

7-1 Installation & Connection

Chapter 7 Installation & Connection

7.1 Installation

Inverter should be installed vertically, as shown in Figure 7-1. Sufficient ventilation space should be ensured in its surrounding.

Clearance dimensions (recommended) are available from Table 7-1 Clearance Dimensions for installing of the inverter. Space between 2 drives 25mm.

Table 7-1 Clearance Dimensions

Model	Clearance Dimensions	
Hanging	A ≥ 150mm	B ≥ 12.5mm

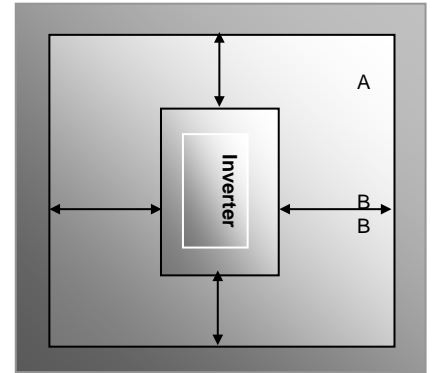
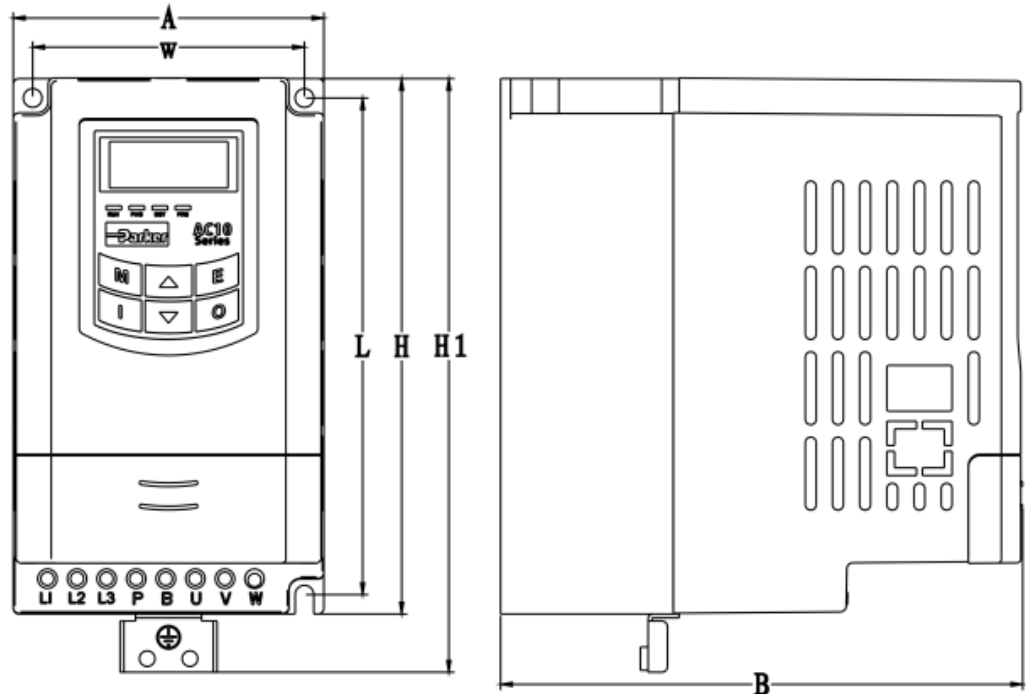


Figure 7-1 Installation Sketch

Frame	External Dimension AxBxH (H1) mm	Max Weight kg	Mounting Size(WxL)	Mounting Bolt
1	80x135x138 (153)	1.25	70x128	M4
2	106x150x180 (195)	1.76	94x170	M4
3	138x152 x235 (250)	2.96	126x225	M5
4	156x170x265 (280)	4.9	146x255	M5
5	205x196 x340 (355)	7.5	194x330	M5
6	265 x 235 x 435	17	235x412	M6
7	315 x 234 x 480	25	274x465	M8
8	360 x 265 x 555	40	320x530	M8
9	410 x 300 x 630	55	370x600	M10
10	516 x 326 x 765	94	360x740	M10
11	560 x 342 x 910	120	390x882	M10



Cover Layout

Note:

H is the size of inverter without grounding plate.

H1 is the size of inverter with grounding plate.

Technical Characteristics

Power Ratings IP20

230 V Single Phase Input		
Nominal Power [kW]	Output Current [A]	Frame Size
0.2	1.5	1
0.4	2.5	1
0.55	3.5	1
0.75	4.5	1
1.1	5	2
1.5	7	2
2.2	10	2

230 V Three phase Input		
Nominal Power [kW]	Output Current [A]	Frame Size
0.2	1.5	1
0.4	2.5	1
0.55	3.5	1
0.75	4.5	1
1.1	5	2
1.5	7	2
2.2	10	2
4	17	3
5.5	21	4
7.5	30	5
11	40	5
15	55	6

400 V Three phase Input		
Nominal Power [kW]	Output Current [A]	Frame Size
0.2	0.6	1
0.4	1	1
0.55	1.5	1
0.75	2	1
1.1	3	2
1.5	4	2
2.2	6.5	2
3	8	3
4	9	3
5.5	12	3
7.5	17	4
11	23	4
15	32	5
18.5	38	5
22	44	5
30	60	6
37	75	7
45	90	7
55	110	8
75	150	8
90	180	9
110	220	9
132	265	10
160	320	11
180	360	11

Power Ratings IP66

230 V Single Phase Input		
Nominal Power [kW]	Output Current [A]	Frame Size
0.4	2.5	1
0.75	4.5	1
1.5	7	1
2.2	10	1

Power Ratings IP66

230 V Three phase Input		
Nominal Power [kW]	Output Current [A]	Frame Size
0.4	2.5	1
0.75	4.5	1
1.5	7	1
2.2	10	1

400 V Three phase Input		
Nominal Power [kW]	Output Current [A]	Frame Size
0.75	2	1
1.5	4	1
2.2	6.5	1
3	8	1
4	9	1
5.5	12	2
7.5	17	2
11	23	3
15	32	3
18.5	38	4
22	44	4
30	60	4
37	75	5
45	90	5
55	110	5
75	150	6
90	180	6