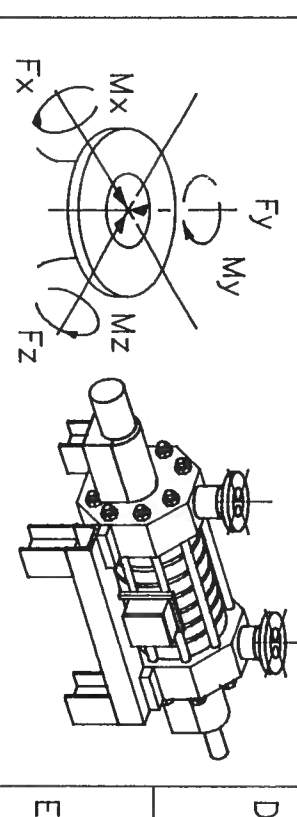


| ITEM | SYMBOL | CONNECTION | SIZE AND STANDARD |
|------|--------|-------------------------|-------------------|
| AS | | SUCTION NOZZLE | 5" 300/16 RC |
| AD.1 | | DISCHARGE NOZZLE | 4" 1500/16 RC |
| AD.2 | | INTERSTAGE TAP | |
| 14A | | BALANCING WATER LINE | |
| 9B | | DRAIN | |
| KV | | COOLING WATER FEED LINE | |
| KR | | COOLING WATER RETURN | |
| KT | | DRIP WATER LINE | |
| ZV | | CIRCULATION INLET | |
| ZR | | CIRCULATION OUTLET | |
| EL | | VENT | |

ADMISSABLE FORCES AND MOMENTS



| SUCTION NOZZLE | | DISCHARGE NOZZLE | |
|----------------|-----------------|------------------|-----------------|
| FORCES LB. | MOMENTS FT. LB. | FORCES LB. | MOMENTS FT. LB. |
| $F_x = 730$ | $M_x = 2140$ | $F_x = 670$ | $M_x = 1470$ |
| $F_y = 2300$ | $M_y = 1030$ | $F_y = 2250$ | $M_y = 920$ |
| $F_z = 730$ | $M_z = 1770$ | $F_z = 670$ | $M_z = 1330$ |

FORCES AND MOMENTS BASED ON NORMAL OPERATING CONDITIONS

| | |
|------------------|----------------|
| REQ. NO. | 616191-RFR-007 |
| PROJECT NAME | 1091E/1731 |
| KSB PROPOSAL NO. | HCC 3/8 |
| PUMP TYPE: | |

| | | | | | | | | |
|----------|---|--|---|---|---|-----------------------|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | MOTOR PUMP AND BASEPLATE MINIMUM FLOW VALVE | | 22.50 / 6 4300 / 6 | | |
| APPROVED | | DATE | | NAME | | NSV | | |
| KSB | | 4415 Semble Road Rahmonk, Va. 22251 | | REPLY TO | | ORIGINAL FROM | | |