

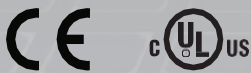
Conduit Box

For RSi “S” Series

Variable Frequency Drive

Instruction Manual

890049-14-00



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BENSHAW
Applied Motor Controls

Safety Information

Read and follow all safety instructions in this manual to avoid unsafe operating conditions, property damage, personal injury, or death.

Safety symbols in this manual

Danger

Indicates an imminently hazardous situation which, if not avoided, will result in severe injury or death.

Caution

Indicates a potentially hazardous situation which, if not avoided, could result in injury or death.

Warning

Indicates a potentially hazardous situation that, if not avoided, could result in minor injury or property damage.

Danger

- Do not open the cover of the equipment while it is on or operating. Likewise, do not operate the inverter while the cover is open. Exposure of high voltage terminals or charging area to the external environment may result in an electric shock.
- Do not remove any covers or touch the internal circuit boards (PCBs) or electrical contacts on the product when the power is on or during operation. Doing so may result in serious injury, death, or serious property damage.
- Do not open the cover of the equipment even when the power supply to the inverter has been turned off unless it is necessary for maintenance or regular inspection. Opening the cover may result in an electric shock even when the power supply is off.
-
- The equipment may hold charge long after the power supply has been turned off. Use a multi-meter to make sure that there is no voltage before working on the inverter, motor or motor cable.

Caution

- Do not modify the interior workings of the inverter. Doing so will void the warranty.
- The inverter is designed for 3-phase motor operation. Do not use the inverter to operate a single phase motor.
- Do not place heavy objects on top of electric cables. Doing so may damage the cable and result in an electric shock.

Warning

- This equipment must be grounded for safe and proper operation.
- Do not supply power to a faulty inverter. If you find that the inverter is faulty, disconnect the power supply and have the inverter professionally repaired.
- The inverter becomes hot during operation. Avoid touching the inverter until it has cooled to avoid burns.

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1 Product Overview

This installation guide is for the Conduit Box Option for the “S” Series inverter.

With the installed Conduit Box Option, the inverter meets UL Type 1 specifications.

2 Before using the Product

Perform the following tasks after receiving the Conduit Option.

- Inspect the conduit option for damage. If the conduit option appears damaged upon receipt, contact the shipper immediately.
- Check that the model number is the same as that on the package.

3 Conduit Box Option - Part Numbers

Conduit Box Part #	230V Applicable VFD
EN-100994-00	VFD-RSI-001-SS-2C
EN-100994-00	VFD-RSI-002-SS-2C
EN-100994-01	VFD-RSI-003-SS-2C
EN-100994-01	VFD-RSI-005-SS-2C
EN-100994-02	VFD-RSI-007-SS-2C
EN-100994-03	VFD-RSI-010-SS-2C
EN-100994-03	VFD-RSI-015-SS-2C
Conduit Box Part #	460V Applicable VFD
EN-100994-04	VFD-RSI-001-SS-4C
EN-100994-04	VFD-RSI-002-SS-4C
EN-100994-05	VFD-RSI-003-SS-4C
EN-100994-05	VFD-RSI-005-SS-4C
EN-100994-06	VFD-RSI-007-SS-4C
EN-100994-03	VFD-RSI-010-SS-4C
EN-100994-03	VFD-RSI-015-SS-4C

4 Installation Procedure

4.1 1 HP ~ 7.5 HP

- ① Remove the I/O cover and cable guide from the inverter as shown in the Figure 1.

