

ROTOVERTER® ROTARY PHASE CONVERTER

050412

For the majority of applications, ROTOVERTER® is sized to the largest 3Ø motor (based on FLA rating) or TOTAL motor HP to be operated at one time. For some applications, however, it is recommended that the ROTOVERTER® be oversized. For non-motor applications, it is necessary to know FLA rating of equipment and, for electronic power supplies, any +/- voltage requirements.

If there are any questions which ROTOVERTER® is required, please call toll free at 1-800-221-7665 for a recommendation.

***** WHEN ORDERING, SPECIFY KVA RATING AND TYPE *****

TYPE 2C OR 2C-AS - 240 VOLT INPUT/240 VOLT OUTPUT

TYPE 4C OR 4C-AS - 480 VOLT INPUT/480 VOLT OUTPUT



SECTION I - TYPE 2C & 4C (CONSISTS OF A ROTARY TRANSFORMER & TWO CAPACITOR PANELS)							
CONVERTER SIZE+	240V TYPE	480V TYPE	LARGEST 3Ø MOTOR HP	TOTAL 3Ø MOTORS HP	APPROX. WT. (LBS)	1Ø FLA	
						@240V	@480V
4 KVA	2C	4C	2	4	75	18	9
6 KVA	2C	4C	3	6	80	26	13
10 KVA	2C	4C	5	10	115	44	22
15 KVA	2C	4C	7.5	15	135	66	33
20 KVA	2C	4C	10	20	210	88	44
30 KVA	2C	4C	15	30	275	132	66
40 KVA	2C	4C	20	40	370	176	88
50 KVA	2C	4C	25	50	390	220	110
60 KVA	2C	4C	30	60	395	264	132
80 KVA	2C	4C	40	80	490	352	176
100 KVA	2C	4C	50	100	530	440	220
120 KVA		4C*	60	120	625		264

+The ROTOVERTER is designed to operate this load continuously. Additional motors can be connected, however, the total horsepower of the load operating at any given time should not exceed this rating.

Automatic start units are supplied with a contactor and associated controls that allow the unit to be integrated with equipment that may cycle automatically from control circuitry containing timers, level or pressure sensors, etc. this allows the rotary transformer to come to speed before the load is energized, as required by Article 455-21 of the NEC®

SECTION II - TYPE 2C-AS & 4C-AS (CONSISTS OF A ROTARY TRANSFORMER & TWO CAPACITOR PANELS)							
CONVERTER SIZE+	240V TYPE	480V TYPE	LARGEST 3Ø MOTOR HP	TOTAL 3Ø MOTORS HP	APPROX. WT. (LBS)	1Ø FLA	
						@240V	@480V
4 KVA	2C-AS	4C-AS	2	4	75	18	9
6 KVA	2C-AS	4C-AS	3	6	80	26	13
10 KVA	2C-AS	4C-AS	5	10	115	44	22
15 KVA	2C-AS	4C-AS	7.5	15	135	66	33
20 KVA	2C-AS	4C-AS	10	20	210	88	44
30 KVA	2C-AS	4C-AS	15	30	275	132	66
40 KVA	2C-AS	4C-AS	20	40	370	176	88
50 KVA	2C-AS	4C-AS	25	50	390	220	110
60 KVA	2C-AS	4C-AS	30	60	395	264	132
80 KVA	2C-AS	4C-AS	40	80	490	352	176
100 KVA	2C-AS	4C-AS	50	100	530	440	220
120 KVA		4C-AS*	60	120	625		264

It may be necessary to furnish auxiliary starting panels for better starting acceleration with high torque or inertia loads. All listed units come with 3-pole power distribution blocks to simplify wiring connections. There are optional configurations available to meet your special needs. Call Ronk toll free at 1-800-221-7665 for information these optional configurations.

