


CUSTOMER WIRING REQUIREMENTS

- FOR 0 TO 100 AMPS, USE A MINIMUM OF 60° - 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)
- FOR ABOVE 100 AMPS, USE A MINIMUM OF 75° C COPPER WIRE. (USE COPPER CONDUCTORS ONLY)

| TABLE 1 | | | A.C. LINE WIRING | | | | | | | |
|---|------|------|------------------------------------|-----------------------|---------------------------|-----------------------------|---|-----------------------|---------------------------|-----------------------------|
| HV600 BYPASS MODEL NO. BASE NUMBER H6B1XXXX | | | WITH OPTION PM CIRCUIT BREAKER CB1 | | | | OR, STANDARD NON-FUSED DISCONNECT SWITCH S1 | | | |
| 208V | 240V | 480V | MFG. PART NUMBER | CURRENT RATING (AMPS) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) | MFG. PART NUMBER | CURRENT RATING (AMPS) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) |
| D002 | A002 | B1P1 | H_36015 | 15 | 14 - 10 OR 8 - 3/0 | 50 OR 120 | V0 | 20 | 14 - 8 | 19 |
| D003 | A003 | B001 | | | | | | | | |
| D004 | A004 | B002 | | | | | | | | |
| | | B003 | | | | | | | | |
| | | B004 | | | | | | | | |
| D007 | A006 | B007 | H_36020 | 20 | | | | | | |
| D010 | A009 | B011 | H_36025 | 25 | | | | | | |
| | A015 | B014 | H_36035 | 35 | | | | | | |
| D016 | | | H_36040 | 40 | | | | | | |
| | A022 | B021 | H_36050 | 50 | | | V3 | 45 | 10 OR 8 | 35 OR 40 |
| D024 | | B027 | H_36060 | 60 | | | | | 6 - 2 | OR 50 |
| | A028 | | H_36070 | 70 | | | | | | |
| D030 | | B034 | | | | | V4 | 63 | | |
| | | B040 | H_36080 | 80 | | | | | | |
| | A042 | | H_36100 | 100 | | | | | | |
| D046 | | B052 | H_36110 | 110 | | | | | | |
| D059 | A054 | | H_36125 | 125 | | | | | | |
| | A068 | B065 | H_36150 | 150 | | | | | 8 - 2/0 | 200 |
| D074 | A080 | | | | | | | | | |
| D088 | | B077 | | | | | | | | |
| | | B096 | | | | | | | | |
| D114 | A104 | | | | | | V5 | 100 | | |
| | | B124 | J_36250 | 250 | 4 - 4/0 | 225 | | | | |
| | A130 | | | | | | | | | |
| D143 | A154 | B156 | | | 3/0 - 350 kcmil | | J_36000S15 | 150 | 14 - 10 OR 8 - 3/0 | 50 OR 120 |
| D169 | | B180 | | | | | J_36000S17 | 175 | 4 - 4/0 | 225 |
| | A192 | | L_36400U31X | 400 | (1-2) x (2/0 - 500 kcmil) | (1-2) x 442 | J_36000S25 | 250 | 3/0 - 350 kcmil | |
| D211 | | | | | | | | | | |
| D273 | A248 | B240 | L_36600U31X | 600 | | | L_36000S40X | 400 | (1-2) x (2/0 - 500 kcmil) | (1-2) x 442 |
| | | B302 | | | | | L_36000S60X | 600 | | |

| TABLE 2 | | | A.C. MOTOR WIRING | | | EARTH GROUND WIRING | | CONTROL WIRING | | | | | | | |
|---|------|------|--|---------------------------------|-----------------------------|--|--|---------------------------------|-----------------------------|----------------------------|-----------------------------|------------------------------------|-----------------------------|--------------------------|-----------------------------|
| HV600 BYPASS MODEL NO. BASE NUMBER H6B1XXXX | | | WITH STANDARD MOTOR TERMINAL BLOCK TB3 | | | GROUND LUG | | A1 TERMINAL BLOCKS TB1, TB3-TB6 | | A1 TERMINAL BLOCK TB2 (FE) | | A2 TERMINAL BLOCKS TB1-TB4 AND TB6 | | PANEL TERMINAL BLOCK TB4 | |
| 208V | 240V | 480V | MFG. PART NUMBER | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) | WIRE SIZE RANGE (AWG) | TIGHTENING TORQUE (LB.-IN.) |
| D002 | A002 | B1P1 | NDN111A-WH | 14 - 2 | 32 | 14 - 10 OR 8 OR 6 - 4 OR 2 | 35 OR 40 OR 45 OR 50 | 24 - 16 | 4.4 - 5.3 | 24 - 18 | 4.85 - 10.62 | 26 - 14 | 4 | 26 - 10 | 5.3 - 7.1 |
| D003 | A003 | B001 | | | | | | | | | | | | | |
| D004 | A004 | B002 | | | | | | | | | | | | | |
| D007 | A006 | B003 | | | | | | | | | | | | | |
| D010 | A009 | B004 | | | | | | | | | | | | | |
| D016 | A015 | B007 | | | | | | | | | | | | | |
| D024 | A022 | B011 | | | | | | | | | | | | | |
| D030 | A028 | B014 | | | | | | | | | | | | | |
| D046 | A042 | B021 | | | | | | | | | | | | | |
| D059 | A054 | B027 | | | | | | | | | | | | | |
| | A068 | B034 | | | | | | | | | | | | | |
| | | B040 | | | | | | | | | | | | | |
| | | B052 | | | | | | | | | | | | | |
| | | B065 | | | | | | | | | | | | | |
| D074 | A080 | B077 | MPDB63153 | 14 - 8 OR 6 - 2/0 | 50 OR 120 | | | | | | | | | | |
| D088 | A104 | B096 | | | | | | | | | | | | | |
| D114 | | | 1323572 | 14 - 10 OR 8 OR 6 - 2/0 | 35 OR 40 OR 120 | | | | | | | | | | |
| | A130 | B124 | MPDB67523 | (1-2) x (6) OR (4) OR (3 - 4/0) | (1-2) x 80 OR 100 OR 150 | | | | | | | | | | |
| D143 | A154 | B156 | 1333126 | 6 - 350 kcmil | 275 | | | | | | | | | | |
| D169 | | | | | | | | | | | | | | | |
| | A192 | B180 | | | | 14 - 2/0 | 120 | | | | | | | | |
| D211 | A248 | B240 | MPDB69093 | (1-2) x (4 - 500 kcmil) | (1-2) x 500 | | | | | | | | | | |
| D273 | | B302 | | | | | | | | | | | | | |

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|-----------|------------------|-------|----------|---------|---|------------|------------|---|--------|
| REV. | DESCRIPTION | ECO # | DRAWN BY | DATE | | K. MALUSIC | 6/10/20 | CUSTOMER CONNECTION HV600 BYPASS TYPE 1 | |
| 01 | ADDED B1P1 MODEL | 12039 | RJJ | 5/20/22 | | K. PEOPLES | 6/10/20 | | |
| 00 | INITIAL RELEASE | - | KM | 6/10/20 | | TECH: | DATE: | | |
| | | | | | APPROVED: | DATE: | SIZE: | REVISION: | PAGE: |
| | | | | | R. JENSEN | 6/10/20 | C | 01 | 1 of 1 |
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