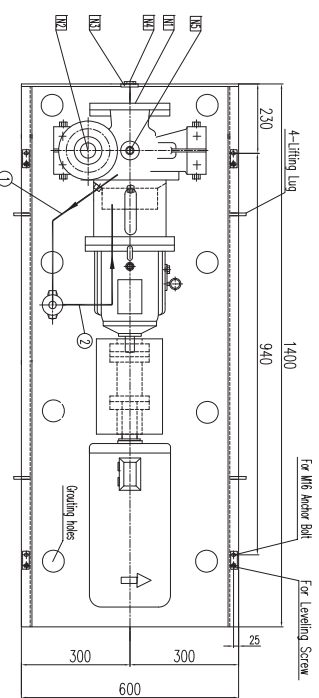
EARTHING BOSS



| | |
|--|---------|
| Maximum Allowable Amplitude for Foundation | 4 mm/s |
| Velocity/PEAK | 25.4 mm |
| Displacement | 4mm |

| WEIGHT TABLE | |
|--------------|--------|
| PUMP | 75 KG |
| MOTOR | 64 KG |
| SEAL SYSTEM | 45 KG |
| BASE PLATE | 140 KG |
| OTHERS | 11 KG |
| TOTAL WEIGHT | 335 KG |

| Pipeline Description | |
|----------------------|--|
| ① | Pipe for seal liquid to heat exchanger |
| ② | Pipe for seal liquid to seal chamber |
| ③ | Pump drain Pipe |



| DS200 | | Center of Gravity List | |
|-------|-------|------------------------|------|
| X | ≤0.05 | X | 252 |
| Y | ≤0.05 | Y | 0 |
| Z | ±0.1 | Z | 330 |
| X | ≤0.08 | X | -430 |
| Y | ≤0.08 | Y | 0 |
| Z | ±0.15 | Z | 330 |
| X | ≤0.10 | X | 40 |
| Y | ≤0.10 | Y | 11 |
| Z | ±0.2 | Z | 283 |

MAX. ALLOWABLE MISALIGNMENT(mm)

| DISCHARGE | | SUCTON | |
|-----------|----------------------------------|--------|----------------------------------|
| 1" | ±1420 ±1160 ±1780 ±920 ±460 ±700 | 1" | ±1420 ±1160 ±1780 ±920 ±460 ±700 |
| inch | Fx Fy Fz Mx My | inch | Fx Fy Fz Mx My |
| DN | Force (N) | DN | Force (N) |
| 1 1/2" | ±1780 ±1420 ±1160 ±920 ±460 ±700 | 1 1/2" | ±1780 ±1420 ±1160 ±920 ±460 ±700 |
| inch | Fx Fy Fz Mx My | inch | Fx Fy Fz Mx My |
| DN | Force (N) | DN | Force (N) |

Nozzle Allowable Force & Moment

