

POWER FACTOR CORRECTION CAPACITORS



Panels are sized in accordance with industry standards but are listed in horsepower for ease of selection. Units will correct standard three-phase 3600 RPM and 1800 RPM motors operating at or near full load to approximately 95% To correct to approximately 97% power factor, use the next size larger panel size. For 1200 RPM motor, use the next larger panel size.

For 208 volt operation, use next larger sized 240 volt panel. See chart for fuse block information.

SIZE		240 VOLTS				480 VOLTS			
HP	KVAR	MODEL	ENCLOSURE	AMPS*	APPROX. WT. (LBS)	MODEL	ENCLOSURE	AMPS*	APPROX. WT. (LBS)
3	1/2	277CC-0.5	600	1.2	5	477CC-1	600	1.2	8
5	1	277CC-1	600	2.4	5	477CC-1	600	1.2	8
7.5	1.5	277CC-1.5	600	3.5	5	477CC-2	600	2.5	8
10	2	277CC-2	600	4.7	5	477CC-2	600	2.5	8
15	4	277CC-4	601	8	8	477CC-4	600	4.7	10
20	5	277CC-5	601	12	11	477CC-5	600	6.3	10
25	6	277CC-6	601	16	14	477CC-6	601	7.1	11
30	7	277CC-7	602	18	17	477CC-7	601	8.6	12
40	9	277CC-9	602	22	19	477CC-9	601	11	12
50	11	277CC-11	602	28	22	477CC-11	602	13	14
60	14	277CC-14	603	34	35	477CC-14	602	17	16
75	16	277CC-16	603	39	37	477CC-16	602	19	16
100	21	277CC-21	603	47	39	477CC-21	602	25	16
125	26	277CC-26	604	63	64	477CC-26	602	31	20
150	30					477CC-30	602	38	20
200	38					477CC-38	603	47	30
250	45					477CC-45	603	56	58
300	53					477CC-53	604	63	78
350	60					477CC60	604	75	85
400	68					477CC-68	604	83	100
500	75					477CC-75	604	94	115

Contact factory for other sizes and voltage ratings. All units should be installed by qualified personnel in accordance with all applicable electrical codes. Correction Capacitors are intended for use with across-the-line starters. Manufacturers should be consulted if other type starters are involved. Careful consideration must be used when adding Correction Capacitors to electrical systems containing variable speed drives, DC drives, or other electronic equipment.

* Amps given for rated voltage: if fusing unit in accord with local electrical code, use amp rating +10% to allow for higher voltage conditions.

**FBIL units will be in larger enclosures to accomodate additional equipment.
Check with factory for exact dimensions at time of quotation.**

Sales Information: 1-800-221-7665



Service & Support: 1-217-563-8333

FUSING CHARTS FOR POWER FACTOR CORRECTION CAPACITOR UNITS

All Units Supplied WITHOUT Fuses. Blown fuse indicating lights supplied with units ordered with optional fuseblock.

(Add suffix 'FBIL' after 477CC/277CC when ordering. Example: 477CC-FBIL)

480 VOLT		240 VOLT	
1 thru 14 KVAR	(FLA 1.2 - 17 amps) Uses 3-pole, 30 AMP, Class CC fuseholder Use Class CC fuse.	1/2 thru 7 KVAR	(FLA 1.2 - 18 amps) Uses 3-pole, 30 AMP, Class CC fuseholder Use Class CC fuse.
16 thru 26 KVAR	(FLA 19 - 31 amps) Uses 3-pole, 60 AMP, Class J fuseholder Use Class J fuse.	9 thru 14 KVAR	(FLA 22 - 34 amps) Uses 3-pole, 60 AMP, Class J fuseholder Use Class J fuse.
30 thru 45 KVAR	(FLA 38 - 56 amps) Uses 3-pole, 100 AMP, Class J fuseholder Use Class J fuse.	16 thru 21 KVAR	(FLA 39 - 47 amps) Uses 3-pole, 100 AMP, Class J fuseholder Use Class J fuse.
53 KVAR and above	Contact Customer Service 1-800-221-7665	26 KVAR and above	Contact Customer Service 1-800-221-7665

For fuse sizing - Refer to fuse manufacturers recommendations. (For time-delay fuses, typically 150 - 175% of panel amps)
See section 460 of National Electric Code for rules governing capacitor installation.

FBIL units are not UL listed

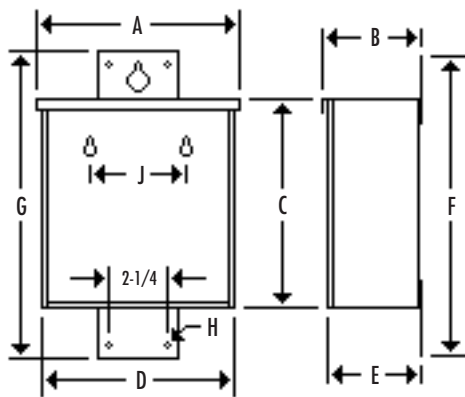


Figure 1
DIMENSIONS
OF NEMA 3R
ENCLOSURES

ENCLOSURE	A	B	C	D	E	F	G	H	J
600*	9-1/8	5-1/4	10-1/8	8-1/4	5-1/8			3/16	6
601	12	6-1/2	12-7/8	11-3/8	6-1/4	17-1/4	16-1/8	9/32	
602	14-1/4	8-1/2	12-7/8	13-7/8	8-1/4	17-1/4	16-1/8	9/32	

*Mounting tabs not available on 600 enclosure

FBIL units will be in larger enclosures to accommodate additional equipment. Check with factory for exact dimensions at time of quotation.

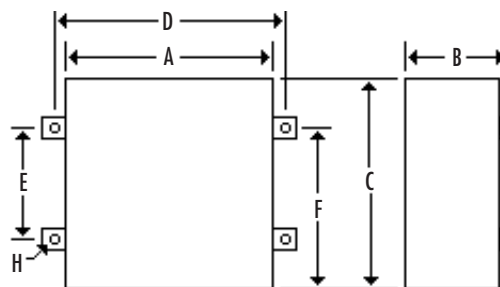


Figure 2
DIMENSIONS
OF NEMA 3R
ENCLOSURES

ENCLOSURE	A	B	C	D	E	H
603	17	11	16-1/8	18	10	1/2
604	25-1/2	11	17-5/8	28	14-1/2	1/2
605	25-1/2	12	20-1/8	28	17	1/2

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