

## Integrated Power Center 2 (IPC2™) Application Guide Class 2230

Retain for future use.

### Introduction

Square D™ Integrated Equipment integrates electrical distribution and controls in a factory assembled and pre-wired solution. Designed with the flexibility to meet individual customer requirements, Integrated Power Center 2 (IPC2™) enclosures are available with NQ™, NF, and I-Line™ panelboard interiors and distribution dry transformers.

Optional distribution and control equipment include Powerlink™ lighting control, contactors, PowerLogic monitoring and metering, automatic transfer switches, and Surge Protective Device (SPD). IPC2 solutions can be further customized to include third party components such as building management systems.

All IPC2 sections are available in Type 1, Type 1 with driphood, or Type 3R enclosures. IPC2 equipment is listed to UL891.

**NOTE:** Custom configurations may be available depending upon your application needs.

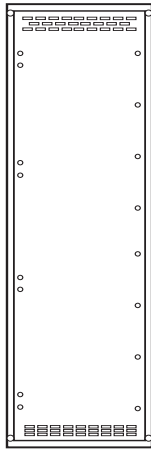
**NOTE:** The 42-circuit limitation for Lighting and Appliance Panelboards has been removed from Article 408 of the 2008 National Electrical Code® (NEC®) and later editions. If a 2008 or later edition of the NEC has not been adopted for use in your area, you are still required to adhere to the 42-circuit rule for Lighting and Appliance panelboards.

**Figure 1: Integrated Power Center 2 (IPC2™)**



## Full Height or Stacked Equipment Space

**Figure 2: Equipment Space**  
24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

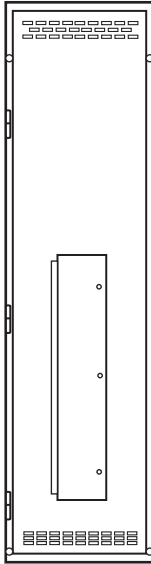
### Equipment Space—1/2 Height or Full Height

- Backplate size 17.75 in. w x 40.75 in. h
- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see "Appendix" on page 79.

## Full Height NQ or NF Panelboard

Figure 3: NQ—Full Height  
24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

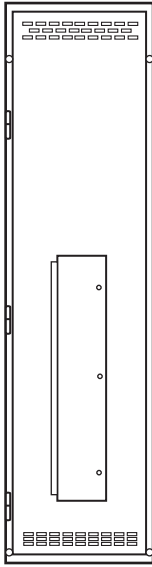
### NQ—Full Height

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO, 42, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breakers (225 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 400 A max. MLO, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed lugs
- 600 A max. MLO, 42, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breakers (225 A max.)
    - Surge Protective Device (SPD)
- 600 A max. MLO, 84 circuits
  - Option: Feed-through lugs
- 400 A max. vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breakers (225 A max.), not available with 200% neutral
    - Surge Protective Device (SPD)
- 400 A max. vertical Main circuit breaker, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 400 A max. vertical Main circuit breaker, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs

Figure 2 (cont.)



- 600 A max. vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 600 A max. vertical Main circuit breaker, 54, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs

### NF Full Height or NF Powerlink G3 Full Height

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

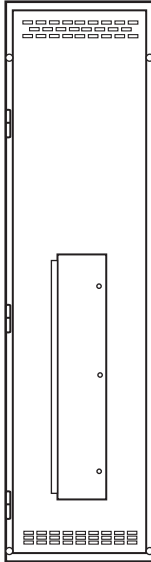
- 250 A MLO, 42, 54, 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breakers (250 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD), (54 circuits max.)
- 400 A MLO, 42, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breakers (250 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 400 A MLO, 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lug
- 400 A MLO, 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 600 A MLO, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breakers (250 A max.)
    - Surge Protective Device (SPD)

**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

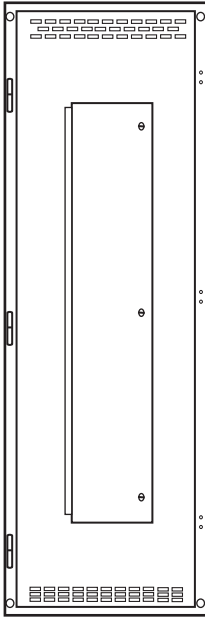
Figure 2 (cont.)



- 600 A MLO, 54, 66, 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Options: None
- 250 A max. Main circuit breaker, 42, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breakers (250 A max.)
    - Surge Protective Device (SPD)
- 250 A max. Main circuit breaker, 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Feed-through lugs
- 400 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breakers (250 A max.)
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 400 A max. Main circuit breaker, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Feed-through lugs
- 600 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breakers (250 A max.)
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 600 A max. Main circuit breaker, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 600 A MLO, or a Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 600 A MLO, or a Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

## Full Height Single Row I-Line Panel

Figure 3: 30 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



### HCP-SU Single Row I-Line

SCCR 10–200 kA

600 Vac max.

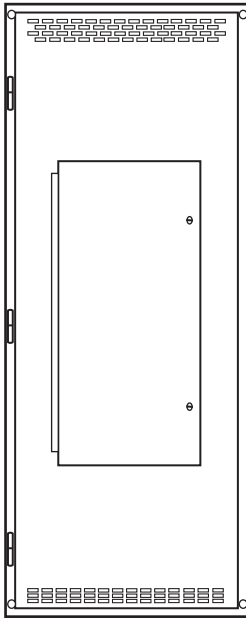
Single Row Mounting

- 800 A max. MLO with 54-in. circuit breaker mounting space without a Main Lug kit
  - Feeder circuit breaker: 600 A
  - Options:
    - Non Linear (200% neutral), 400 A max.
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A max. Back-Fed MCB with 54-in. circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 600 A
  - Options:
    - Non Linear (200% neutral), 400 A max.
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

## Full Height HCM, I-Line Panel

Figure 4: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



### HCM I-Line

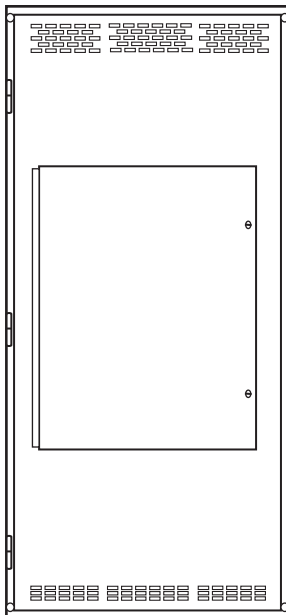
SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A max. MLO with 99-in. circuit breaker mounting space
  - Feeder circuit breaker: 250 A max.
  - Options:
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A max. Vertical Main circuit breaker with 36-in. circuit breaker mounting space
  - Feeder circuit breaker: 250 A max.
  - Options:
    - Sub-feed lugs
    - Surge Protective Device (SPD)

