

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 2D OR 2D-AS - 240 VOLT INPUT/240 VOLT OUTPUT

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



SECTION 1 - TYPE 2D & 4D (CONSISTS OF A ROTARY TRANSFORMER & ONE CAPACITOR PANEL)

CONVERTER SIZE+	240V TYPE	480V TYPE	LARGEST 3Ø MOTOR HP	TOTAL 3Ø MOTORS HP	APPROX. WT. (LBS)	1Ø FLA	
						@240V	@480V
1.4 KVA	2D	4D	1	1.4	70	10	5
2.1 KVA	2D	4D	2	2.1	90	15	8
3.5 KVA	2D	4D	3	3.5	98	22	11
5.3 KVA	2D	4D	5	5.3	125	30	15
8 KVA	2D	4D	7.5	8	245	42	21
12 KVA	2D	4D	10	12	248	54	27
16 KVA	2D	4D	15	16	289	70	35
21 KVA	2D	4D	20	21	324	90	45
28 KVA	2D	4D	25	28	511	120	60
35 KVA	2D	4D	30	35	783	150	75
42 KVA	2D*	4D*	40	42	900	180	90

+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 2D-AS & 4D-AS (CONSISTS OF A ROTARY TRANSFORMER & ONE CAPACITOR PANEL)

CONVERTER SIZE+	240V TYPE	480V TYPE	LARGEST 3Ø MOTOR HP	TOTAL 3Ø MOTORS HP	APPROX. WT. (LBS)	1Ø FLA	
						@240V	@480V
1.4 KVA	2D-AS	4D-AS	1	1.4	70	10	5
2.1 KVA	2D-AS	4D-AS	2	2.1	90	15	8
3.5 KVA	2D-AS	4D-AS	3	3.5	98	22	11
5.3 KVA	2D-AS	4D-AS	5	5.3	125	30	15
8 KVA	2D-AS	4D-AS	7.5	8	245	42	21
12 KVA	2D-AS	4D-AS	10	12	248	54	27
16 KVA	2D-AS	4D-AS	15	16	289	70	35
21 KVA	2D-AS	4D-AS	20	21	324	90	45
28 KVA	2D-AS	4D-AS	25	28	511	120	60
35 KVA	2D-AS	4D-AS	30	35	783	150	75
42 KVA	2D-AS*	4D-AS*	40	42	900	180	90

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 on these optional configurations.

*Not Listed

Sales Information: 1-800-221-7665

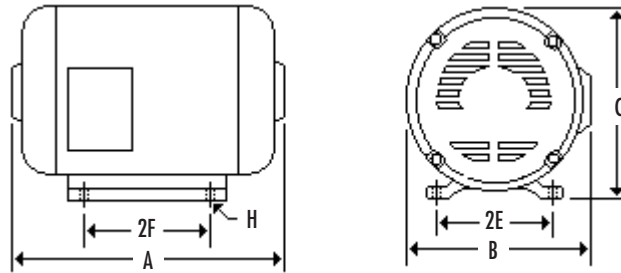


Service & Support: 1-217-563-8333

106 E. State Street • Nokomis, Illinois 62075 www.ronkelectrical.com Phone: 217-563-8333 • Fax: 217-563-8336

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	2D	4D	2D-AS	4D-AS
1.4	182	11-1/2	7-7/8	8-7/16	4-1/2	7-1/2	13/32	600	600	602	602
2.1	184	11-1/2	7-7/8	8-7/16	5-1/2	7-1/2	13/32	600	600	602	602
3.5	213	12-1/2	9-9/16	10-1/16	4-1/2	8-1/2	13/32	601	600	602	602
5.3	215	12-1/2	9-9/16	10-1/16	6-1/2	8-1/2	13/32	601	600	603	602
8	254	15-1/4	11-1/2	12	8-1/4	10	17/32	601	601	603	603
12	256	17-1/4	11-1/2	12	10	10	17/32	602	601	603	603
16	286	19	13-1/4	13-5/8	11	11	17/32	603	601	604	603
21	286	19	13-1/4	13-5/8	11	11	17/32	604	602	604	603
28	326	24-1/8	15-1/8	15-9/16	12	12-1/2	21/32	604	602	605	604
35	326	24-1/8	15-1/8	15-9/16	12	12-1/2	21/32	605	603	605	604
42	364	24-1/8	15-1/8	16-9/16	11-1/4	14	21/32	605	603	103	605

DIMENSIONS OF NEMA 3R ENCLOSURES

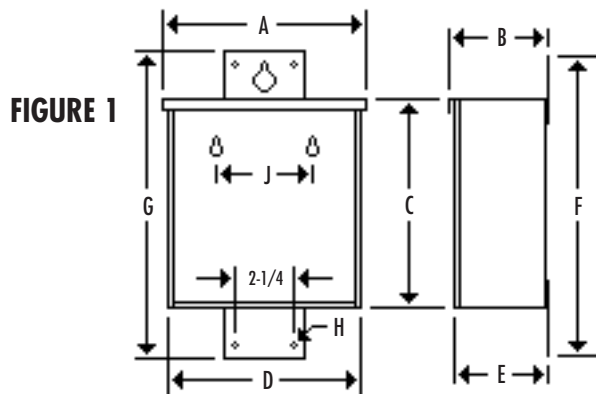


FIGURE 1

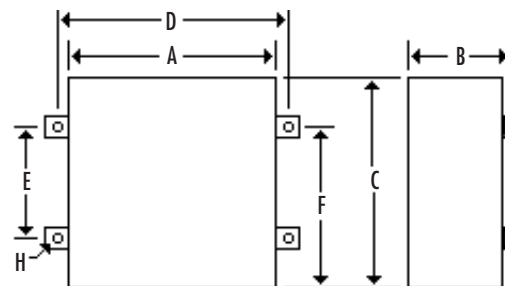


FIGURE 2

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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