

Incoming Power from MCC 575/600V/60Hz/3 Phase; Supply Cable type TECK with mettalic jacket 3+1 Size AWG 8; Length <100 Ft. Supply Section in MCC have to Provide Disconnector 63A/600V/60Hz; Fast Blowing Fuses 3x30A type 2C (CC); Control Transformer 600VAC/110VAC max 1A - Fused;

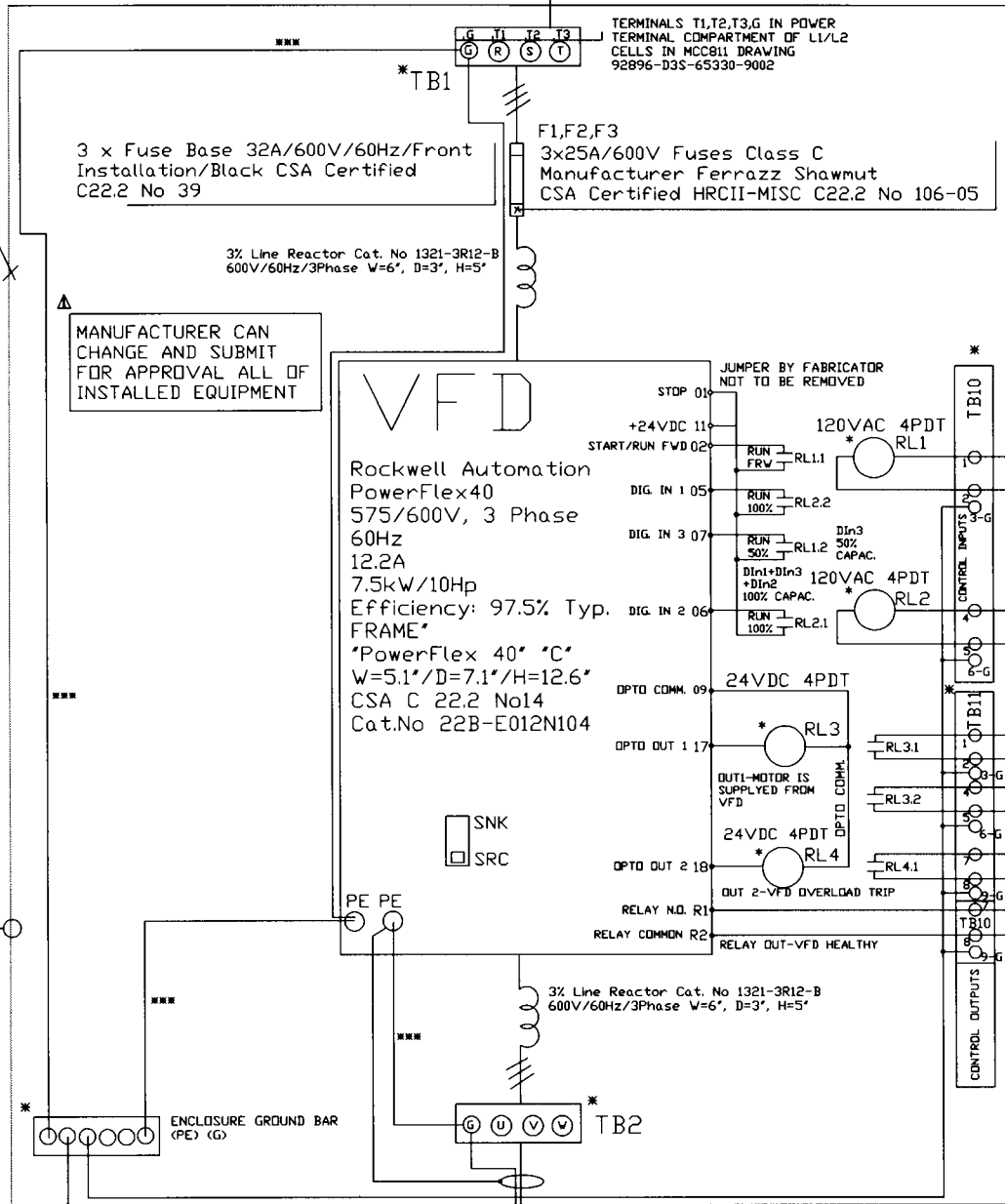
VARIABLE FREQUENCY DRIVE ONE LINE WIRING DIAGRAM

Typical Customer Configured Packaged Drive  
10 HP; 3PH; 600 VAC; 60 Hz; Fan Motor;  
3 fixed speeds - 0 Rpm; 50% and 100% from nameplate Rpm;

ON THE FRONT DOOR OF THE ENCLOSURE LABELS FOR HIGH VOLTAGE AND DOUBLE POWER SUPPLY AND PANEL NO TO BE INSTALLED BY CUSTOMER AND MANUFACTURER SPECIFICATIONS

Variable Frequency Drive (VFD) ENCLOSURE, Class EEMAC 12, COMPLIANCE CSA Standard C22.2 No94, Preliminary sizes 24"x36"x12" N12-362412 by Nomenclature of RALSTON METAL PRODUCT LTD, GUELPH, ON

MANUFACTURER CAN CHANGE AND SUBMIT FOR APPROVAL ALL OF INSTALLED EQUIPMENT



NEW BARE STRANDED COPPER GROUND WIRE AWG#10 TO STAR CENTER AND ENCLOSURE of the HV Transformer

TERMPPOINT OVER BUILDING METAL FRAME

CONSTRUCTION GROUND

BARE STRANDED COPPER GROUND WIRE

- \* By Manufacturer Specification
- \*\* All distances between enclosure and installed hardware to follow Rockwell Automation Publication 22B-UM001B-EN-E October 2005, Chapter 1, Part Mounting Consideration Minimum Mounting Clearance, with respect to Table 1.A for Ambient To=+40C(104oF) Option B 120mm (4.7") NOTE: If the sizes of the ENCLOSURE are smaller a step up size to be selected.

\*\*\* ALL SINGLE INSTALLED INTERNALLY GROUND WIRES ARE STRANDED COPPER WITH AWG 10; PVC INSULATION; GREEN COLOUR; AMBIENT To 90oC; 1000V; ON GROUND BARS END WIRE BOOTS TYPE "D" "TONGUE" WITH RESPECT TO THE GROUND BAR SCREW SIZES; IN TERMINAL BLOCKS FERRULES TO BE USED.

CABLE BELDEN 29503 AWG 10 - 1000V CSA AWM I/II A/B FT4 VFD FLEXIBLE MOTOR SUPPLY CABLE; 3 STRANDED TC CIRCUIT CONDUCTORS + 1 FULL SIZED PVC INSULATED GROUND; BLACK NUMBERED GROUND; 95% BRAID AND 100% BELDFOIL SHIELD; 150X30 CONDUCTOR STRANDING; PVC OVERALL JACKET; BLACK; Installed in plastic flex;

GE MOTORS; HP 10; HERTZ 60; Serv. Factor 1.15; VOLTS 575; PHASE 3; TIME CONT; AMP 10.6; CODE H; DESIGN B; CSA ENCL. DP; MAX AMB To 40oC; NEMA NDM Eff 88.5;

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DRAWING No 00001-00001

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