## Full Height HCP, I-Line Panel

Figure 5: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



### HCP I-Line

SCCR 10–200 kA

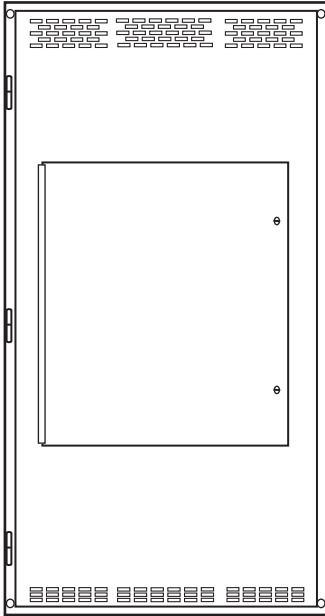
600 Vac max., double-row mounting

- 1200 A max. MLO with 99-in. max. circuit breaker mounting space
  - Feeder circuit breaker: 800 A max.
  - Options:
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A Main circuit breaker (Backfed) with 99-in. max. circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 800 A max.
  - Options:
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

## Full Height HCR-U, I-Line Panel

Figure 6: 48 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R

### HCR-U I-Line

SCCR 10–200 kA

600 Vac max., double-row mounting

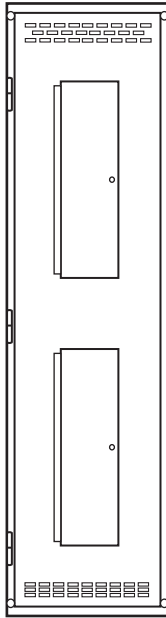
- 1200 A MLO, max. with 108-in. max. circuit breaker mounting space without the Main Lug Kit
  - Feeder circuit breaker: 1200 A max.
  - Options:
    - Non Linear (200% neutral)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 1200 A max., Main circuit breaker (Backfed), with 108-in. max. circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 1200 A max.
  - Options:
    - Non Linear (200% neutral)
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** Metering options are available for the main and branch circuits, contact your Schneider Electric representative for details.



## Stacked NQ/NF Panels

Figure 7: 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO—max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs, not available with 200% neutral
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs), and 1–225 A max. MLO, 42 circuit interiors (Options: None)

**NOTE:** 60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NF Stacked or NF Powerlink G3 Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

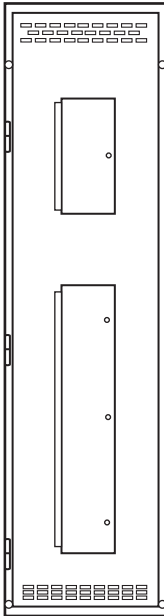
- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

## Stacked NQ or NF Panelboard

Figure 8: 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NQ Stacked Top (1/4 Height)

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 100 A MLO, max. 18 circuits
  - Branch circuit breakers: 100 A max.
  - Options: None
- 100 A, Main circuit breaker (Backfed), max. 15 circuits
  - Branch circuit breakers: 100 A max.
  - Options: None

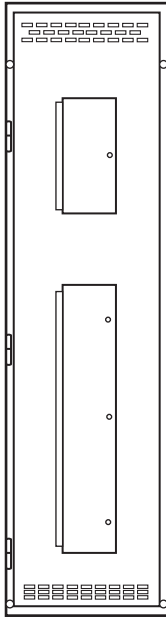
### NQ Stacked Bottom (3/4 Height)

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 225 A MLO, max. 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 600 A MLO, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 225/250 A max. Vertical Main circuit breaker, 42 circuits max.
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 250 A max. Vertical Main circuit breaker, 54, 72 circuits max.
  - Branch circuit breakers: 150 A max.
  - Options: None

Figure 8 (cont.)



**NOTE:** 250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### NF Stacked Bottom or NF Powerlink G3 Stacked Bottom

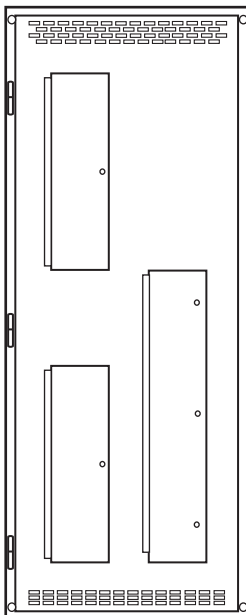
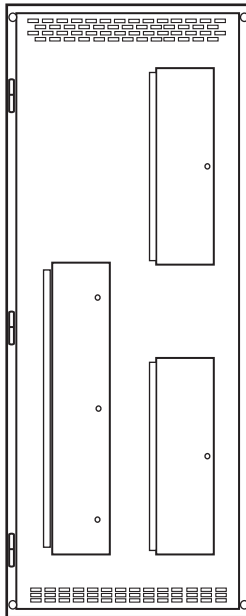
SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- 250 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 250 A Vertical Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Master 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

## Side-by-Side NQ Panelboard

Figure 9: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

For max. quantity of contactors see the "Appendix" on page 79.

### NQ Side-by-Side—NF not permitted

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO 42, 54, 72, 84 circuits max.
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed circuit breaker (225 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 225/250 A Vertical Main circuit breaker, 42, 54, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NQ Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)



60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

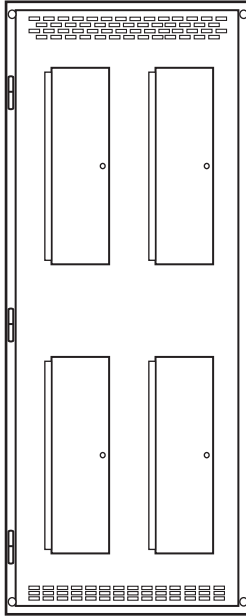
### Equipment Space—Stacked

Backplate size 17.75-in. w x 40.75-in. h

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

## Side-by-Side Stacked NQ Panelboard

Figure 10: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Stacked—NF not permitted

