

# ADD-A-PHASE® Type SUB Phase Converter



Type SUB is the ADD-A-PHASE static three-phase (3 $\phi$ ) converter specifically designed for use with deep well submersible pump motors and submersible waste water pump motors.

Because these motors are much more specialized than standard T-frame motors, they generally require more amps for a given horsepower than the standard motor does. Therefore, Type SUB is built to handle the extra load requirements of this type motor.

## Applications

- Drainage pumps
- Submersible pumps
- Swimming pool pumps

## 1 $\phi$ Full-load Amp Rating

| Horsepower | Input Voltage |       |
|------------|---------------|-------|
|            | 240 V         | 480 V |
| 1          | 7 A           | 4 A   |
| 1.5        | 9 A           | 6 A   |
| 2          | 13 A          | 7 A   |
| 3          | 20 A          | 10 A  |
| 5          | 30 A          | 15 A  |
| 7.5        | 40 A          | 20 A  |
| 10         | 60 A          | 30 A  |
| 15         | 80 A          | 40 A  |
| 20         | 95 A          | 48 A  |
| 25         | 115 A         | 58 A  |
| 30         | 150 A         | 75 A  |
| 40         | 185 A         | 93 A  |
| 50         | 220 A         | 110 A |
| 60         | 280 A         | 140 A |
| 75         |               | 170 A |
| 100        |               | 225 A |

## Specifications

|                          |  |
|--------------------------|--|
| <b>Starting Current:</b> | Approximately 300% of single-phase (1 $\phi$ ) input FLA |
| <b>Input Voltage:</b>    | 240 V or 480 V   |
| <b>Motor Ratings:</b>    | 1 HP to 100 HP   |

## Enclosure Size & Approximate Shipping Weights

| Enclosure | Horsepower | Type 2SUB Weight | Type 3SUB Weight | Type 4SUB Weight |
|-----------|------------|------------------|------------------|------------------|
| 603       | 1          | 60 lbs.          |                  | 60 lbs.          |
|           | 1.5        | 63 lbs.          |                  | 63 lbs.          |
|           | 2          | 74 lbs.          |                  |                  |
| 107       | 1          |                  | 119 lbs.         |                  |
|           | 1.5        |                  | 127 lbs.         |                  |
|           | 2          |                  | 138 lbs.         | 115 lbs.         |
|           | 3          | 140 lbs.         | 160 lbs.         | 142 lbs.         |
|           | 5          | 165 lbs.         | 190 lbs.         | 165 lbs.         |
| 115       | 7.5        | 205 lbs.         | 240 lbs.         | 205 lbs.         |
|           | 10         | 242 lbs.         | 285 lbs.         | 245 lbs.         |
| 130       | 15         | 310 lbs.         | 380 lbs.         | 320 lbs.         |
|           | 20         | 350 lbs.         | 400 lbs.         | 360 lbs.         |
|           | 25         | 390 lbs.         | 450 lbs.         | 420 lbs.         |
| 150       | 30         | 555 lbs.         | 635 lbs.         | 574 lbs.         |
|           | 40         | 626 lbs.         | 720 lbs.         | 660 lbs.         |
| 175       | 50         | 680 lbs.         | 867 lbs.         | 755 lbs.         |
|           | 60         | 700 lbs.         | 975 lbs.         | 892 lbs.         |
|           | 75         |                  |                  | 1,115 lbs.       |
|           | 100        |                  |                  | 1,125 lbs.       |

