

## 5.1.2 Mechanical Dimensions

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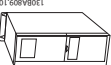
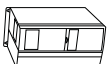
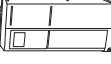


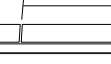
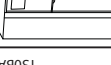

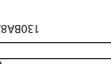
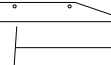
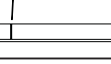

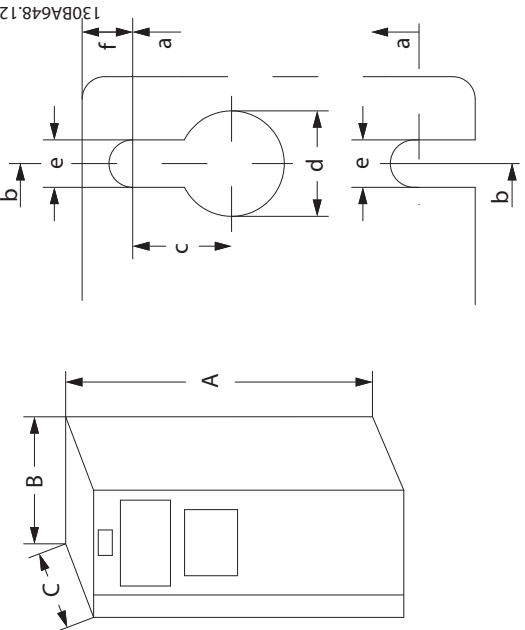
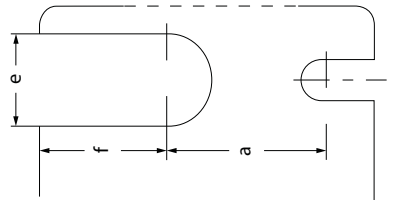
A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	C4
											
130BA05.10	130BA06.10	130BA08.10	130BA11.10	130BA12.10	130BA13.10	130BA26.10	130BA27.10	130BA814.10	130BA815.10	130BA828.10	130BA829.10
IP20/21	IP20/21	IP55/66	IP55/66	IP21/55/66	IP21/55/66	IP20	IP20	IP21/55/66	IP21/55/66	IP20	IP20
											
											
<p>Accessory bags containing necessary brackets, screws and connectors are included with the adjustable frequency drives upon delivery.</p> <p>Top and bottom mounting holes (B4, C3 and C4 only)</p>											
<p>* A5 in IP55/66 only</p>											

Table 5.1 Mechanical Dimensions

Endlosure Type		A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	C4			
Rated Power (hp [kW])	200–240 V	1.5–3 [1.1–2.2]	4–5 [3–3.7]	1.5–3 [1.1–2.2]	1.5–5 [1.1–3.7]	7.5–15 [5.5–11]	20 [15]	7.5–15 [5.5–11]	11–25 [15–18]	25–40 [18–30]	50–60 [37–45]	30–40 [22–30]	50–60 [37–45]			
	380–480/ 500 V	1.5–5 [1.1–4.0]	7.5–10 [5.5–7.5]	1.5–5 [1.1–4]	1.5–10 [1.1–7.5]	15–25 [11–18]	30–40 [22–30]	15–25 [11–18]	30–50 [22–37]	50–75 [37–55]	100–125 [75–90]	60–75 [45–55]	100–125 [75–90]			
	525–600 V		1.5–10 [1.1–7.5]		1.5–10 [1.1–7.5]	15–25 [11–18]	30–40 [22–30]	15–25 [11–18]	30–50 [22–37]	50–75 [37–55]	100–125 [75–90]	60–75 [45–55]	100–125 [75–90]			
	525–690 V						15–40 [11–30]				50–125 [37–90]					
IP		20	21	55/66	55/66	21/ 55/66	21/55/66	20	20	21/55/66	21/55/66	20	20			
NEMA		Chassis	Chassis	Type 12	Type 12	Type 1/ Type 12	Type 1/ Type 12	Chassis	Chassis	Type 1/ Type 12	Type 1/ Type 12	Chassis	Chassis			
Height (in [mm])																
Height of backplate		A	10.60 [268]	14.76 [375]	10.6 [268]	14.76 [375]	15.35 [390]	16.54 [420]	18.90 [480]	25.59 [650]	15.71 [399]	20.47 [520]	26.77 [680]	30.32 [770]	21.65 [550]	25.98 [660]
Height with decoupling plate for serial communication bus cables		A	14.72 [374]		14.72 [374]		-	16.54 [420]	23.43 [595]			24.8 [630]			24.8 [630]	31.5 [800]
Distance between mounting holes		a	10.12 [257]	13.80 [350]	10.12 [257]	13.80 [350]	15.80 [401]	15.83 [402]	17.87 [454]	24.57 [624]	14.96 [380]	19.50 [495]	25.51 [648]	29.1 [739]	20.51 [521]	24.84 [631]
Width (in [mm])																
Width of backplate		B	3.54 [90]	3.54 [90]	5.12 [130]	5.12 [130]	7.87 [200]	9.53 [242]	9.53 [242]	9.53 [242]	6.5 [165]	9.06 [230]	12.13 [308]	14.57 [370]	12.13 [308]	14.57 [370]
Width of backplate with one C option		B	5.12 [130]	5.12 [130]	6.69 [170]	6.69 [170]		9.53 [242]	9.53 [242]	9.53 [242]	8.07 [205]	9.06 [230]	12.13 [308]	14.57 [370]	12.13 [308]	14.57 [370]
Width of backplate with two C options		B	5.91 [150]	5.91 [150]	7.48 [190]	7.48 [190]		9.53 [242]	9.53 [242]	9.53 [242]	8.86 [225]	9.06 [230]	12.13 [308]	14.57 [370]	12.13 [308]	14.57 [370]
Distance between mounting holes		b	2.76 [70]	2.76 [70]	4.33 [110]	4.33 [110]	6.73 [171]	8.47 [215]	8.27 [210]	8.27 [210]	5.51 [140]	7.87 [200]	10.71 [272]	13.15 [334]	10.63 [270]	13 [330]
Depth (in [mm])																
Depth without option A/B		C	8.07 [205]	18.15 [207]	8.07 [205]	18.15 [207]	6.89 [175]	7.87 [200]	10.24 [260]	10.24 [260]	9.8 [249]	9.53 [242]	12.21 [310]	13.19 [335]	12.99 [333]	12.99 [333]
With option A/B		C	8.66 [220]	8.74 [222]	8.66 [220]	8.74 [222]	6.89 [175]	7.87 [200]	10.24 [260]	10.24 [260]	10.32 [262]	9.53 [242]	12.21 [310]	13.19 [335]	12.99 [333]	12.99 [333]

Enclosure Type	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	C4
Rated Power (hp [kW])	200–240 V 1.5–3 [1.1–2.2]	4–5 [3–3.7]	1.5–3 [1.1–2.2]	1.5–5 [1.1–3.7]	7.5–15 [5.5–11]	20 [15]	7.5–15 [5.5–11]	11–25 [15–18]	25–40 [18–30]	50–60 [37–45]	30–40 [22–30]	50–60 [37–45]
380–480/ 500 V	1.5–5 [1.1–4.0]	7.5–10 [5.5–7.5]	1.5–5 [1.1–4]	1.5–10 [1.1–7.5]	15–25 [11–18]	30–40 [22–30]	15–25 [11–18]	30–50 [22–37]	50–75 [37–55]	100–125 [75–90]	60–75 [45–55]	100–125 [75–90]
525–600 V		1.5–10 [1.1–7.5]		1.5–10 [1.1–7.5]	15–25 [11–18]	30–40 [22–30]	15–25 [11–18]	30–50 [22–37]	50–75 [37–55]	100–125 [75–90]	60–75 [45–55]	100–125 [75–90]
525–690 V					15–40 [11–30]					50–125 [37–90]		
IP NEMA	20 Chassis 21 Type 1	20 Chassis 21 Type 1	55/66 Type 12	55/66 Type 12	21/ 55/66 Type 1/ Type 12	21/ 55/66 Type 1/ Type 12	20 Chassis	20 Chassis	21/ 55/66 Type 1/ Type 12	21/ 55/66 Type 1/ Type 12	20 Chassis	20 Chassis
Screw holes (in [mm])												
c	0.32 [8.0]	0.32 [8.0]	0.32 [8.0]	0.33 [8.25]	0.47 [12]	0.47 [12]	8		0.49 [12.5]	0.49 [12.5]		
d	ø0.43 [ø11]	ø0.43 [ø11]	ø0.43 [ø11]	ø0.47 [ø12]	ø0.75 [ø19]	ø0.75 [ø19]	0.47 [12]		ø0.75 [ø19]	ø0.75 [ø19]		
e	ø0.22 [ø5.5]	ø0.22 [ø5.5]	ø0.22 [ø5.5]	ø0.26 [ø6.5]	ø0.35 [ø9]	ø0.35 [ø9]	0.27 [6.8]	0.34 [8.5]	ø0.35 [ø9]	ø0.35 [ø9]	0.34 [8.5]	0.34 [8.5]
f	0.35 [9]	0.35 [9]	0.26 [6.5]	0.24 [6]	0.35 [9]	0.35 [9]	0.31 [7.9]	0.59 [15]	0.39 [9.8]	0.39 [9.8]	0.67 [17]	0.67 [17]
Max weight lbs [kg]	10.8 [4.9]	11.68 [5.3]	14.6 [6.6]	21.5 [9.7]	50.7 [23]	59.53 [27]	26.5 [12]	52 [23.5]	99.21 [45]	143.3 [65]	77.2 [35]	110.2 [50]
Front cover tightening torque [Nm]												
Plastic cover (low IP)	Click	Click	-	-	Click	Click	Click	Click	Click	Click	Click	2.0
Metal cover (IP55/66)	-	-	1.5	1.5	2.2	2.2	-	-	2.2	2.2	2.0	2.0

Table 5.2 Weight and Dimensions