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

**NOTE:** 60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### Equipment Space—Stacked

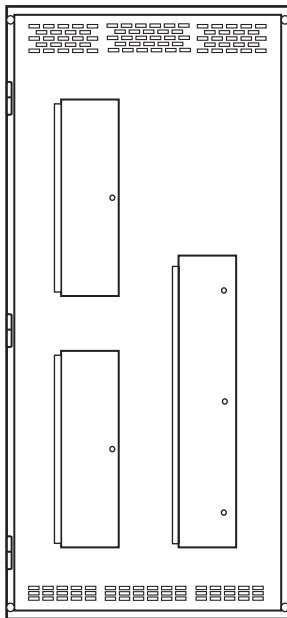
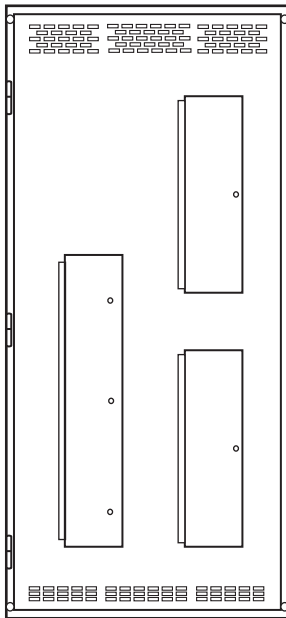
Backplate size 17.75-in. w x 40.75-in. h

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see "Appendix" on page 79.

## Side-by-Side NF Panelboard

Figure 11: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NF Stacked or NF Powerlink G3 Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### Equipment Space—Stacked

Backplate size 17.75-in. w x 40.75-in. h

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

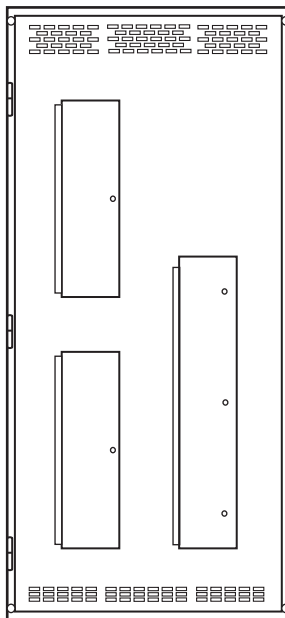
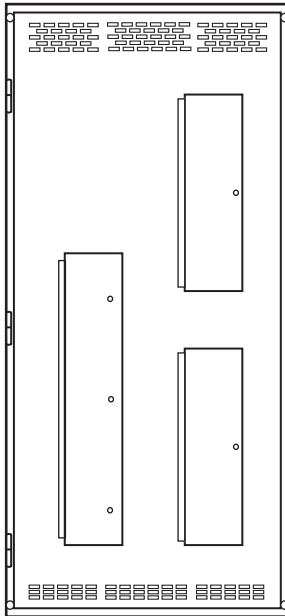
### NF Side-by-Side or NF Powerlink G3 Side-by-Side

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- 250 A MLO 42, 54, 66, 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breaker (250 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)

Figure 11 (cont.)

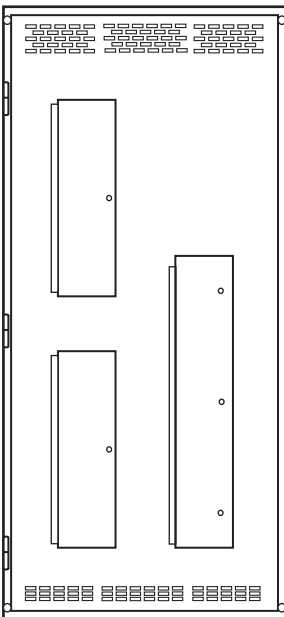
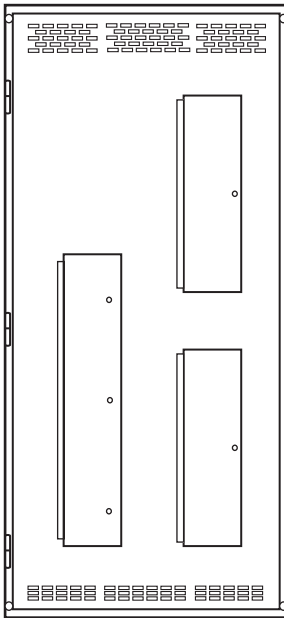


- 400 A MLO 42, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breaker (2-250 A or 1-400 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 400 A MLO 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in this circuit count
  - Option: Sub-feed lugs
- 400 A MLO 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 600 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breaker (2-250 A or 1-400 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 600 A MLO 54, 66, 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in 66 or 84 circuit interiors
  - Options: None
- 250 A Main circuit breaker, 42, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (250 A max.)
    - Surge Protective Device (SPD)
- 250 A Main circuit breaker, 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in this circuit count
  - Option: Feed-through lugs

**NOTE:** 250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

Figure 11 (cont.)

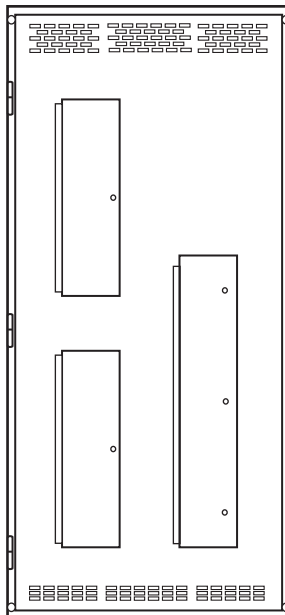
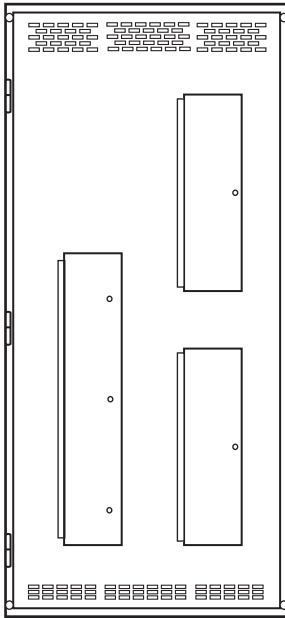


- 400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (2-250 A or 1-400 A max.)
    - Surge Protective Device (SPD)
- 400 A Main circuit breaker, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Feed-through lugs
- 600 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (2-250 A or 1-400 A max.)
    - Surge Protective Device (SPD)
- 600 A Main circuit breaker, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 600 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 600 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Master 600 A Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 600 A Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel



## Side-by-Side NQ Panelboard

Figure 12: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Options: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### Equipment Space—Stacked

Backplate size 17.75-in. w x 40.75-in. h

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

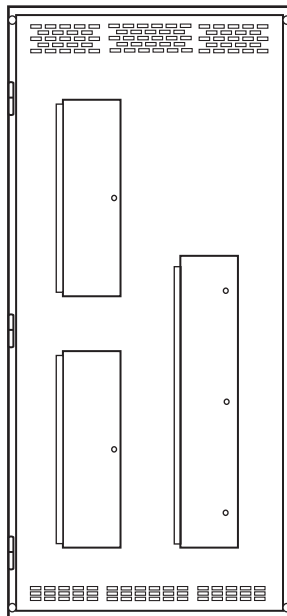
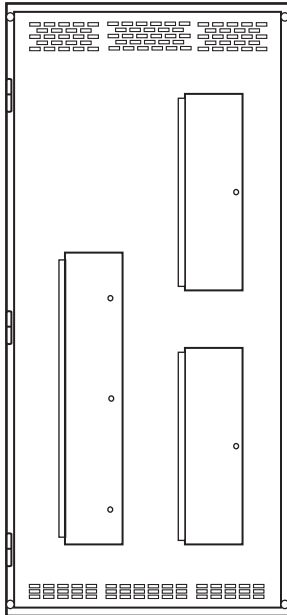
### NQ Side-by-Side

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A MLO, 42, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed circuit breaker (225 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)

Figure 12 (cont.)

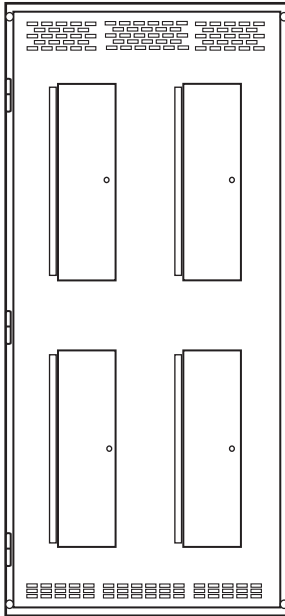


- 400 A MLO, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 600 A MLO, 42, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed circuit breaker (225 A max.)
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 600 A MLO, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 400 A Main circuit breaker, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 400 A Main circuit breaker, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 600 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 600 A Main circuit breaker, 54, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

## Stacked NQ, NF, or NF Powerlink G3 Panelboard

Figure 13: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** For max. quantity of contactors see "Appendix" on page 79.

### NQ Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO, 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NF Stacked or NF Powerlink G3 Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W

- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.)
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Same options as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Same options as NF panel

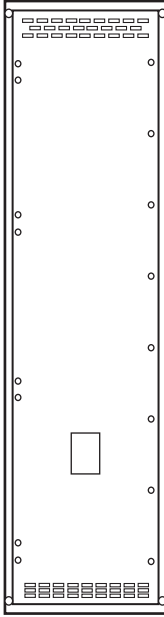
### Equipment Space—Stacked

Backplate size 17.75-in. w x 40.75-in. h

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

## Automatic Transfer Switch Section

Figure 14: 24 in. w x 91.5 in. x 24 in. d  
ATS/Individually-Mounted Circuit  
Breaker  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Stacked Automatic Transfer Switch (1/2 Height)

SCCR 10–65 kA (240 Vac)

SCCR 10–65 kA (480Y/277 Vac)

SCCR 10–50 kA (600Y/347 Vac)

600Y/347 Vac 3Ø4W, or 480Y/277 Vac 3Ø4W, or 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

ATS Ampere ratings 30–400 A with or without switched neutral

Options:

- Programmable Engine Exerciser (11BG)
- Two Utility and two Generator auxiliary contacts (14 AA/14 BA)
- Strip heater with Thermostat (External 120 Volt power source) (44 A)
- Strip heater with Thermostat (Internal Power Source) (44 G)
- Transfer to emergency alarm horn and silence switch (City of Chicago) includes 11BG (62W)
- Serial module (RS-485 interface) (72 A)
- Connectivity Module (Ethernet TCP/IP network) (72E)
- Surge Suppressor
  - (73VN1) for Utility, 1 required—240 volts, 1 phase
  - (73VB1) for Utility and Generator, 2 required—240 volts, 1 phase
  - (73VN3) for Utility, 1 required—208 volts, 3 phase
  - (73VB3) for Utility and Generator—2 required 208 volts, 3 phase

**NOTE:** ASCO 300 Series switches are used as a standard but other unit options and configurations are available. Please contact your Schneider Electric representative to request details or a review of your application.

### Individually Mounted Circuit Breakers (1/2 Height)

SCCR 10–100 kA

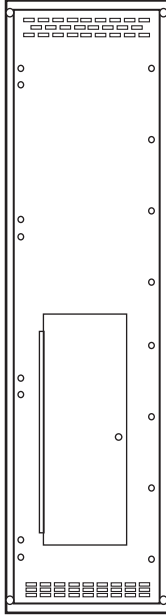
15–800 A circuit breaker trip rating; 600 Vac max.

Circuit breaker options:

- 120 Vac shunt trip
- Handle padlock attachment

## Stacked Automatic Transfer Switch—Stacked NF or NQ

Figure 15: 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Automatic Transfer Switch (1/2 Height)

SCCR 10–65 kA (240 Vac)

SCCR 10–65 kA (480Y/277 Vac)

SCCR 10–50 kA (600Y/347 Vac)

600Y/347 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

ATS Ampere ratings 30–400 A with or without switched neutral

Options:

- Programmable Engine Exerciser (11BG)
- Two utility and two generator auxiliary contacts—14 AA/14 BA
- Strip heater with Thermostat (External 120 Volt power source) (44 A)
- Strip heater with Thermostat (Internal Power Source) (44 G)
- Transfer to emergency alarm horn and silence switch (City of Chicago) includes 11BG (62W)
- Serial module (RS-485 interface) (72 A)
- Connectivity Module (Ethernet TCP/IP network) (72E)
- Surge Suppressor
  - (73VN1) for Utility, 1 required—240 volts, 1 phase
  - (73VB1) for Utility and Generator, 2 required—240 volts, 1 phase
  - (73VN3) for Utility, 1 required—208 volts, 3 phase
  - (73VB3) for Utility and Generator—2 required 208 volts, 3 phase

### Equipment Space (1/2 Height)

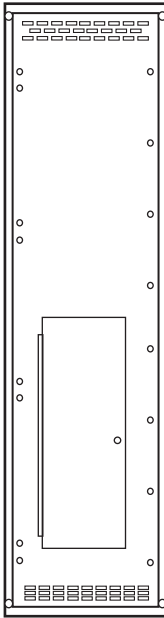
Backplate size 17.75-in. w x 40.75-in. h

Short circuit current rating (SCCR), see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Figure 15 (cont.)



