

# SOLUTIONS FOR POWER FILTERING

## MULTIPLE CIRCUIT POWER FILTERS

*LRE SERIES*



**THE SUREST SOLUTION BY ANY MEASURE™**

 **ETS·LINDGREN®**

An ESCO Technologies Company

[ets-lindgren.com](http://ets-lindgren.com)

## Features:

- High Performance for Moderate Requirements
- Dual or Multiple Lines
- Maximum Voltage:
  - 0 to 60 Hz:  
277V to GND;  
480V Line to Line
  - 0 to 400 Hz:  
125V to GND;  
208V Line to Line
- Frequency Range:  
150 kHz - 18 GHz
- Insertion Loss:  
100 dB RE

## LRE SERIES MULTIPLE CIRCUIT FILTERS

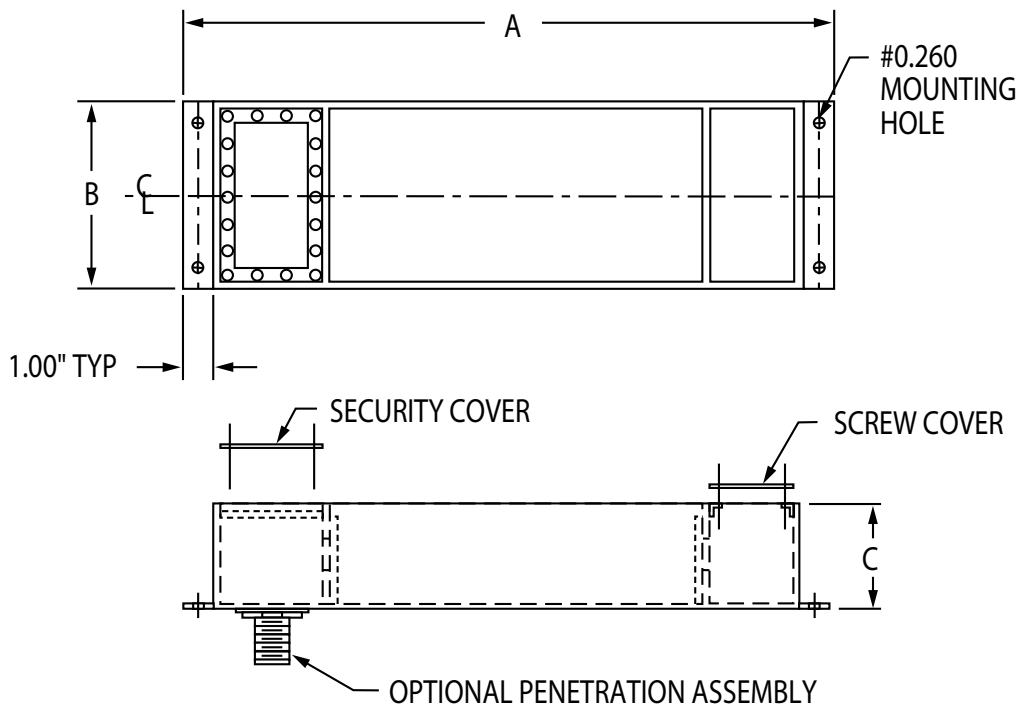
### DESIGNED FOR MODERATE FILTERING REQUIREMENTS

The LRE Series Multiple Circuit Filters are designed for moderate filtering requirements. These filters are typically used on mid-performance modular shielded rooms, screen rooms, or foil-lined rooms. The LRE filters are designed for two, to four wire applications. Like all ETS-Lindgren Power Line Filters, the LRE Series filters are designed and manufactured to meet or exceed UL-1283 and/or MIL-f-15733, though none of these are UL Listed. Optional mounting penetration hardware is available that allows for direct installation through a shielded wall. Power Factor Correction Coils are recommended for 400 Hz filters higher than 30 A. All LRE Series Filters comply with LVD (2006/95, EC) IEC 60939.

