

# Limitamp\* AR

## Arc Resistant Medium Voltage Motor Control

### Limitamp AR: For That Extra Margin of Protection

The GE Limitamp AR medium voltage motor control centers are the solution for applications where that extra margin of protection is essential. They meet the requirements for IEEE C37.20.7 and provide Type 2B protection for personnel during an arc flash event.

### Directs Energy and Exhaust Away from Personnel

The new uniquely-designed Limitamp AR products have passed a rigorous testing program as specified by the IEEE/ANSI C37.20.7-2007 Type 2B safety standard. They are designed to provide personnel protection on the front, rear, and sides of the enclosure in the event of an arc flash occurrence. This means that when the medium voltage doors are properly secured, the service technician can access the interior of the low voltage compartment and the Limitamp AR provides protection from a potential arc flash event.

In the event of an arc flash, the robust design of the Limitamp AR contains and redirects energy and exhaust gases through special vent flaps on the top of the enclosure, through a plenum system and away from personnel. The side panels are constructed from heavy-duty, reinforced sheet steel with a welded bottom plate. The low voltage compartment is sealed and protected from exhaust gases and other materials.

### Product Features

- Arc flash protection as specified by IEEE/ANSI C37.20.7-2007 Type 2B
- NEMA 1G gasketed doors
- Heavy-duty 1/8 inch (11 gauge) welded sheet steel construction
- Fully isolated low voltage compartment with hinged front door for relays, meters, lights, and switches
- Robust door interlocking system, internal exhaust chimney and pressure-activated top vent flaps
- Unique enclosure and customer specified plenums direct gases and particles away from personnel
- Blades of disconnect switch are visible through safety window
- Provides increased operator safety, reduces PPE requirements
- Ideal for oil & gas, chemical, mining, pulp & paper, water and wastewater treatment applications



## Technical Data

- System voltage: Up to 7.2kV
- Main bus: 1200A, 2000A, 3000A
- 50kA short circuit at 0.5 seconds

## Product Offering

- 1-high and 2-high 400A FVNR (full voltage non-reversing starters)
- 1-high 800A FVNR (full voltage non-reversing starters)
- 1-high 800A FVR (full voltage reversing starters)
- 1-high 400A FVR (full voltage reversing starters)
- RVAT (reduced voltage autotransformer starters)
- RVPR (reduced voltage primary reactor starters)
- 2S1W (two speed, single winding starters)
- 2S2W (two speed, dual winding starters)
- 400A MVSS (medium voltage solid-state starters)
- IC-1074 load break switches
- SYNC excitation starters
- Main, Feeder and Tie sections
- Incoming line cable sections
- Auxiliary sections

## Standards and Approvals

- IEEE C37.20.7-2007 – Type 2B & UL 347
- ICC-ES AC156-2010 Seismic
- IEEE 693-2005
- IBC2009 & ASC&-05

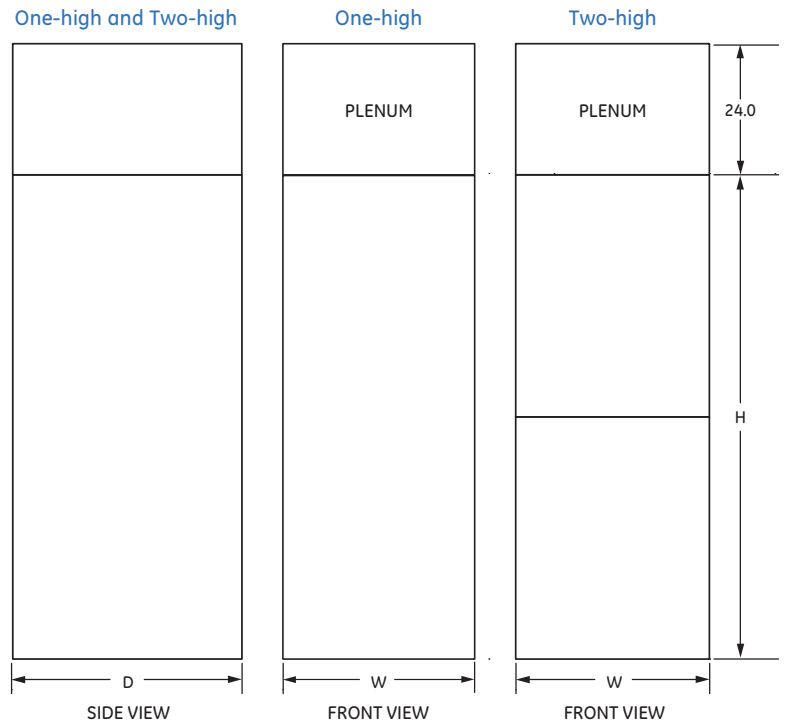


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## CR194 AR 400A, Stationary or Draw-out, Outline Dimensions



Ampere	Unit Description	Height (in.)	Width (in.)	Depth (in.)
400A	1-High, 36" wide, BTM Cable Entry	90 <sup>1</sup>	36	42
	1-High, 40" wide, BTM Cable Entry	90 <sup>1</sup>	40	42
	1-High, 36" wide, TOP Cable Entry	90 <sup>1</sup>	36	42
	1-High, 40" wide, TOP Cable Entry	90 <sup>1</sup>	40	42
	2-High, 36" wide, BTM Cable Entry	90 <sup>1</sup>	36	42
	2-High, 40" wide, BTM Cable Entry	90 <sup>1</sup>	40	42
	2-High, 36" wide, TOP Cable Entry	90 <sup>1</sup>	36	42
	2-High, 40" wide, TOP Cable Entry	90 <sup>1</sup>	40	42
800A	2-High, 48" wide, BTM Cable Entry	90 <sup>1</sup>	48	42
	2-High, 48" wide, TOP Cable Entry	90 <sup>1</sup>	48	42

<sup>1</sup>Add 0.12" for welded bottom plate

## Reference Publications

### Standard, non-Arc Resistant Limitamp

Vacuum Contactors	GEH-5306
Installation Instructions	GEH-6263
Application and Selection Guide	GET-6840
Load-Break Switches Installation Instructions	GEH-4268
Vacuum Contactors, Renewal Parts Bulletin	GEF-8016

### Limitamp AR

Limitamp AR Application Guide	DET-745
Limitamp AR Installation Instructions	DEH-6790

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