

# SERIES PLF

# POWER LINE FILTER

The **Series PLF** was designed to deliver clean isolated power into shielded spaces or areas that are not capable of housing tempest rated Motor Generator Sets. These filters range from 5 amps to 1200 amps in 2 to 5 wire versions, however the 4 wire model is the most common. The **Series PLF** are manufactured with inductive inputs and capacitive inputs depending upon the customers primary loads down-stream of the power line filter. The model PLFC1 is rated for 100dB from 14K to 10G with a maximum of 1% voltage drop at full load. The **Series PLF** are delivered with lifting eyes and legs for the larger units to ease installation. The case is made from 14 gauge cold rolled steel with an isolation bulkhead that has a separate compartment for ease of clean side connections. The Series PLF can be mounted in any geometry.



## Standard Equipment Features

- Rated up to 480Volts
- Operated at 50 or 60 HZ
- Isolated Clean Side
- Individual circuits separated from other circuits via single modules
- 1% maximum voltage drop at full load
- 150% maximum overload for 15 minutes
- Sealed welded and soldered for maximum shielding effectiveness
- Bleeder resistors in each circuit
- MIL-F-15733
- MIL-STD-202
- MIL-STD-220
- NFPA 70-1987

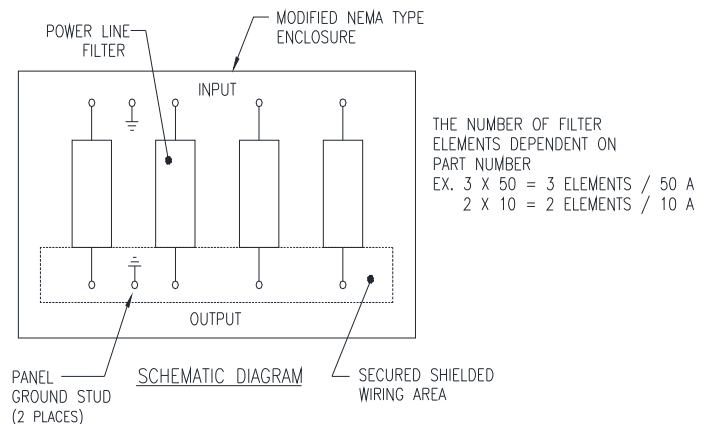
## Optional Features

- Rated up to 600Volts
- Legs
- Custom Enclosures
- 150% Neutral leg
- 200% Neutral leg
- Wall Mounting Kit
- Handles for larger filters

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# System Specifications

INPUT						OUTPUT		
Nominal Voltage Available						Nominal Voltage Available		
➤ @ 60 Hz		208, 240, 480				➤ @ 60 Hz		208/120, 480/277
➤ @ 50 Hz		380, 400, 415				➤ @ 50 Hz		400/230, 380/220, 208/120
➤ Phase		2 to 5 Wire				➤ Phase		2 to 5 Wire
➤ Frequency Tolerance		50, 60				Voltage Drop		
SERIES PLF - Ratings, Dimensions & Weight						➤ Total		1% Max
MODEL	AMPS	POLES	H	W	D	ENVIRONMENT		
PLFCI30030	30	3	34	23	8.25	➤ Temperature		-10° C to 85° C
PLFCI30060	60	3	42	26	8.25	➤ Altitude		0 to 3000m 0 to 15000 ft
PLFCI30100	100	3	42	26	8.25	➤ Humidity		0 to 95% non-condensing
PLFCI30150	150	3	51	30	10	➤ Noise Level		< 40 dBa, 1 meter (3 ft)
PLFCI30200	200	3	51	30	10			
PLFCI30250	250	3	51	30	10			
PLFCI30300	300	3	72	39	14			
PLFCI30400	400	3	72	39	14			
PLFCI30800	800	3	72	70	14			
PLFCI40030	30	4	34	23	8.25			
PLFCI40060	60	4	42	26	8.25			
PLFCI40070	70	4	42	26	8.25			
PLFCI40100	100	4	42	26	8.25			
PLFCI40150	150	4	51	30	10			
PLFCI40200	200	4	51	30	10			
PLFCI40225	225	4	51	30	10			
PLFCI40250	250	4	51	30	10			
PLFCI40300	300	4	80	39	14			
PLFCI40400	400	4	80	39	14			
PLFCI40800	800	4	80	39	14			



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