*NOTE: For installation on shield, filters can be ordered with penetration kit. Add "IPEN" to model numbers.*

### LRE SERIES DIMENSIONAL DRAWING

*Please refer to opposite page for dimensional information.*



1. PENETRATION ASSEMBLY IS OPTIONAL AND MUST BE SPECIFIED WHEN REQUIRED.
2. GROUNDING STUD PROVIDED INSIDE INPUT AND OUTPUT WIRING COMPARTMENTS.
3. ADDITIONAL MOUNTING HOLES PROVIDED IN MOUNTING FLANGE ON 3 AND 4 LINE FILTERS.

### LRE Series Two Line Circuit Commercial (277/480 VAC, 50/60 Hz)

MODEL	RATED CURRENT	DIMENSIONS (A x B x C)
LRE-2030	30 Amps	53.98 cm x 12.70 cm x 7.62 cm (21.25 in x 5.00 in x 3.00 in)
LRE-2050	50 Amps	81.28 cm x 22.86 cm x 15.24 cm (32.00 in x 9.00 in x 6.00 in)
LRE-2060	60 Amps	81.28 cm x 22.86 cm x 15.24 cm (32.00 in x 9.00 in x 6.00 in)
LRE-2075	75 Amps	106.68 cm x 25.40 cm x 25.40 cm (42.00 in x 10.00 in x 10.00 in)
LRE-2100	100 Amps	106.68 cm x 25.40 cm x 25.40 cm (42.00 in x 10.00 in x 10.00 in)
LRE-2150	150 Amps	106.68 cm x 25.40 cm x 25.40 cm (42.00 in x 10.00 in x 10.00 in)
LRE-2225	225 Amps	152.40 cm x 30.48 cm x 35.56 cm (60.00 in x 12.00 in x 14.00 in)
LRE-2250	250 Amps	152.40 cm x 30.48 cm x 35.56 cm (60.00 in x 12.00 in x 14.00 in)
LRE-2300	300 Amps	152.40 cm x 30.48 cm x 35.56 cm (60.00 in x 12.00 in x 14.00 in)
LRE-2400	400 Amps	152.40 cm x 30.48 cm x 35.56 cm (60.00 in x 12.00 in x 14.00 in)

### LRE Series Two Line Circuit Commercial (125/208 VAC, 400 Hz)

MODEL	RATED CURRENT	DIMENSIONS (A x B x C)
LRE-2030-4	30 Amps	53.98 cm x 12.70 cm x 7.62 cm (21.25 in x 5.00 in x 3.00 in)
LRE-2050-4	50 Amps	111.76 cm x 35.56 cm x 15.24 cm (44.00 in x 14.00 in x 6.00 in)
LRE-2060-4	60 Amps	111.76 cm x 35.56 cm x 15.24 cm (44.00 in x 14.00 in x 6.00 in)
LRE-2075-4	75 Amps	111.76 cm x 35.56 cm x 15.24 cm (44.00 in x 14.00 in x 6.00 in)
LRE-2100-4	100 Amps	Call Factory
LRE-2150-4	150 Amps	Call Factory
LRE-2225-4	225 Amps	152.40 cm x 30.48 cm x 35.56 cm (60.00 in x 12.00 in x 14.00 in)
LRE-2250-4	250 Amps	152.40 cm x 30.48 cm x 35.56 cm (60.00 in x 12.00 in x 14.00 in)
LRE-2300-4	300 Amps	Call Factory
LRE-2400-4	400 Amps	Call Factory

### LRE Series Three Line Circuit Commercial (277/480 VAC, 50/60 Hz)

MODEL	RATED CURRENT	DIMENSIONS (A x B x C)
LRE-3030	30 Amps	53.98 cm x 19.05 cm x 7.62 cm (21.25 in x 7.50 in x 3.00 in)
LRE-3050	50 Amps	81.28 cm x 34.29 cm x 15.24 cm (32.00 in x 13.50 in x 6.00 in)
LRE-3060	60 Amps	81.28 cm x 34.29 cm x 15.24 cm (32.00 in x 13.50 in x 6.00 in)
LRE-3075	75 Amps	106.68 cm x 38.10 cm x 25.40 cm (42.00 in x 15.00 in x 10.00 in)
LRE-3100	100 Amps	106.68 cm x 38.10 cm x 25.40 cm (42.00 in x 15.00 in x 10.00 in)
LRE-3150	150 Amps	106.68 cm x 38.10 cm x 25.40 cm (42.00 in x 15.00 in x 10.00 in)
LRE-3225	225 Amps	Call Factory
LRE-3250	250 Amps	Call Factory
LRE-3300	300 Amps	Call Factory
LRE-3400	400 Amps	Call Factory

