

***ADDENDUM TO***

***INSTALLATION AND***

***OPERATIONAL***

***MANUAL***

**SV3000 SERIES**

Detailed changes to software programs are introduced frequently. Please ensure that this manual refers to the software version you are using.

For your safety and for proper operation, please take time to carefully read all instructions before installing and operating this unit.

**Danaher Motion**  
**Engineered Systems Center**

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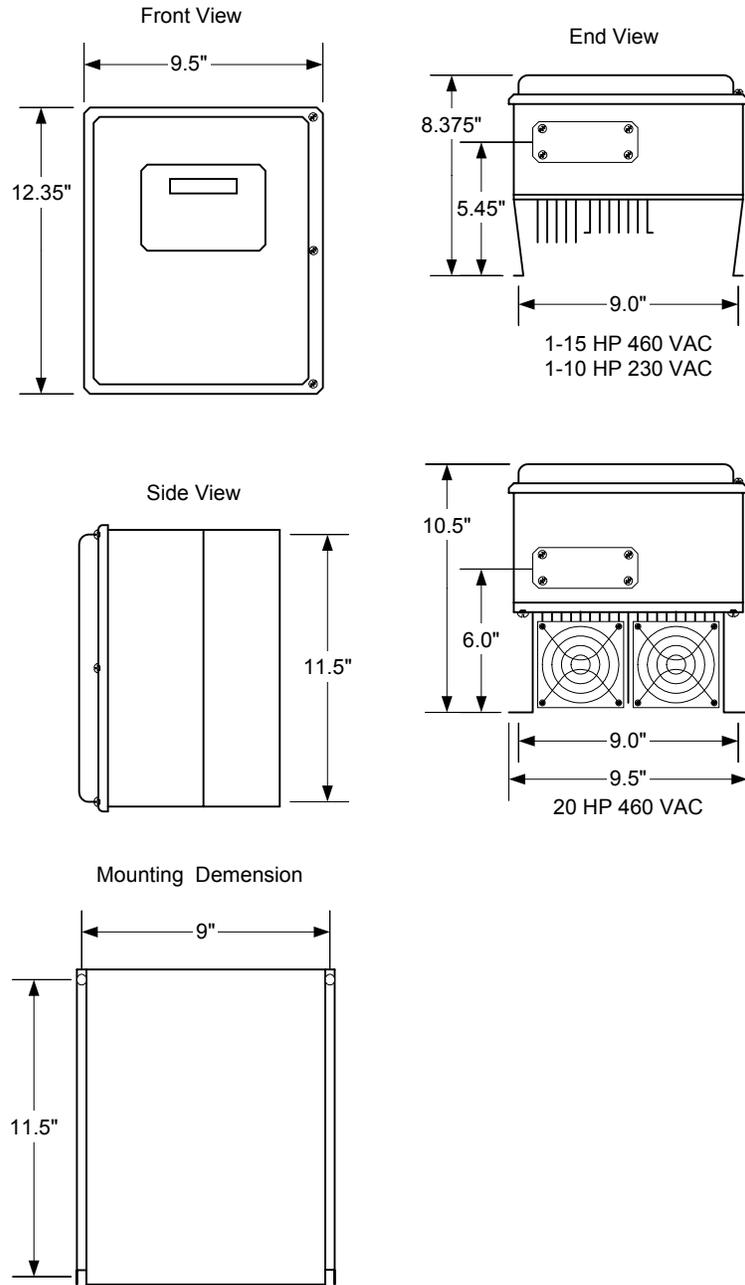


Figure 1A - SV3000 DIMENSIONS FOR 1-20HP/460VAC & 1-10HP/230VAC- REFER TO PAGE 6

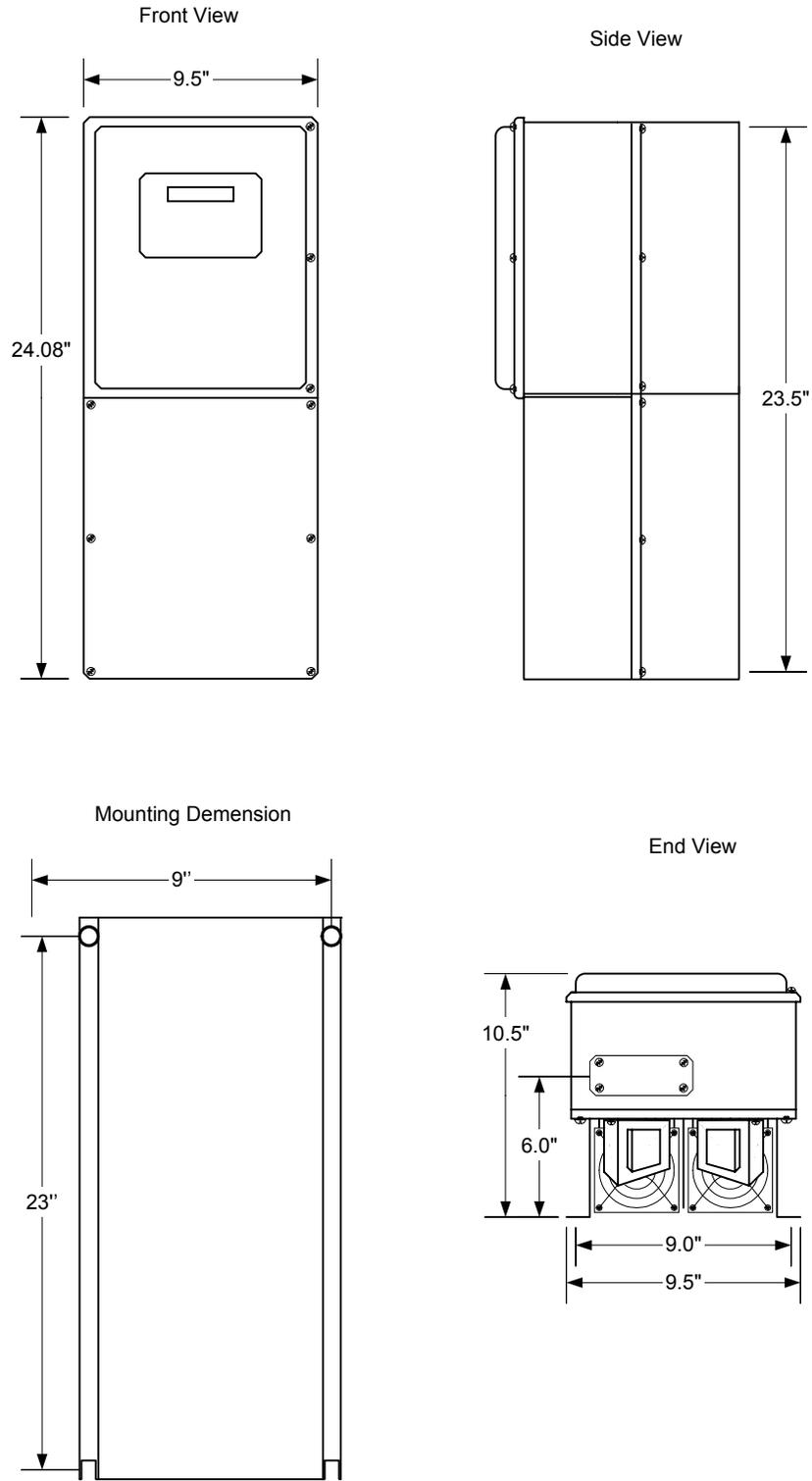


Figure 1A - SV3000 DIMENSIONS FOR 25-40HP/460VAC & 15-20HP/230VAC- REFER TO PAGE 6

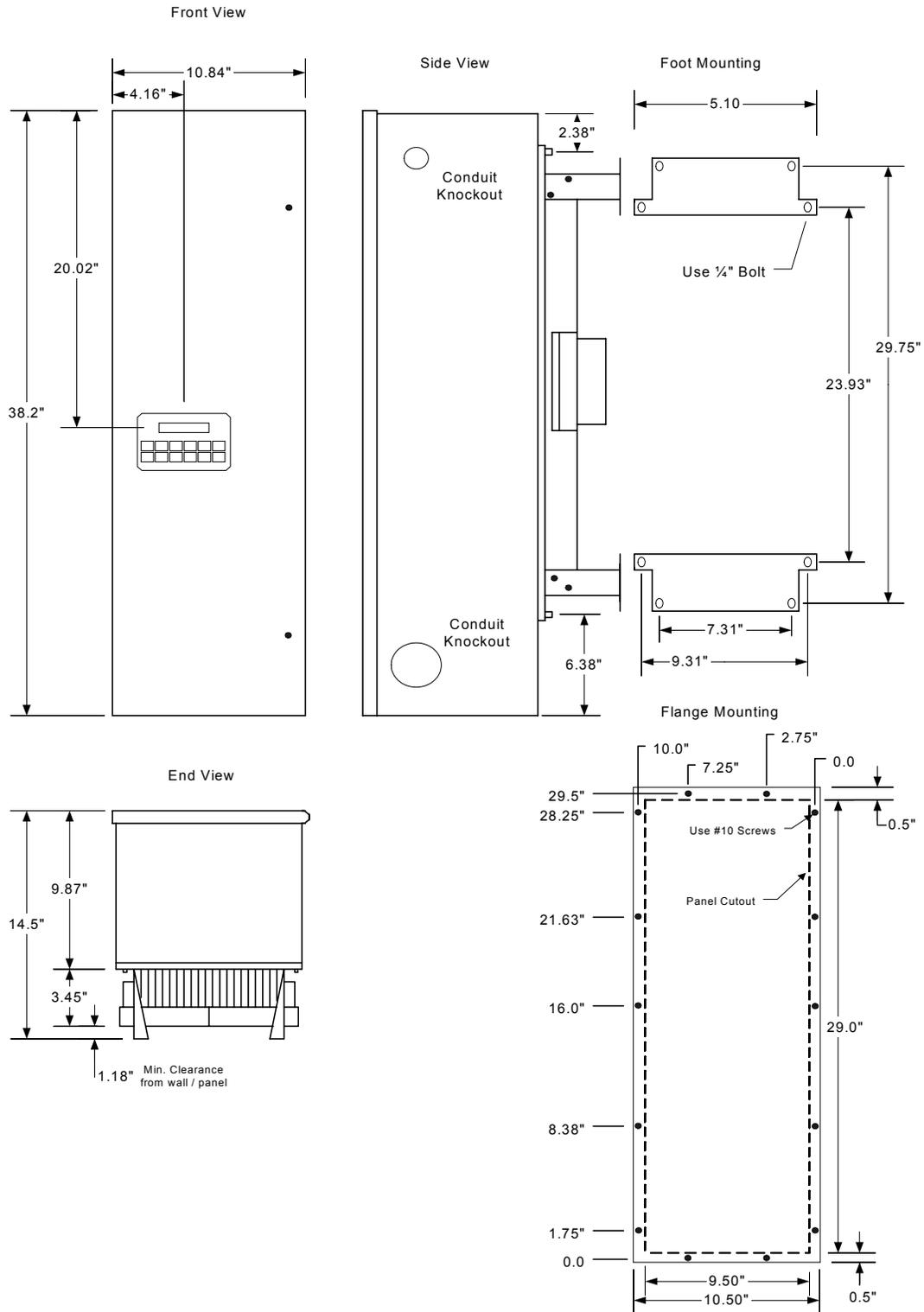


Figure 1B - SV3000 DIMENSIONS FOR 50-125HP/460VAC - REFER TO PAGE 6

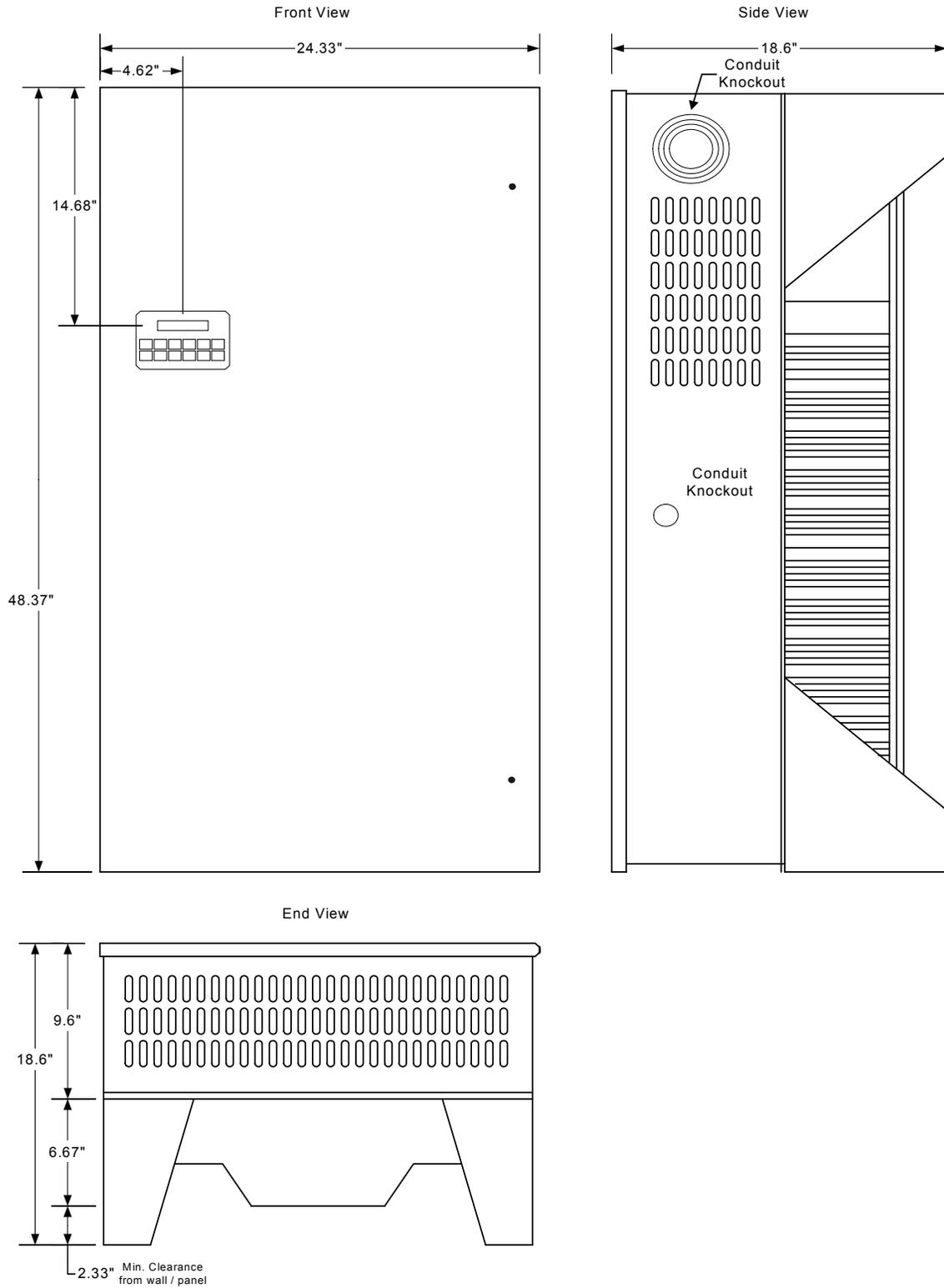


Figure 1B - SV3000 DIMENSIONS FOR 150-350HP/460VAC – REFER TO PAGE 6

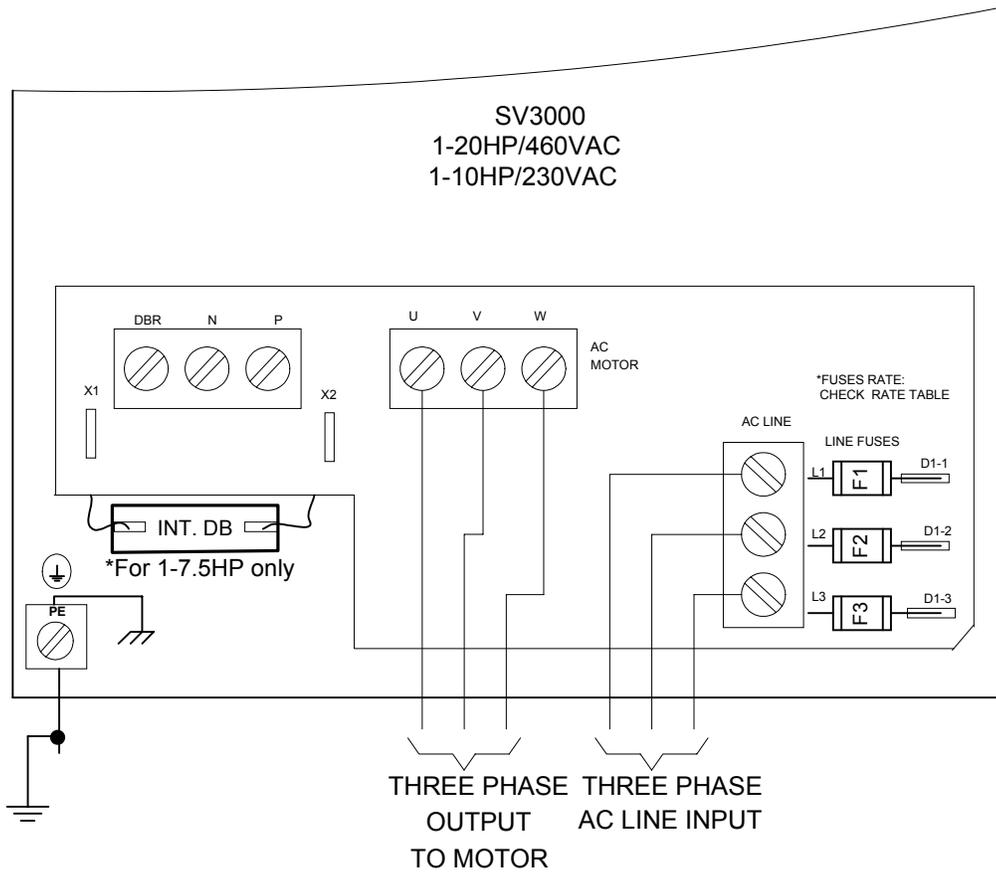