### NQ Stacked Combination

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO, 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Options: Sub-feed lugs
- 250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NF Stacked Combination or NF Powerlink G3 Stacked Combo

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

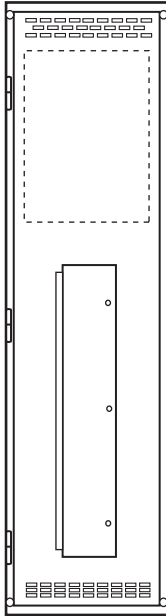
- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: Sub-feed lugs
- NF Powerlink G3 Master, 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave, 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

## Stacked Equipment Space

Figure 16: 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### Equipment Space (1/4 Height)

Backplate size 17.5 in. w x 20.38 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see "Appendix" on page 79.

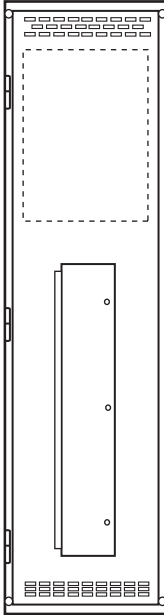
### NQ Stacked Combination (3/4 Height)

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225 A MLO, max. 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 600 A MLO, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 225/250 A max. Vertical Main circuit breaker, 42 circuits max.
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 250 A max. Vertical Main circuit breaker, 54, 72 circuits max.
  - Branch circuit breakers: 150 A max.
  - Options: None

Figure 16 (cont.)



**NOTE:** 250 A NF MLO or Main circuit breaker:  
An optional 200% rated neutral is available in  
combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An  
optional 200% neutral can not be combined with  
any other option in this configuration.

### NF Stacked Combination or NF Powerlink G3 Stacked Combination

SCCR 10–200 kA

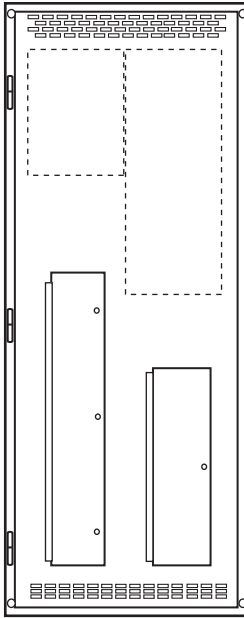
208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W

- 250 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 250 A MLO, max. 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 250 A Vertical Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Master 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel



## NQ Stacked Combination

Figure 17: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** 60 A–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space— Left (1/4 Height)

Backplate size 13.75 in. w x 20.38 in. h  
SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked Combination— Left (3/4 Height)

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42, 54 circuits max.
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 225 A max. MLO, 72, 84 circuits max.
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 225/250 A max. Main circuit breaker, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

### Equipment Space— Right (1/2 Height)

Backplate size 13.75 in. w x 40.75 in. h  
SCCR, see document no. 2010DB0201

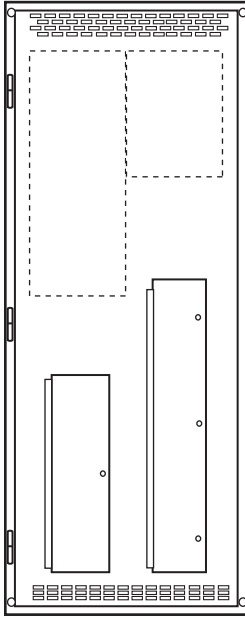
- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks.

### NQ Stacked Combination— Right (1/2 Height)

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Sub-feed lugs
- 225/250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

Figure 18: 36 in. w x 91.5 in. x 24 in. d  
 Type 1 Enclosure



**NOTE:** 60 A–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**Equipment Space—  
 Left (1/2 Height)**

Backplate size 13.75 in. w x 40.75 in. h  
 SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NQ Stacked Combination  
 1/2 Height)**

SCCR 10–200 kA  
 208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42 circuits max.
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**Equipment Space—  
 Right (1/4 Height)**

Backplate size 13.75 in. w x 20.38 in. h  
 SCCR, see document no. 2010DB0201

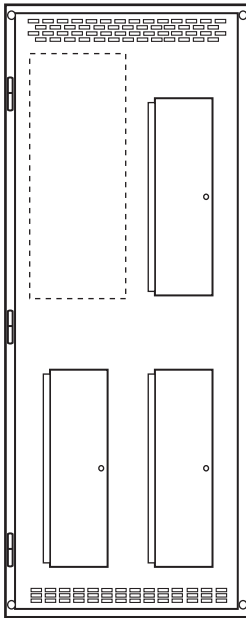
- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NQ Stacked Combination  
 (3/4 Height)**

SCCR 10–200 kA  
 208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 225 A max. MLO, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 225/250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 225/250 A max. Main circuit breaker, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

Figure 19: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** 60 A–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space— 1/2 Height— Left

Backplate size 13.75 in. w x 40.75 in. h  
SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked Combination—Left

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

### NQ Stacked—Right

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

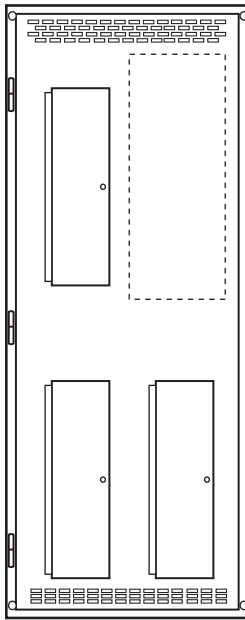
- 225 A max. MLO, 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

### NQ Stacked Combination—Right

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42/54 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

Figure 20: 36 in. w x 91.5 in. x 24 in. d  
 Type 1 Enclosure



**NOTE:** 60 A–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Stacked Combination—Left

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

### NQ Stacked Combination—Left

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

### Equipment Space— 1/2 Height—Right

Backplate size 13.75 in. w x 40.75 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked—Right

