SILICON RECTIFIER POWER

CONVERSION UNITS

FOR

LIFTING MAGNET SERVICE

FILNOR CLASS 4010 TYPE FSR FULL-WAVE SILICON RECTIFIER POWER CONVERSION UNITS PROVIDE A SOURCE OF 230 VDC POWER FOR LIFTING MAGNETS ON AC CRANES AND OTHER INSTALLATIONS WHERE A DC BUS IS NOT AVAILABLE.

- 460/3/60 STANDARD INPUT.
- 3KW TO 100KW CAPACITY, 230 VDC OUTPUT VOLTAGE.
- NEMA I VENTILATED ENCLOSURE.
- DESIGNED FOR CONTINUOUS OPERATION AT 100% RATED LOAD, 150% RATED LOAD FOR ONE (1)
 MINUTE OR 200% RATED LOAD FOR TEN (10) SECONDS BOTH PRECEDING AND FOLLOWING CONTINUOUS OPERATION AT RATED LOAD.

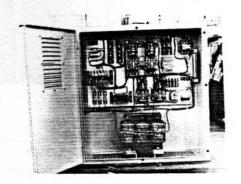
STANDARD UNIT CONSISTS OF:

- 3 SEMICONDUCTOR TYPE FUSES FOR RECTIFIER PROTECTION.
- 1 THREE PHASE, DRY TYPE ISOLATING TRANSFORMER WITH TWO (2) 2½% FULL CAPACITY TAP ABOVE AND TWO (2) 2½% FULL CAPACITY TAP BELOW NORMAL FOR LINE VOLTAGE ADJUSTMENT.
- 1 THREE (3) PHASE, FULL WAVE BRIDGE, SILICON RECTIFIER ASSEMBLY.
- 1 SELENIUM SURGE SUPPRESSOR.
- 2 D.C. OUTPUT LINE FUSES.

OPTIONAL FEATURES:

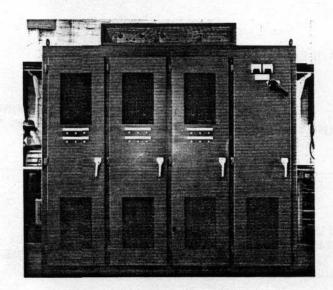
- A. NEMA 3R ENCLOSURES OR CUSTOM ENCLOSURES.
- B. 230/3/60 INPUT, 250 VDC OUTPUT AVAILABLE.
- C. FUSED 3-POLE LINE KNIFE SWITCH.
- D. 3-POLE LINE CIRCUIT BREAKER WITH EXTERNAL ROTARY OPERATING HANDLE.
- E. 3-POLE MAIN LINE AC CONTACTOR WITH TRANSFORMER AND FUSES.
- F. 31/2" O-300 VDC VOLTMETER, WIRED AND MOUNTED ON DOOR.
- G. 3½" 50MV AMMETER, WIRED AND MOUNTED ON DOOR, AND AMMETER SHUNT.
- H. THERMAL OVERLOAD RELAY WITH 3-HEATERS.
- I. START-STOP PUSHBUTTONS, WIRED AND MOUNTED ON DOOR.
- J. THERMAL SWITCHES IN TRANSFORMER WINDING.
- K. 460/3/60 INPUT, 115 VDC OUTPUT AVAILABLE.
- L. ADJUSTABLE DC OUTPUT AVAILABLE.

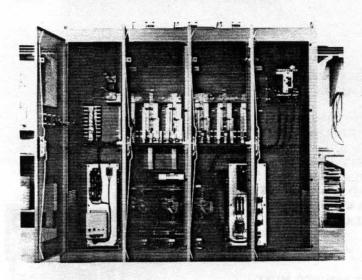
NOTE: RECTIFIERS USED ON LIFTING MAGNET SERVICE MUST BE SIZED TO SUPPLY CURRENT DRAWN BY A COLD MAGNET (25° C). COLD CURRENT IS GENERALLY RATED 30-50% HIGHER THAN OPERATING CURRENT.

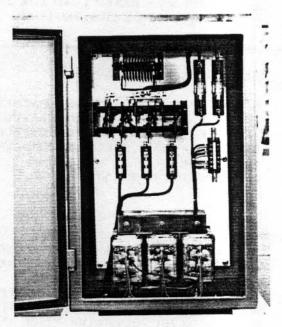


ORDERING INFORMATION REQUIRED:

- 1. FILNOR CLASS 4010, KILOWATTS REQUIRED.
- 2. SYSTEM INPUT VOLTAGE, FREQUENCY, AND OUTPUT VOLTAGE.
- 3. ENCLOSURE TYPE.
- 4. MAGNET COLD CURRENT.
- 5. OPTIONS REQUIRED.







ACCESSORIES: