

**CDEUW Series (Capacitive Input)**

# CDEUW Series



**Filter Cabinet**

- Modified NEMA I, constructed of not less than #14 gauge CRS with galvanized bulkhead
- Blue epoxy finish to all non-conductive surfaces
- R.F. Radiation of the shielded (load) compartment greater than 100 dB from 14 kHz to 10 GHz
- Front cover access, dual cover design
- Filter inserts pre-wired to standoffs and lugs
- Lifting hooks and mounting tabs
- Legs for floor mount available (see page 24)

**Individual Filters**

- Sealed components with welded and/or soldered seams
- Constructed of not less than #16 gauge steel with corrosion resistant plating
- Bleeder resistor to eliminate shock hazard provided
- Surge arrestors provided upon request†

**Electrical Characteristics**

**Voltage Drop:**

Less than 1% @ unity power factor

**Overload:**

140% of rated current for 15 minutes

**Harmonic Distortion:**

Less than 2% @ full rated current

**Dielectric Withstanding Voltage:**

Per MIL-PRF-15733 and UL1283

**D.C. Insulation Resistance:**

Per MIL-STD-202, Method 302

**Terminal Strength:**

Per MIL-STD-202, Method 211, Condition E

**Temperature Rise:**

Per MIL-PRF-15733 and UL1283

**R.F. Radiation:**

100 dB minimum shielding effectiveness

**Insertion Loss:**

100 dB from 14 kHz - 10 GHz per MIL-STD-220A, under standard load condition

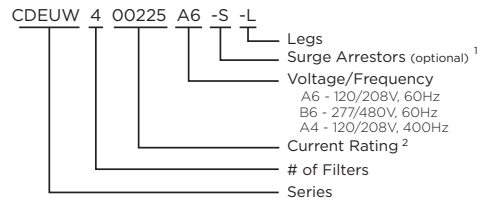
**Applicable Publications:**

- MIL-PRF-15733** – Filters, radio interference
- MIL-STD-202** – Test methods for Components
- MIL-STD-220A** – Test method of Insertion Loss
- MIL-STD-285** – Test method for Shielding Effectiveness
- NFPA 70-1987** – National Electric Code
- 486A - 1983** – Wire Connectors and Lug
- UL1283** – Underwriter Laboratories



Shown with optional legs

**How to Order:**



Examples:

- CDEUW400225A6-S-L = 4, 225A CDEUW, 120/280V filters in cabinet with surge arrestors and legs
- CDEUW300030B6 = 3, 30A CDEUW, 277/480V filters in cabinet

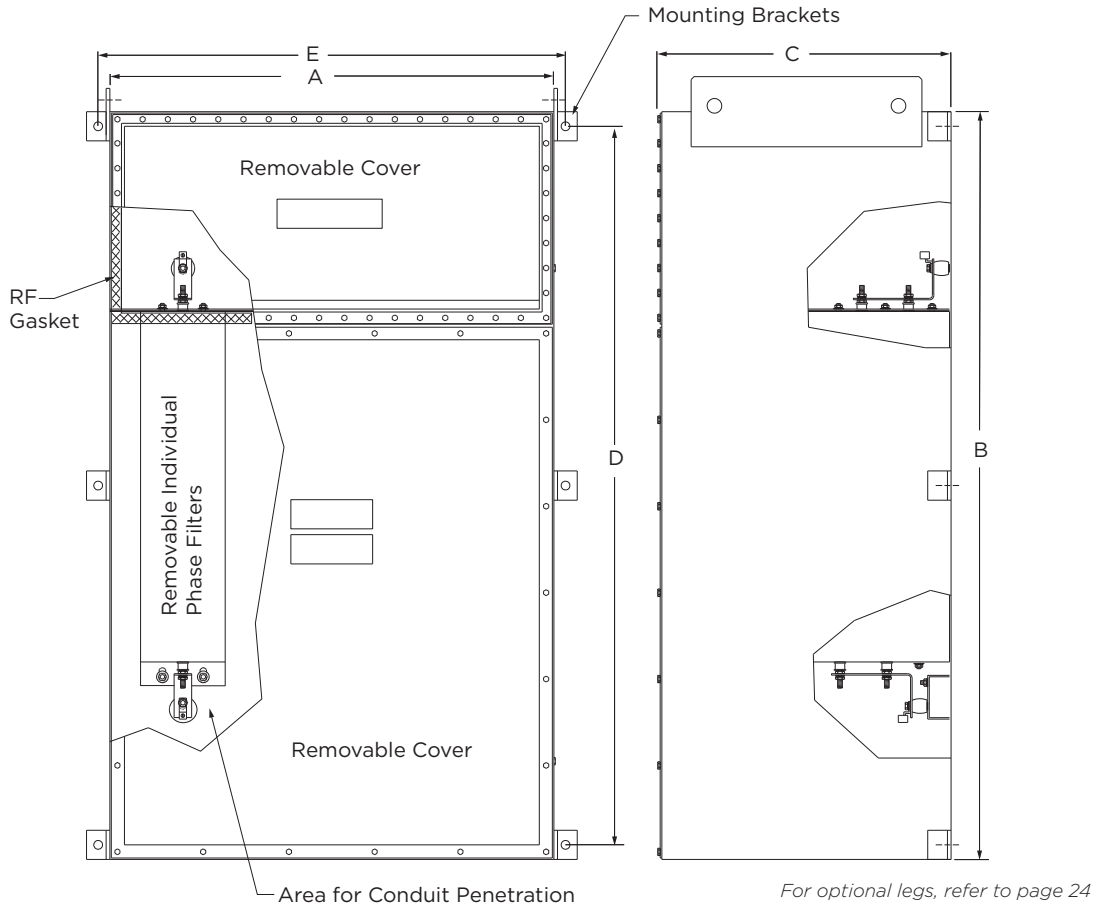
Note 1: Surge Arrestor for A6/A4\* Models: V251BA60  
Surge Arrestor for B6 Models: V481BA60