*Not Listed

Sales Information: 1-800-221-7665

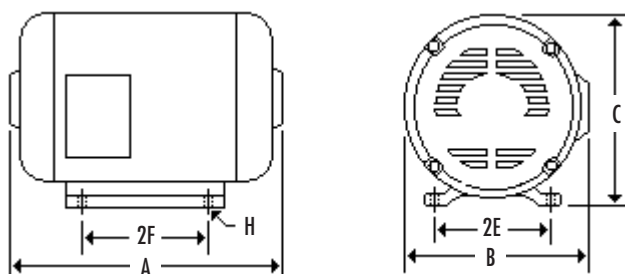


Service & Support: 1-217-563-8333

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ROTOVERTER® ROTARY PHASE CONVERTER

DIMENSIONS OF ROTARY BASE AND PANEL CONTROL (Open Drip Proof Rotary)



ROTARY BASE DIMENSIONS								PANEL CONTROL ENCLOSURE							
KVA	FRAME	A	B	C	2F	2E	H	2C		4C		2C-AS		4C-AS	
								#1 PANEL	#2 PANEL	#1 PANEL	#2 PANEL	#1 PANEL	#2 PANEL	#1 PANEL	#2 PANEL
4	182	11-1/2	7-7/8	8-7/16	4-1/2	7-1/2	13/32	600	600	600	600	602	600	602	600
6	184	11-1/2	7-7/8	8-7/16	5-1/2	7-1/2	13/32	600	600	600	600	602	600	602	600
10	213	12-1/2	9-9/16	10-1/16	4-1/2	8-1/2	13/32	601	600	600	600	602	600	602	600
15	215	12-1/2	9-9/16	10-1/16	6-1/2	8-1/2	13/32	602	601	600	600	603	601	602	600
20	254	15-1/4	11-1/2	12	8-1/4	10	17/32	602	601	601	601	603	601	603	601
30	256	17-1/4	11-1/2	12	10	10	17/32	603	602	601	601	603	602	603	601
40	286	19	13-1/4	13-5/8	11	11	17/32	603	602	602	601	604	602	603	601
50								604	603	603	602	604	603	603	602
60								604	603	603	602	604	603	603	602
80	326	24-1/8	15-1/8	15-9/16	12	12-1/2	21/32	605	603	603	602	605	603	604	602
100								605	604	604	602	605	604	604	602
120	364	24-1/8	15-1/8	16-9/16	11-1/4	14	21/32			604	603			605	603

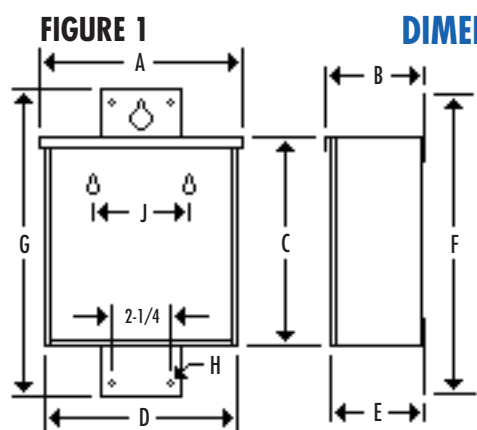


Figure 1

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

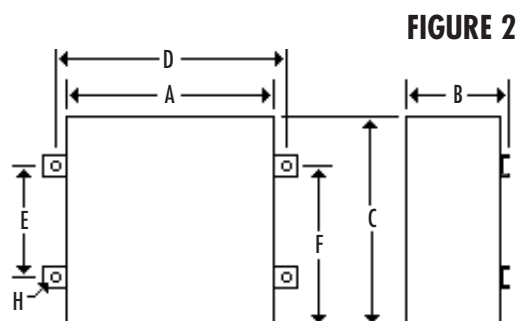


Figure 2

ENCLOSURE	A	B	C	D	E	F	H
603	17	11	16-1/8	18	10	13	1/2
604	25-1/2	11	17-5/8	28	14-1/2	15-1/2	1/2
605	25-1/2	12	20-1/8	28	17	18	1/2
130	28-3/4	16-1/2	26-3/4	32-1/4	17-5/8	22-1/8	9/16

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