Figure 2A – POWER AND MOTOR CONNECTION FOR 1-20HP/460VAC & 1-10HP/230VAC  
RERFER TO PAGE 24

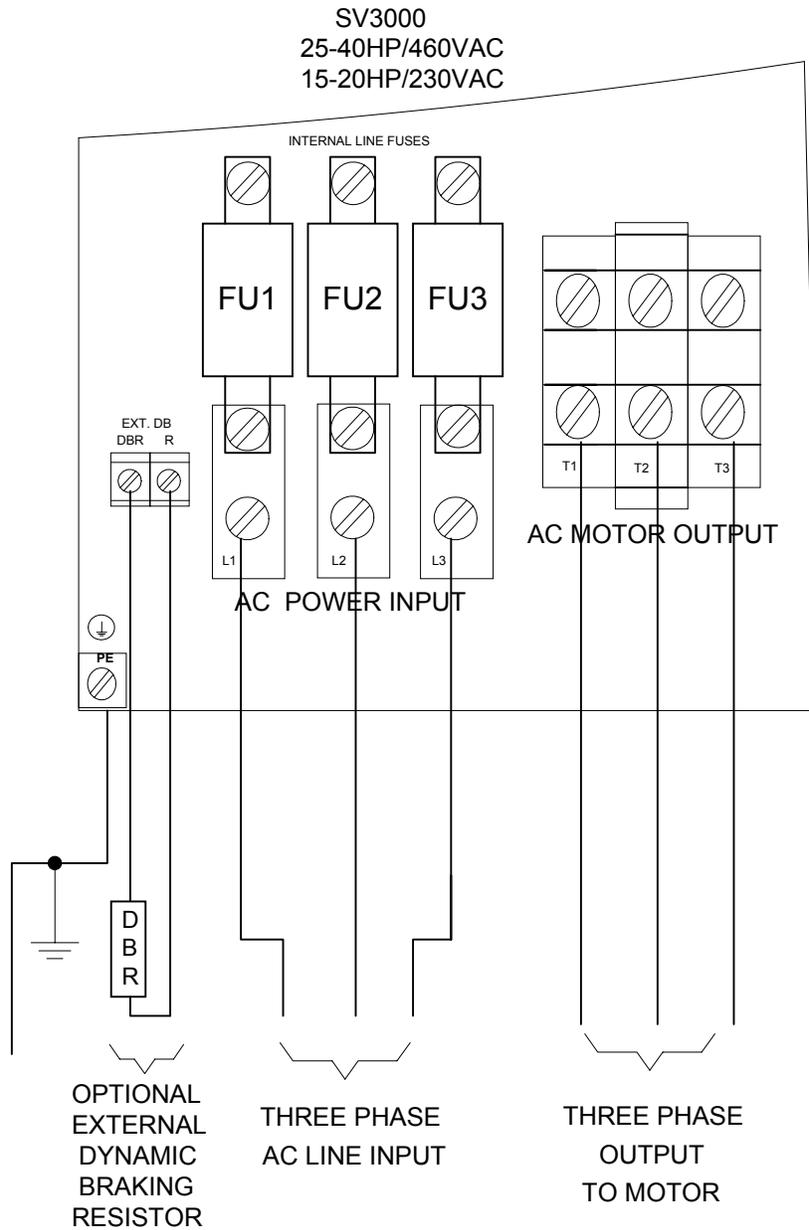


Figure 2B – POWER AND MOTOR CONNECTION FOR 25-40HP/ 460VAC & 15-20HP/230VAC-  
REFER TOPAGE 24

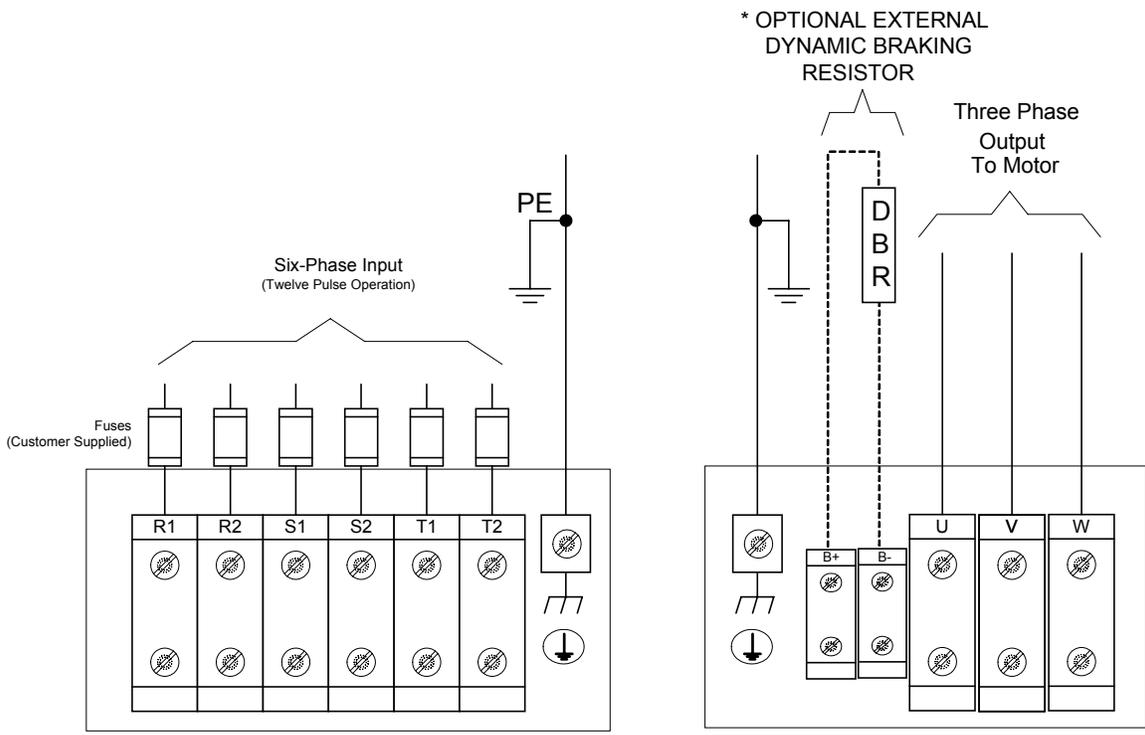


Figure 2C – POWER AND MOTOR CONNECTION FOR 50-125HP/460VAC REFER TO PAGE 24

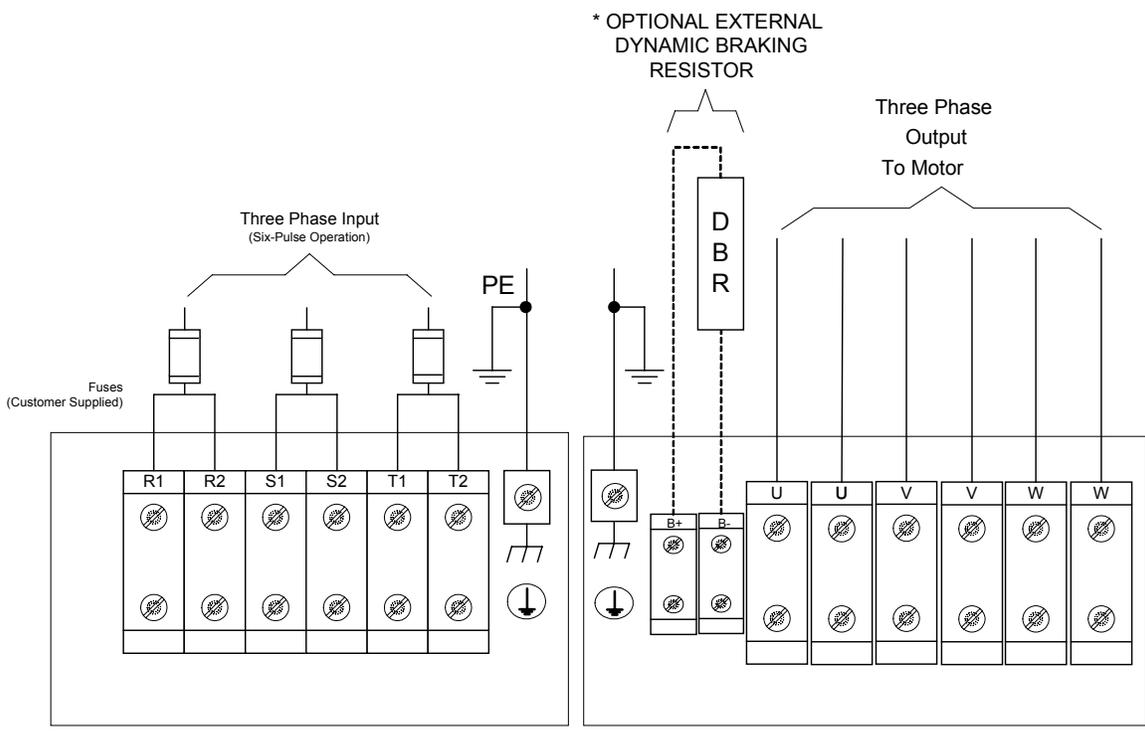


Figure 2D – POWER AND MOTOR CONNECTION FOR 150-350HP/460VAC- REFER TO PAGE 24

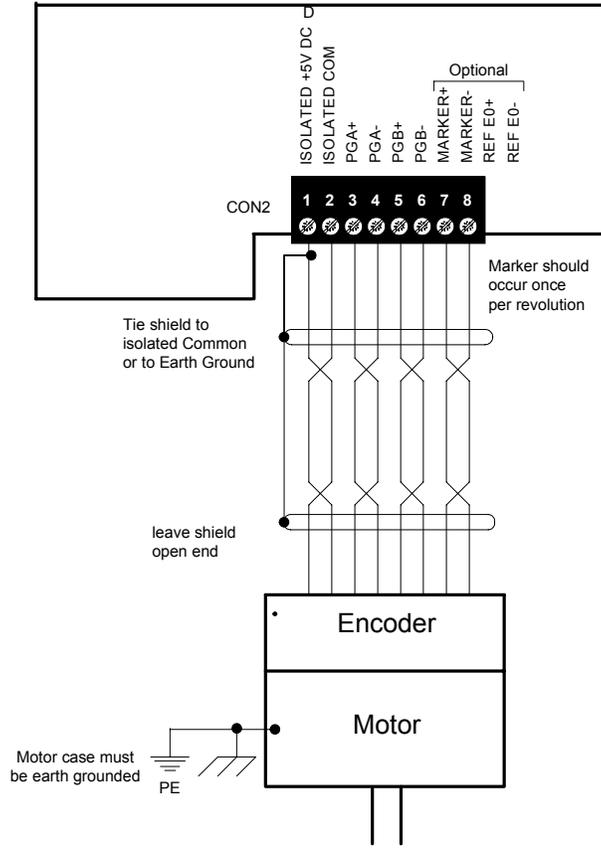