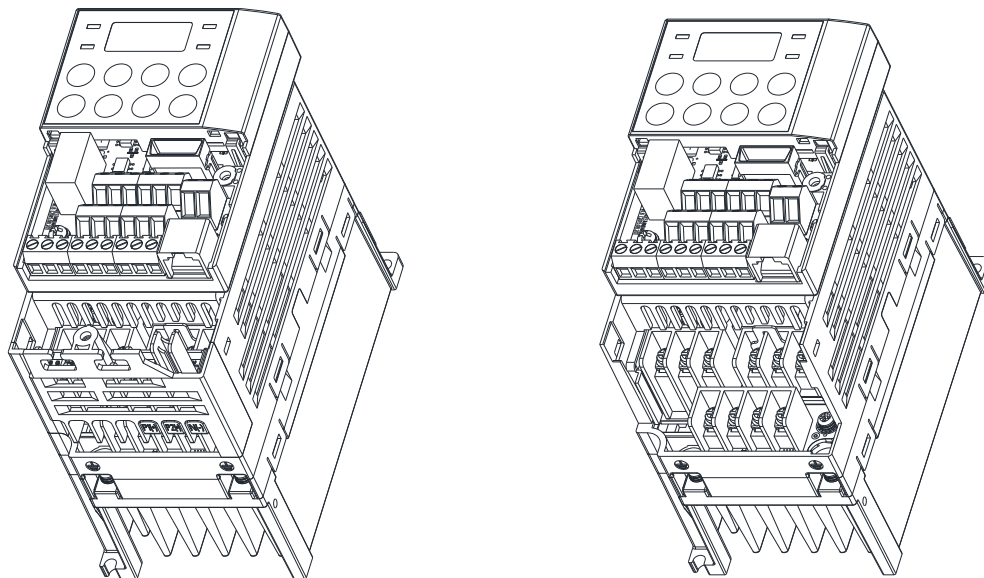


Figure 1. Remove I/O Cover and Cable Guide

- ② Fasten the Conduit Box Option to the ground terminals at the specified locations as shown in the Figure 2.

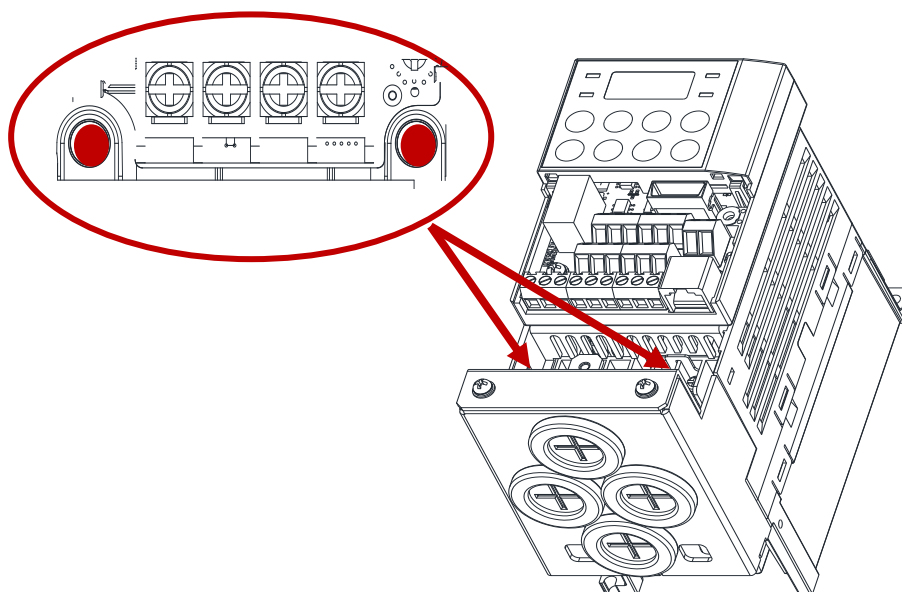


Figure 2. Installation - Front View

- ③ Re-install the I/O cover..

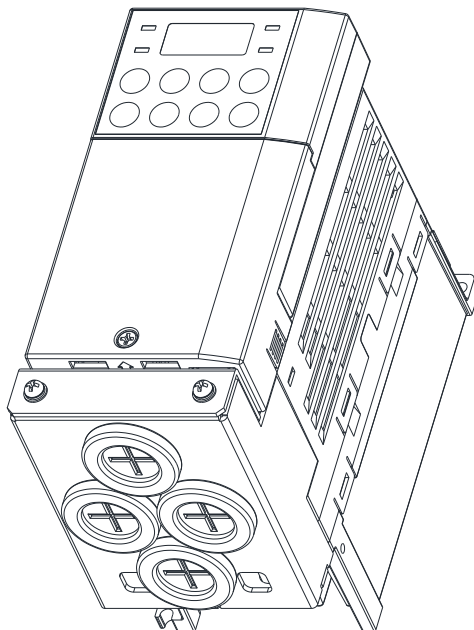


Figure 3. After installation

4.2 10 HP - 15 HP

- ① Remove the power cover and cable guide from the inverter as shown in the Figure 4.

