

ROTO-CON[®]

TYPES P&D-1 ROTARY PHASE CONVERTERS

SECTION I – TYPES 2P AND 4P

For the majority of applications, ROTO-CON 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 ROTO-CON be oversized to operate correctly.

If you have questions about which ROTO-CON model is required, please call toll free at 1-800-221-7665 for a recommendation.

When ordering, specify kVA rating and type

Type 2P or 2D-1

240 Volt Input
240 Volt Output

Type 4P or 4D-1

480 Volt Input
480 Volt Output

SECTION II – TYPES 2D-1 AND 4D-1

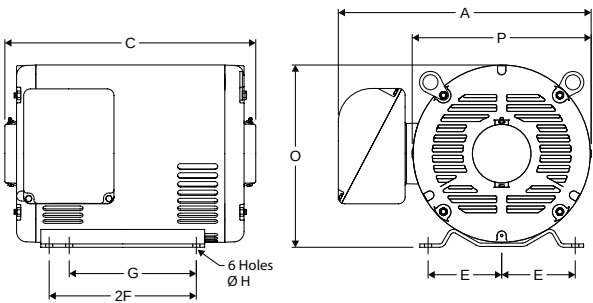
For single hard-starting motors, multiple small motors up to nameplate of converter, or non-motor loads. For non-motor loads, complete the appropriate application form (found at ronkelectrical.com under "Support Forms") and submit to RONK for custom guided product selection.

Section I – Types 2P and 4P						
Converter Size	Largest 3Ø Motor – Easy Start	Largest 3Ø Motor – Hard Start	Total 3Ø Motors	Approx. Weight	1Ø Input FLA	
					Type 2P (240V)	Type 4P (480V)
2 kVA	1 HP	0.75 HP	2 HP	65 lbs.	10A	5A
4 kVA	2 HP	1 HP	4 HP	66 lbs.	20A	10A
6 kVA	3 HP	2 HP	6 HP	72 lbs.	30A	15A
10 kVA	5 HP	3 HP	10 HP	101 lbs.	48A	24A
15 kVA	7.5 HP	5 HP	15 HP	125 lbs.	72A	36A
20 kVA	10 HP	7.5 HP	20 HP	198 lbs.	96A	48A
30 kVA	15 HP	10 HP	30 HP	254 lbs.	135A	68A
40 kVA	20 HP	15 HP	40 HP	386 lbs.	180A	90A
50 kVA	25 HP	20 HP	50 HP	387 lbs.	225A	113A
60 kVA	30 HP		60 HP	418 lbs.	265A	133A
80 kVA	40 HP		80 HP	448 lbs.	350A	175A
100 kVA	50 HP		100 HP	497 lbs.	440A	220A
120 kVA*	60 HP		120 HP	543 lbs.	530A	265A

Section II – Types 2D-1 and 4D-1					
Converter Size	Largest Single 3Ø Motor	Total 3Ø Motors	Approx. Weight	1Ø Input FLA	
				Type 2D-1 (240V)	Type 4D-1 (480V)
5.3 kVA	5 HP	5.3 HP	126 lbs.	30A	15A
8 kVA	7.5 HP	8 HP	199 lbs.	42A	21A
12 kVA	10 HP	12 HP	255 lbs.	54A	27A
16 kVA	15 HP	16 HP	388 lbs.	70A	35A
21 kVA	20 HP	21 HP	392 lbs.	90A	45A
28 kVA	25 HP	28 HP	418 lbs.	120A	60A
35 kVA	30 HP	35 HP	454 lbs.	150A	75A
42 kVA*	40 HP	42 HP	494 lbs.	180A	90A

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 needs. Call RONK toll-free at 1-800-221-7665 for information regarding these optional configurations.