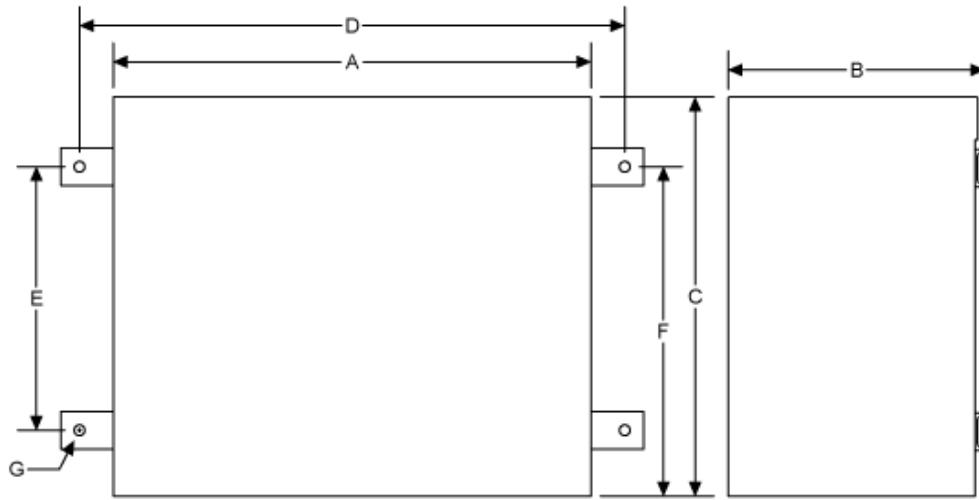


Sales Information: 1-800-221-7665 • Service and Support: 1-217-563-8333

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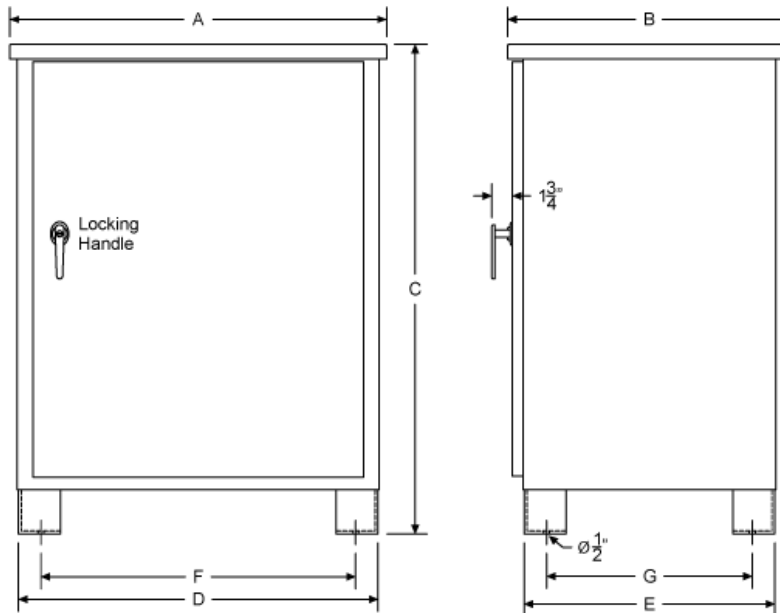
# ADD-A-PHASE® Type SUB Phase Converter

Nema 3R Enclosures: Frames 603, 107, 115 & 130 (in inches)



| Enclosure | Applies to converter sizes:   | A          | B          | C          | D          | E          | F          | G        |
|-----------|---|------------|------------|------------|------------|------------|------------|----------|
| 603       | 1 HP – 2 HP (Type 2SUB)<br>1 HP – 1.5 HP (Type 4SUB)                          | 17 in.     | 11 in.     | 16-1/8 in. | 18 in.     | 10 in.     | 13 in.     | 1/2 in.  |
| 107       | 3 HP – 5 HP (Type 2SUB)<br>1 HP – 5 HP (Type 3SUB)<br>2 HP – 5 HP (Type 4SUB) | 22-1/4 in. | 12-7/8 in. | 18-5/8 in. | 26 in.     | 11-1/2 in. | 15 in.     | 9/16 in. |
| 115       | 7.5 HP – 10 HP (Types 2SUB, 3SUB & 4SUB)                                      | 25-1/2 in. | 14 in.     | 21-1/4 in. | 29 in.     | 14 in.     | 17-1/2 in. | 9/16 in. |
| 130       | 15 HP – 25 HP (Types 2SUB, 3SUB & 4SUB)                                       | 28-3/4 in. | 16-1/2 in. | 26-3/4 in. | 32-1/4 in. | 17-5/8 in. | 22-1/8 in. | 9/16 in. |

## Padmount Enclosures



| Enclosure | Applies to converter sizes:                                     | A      | B          | C          | D      | E      | F          | G          |
|-----------|---|--------|------------|------------|--------|--------|------------|------------|
| 150       | 30 HP – 40 HP (Types 2SUB, 3SUB & 4SUB)                         | 32 in. | 22-7/8 in. | 40-7/8 in. | 30 in. | 21 in. | 27-1/2 in. | 18-1/2 in. |
| 175       | 50 HP – 60 HP (Types 2SUB & 3SUB)<br>50 HP – 100 HP (Type 4SUB) | 38 in. | 28-7/8 in. | 40-7/8 in. | 36 in. | 27 in. | 33-1/2 in. | 24-1/2 in. |

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