Note 2: Current configuration listed as 5 digits with leading zeros

† Not intended for HEMP applications. Refer to the CDEUL(≤150A) page 12 or TECUL Series (≥225A) page 14 for HEMP applications..

† 60 Hz Models Only

**CDEUW Series (Capacitive Input) (continued)**



Current (Amps)	Dimensions					Weight (Pounds/KG)
	A	B	C	D	E	
2 x 10	14.0	30.0	6.0	22.0	16.0	95
	<i>355.6</i>	<i>762.0</i>	<i>152.4</i>	<i>558.8</i>	<i>406.4</i>	<i>43.1</i>
3 x 10	20.0	30.0	6.0	22.0	22.0	100
	<i>508.0</i>	<i>762.0</i>	<i>152.4</i>	<i>558.8</i>	<i>558.8</i>	<i>45.4</i>
4 x 10	26.0	30.0	6.0	22.0	28.0	120
	<i>660.4</i>	<i>762.0</i>	<i>152.4</i>	<i>558.8</i>	<i>711.2</i>	<i>54.4</i>
2 x 30	16.0	38.0	8.0	26.0	18.0	170
	<i>406.4</i>	<i>965.2</i>	<i>203.2</i>	<i>660.4</i>	<i>457.2</i>	<i>77.1</i>
3 x 30	23.0	38.0	8.0	26.0	25.0	240
	<i>584.2</i>	<i>965.2</i>	<i>203.2</i>	<i>660.4</i>	<i>635.0</i>	<i>108.9</i>
4 x 30	30.0	38.0	8.0	26.0	32.0	300
	<i>762.0</i>	<i>965.2</i>	<i>203.2</i>	<i>660.4</i>	<i>812.8</i>	<i>136.1</i>
2 x 60 & 100	16.0	44.0	10.0	32.0	18.0	240
	<i>406.4</i>	<i>1117.6</i>	<i>254.0</i>	<i>812.8</i>	<i>457.2</i>	<i>108.9</i>
3 x 60 & 100	23.0	44.0	10.0	32.0	25.0	310
	<i>584.2</i>	<i>1117.6</i>	<i>254.0</i>	<i>812.8</i>	<i>635.0</i>	<i>140.6</i>
4 x 60 & 100	30.0	44.0	10.0	32.0	32.0	400
	<i>762.0</i>	<i>1117.6</i>	<i>254.0</i>	<i>812.8</i>	<i>812.8</i>	<i>181.4</i>

Current (Amps)	Dimensions					Weight (Pounds/KG)
	A	B	C	D	E	
2 x 150	16.0	54.0	14.0	42.0	18.0	320
	<i>406.4</i>	<i>1371.6</i>	<i>355.6</i>	<i>1066.8</i>	<i>457.2</i>	<i>145.1</i>
3 x 150	23.0	54.0	14.0	42.0	25.0	430
	<i>584.2</i>	<i>1371.6</i>	<i>355.6</i>	<i>1066.8</i>	<i>635.0</i>	<i>195.0</i>
4 x 150	30.0	54.0	14.0	42.0	32.0	650
	<i>762.0</i>	<i>1371.6</i>	<i>355.6</i>	<i>1066.8</i>	<i>812.8</i>	<i>294.8</i>
2 x 225	16.0	54.0	14.0	42.0	18.0	380
	<i>406.4</i>	<i>1371.6</i>	<i>355.6</i>	<i>1066.8</i>	<i>457.2</i>	<i>172.4</i>
3 x 225	23.0	54.0	14.0	42.0	25.0	520
	<i>584.2</i>	<i>1371.6</i>	<i>355.6</i>	<i>1066.8</i>	<i>635.0</i>	<i>235.9</i>
4 x 225	30.0	54.0	14.0	42.0	32.0	700
	<i>762.0</i>	<i>1371.6</i>	<i>355.5</i>	<i>1066.8</i>	<i>812.8</i>	<i>317.5</i>

\*400Hz filters available upon request. Will require external power factor correction coil. Please contact Tyco Electronics Application Engineering 847-573-6517.

Max. Operating Voltage	
A6:	120/208V, 60 Hz
B6:	277/480V, 60 Hz
A4*:	120/208V, 400 Hz

Recommended torque for fasteners on removable cover: 25 in. lb. ± 3 in. lb.