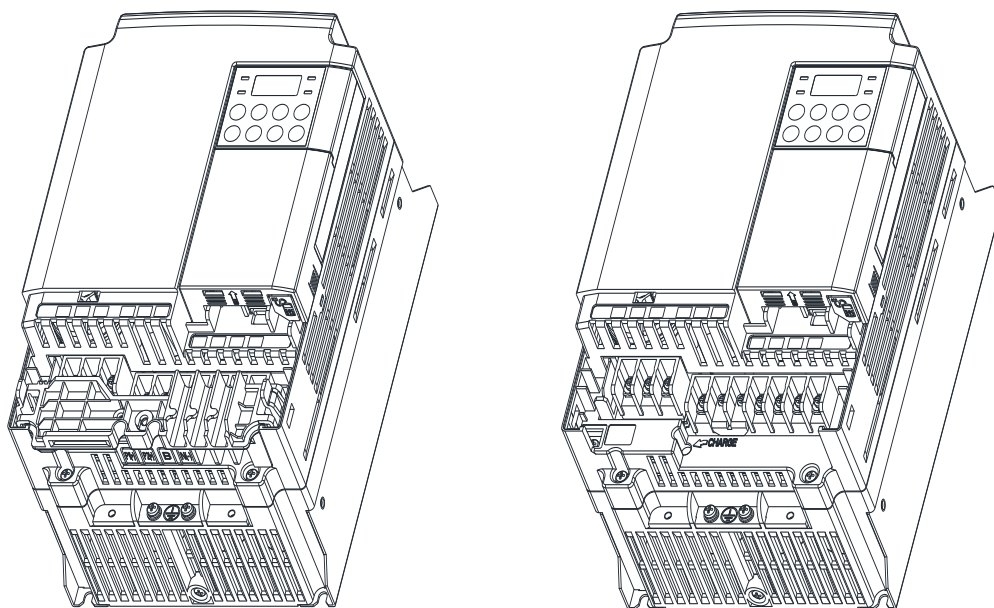


Figure 4. Remove Power Cover and Cable Guide

- ② Fasten the Conduit Box Option at the sides of the ground terminals at the specified locations as shown in the Figure 5.

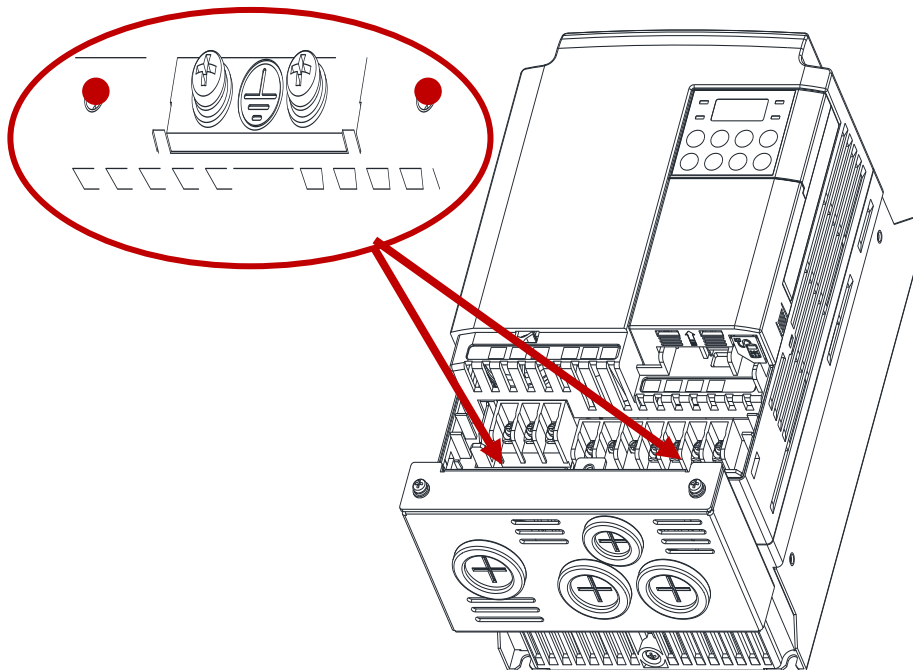


Figure 5. Installation - Front View

- ③ Re-install the Power cover.

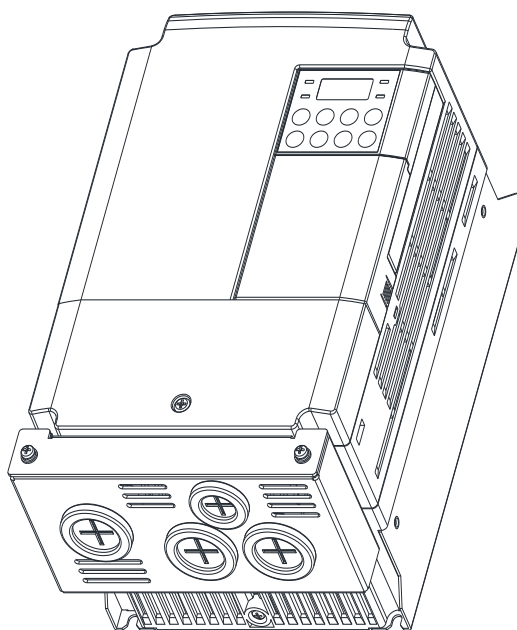
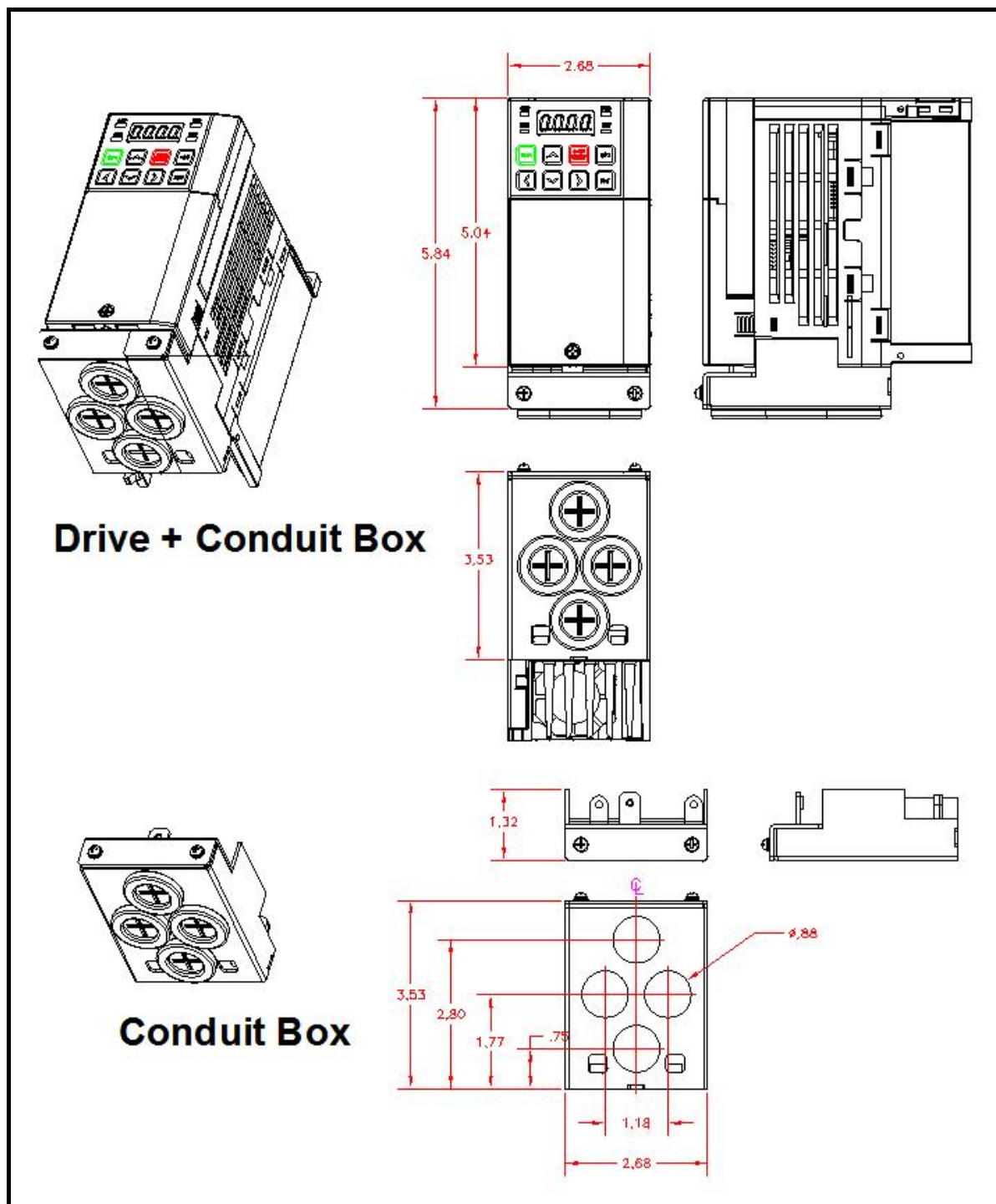


Figure 6. After installation

5 Dimensional Drawings

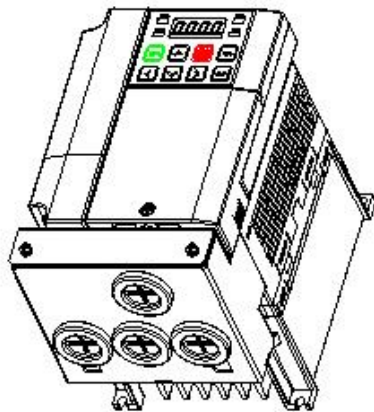
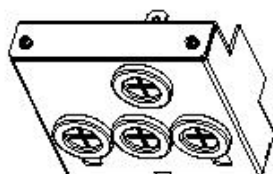
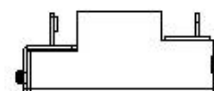
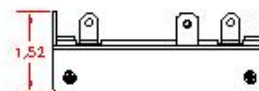
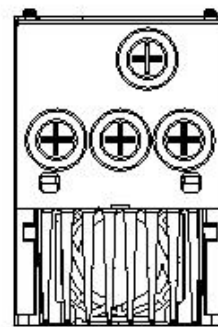
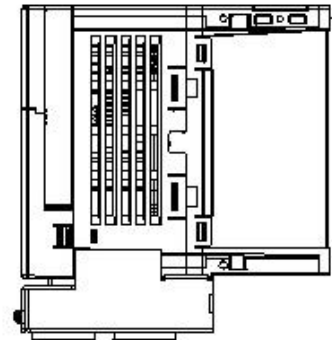
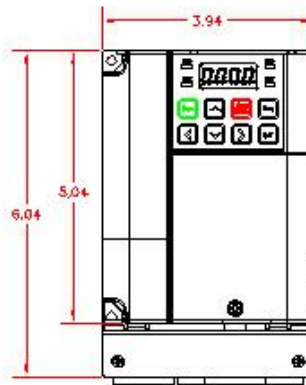
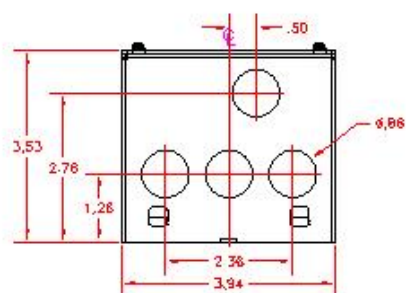
5.1 EN-100994-00

5.1.1 230V, 1 HP - 2 HP



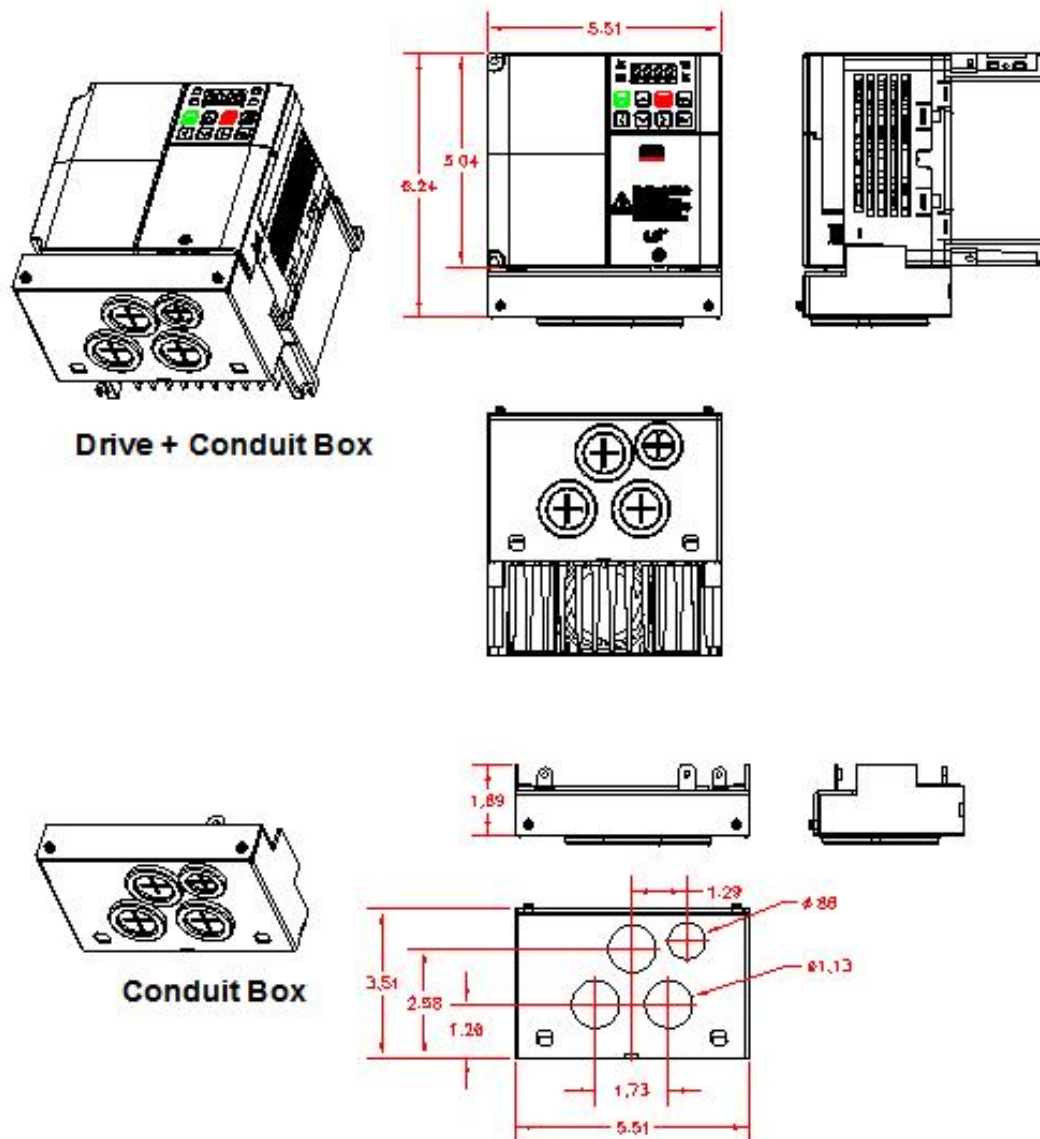
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5.2.1 230V, 3 HP - 5 HP

**Drive + Conduit Box****Conduit Box**

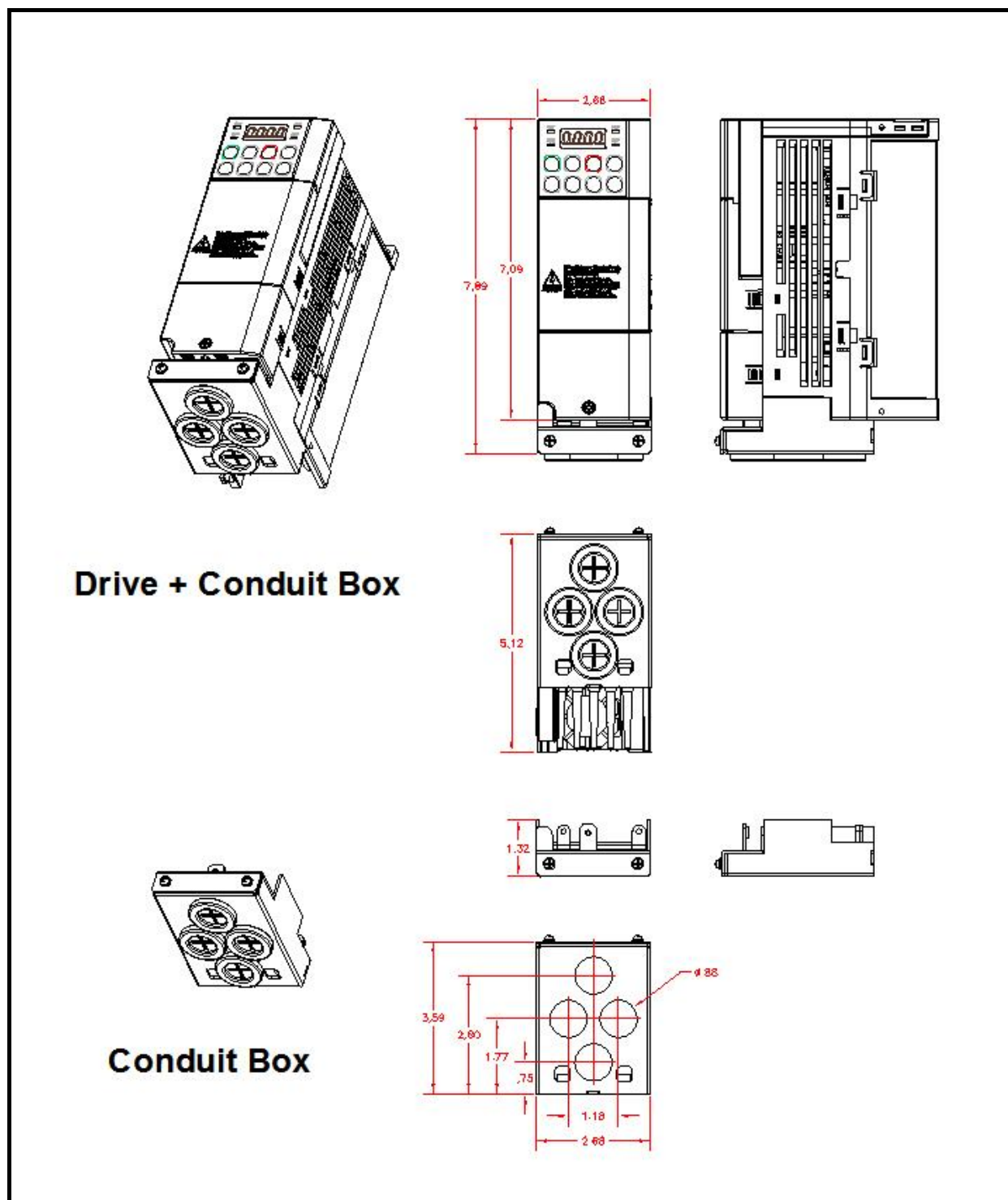
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5.3.1 230V, 7.5 HP



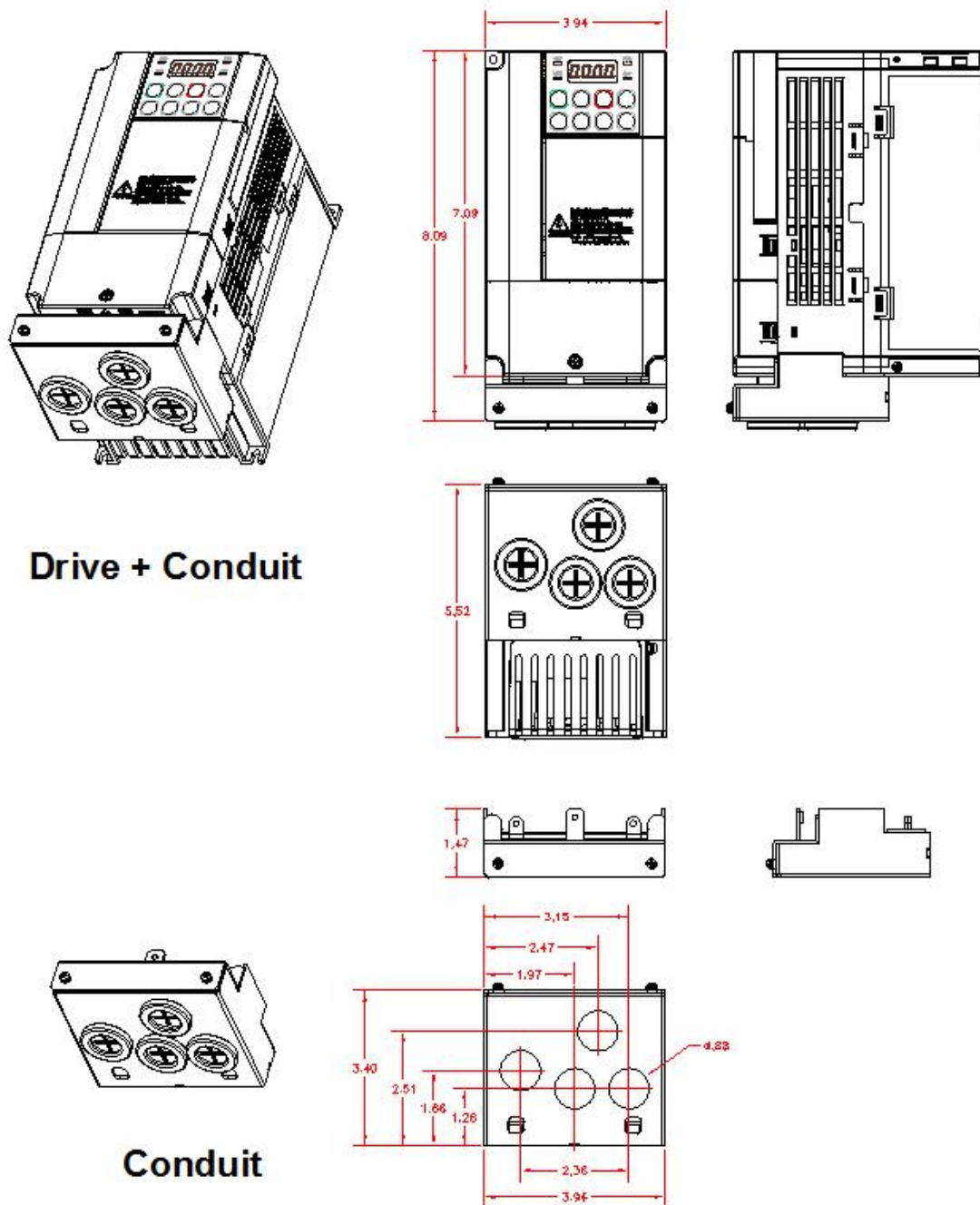
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5.4.1 460V, 1 HP - 2 HP