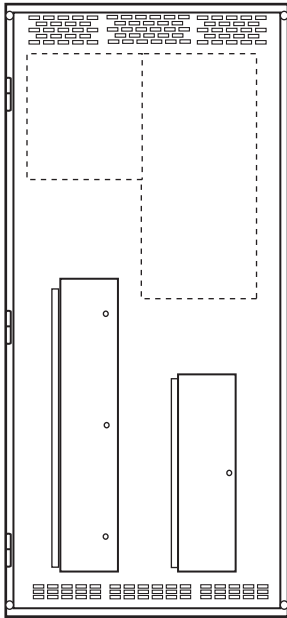
SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42 circuits, top or bottom
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

## NQ, NF, or NF Powerlink G3 Stacked Combination

Figure 21: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** 60 A–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space—Left (1/4 Height)

Backplate size 17.75 in. w x 20.38 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked Combination (3/4 Height)

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 225 A max. MLO, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 400 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 225/250 A Vertical Main circuit breaker, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Option: None

### Equipment Space—Right (1/2 Height)

Backplate size 17.75 in. w x 40.75 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

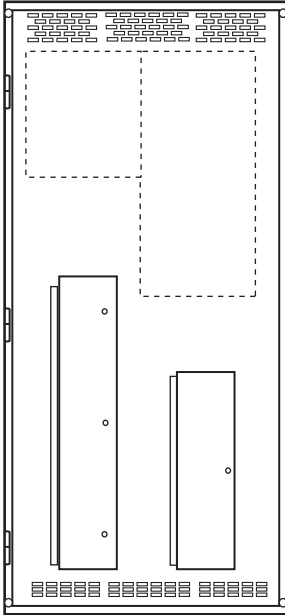
### NQ Stacked Combination (1/2 Height)

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

Figure 21 (cont.)



**NOTE:** 100 A–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300 A–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NF Stacked Combination or NF Powerlink G3 Stacked Combination (3/4 Height)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 250 A max. MLO, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- NF 250 A max. MLO, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF 400 A max. MLO, 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Same options as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Same options as NF panel
- NF Powerlink G3 Master 250 A, Main circuit breaker max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Same options as NF panel
- NF Powerlink G3 Slave 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Same options as NF panel

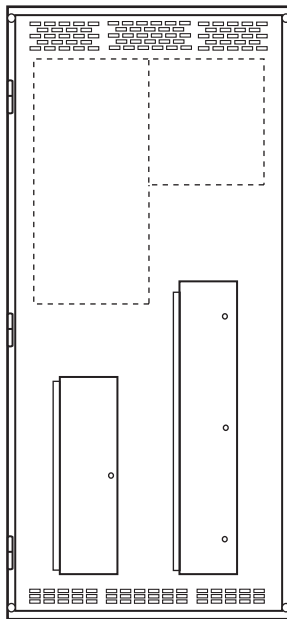
**NF Stacked Combination or NF Powerlink G3 Stacked Combination (1/2 Height)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

Figure 22: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** 60 A–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space—Left (1/2 Height)

Backplate size 17.75 in w x 40.75 in h  
SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and, mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked Combination (1/2 Height)

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

### Equipment Space—Right (1/4 Height)

Backplate size 17.75 in w x 20.38 in h  
SCCR, see document no. 2010DB0201

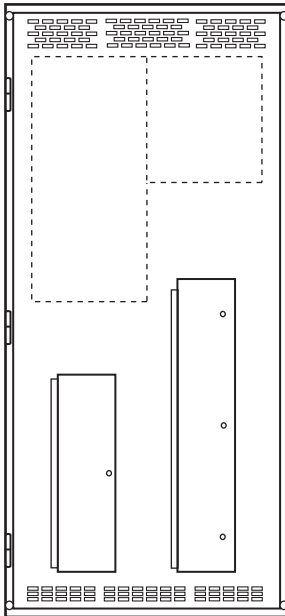
- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and, mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked Combination (3/4 Height)

SCCR 10–200 kA  
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Through-feed lugs
    - Sub-feed Circuit Breaker (225 A max.)
    - Surge Protective Device (SPD)
- 225 A max. MLO, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 400 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Sub-feed lugs
- 225/250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Feed-through lugs
- 225/250 A Vertical Main circuit breaker, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

Figure 22 (cont.)



**NF Stacked Combination or NF Powerlink G3 Stacked Combination (1/2 Height)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A max. MLO, 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**NF Stacked Combination or NF Powerlink G3 Stacked Combination (3/4 Height)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

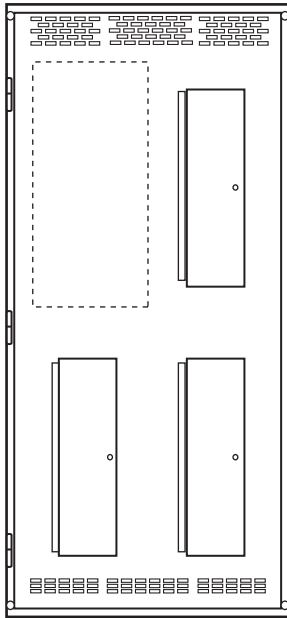
- NF 250 A max. MLO, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- NF 250 A max. MLO, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Master 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 250 A Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**NOTE:** 100 A–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300 A–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.



Figure 23: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



60 A–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral in combination with any of the options listed.

**NOTE:** 100 A–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300 A–400 A NF MLO or Main circuit breaker: An optional 200% rated neutral can not be combined with any other option in this configuration.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**Equipment Space—Left (1/2 Height)**

Backplate size 17.75-in w x 40.75-in h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and, LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NQ Stacked Combination (1/2 Height)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max., MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max., Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NF/NF Powerlink G3 Stacked Combination (1/2 Height)**

SCCR 10 kA–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**NQ Stacked—Right (top or bottom)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max., MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: Two (2)–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: One (1)–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and one (1)–225 A max. MLO, 42 circuit interiors (Options: None)

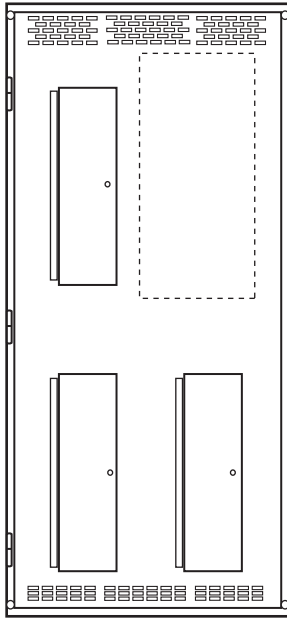
**NF/NF Powerlink G3 Stacked (top or bottom)**

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

Figure 24: 42 in. w x 91.5 in. x 24 in. d  
 Type 1 Enclosure



**NOTE:** 60 A–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** 100 A–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300 A–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Stacked—Left

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max., MLO, 42 circuits
- Branch circuit breakers: 150 A max.
  - Options: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Options: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

### NF/NF Powerlink G3 Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A, MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

### Equipment Space—Right (1/2 Height)

Backplate size 17.75-in. w x 40.75-in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### NQ Stacked Combination (1/2 Height)

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max., MLO, 42 circuits
- Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 250 A max., Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

### NF/NF Powerlink G3 Stacked Combination

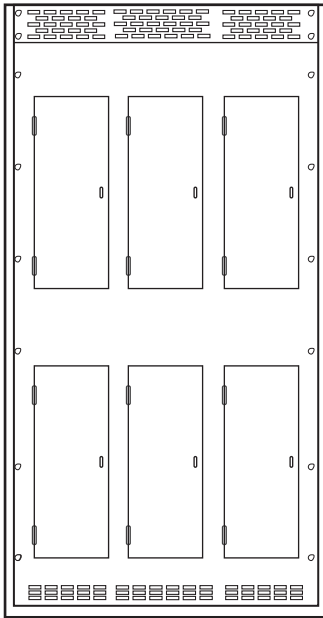
SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

## Stacked Combination

Figure 25: 48 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Stacked—NF panel is not permitted

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max., MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Stacking rules:
    - Stacking configuration 1: 2–225/250 A max. Main circuit breaker, 42 circuit interiors (Options: None)
    - Stacking configuration 2: 1–225 A max. Main circuit breaker, 42 circuit interiors (Option: Feed-through lugs) and 1–225 A max. MLO, 42 circuit interiors (Options: None)

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

Alternate configuration available with three full height 84 circuit panels.

### Equipment Space (1/2 Height) (any of the six locations)

Backplate size 13.75-in. w x 40.75-in. h

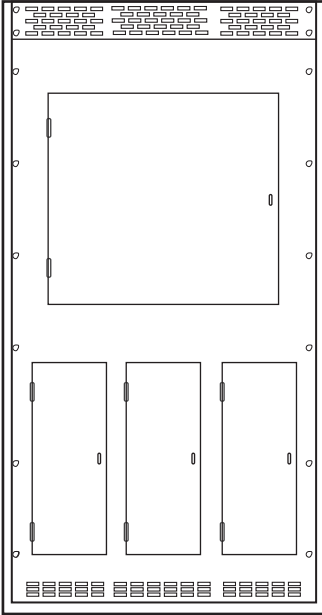
SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s) with load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

## Stacked, Combo, Side-by-Side Panelboard

Figure 26: 48 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### HCP I-Line

SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A max. MLO with 27-in. max. circuit breaker mounting space
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A max. Main circuit breaker (Backfed) with 27-in. max. circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** 45-in. circuit breaker mounting space available when panels are NQ 225 A 42 circuit MLO.

### NQ—Stacked

SCCR 10–200 kA

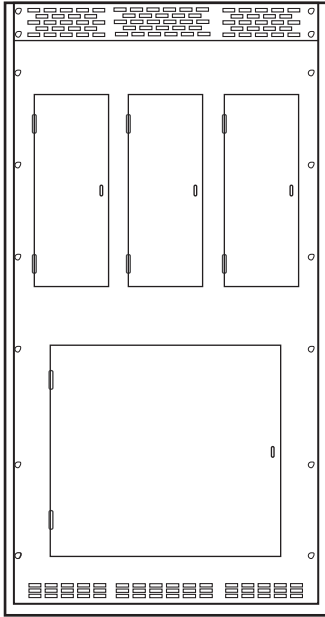
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42/54 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** 60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

## Stacked, Side-by-Side, Combo Panelboard

Figure 27: 48 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### HCP I-Line

SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A MLO with 27-in. max., circuit breaker mounting space
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A Main circuit breaker (Backfed), with 27-in. max., circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** 45-in. circuit breaker mounting space available when panels are NQ 225 A 42 circuit MLO.

### NQ—Stacked

SCCR 10–200 kA

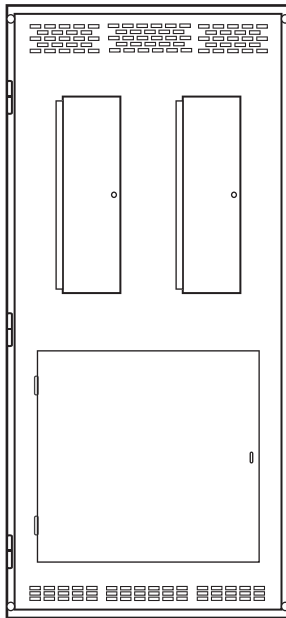
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None



60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

Figure 28: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### NQ—Stacked—Left and Right

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

### NF/NF Powerlink G3 Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: Sub-feed lugs
- NF Powerlink G3 Master 400 A, MLO, max. 42 circuits 480Y/277 Vac 3Ø4W
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

### HCP I-Line—Stacked

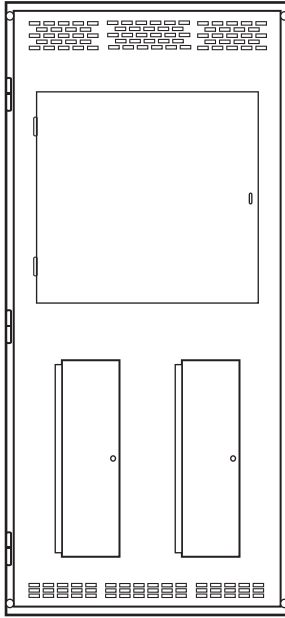
SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A MLO with 27-in. max. circuit breaker mounting space
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A Main circuit breaker (Backfed), with 27-in. max. circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** 45-in. circuit breaker mounting space available when panels are NQ 225 A 42 circuit MLO.

