

# ADD-A-PHASE® Type SUB Phase Converter



Type SUB is the ADD-A-PHASE static three-phase (3∅) 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∅ 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∅) 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.

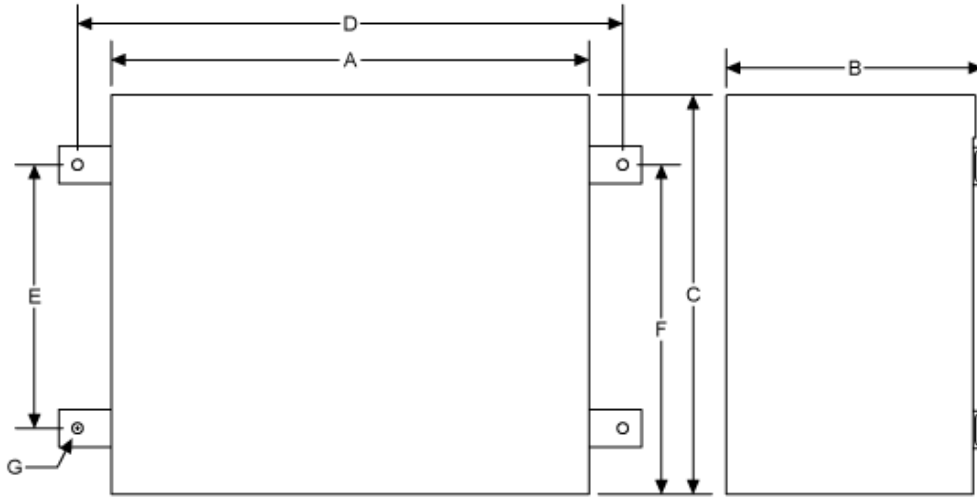


Sales Information: 1-800-221-7665 • Service and Support: 1-217-563-8333

PO Box 160, 106 E State Street, Nokomis, IL 62075-0160 • sales@ronkelectrical.com • www.ronkelectrical.com

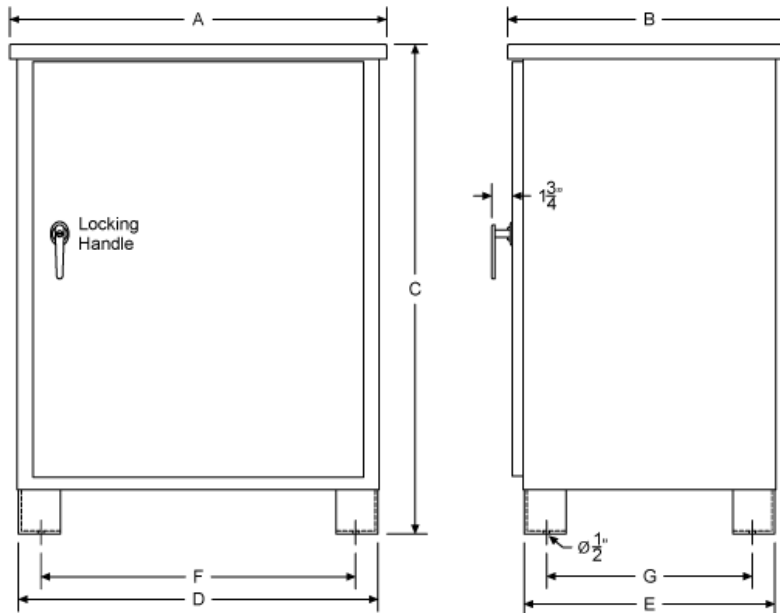
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Nema 3R Enclosures: Frames 603, 107, 115 & 130 (in inches)



Enclosure	Applies to converter sizes:	A	B	C	D	E	F	G
603	1 HP – 2 HP (Type 2SUB) 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) 1 HP – 5 HP (Type 3SUB) 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) 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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