### LRE Series Three Line Circuit Commercial (125/208 VAC, 400 Hz)

MODEL	RATED CURRENT	DIMENSIONS (A x B x C)
LRE-3030-4	30 Amps	53.98 cm x 19.05 cm x 7.62 cm (21.25 in x 7.50 in x 3.00 in)
LRE-3050-4	50 Amps	Call Factory
LRE-3060-4	60 Amps	111.76 cm x 53.34 cm x 15.24 cm (44.00 in x 21.00 in x 6.00 in)
LRE-3075-4	75 Amps	Call Factory
LRE-3100-4	100 Amps	Call Factory
LRE-3150-4	150 Amps	Call Factory
LRE-3225-4	225 Amps	Call Factory
LRE-3250-4	250 Amps	Call Factory
LRE-3300-4	300 Amps	Call Factory
LRE-3400-4	400 Amps	Call Factory

### LRE Series Four Line Circuit Commercial (277/480 VAC, 50/60 Hz)

MODEL	RATED CURRENT	DIMENSIONS (A x B x C)
LRE-4030	30 Amps	53.98 cm x 25.40 cm x 7.62 cm (21.25 in x 10.00 in x 3.00 in)
LRE-4050	50 Amps	81.28 cm x 45.72 cm x 15.24 cm (32.00 in x 18.00 in x 6.00 in)
LRE-4060	60 Amps	81.28 cm x 45.72 cm x 15.24 cm (32.00 in x 18.00 in x 6.00 in)
LRE-4075	75 Amps	106.68 cm x 50.80 cm x 25.40 cm (42.00 in x 20.00 in x 10.00 in)
LRE-4100	100 Amps	106.68 cm x 50.80 cm x 25.40 cm (42.00 in x 20.00 in x 10.00 in)
LRE-4150	150 Amps	106.68 cm x 50.80 cm x 25.40 cm (42.00 in x 20.00 in x 10.00 in)
LRE-4225	225 Amps	152.40 cm x 60.96 cm x 25.40 cm (60.00 in x 24.00 in x 10.00 in)
LRE-4250	250 Amps	152.40 cm x 60.96 cm x 25.40 cm (60.00 in x 24.00 in x 10.00 in)
LRE-4300	300 Amps	152.40 cm x 60.96 cm x 25.40 cm (60.00 in x 24.00 in x 10.00 in)
LRE-4400	400 Amps	152.40 cm x 60.96 cm x 25.40 cm (60.00 in x 24.00 in x 10.00 in)

### LRE Series Four Line Circuit Commercial (125/208 VAC, 400 Hz)

MODEL	RATED CURRENT	DIMENSIONS (A x B x C)
LRE-4030-4	30 Amps	53.98 cm x 25.40 cm x 7.62 cm (21.25 in x 10.00 in x 3.00 in)
LRE-4050-4	50 Amps	111.76 cm x 71.12 cm x 15.24 cm (44.00 in x 28.00 in x 6.00 in)
LRE-4060-4	60 Amps	111.76 cm x 71.12 cm x 15.24 cm (44.00 in x 28.00 in x 6.00 in)
LRE-4075-4	75 Amps	111.76 cm x 71.12 cm x 15.24 cm (44.00 in x 28.00 in x 6.00 in)
LRE-4100-4	100 Amps	111.76 cm x 71.12 cm x 15.24 cm (44.00 in x 28.00 in x 6.00 in)
LRE-4150-4	150 Amps	111.76 cm x 71.12 cm x 15.24 cm (44.00 in x 28.00 in x 6.00 in)
LRE-4225-4	225 Amps	Call Factory
LRE-4250-4	250 Amps	Call Factory
LRE-4300-4	300 Amps	Call Factory
LRE-4400-4	400 Amps	Call Factory

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