

ADD-A-PHASE® Type SAC Phase Converter



Type SAC is an ideal ADD-A-PHASE static three-phase (3Ø) converter for most air conditioning applications. Its high efficiency, high starting torque, ease of use in automated systems and the ability to provide balanced currents to motors allow it to operate three-phase compressor and fan motors at full rated load.

Multiple compressor/additional motor units can also be provided as needed.

Applications

- Air conditioning compressors
- Refrigeration compressors
- 1,200 rpm – 6 pole motors

1Ø 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

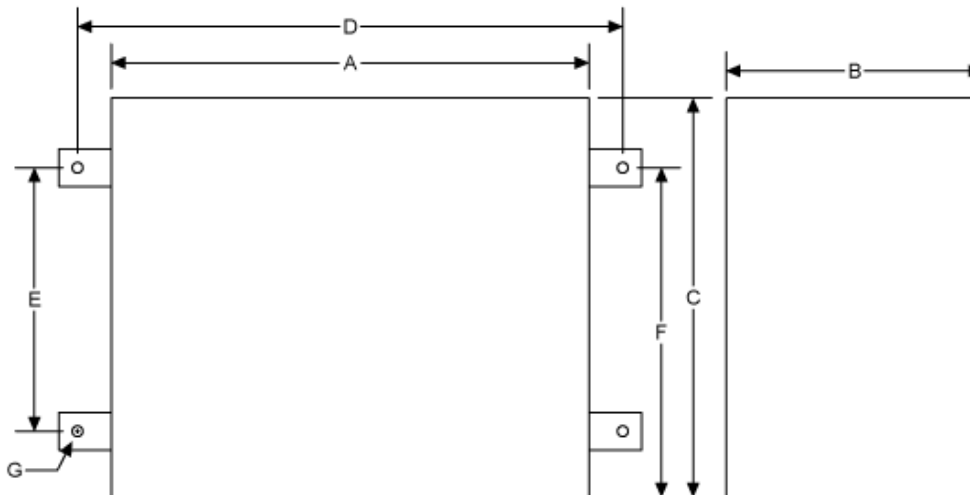
Specifications

Starting Current:	Approximately 300% of single-phase (1Ø) input FLA
Input Voltage:	240 V or 480 V
Motor Ratings:	1 HP to 15 HP

Enclosure Size & Approximate Shipping Weights

Enclosure	Horsepower	Type 2SAC Weight	Type 3SAC Weight	Type 4SAC 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.

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 2SAC) 1 HP – 1.5 HP (Type 4SAC)	17 in.	11 in.	16-1/8 in.	18 in.	10 in.	13 in.	1/2 in.
107	3 HP – 5 HP (Type 2SAC) 1 HP – 5 HP (Type 3SAC) 2 HP – 5 HP (Type 4SAC)	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 2SAC, 3SAC & 4SAC)	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 2SAC, 3SAC & 4SAC)	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.

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