


NOTES:

1. CASING: STRUCTURAL STEEL TUBE WELDED TOGETHER, AND 20 GA STEEL PANELS BOLTED.
2. REFRIGERATION PIPING: TYPE L SEAMLESS COPPER TUBING. OPTIMUM EFFICIENCY.
3. WATER PIPING: SCH. 40 STEEL.
4. CONDENSING FLOW: DESIGN FLOW 3.0 GPM/TON
5. COMPRESSOR: SUCTION GAS COOLED SINGLE ROTARY SCREW COMPRESSOR WITH INTERNAL OIL SEPARATION, OIL SIGHT GLASS, MOTOR PROTECTION AND "IMMERSION TYPE" OIL HEATER.
6. CONTROLS: COMPRESSOR CONTACTOR AND OVERLOAD, CONTROL SYSTEM TRANSFORMER 120/1/60, CONTROLLER TRANSFORMER 24/1/60, HIGH AND LOW PRESSURE SENSORS, MANUAL HIGH PRESSURE SAFETY SWITCH, NEMA 1 ELECTRICAL BOX, COMPRESSOR AND TRANSFORMER FUSES.

| CHILLER WEIGHT (SHIP) | WATER HEADERS (BASED ON MAIN FLOW RATE) | VOLT | SCA2-12HE SCREW COMPRESSOR | | | | MCA | RFS | MOP |
|--------------------------|--|------|----------------------------|---------|---------|-----|-----|-----|-----|
| | | | HP | PWS-RLA | PWS-LRA | RLA | | | |
| 3,630 LBS | ø6" | 575 | 120 | 55.0 | 530 | 110 | 138 | 175 | 250 |
| | | 460 | 120 | 68.5 | 663 | 137 | 172 | 225 | 350 |
| | | 230 | 120 | 137.0 | 1434 | 274 | 343 | 450 | 700 |
| | | 208 | 120 | 151.5 | 1434 | 303 | 380 | 450 | 700 |

PWS: PART WINDING START
 RLA: RATED LOAD AMPS
 LRA: LOCKED ROTOR AMPS
 MCA: MIN. CIRCUIT AMPACITY
 RFS: RECOMMENDED FUSE SIZE
 MOP: MAX. OVERLOAD PROTECTION

| TANDEM CHILLERS | | TANDEM CHILLERS | | | | | | |
|---|--------|-----------------|------------|------------------------------------|------------|-----|--|--|
|  | | MODEL NO. | | WCU120SSY | | | | |
| | | TITLE | | WATER COOLED CONDENSING UNIT R134A | | | | |
| SCALE | PROVED | DRAWN | DATE | JOB NO. | DRAWIN NO. | REV | | |
| 1/2"=1'-0" | R.L. | T.Q. | JAN.31, 11 | --- | 31-0065-CU | 1st | | |