DIMENSIONS OF ROTARY BASE AND PANEL CONTROL, OPEN DRIP-PROOF ROTARY (IN INCHES)



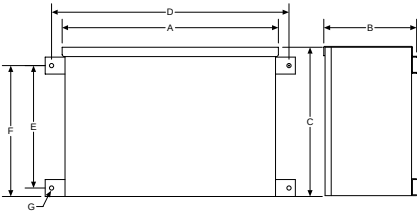
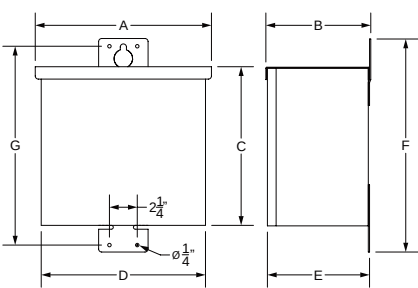
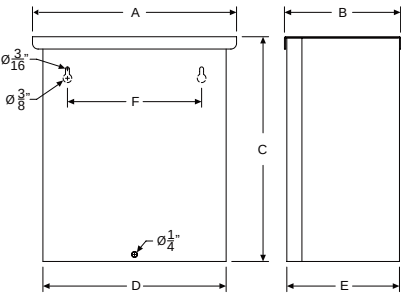
Converter Size		Rotary Frame	ODP Rotary Base Dimensions (in inches)								Enclosure Panels			
2P/4P	2D-1/4D-1		A	C	E	2F	G	H	O	P	2P	4P	2D-1	4D1
2 kVA		182	9-7/8	10-1/8	3-3/4	5-1/2	4-1/2	13/32	8-1/2	7-7/8	600	600		
4 kVA		182	9-7/8	10-1/8	3-3/4	5-1/2	4-1/2	13/32	8-1/2	7-7/8	600	600		
6 kVA		184	9-7/8	11-1/2	3-3/4	5-1/2	4-1/2	13/32	8-1/2	7-7/8	600	600		
10 kVA		213	12-3/4	12-1/2	4-1/4	7	5-1/2	13/32	10-1/8	9-5/8	600	600		
15 kVA	5.3 kVA	215	12-3/4	12-1/2	4-1/4	7	5-1/2	13/32	10-1/4	9-5/8	601	601	601	601
20 kVA	8 kVA	254	15-3/8	15-3/8	5	8-1/4		17/32	12	11-3/4	602	602	602	602
30 kVA	12 kVA	256	15-3/8	15-3/8	5	10	8-1/4	17/32	12	11-3/4	602	602	602	602
40 kVA	16 kVA	286	18-7/8	18-3/4	5-1/2	11	9-1/2	17/32	13-5/8	13-1/4	603	602	603	602
50 kVA	21 kVA	286	18-7/8	18-3/4	5-1/2	11	9-1/2	17/32	13-5/8	13-1/4	603	602	603	602
60 kVA		286	18-7/8	18-3/4	5-1/2	11	9-1/2	17/32	13-5/8	13-1/4	(2) 603	(2) 602		
80 kVA	28 kVA	324	20-7/8	21-1/8	6-1/4	12	10-1/2	21/32	15-5/8	15-1/4	(2) 603	(2) 602	603	603
100 kVA	35 kVA	326	20-7/8	21-1/8	6-1/4	12	10-1/2	21/32	15-5/8	15-1/4	(2) 604	(2) 603	604	603
120 kVA*	42 kVA	364	23-1/2	21-1/8	7	12-1/4	11-1/4	21/32	16-5/8	15-1/4	(2) 605	(2) 603	605	603

DIMENSIONS OF NEMA 3R ENCLOSURES (IN INCHES)

Enclosure 600

Enclosure 601 & 602

Enclosure 603, 604 & 605



Enclosure	A	B	C	D	E	F
600	9-1/8	5-3/16	10-1/16	8-3/16	5-1/16	6

Enclosure	A	B	C	D	E	F	G
601	12	6-1/2	12-13/16	11-1/16	6-3/16	17-7/16	16-1/4
602	14-1/4	8-1/2	12-13/16	13-5/16	8-1/4	17-1/4	16-1/16

Enclosure	A	B	C	D	E	F	G
603	17	11	16-1/8	18	10	13	1/2
604	25-1/2	10-15/16	17-5/8	28	14-7/8	15-7/8	1/2
605	25-1/2	11-15/16	20-1/8	28	17	18	1/2



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