Figure 2D – ENCODER CONNECTION FOR SV3000 SERIES – REFER TO PAGE 87

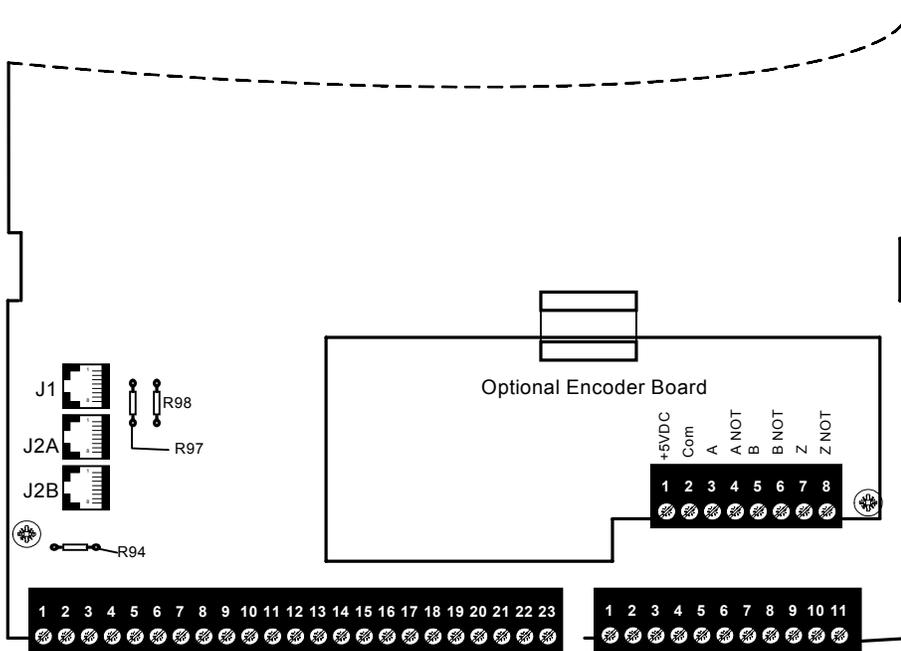


Figure-3—SV3000 Serial Communication Resistor Locations to page 68

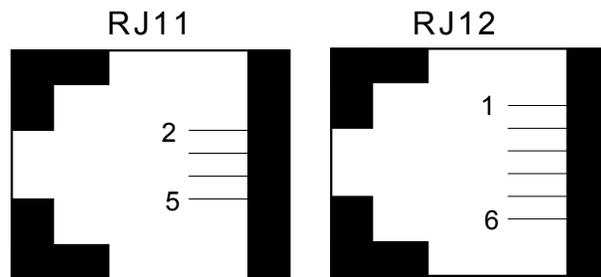


Figure-4—Asynchronous Serial Connectors

**Table 1—Serial Connector Pinouts**

| Pin       | Connector / Description | Connector / Description |
|-----------|-------------------------|-------------------------|
| PORT(TB1) | J1 & TB1                | J2A/J2B                 |
| JACK      | RS-422/485              | SSI                     |
