

Z1D3 (NEMA 3R Bypass) 480 V, 40 °C Product Data

Z1000U Matrix Bypass Drive NEMA Type 3R Dimensions and Data

Use Tabs 1 to 16 in the tables below to determine the correct dimension diagram and schematic diagram depending on drive model and installed options.

Note: Options shown with indicate that the option is NOT installed.

Options shown with indicate that the option IS installed.

480 V Model Dimensions, Standard 40 °C Ambient

Model Z1D3	Tab 1			Tab 2			Tab 3			Tab 4		
	Output Reactor 5% PK <input type="checkbox"/>			Output Reactor 5% PK <input type="checkbox"/>			Output Reactor 5% PK <input type="checkbox"/>			Output Reactor 5% PK <input type="checkbox"/>		
	Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>		
	Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>			Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>		
	200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>		
Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	
B011	01	W1.01	199	01	W1.01	199	01	W1.01	199	01	W1.01	199
B014	01	W1.01	200	01	W1.01	200	01	W1.01	200	01	W1.01	200
B021	01	W1.01	203	01	W1.01	203	01	W1.01	203	01	W1.01	203
B027	01	W1.01	203	01	W1.01	203	01	W1.01	203	01	W1.01	203
B034	01	W1.01	209	01	W1.01	209	01	W1.01	209	01	W1.01	209
B040	01	W2.01	268	01	W2.01	268	01	W2.01	268	01	W2.01	268
B052	01	W2.01	269	01	W2.01	269	01	W2.01	269	01	W2.01	269
B065	01	W2.01	289	01	W2.01	289	01	W2.01	289	01	W2.01	289
B077	01	W2.01	290	01	W2.01	290	01	W2.01	290	01	W2.01	290
B096	01	W3.01	438	01	W3.01	438	01	W3.01	438	01	W3.01	438
B124	02	W3.01	453	02	W3.01	453	02	W3.01	453	02	W3.01	453
B156	01	F1.02	954	01	F1.02	954	01	F1.02	954	09	F1.02	954
B180	01	F1.02	951	01	F1.02	951	01	F1.02	951	01	F1.02	951
B240	01	F1.02	1148	01	F1.02	1148	01	F1.02	1148	01	F1.02	1148
B302	04	F2.01	1656	04	F2.01	1656	04	F2.01	1656	04	F2.01	1656
B361	04	F2.01	1700	04	F2.01	1700	04	F2.01	1700	04	F2.01	1700
B414	04	F2.01	1727	04	F2.01	1727	04	F2.01	1727	04	F2.01	1727

*1. Refer to [Dimension Diagrams](#) for rough dimensions.

480 V Model Dimensions, Standard 40 °C Ambient

Model Z1D3	Tab 5			Tab 6			Tab 7			Tab 8		
	Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>		
	Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>		
	Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>			Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>		
	200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>		
Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	
B011	01	W2.01	240	01	W2.01	240	01	W2.01	240	01	W2.01	240
B014	01	W2.01	244	01	W2.01	244	01	W2.01	244	01	W2.01	244
B021	01	W2.01	247	01	W2.01	247	01	W2.01	247	01	W2.01	247
B027	01	W2.01	251	01	W2.01	251	01	W2.01	251	01	W2.01	251
B034	01	W3.01	348	01	W3.01	348	01	W3.01	348	01	W3.01	348

Z1D3 (NEMA 3R Bypass) 480 V, 40 °C Product Data

Model Z1D3	Tab 5			Tab 6			Tab 7			Tab 8		
	Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>		
	Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>			Soft Starter PW <input type="checkbox"/>		
	Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>			Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>		
	200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>		
	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)
B040	01	W3.01	377	01	W3.01	377	01	W3.01	377	01	W3.01	377
B052	01	W3.01	378	01	W3.01	378	01	W3.01	378	01	W3.01	378
B065	01	W3.01	407	01	W3.01	407	01	W3.01	407	09	W3.01	407
B077	01	W3.01	413	01	W3.01	413	01	W3.01	413	09	W3.01	413
B096	01	W4.01	560	01	W4.01	560	01	W4.01	560	01	W4.01	560
B124	01	W4.01	566	01	W4.01	566	01	W4.01	566	01	W4.01	566
B156	01	F1.02	1020	01	F1.02	1020	01	F1.02	1020	09	F1.02	1020
B180	01	F1.02	1050	01	F1.02	1050	01	F1.02	1050	01	F1.02	1050
B240	01	F1.02	1262	01	F1.02	1262	01	F1.02	1262	01	F1.02	1262
B302	04	F2.01	1790	04	F2.01	1790	04	F2.01	1790	04	F2.01	1790
B361	04	F2.01	1901	04	F2.01	1901	04	F2.01	1901	04	F2.01	1901
B414	04	F2.01	1939	04	F2.01	1939	04	F2.01	1939	04	F2.01	1939

*1. Refer to [Dimension Diagrams](#) for rough dimensions.

