

Series 5 Micro Inverter Supplemental Information

IMPORTANT: The following information and instructions are to be used as a supplement to the Installation and Operation Manual (Part No. MN781) until the new manual is available with the addition of Model ID5602-CO. The manual must be read and understood before attempting to operate this control.

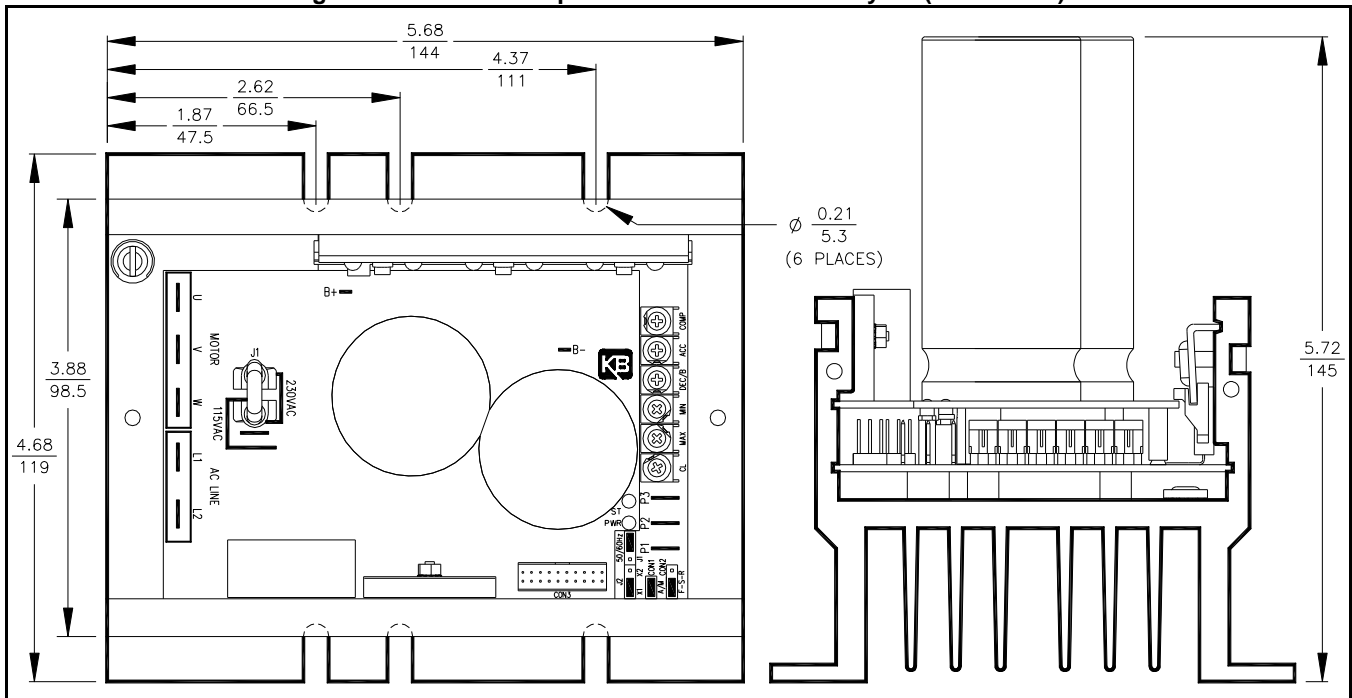
Table 1 - Electrical Ratings

Catalog No.	Input Voltage (Volts AC - 50/60 Hz)	Nominal Output Voltage (Volts AC)	Maximum Horsepower Rating (HP (kW))	Maximum Continuous Output Load Current (RMS Amps/Phase)	Maximum AC Line Input Current (Amps AC)
ID5602-CO	115/230	0 - 230	1½* (1.13)	5.5**	22.0/14.0

Notes: * The control can operate most premium efficiency motors rated 2 HP.