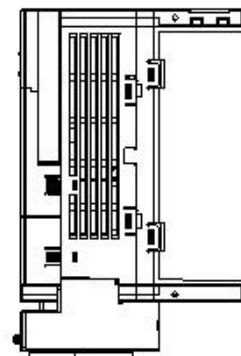
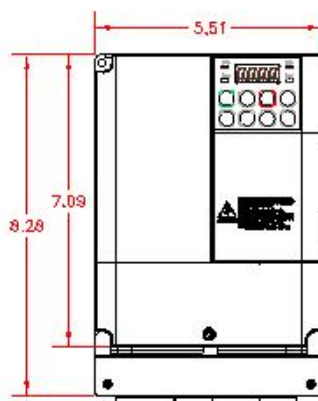
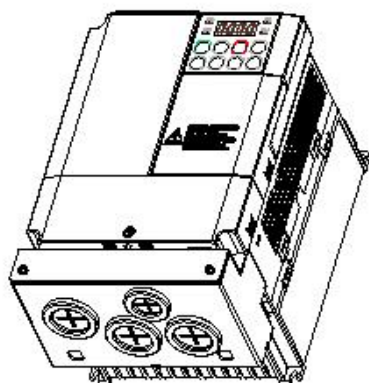
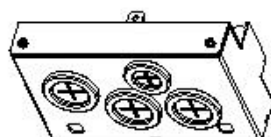
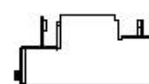
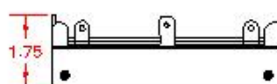
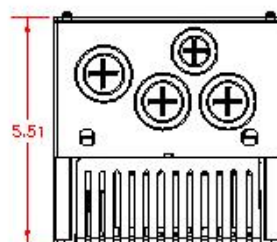
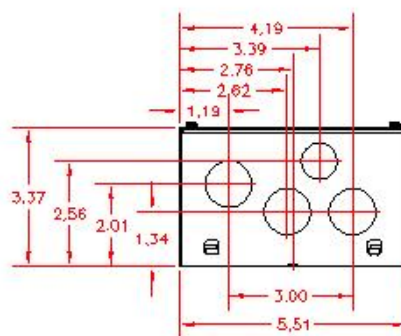
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5.5.1 460V, 3 HP - 5 HP



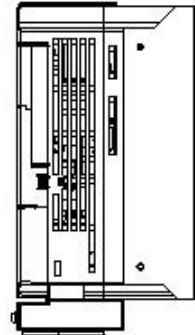
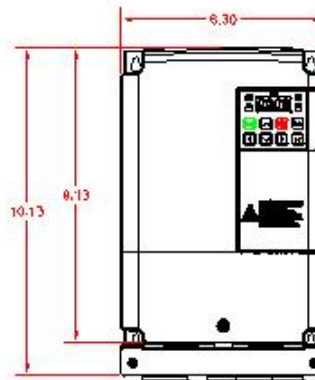
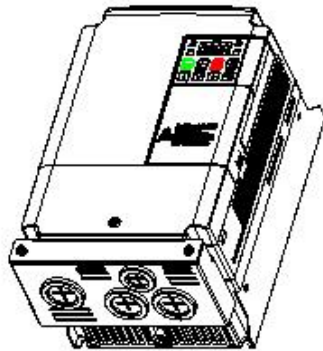
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5.6.1 460V, 7.5 HP

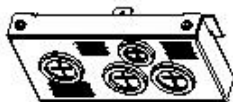
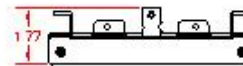
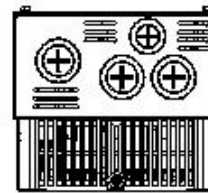
**Drive + Conduit Box****Conduit Box**

5.7 EN-100994-03

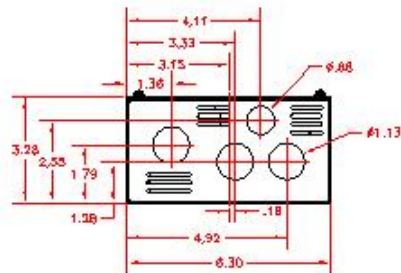
5.7.1 230V, 10 HP - 15 HP and 460V, 10 HP - 15 HP



Drive + Conduit Box



Conduit Box



6 Revision History

No	Date	Edition	Changes
0	03/08/2021	Initial Release	-



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