

SED2 Variable Frequency Drive (VFD) Line/Load Reactors with Enclosures



Descriptions

Line Reactor– Installed for SED2 VFD when drives are located close to the building's incoming power source, such as a substation where incoming spikes and other transients may damage the drive due to low impedance. Installing a line reactor at the input of each drive helps to counteract line spiking and nuisance faults causing the drive to shut down.

Load Reactor– Installed on the drive output, the Load Reactor will dampen overshoot peak voltage, reduce motor heating and audible noise. A load reactor helps to extend the life of the motor and increase the distance that the motor can be from the drive.

Product Numbers

Table 1. 208/230 Voltage Line/Load Reactors.

HP	Low Z Line Reactor Enclosed	Cabinet Size	Load Reactor Enclosed	Cabinet Size
0.5	994-740-04	1	994-740-01	1
0.75	994-740-04		994-740-01	
1	994-740-04		994-740-01	
1.5	994-741-01		994-740-02	
2	994-741-07	2	994-740-03	2
3	994-741-07		994-740-04	
5	994-741-07		994-741-01	
7.5	994-742-03		994-741-07	
10	994-742-03		994-742-02	
15	994-742-07		994-742-03	
20	994-743-05		994-742-07	
25	994-743-05		994-743-05	
30	994-744-03	4	994-744-02	4
40	994-744-03		994-744-03	
50	994-746-06		994-744-11	
60	994-747-02		994-746-06	

Table 2. 480 Voltage Line/Load Reactors.

HP	Low Z Line Reactor Enclosed	Cabinet Size	Load Reactor Enclosed	Cabinet Size
0.5	994-740-08	1	994-780-01	1
0.75	994-740-08		994-780-01	
1	994-740-08		994-780-01	
1.5	994-740-08		994-780-01	
2	994-740-08		994-780-01	
3	994-740-09		994-780-02	
5	994-741-02		994-780-03	
7.5	994-740-09		994-780-04	
10	994-741-02		994-781	
15	994-741-06		994-782-01	
20	994-742-04	2	994-782-02	2
25	994-743-02		994-782-03	
30	994-743-02		994-782-04	
40	994-744-04	3	994-783-01	3
50	994-744-06	4	994-784-01	
60	994-744-06		994-784-02	
75	994-746-07		994-784-03	
100	994-746-03		994-786-01	4
125	994-746-03		994-787-01	

Table 3. 575 Voltage Line/Load Reactors.

HP	Part Number	Cabinet Size	Part Number	Cabinet Size
1.5	994-740-14	1	994-780-05	1
2	994-740-14		994-780-05	
3	994-740-14		994-780-06	
5	994-740-14		994-780-07	
7.5	994-741-03		994-780-08	
10	994-741-03		994-780-09	
15	994-741-04		994-782-05	2
20	994-741-04	2	994-782-06	
25	994-741-05		994-782-07	
30	994-742-06		994-782-08	
40	994-743-03		994-782-09	
50	994-743-04		994-783-02	
60	994-744-08	3	994-784-04	3
75	994-744-09		994-784-05	
100	994-746-04	4	994-784-06	4
125	994-746-04		994-786-02	

Wiring Diagram

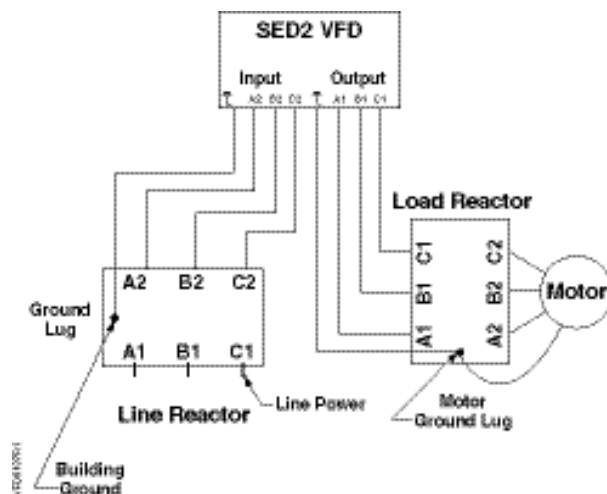


Figure 1. Wiring the Line and Load Reactor to the SED2 VFD.

Dimensions

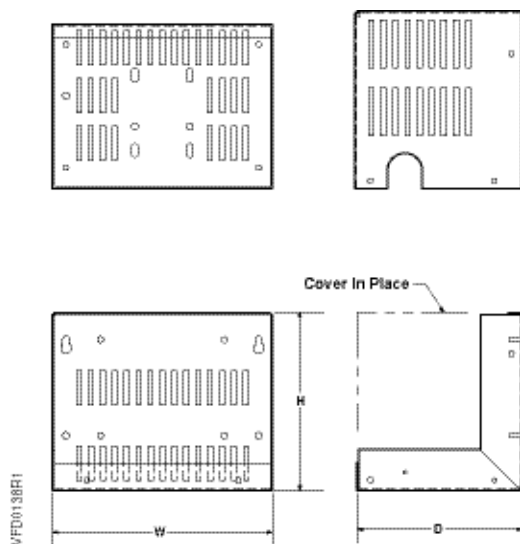


Figure 2. Cabinet Sizes 1, 2, and 3.

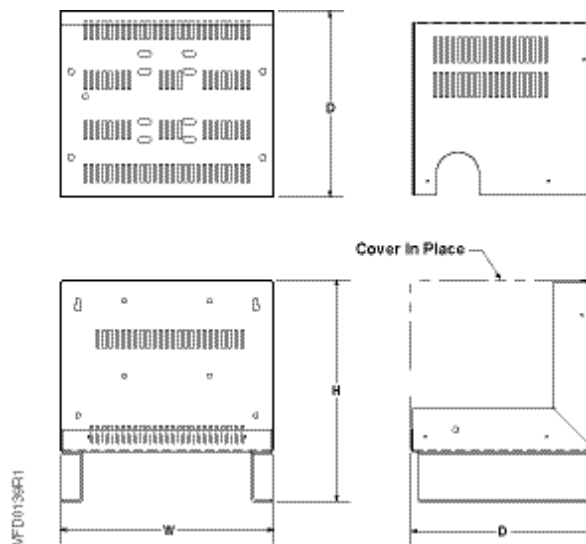


Figure 3. Cabinet Size 4.

Table 4. Cabinet Sizes 1, 2, and 3 in Inches (mm).

Cabinet	Width (W)	Height (H)	Depth (D)
1	8.0 (203)	6.5 (165)	6.0 (152)
2	10.0 (254)	7.5 (191)	7.0 (178)
3	12.0 (305)	9.0 (229)	8.0 (203)

Table 5. Cabinet Size 4 in Inches (mm).

Width (W)	Height (H)	Depth (D)
15.0 (381)	15.5 (394)	13.0 (330)

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