** CL Trimpot Range (Amps AC): 3.5 - 10.5 (Factory Setting: 8.8).

Figure 1 - Mechanical Specification and Control Layout (Inches/mm)



The control is shown set for 115 Volts AC line input (Jumper J1 in the "115V" position).
For 230 Volts AC line input, set Jumper J1 to the "230V" position (factory setting).

1. Setting Selectable Jumpers

This control has customer selectable jumpers which may have to be set before the control can be used. See Mechanical Specifications and Control Layout, above, for the location of jumpers.

WARNING! Disconnect the AC line before changing position of jumpers.

1-1. AC Line Input Voltage Selection (Jumper J1 on Upper PC Board): The ID5602-CO can operate standard 208 - 230 Volt AC - 50/60 Hz - 3Φ induction motors from either 115 or 208/230 Volt - 50/60 Hz - 1Φ AC line input. The control is factory set to operate from a 208/230 Volt AC line input (Jumper J1 in the "230V" position). To operate the control from a 115 Volt AC line input, set Jumper J1 to the "115V" position. See Figures 2A and 2B, on next page.

WARNING! Do not change jumper position with the AC line connected.

WARNING! Be sure proper input voltage is applied to the control corresponding to jumper setting. Connecting a 230 Volt AC line with Jumper J1 set to the "115V" position will permanently damage the control. "115VAC" and "230VAC" labels are provided. Use the appropriate label to identify the correct input voltage after setting Jumper J1. See Figures 2A and 2B on page 2 of this supplement.

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Figure 2A
Control Set for 230 Volts AC Line Input
(Factory Setting)
(Jumper J1 in the "230V" Position)

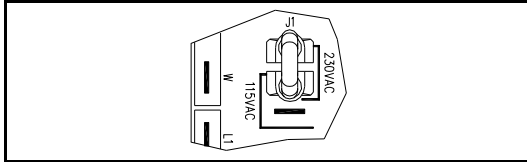
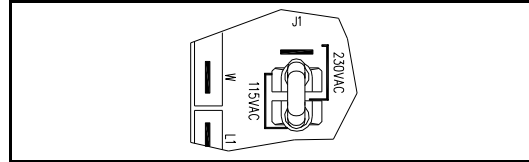


Figure 2B
Control Set for 115 Volts AC Line Input
(Jumper J1 in the "115V" Position)



1-2. Motor Frequency Selection (Jumpers J1 and J2, on the Lower PC Board): The controls are factory set to operate 60 Hz motors (Jumper J1 factory set to the "60Hz" position and Jumper J2 factory set to the "X1" position). To operate 50 Hz motors, set Jumper J1 to the "50Hz" position. (Be sure that Jumper J2 is set to the "X1" position.) To operate 120 Hz motors, be sure that Jumper J1 is set to the "60Hz" position and set Jumper J2 to the "X2" position. To operate 100 Hz motors, set Jumper J1 to the "50Hz" position and set Jumper J2 to the "X2" position. See Figure 3 below.

Figure 3 - Motor Frequency Selection (Jumpers J1 and J2)

60 Hz Motor Operation (Factory Setting)	50 Hz Motor Operation	120 Hz Motor Operation	100 Hz Motor Operation

1-3. Other Jumpers: For other jumper settings, see the manual.

2. AC Line Fusing

Install a fuse or circuit breaker in the AC line. Fuse each conductor that is not at ground potential. See Section VI, on page 19 of the manual. See Table 2 below.

Table 2 - Fuse Selection Chart

AC Line Voltage (Volts AC)	Maximum AC Line Current (Amps AC)	AC Line Fuse (Amps)
115	22.0	30
230	14.0	20

3. Trimpot Adjustments

All trimpots have been factory set for most applications, as described in Section IX, on pages 22 - 27 of the manual. The figure below shows the CL trimpot setting, which will be added to Section IX-E, on page 24 of the manual. See Mechanical Specifications and Control Layout, above, for the location of trimpots. See Figure 4 below.

Figure 4 - CL Settings

