

CDEUW Series (Capacitive Input)

CDEUW Series



60 Hz Models Only

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

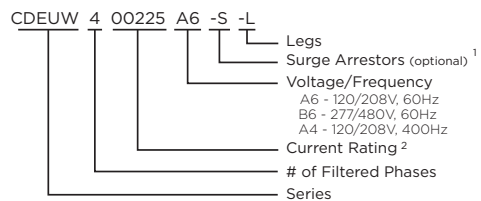
Applicable Publications:

- 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** – UL standard for EMI Filters



Shown with optional legs
Center mounting bracket not installed on all sizes

How to Order:



Examples:

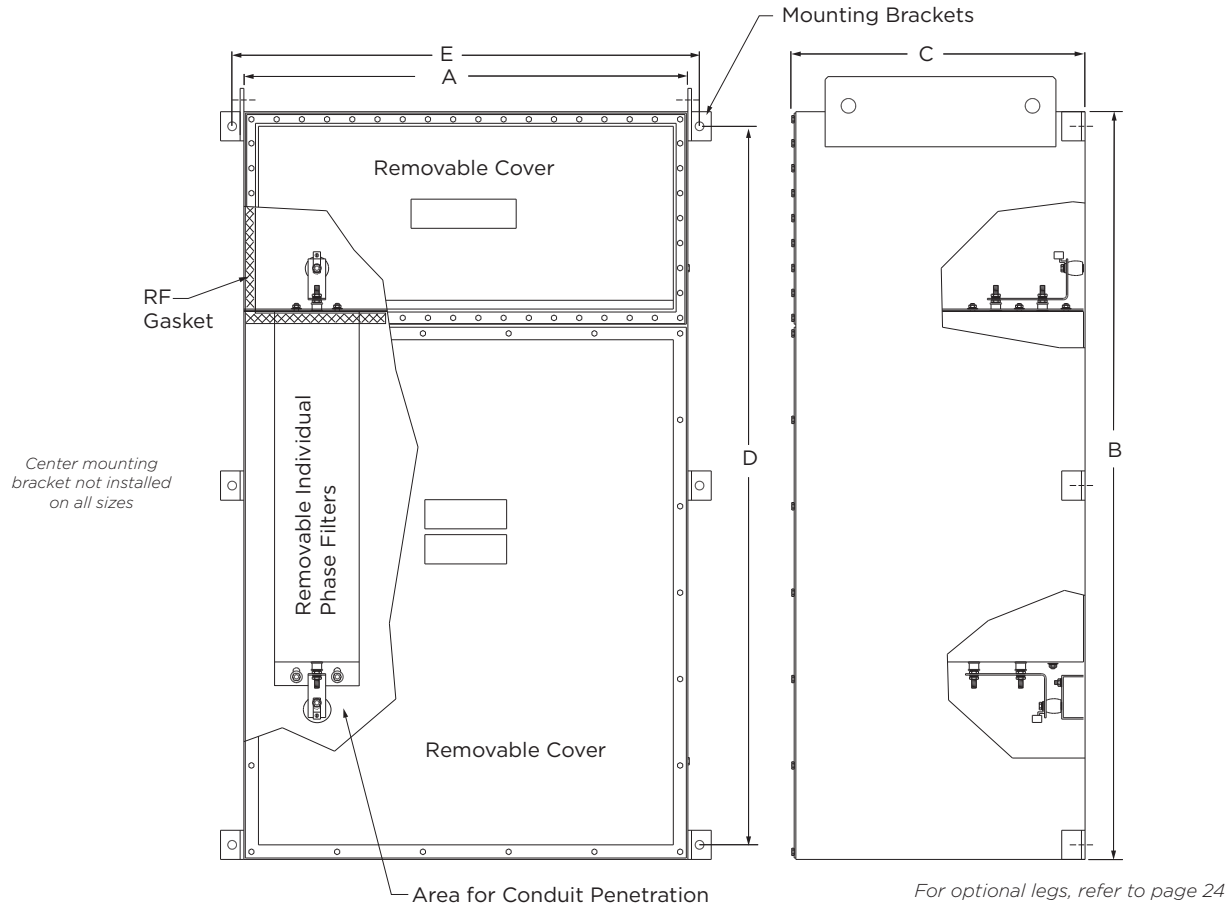
- CDEUW400225A6-S-L =
4, 225A CDEUW, 120/280V filters in cabinet
with surge arrestors and legs
- CDEUW300030B6 =
3, 30A CDEUW, 277/480V filters in cabinet

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..

CDEUW Series (Capacitive Input) *(continued)*



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

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

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

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

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