| Type      | 4-position<br>(RJ-11)   | 6-position<br>(RJ-12)   |
| 1         |                         | Data (+)                |
| 2(TB1-4)  | Receive (+)             | Data (-)                |
| 3(TB1-3)  | Receive (-)             | Logic Common            |
| 4(TB1-1)  | Transmit (+)            | Logic Common            |
| 5(TB1-2)  | Transmit (-)            | Clock (-)               |
| 6         |                         | Clock (+)               |

**Table 2—Serial Communication Resistors**

| Signal                               | Connector   | Resistor | Description | Rating       |
|--------------------------------------|-------------|----------|-------------|--------------|
| Synchronous Serial                   | TB1-1-4     | R94      | Terminating | 121 $\Omega$ |
|                                      | J1          | R94      |             | 121 $\Omega$ |
| Synchronous data<br>transmit/receive | J2A and J2B | R97      | Terminating | 121 $\Omega$ |
|                                      |             | R98      |             | 121 $\Omega$ |

**Table 4—Synchronous data Cables**

| Cable Length       | Part Number     |
|--------------------|-----------------|
| 7.5 ft.            | PAS2022-01      |
| 14 ft.             | PAS2022-02      |
| 25 ft.             | PAS2022-03      |
| Longer than 25 ft. | Consult factory |

## Distribution Coast to Coast and International

**Danaher Motion products are available worldwide through an extensive authorized distributor network. These distributors offer literature, technical assistance and a wide range of models off the shelf for fastest possible delivery and service.**

**In addition, Danaher Motion Engineered Systems Center located in Charlotte, NC can integrate any Danaher Motion product into engineered systems. Coordination with PC or PLC based control and Human-Machine Interfaces can be provided as solutions to complex process control issues.**

In U.S.A. and Canada

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