480 V Model Dimensions, Standard 40 °C Ambient

Model Z1D3	Tab 9			Tab 10			Tab 11			Tab 12		
	Output Reactor 5% PK <input type="checkbox"/>			Output Reactor 5% PK <input type="checkbox"/>			Output Reactor 5% PK <input type="checkbox"/>			Output Reactor 5% PK <input type="checkbox"/>		
	Soft Starter PW <input checked="" type="checkbox"/>			Soft Starter PW <input checked="" type="checkbox"/>			Soft Starter PW <input checked="" type="checkbox"/>			Soft Starter PW <input checked="" type="checkbox"/>		
	Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>			Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>		
	200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>		
	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)
B011	01	W2.01	257	01	W2.01	257	01	W2.01	257	01	W2.01	257
B014	01	W2.01	261	01	W2.01	261	01	W2.01	261	01	W2.01	261
B021	01	W2.01	263	01	W2.01	263	01	W2.01	263	01	W2.01	263
B027	01	W2.01	269	01	W2.01	269	01	W2.01	269	01	W2.01	269
B034	01	W3.01	362	01	W3.01	362	01	W3.01	362	09	W3.01	362
B040	01	W3.01	390	01	W3.01	390	01	W3.01	390	09	W3.01	390
B052	01	W3.01	399	01	W3.01	399	01	W3.01	399	09	W3.01	399
B065	01	W3.01	422	01	W3.01	422	01	W3.01	422	09	W3.01	422
B077	01	W3.01	428	01	W3.01	428	01	W3.01	428	09	W3.01	428
B096	01	W4.01	581	01	W4.01	581	01	W4.01	581	09	W4.01	581
B124	01	W4.01	597	01	W4.01	597	01	W4.01	597	09	W4.01	597
B156	01	F1.02	1060	01	F1.02	1060	01	F1.02	1060	09	F1.02	1060
B180	01	F1.02	1114	01	F1.02	1114	01	F1.02	1114	09	F1.02	1114
B240	01	F1.02	1316	01	F1.02	1316	01	F1.02	1316	09	F1.02	1316
B302	04	F2.01	1903	04	F2.01	1903	04	F2.01	1903	04	F2.01	1903
B361	04	F2.01	1999	04	F2.01	1999	04	F2.01	1999	04	F2.01	1999
B414	04	F2.01	2035	04	F2.01	2035	04	F2.01	2035	04	F2.01	2035

*1. Refer to [Dimension Diagrams](#) for rough dimensions.

480 V Model Dimensions, Standard 40 °C Ambient

Model Z1D3	Tab 13			Tab 14			Tab 15			Tab 16		
	Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>			Output Reactor 5% PK <input checked="" type="checkbox"/>		
	Soft Starter PW <input checked="" type="checkbox"/>			Soft Starter PW <input checked="" type="checkbox"/>			Soft Starter PW <input checked="" type="checkbox"/>			Soft Starter PW <input checked="" type="checkbox"/>		
	Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>			Space Heater P3 <input type="checkbox"/>			Space Heater P3 <input checked="" type="checkbox"/>		
	200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>			200 VA Transformer TK <input checked="" type="checkbox"/>		
	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)	Schematic Diagram DS.Z1D3.	Dimension Diagram *1 DD.Z1U.3R.	Wt. (lb.)
B011	01	W2.01	257	01	W2.01	257	01	W2.01	257	01	W2.01	257
B014	01	W2.01	261	01	W2.01	261	01	W2.01	261	01	W2.01	261
B021	01	W2.01	263	01	W2.01	263	01	W2.01	263	01	W2.01	263
B027	01	W2.01	269	01	W2.01	269	01	W2.01	269	01	W2.01	269
B034	01	W3.01	362	01	W3.01	362	01	W3.01	362	09	W3.01	362
B040	01	W3.01	390	01	W3.01	390	01	W3.01	390	09	W3.01	390
B052	01	W3.01	399	01	W3.01	399	01	W3.01	399	09	W3.01	399
B065	01	W3.01	422	01	W3.01	422	01	W3.01	422	09	W3.01	422
B077	01	W3.01	428	01	W3.01	428	01	W3.01	428	09	W3.01	428
B096	01	W4.01	581	01	W4.01	581	01	W4.01	581	09	W4.01	581
B124	01	W4.01	597	01	W4.01	597	01	W4.01	597	09	W4.01	597
B156	01	F1.02	1060	01	F1.02	1060	01	F1.02	1060	09	F1.02	1060
B180	01	F1.02	1114	01	F1.02	1114	01	F1.02	1114	09	F1.02	1114
B240	01	F1.02	1316	01	F1.02	1316	01	F1.02	1316	09	F1.02	1316
B302	04	F2.01	1903	04	F2.01	1903	04	F2.01	1903	04	F2.01	1903
B361	04	F2.01	1999	04	F2.01	1999	04	F2.01	1999	04	F2.01	1999
B414	04	F2.01	2035	04	F2.01	2035	04	F2.01	2035	04	F2.01	2035

*1. Refer to [Dimension Diagrams](#) for rough dimensions.

Dimension Diagrams

Dimension Diagram	Rough Dimensions (in.)		
	H	W	D
DD.Z1U.3R.W1.01	38.0	28.5	20.8
DD.Z1U.3R.W2.01	44.9	31.3	23.2
DD.Z1U.3R.W3.01	54.2	35.0	24.4
DD.Z1U.3R.W4.01	68.2	38.0	24.4
DD.Z1U.3R.F1.01	92.0	41.3	36.5
DD.Z1U.3R.F1.02	92.0	41.3	47.4
DD.Z1U.3R.F2.01	93.5	66.3	48.2