

Catalog Number Explanation

Position Number

1-4		6	7		8		10
1321	-	3	R	-	4	-	B
a		b	c		d		e

a	
Product	
Code	Type
1321	1321 Power Component

b	
Phases	
Code	Description
3	Three-Phase

c	
Device	
Code	Description
R, RB	Reactor, Open
RA/RAB ⁽¹⁾	Reactor, NEMA 1

(1) RAB is only available in cabinet style 2 or 3.

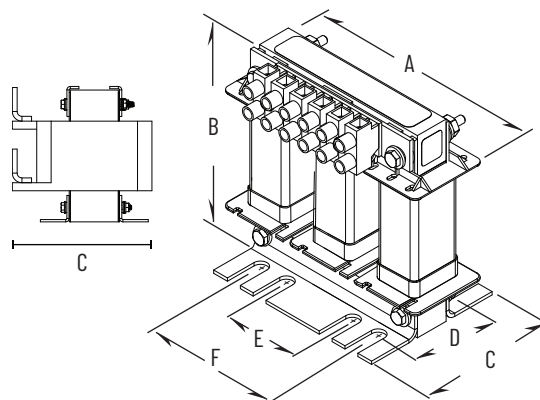
d	
Fundamental Amps	
Code	Amps
1	1
2	2
4	4
8	8
12	12
18	18
25	25
35	35
45	45
55	55
80	80
100	100
130	130
160	160
200	200
250	250
320	320
400	400
500	500
600	600
750	750
850	850
1000	1000

e	
Inductance Rating	
Code	Description
A	Each reactor current rating has four inductance ratings also available. See the IP00 dimension table.
B	
C	
D	

See [Typical Termination Types and Specifications on page 9](#) for dimensions.

IP00/Open

Use the reactor outline shown to reference dimensions in the Sizing Guidelines. Dimensions A, B, and C show the width, height, and depth, respectively. Dimensions D, E, and F show the mounting dimensions. This diagram is for reference only - your actual product may differ in terminal location and type, as well as the number and type of mounting options. All dimensions are for reference only and should not be used for manufacturing purposes.

**Sizing Guidelines**

Fundamental amps are used for sizing the reactor to be equal to or slightly higher than the total motor FLA. Sizing reactors to drive ampere ratings alone may result in mis-sizing the reactor. 1321-3R1...3R35B are open slot and 1321-3R35C...3R1000C are closed slot.

Sizing Guidelines

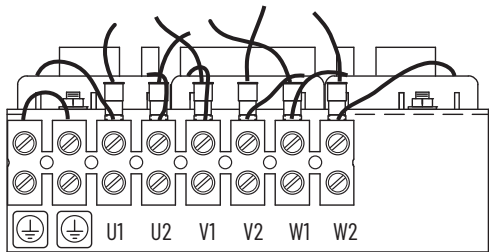
Catalog Number	Fundamental Amps	Inductance - mH (Based on Fundamental Amps)	Watts Loss	Dimensions in mm (in.) and Weight in kg (lb)						
				A	B	C (1)	D (2) (3)	E	F	Weight (apx.)
1321-3R1-A	1	100	8	106.7 (4.2)	104.1 (4.1)	76.2 (3.0)	46 (1.8)	37 (1.4)	65 (2.6)	1.7 (3.7)
1321-3R1-B		50	5	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.1 (2.5)
1321-3R1-C		36	4	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.1 (2.5)
1321-3R1-D		18	3	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.0 (2.3)
1321-3R2-A	2	12	9	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.0 (2.3)
1321-3R2-B		20	19	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.1 (2.4)
1321-3R2-C		32	18	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.3 (2.8)
1321-3R2-D		6	6	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.1 (2.2)
1321-3R4-A	4	3	9	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.1 (2.2)
1321-3R4-B		6.5	14	106.7 (4.2)	104.1 (4.1)	66 (2.6)	36 (1.4)	37 (1.4)	65 (2.6)	1.2 (2.7)
1321-3R4-C		9	17	106.7 (4.2)	104.1 (4.1)	76.2 (3.0)	46 (1.8)	37 (1.4)	65 (2.6)	1.7 (3.8)
1321-3R4-D		12	20	106.7 (4.2)	104.1 (4.1)	83.8 (3.3)	52 (2.1)	37 (1.4)	65 (2.6)	2.0 (4.5)
1321-3R8-A	8	1.5	10	149.9 (5.9)	124.5 (4.9)	78.7 (3.1)	43 (1.7)	51 (2.0)	76.2 (3.0)	2.0 (4.5)
1321-3R8-B		3	16	149.9 (5.9)	124.5 (4.9)	78.7 (3.1)	43 (1.7)	51 (2.0)	76.2 (3.0)	2.2 (4.8)
1321-3R8-C		5	21	149.9 (5.9)	124.5 (4.9)	88.9 (3.5)	52 (2.1)	51 (2.0)	76.2 (3.0)	3.2 (6.9)
1321-3R8-D		7.5	28	149.9 (5.9)	124.5 (4.9)	88.9 (3.5)	52 (2.1)	51 (2.0)	76.2 (3.0)	3.2 (7.0)
1321-3R12-A	12	1.25	16	149.9 (5.9)	124.5 (4.9)	78.7 (3.1)	43 (1.7)	51 (2.0)	76.2 (3.0)	2.2 (4.8)
1321-3R12-B		2.5	23	149.9 (5.9)	124.5 (4.9)	78.7 (3.1)	43 (1.7)	51 (2.0)	76.2 (3.0)	2.4 (5.3)
1321-3R12-C		4.2	30	149.9 (5.9)	124.5 (4.9)	94.0 (3.7)	59 (2.3)	51 (2.0)	76.2 (3.0)	3.7 (8.1)
1321-3R18-A	18	0.8	17	149.9 (5.9)	124.5 (4.9)	78.7 (3.1)	43 (1.7)	51 (2.0)	76.2 (3.0)	2.3 (5.1)
1321-3R18-B		1.5	25	149.9 (5.9)	124.5 (4.9)	88.9 (3.5)	52 (2.1)	51 (2.0)	76.2 (3.0)	3.2 (7.1)
1321-3R18-C		2.5	31	182.9 (7.2)	147.6 (5.8)	96.5 (3.8)	57 (2.2)	76 (3.0)	—	5.2 (11.5)
1321-3R25-A	25	0.5	21	182.4 (7.2)	147.6 (5.8)	91.4 (3.6)	51 (2.0)	76 (3.0)	—	4.0 (8.8)
1321-3R25-B		1.2	39	182.4 (7.2)	147.6 (5.8)	91.4 (3.6)	51 (2.0)	76 (3.0)	—	4.5 (10.0)
1321-3R25-C		1.8	40	182.4 (7.2)	147.6 (5.8)	114.3 (4.5)	79 (2.8)	76 (3.0)	—	6.9 (15.2)
1321-3R35-A	35	0.4	25	182.4 (7.2)	147.6 (5.8)	96.5 (3.8)	57 (2.2)	76 (3.0)	—	5.0 (11.1)
1321-3R35-B		0.8	42	182.4 (7.2)	147.6 (5.8)	96.5 (3.8)	57 (2.2)	76 (3.0)	—	5.1 (11.2)
1321-3R35-C		1.2	44	227.8 (9.0)	182.9 (7.2)	116.8 (4.6)	83 (3.3)	76 (3.0)	108 (4.3)	10.6 (23.3)
1321-3R45-A	45	0.3	29	227.8 (9.0)	182.9 (7.2)	116.8 (4.6)	83 (3.3)	76 (3.0)	108 (4.3)	9.0 (19.8)
1321-3R45-B		0.7	46	227.8 (9.0)	182.9 (7.2)	116.8 (4.6)	83 (3.3)	76 (3.0)	108 (4.3)	9.9 (21.8)
1321-3R45-C		1.2	63	227.8 (9.0)	182.9 (7.2)	129.5 (5.1)	96 (3.8)	76 (3.0)	108 (4.3)	12.6 (27.8)

1321-RWR Assembly Components

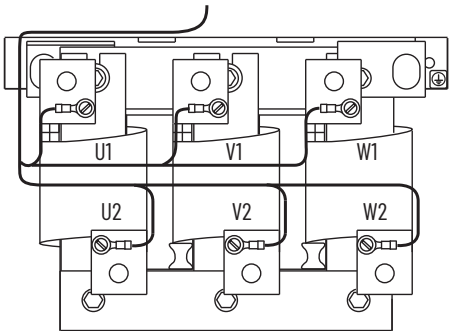
400/480V			
Reactor	Resistor		Wire Size (AWG)
	Ohms (Ω)	Watts	
1321-3R8-B	50	250	14...12
1321-3R12-B	50	250	14...12
1321-3R18-B	50	250	14...12
1321-3R25-B	50	250	10
1321-3R35-B	50	250	8...6
1321-3R45-B	50	250	6
1321-3R55-B	50	250	4
1321-3R80-B	50	250	2/0
1321-3R100-B	50	250	2/0
1321-3R130-B	50	300	2/0
1321-3R160-B	50	300	4/0
1321-3R200-B	50	300	250 MCM
1321-3RB250-B	50	300	350 MCM
1321-3R320-B	50	300	500 MCM

600V			
Reactor	Resistor		Wire Size (AWG)
	Ohms (Ω)	Watts	
1321-3R8-B	50	360	14...12
1321-3R12-B	50	360	14...12
1321-3R18-B	50	360	14...12
1321-3R25-B	50	360	10
1321-3R35-B	50	360	8...6
1321-3R45-B	50	360	6
1321-3R55-B	50	375	4
1321-3R80-B	50	375	2/0
1321-3R100-B	50	375	2/0
1321-3R130-B	50	420	2/0
1321-3R160-B	50	420	4/0
1321-3R200-B	50	420	250 MCM
1321-3RB250-B	50	420	350 MCM

Terminal Block Details



Details Figure 1 and Figure 2



Details Figure 3