**Figure 29: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure**



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### HCP I-Line—Stacked

SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A MLO with 27-in. max. circuit breaker mounting space
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 800 A Main circuit breaker (Backfed) with 27-in. max. circuit breaker mounting space without a Main circuit breaker
  - Feeder circuit breaker: 800 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** 45-in. circuit breaker mounting space available when panels are NQ 225 A 42 circuit MLO.

### NQ—Stacked—Left and Right

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42/54 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

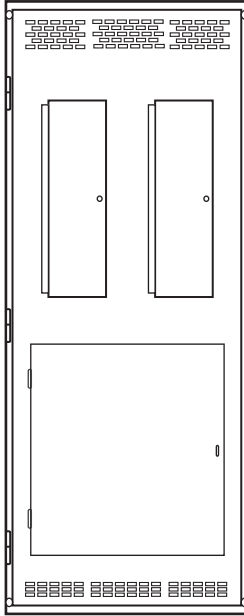
### NF/NF Powerlink G3 Stacked

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 480Y/277 Vac 3Ø4W or 600Y/347 Vac 3Ø4W NF Powerlink G3 480Y/277 Vac 3Ø4W max.

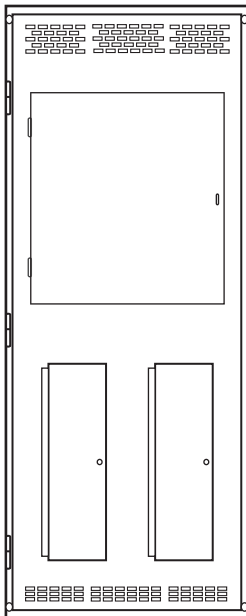
- NF 400 A MLO, max. 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A, 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

**Figure 30:** 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**Figure 31:** 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ—Stacked—Left and Right

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42/54 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None



60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### HCM I-Line—Stacked

SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A MLO with 27-in. max. circuit breaker mounting space
  - Feeder circuit breaker: 250 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

### HCM I-Line—Stacked

SCCR 10–200 kA

600 Vac max., double-row mounting

- 800 A MLO with 27-in. max. circuit breaker mounting space
  - Feeder circuit breaker: 250 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)



### NQ—Stacked—Left and Right

SCCR 10–200 kA

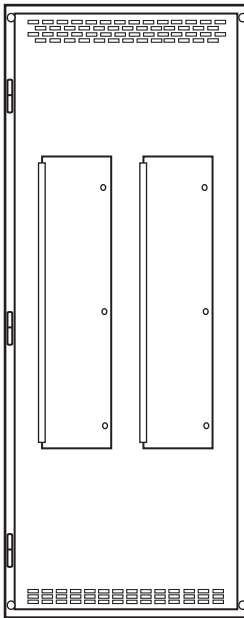
208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO, max. 42/54 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, max. 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** 60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### Side-by-Side Panelboard

Figure 32: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Side-by-Side—NF not permitted

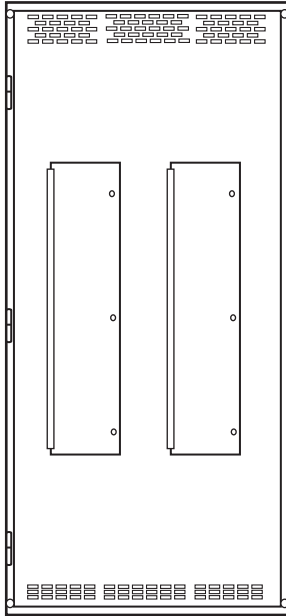
SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A MLO 42, 54, 72, 84 circuits max.
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed circuit breaker (225 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 250 A Vertical Main circuit breaker, 42, 54, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed circuit breaker (225 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)

**NOTE:** 60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

Figure 33: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NQ Side-by-Side

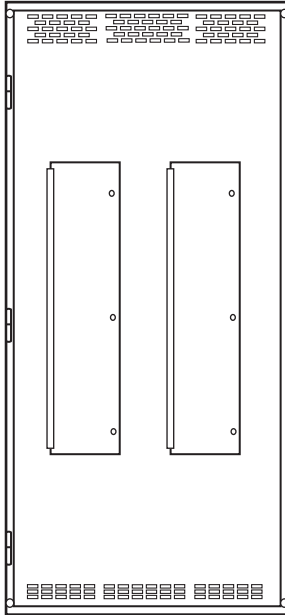
SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO 42, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed circuit breaker (225 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 400 A max. MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 600 A max. MLO 42, 54, 72 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 600 A max. MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

Figure 33 (cont.)



**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

- 400 A max. vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (225 A max.)
    - Surge Protective Device (SPD)
- 400 A max. vertical Main circuit breaker, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 400 A max. vertical Main circuit breaker, 72, 84 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 600 A max. vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 600 A max. vertical Main circuit breaker, 54, 72, 82 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs

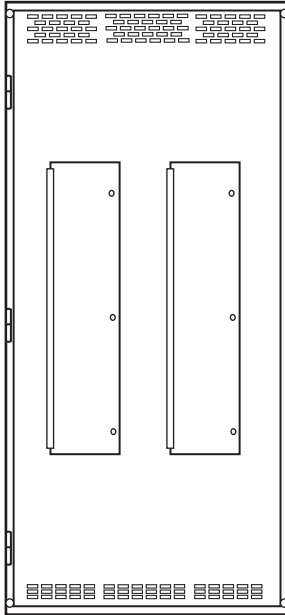
### NF Side-by-Side or NF Powerlink G3 Side-by-Side

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- 250 A MLO 42, 54, 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breaker (250 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 400 A MLO 42, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Sub-feed circuit breaker (250 A max.)
    - Sub-feed lugs
    - Surge Protective Device (SPD)

Figure 33 (cont.)

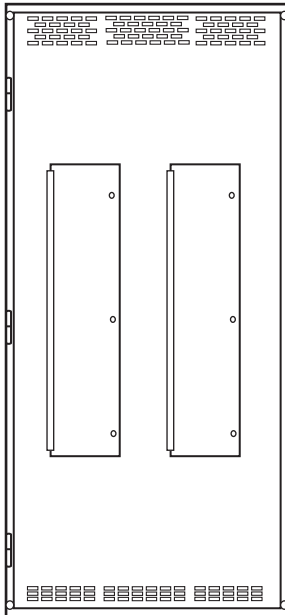


**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

- 400 A MLO 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in this circuit count
  - Option: Sub-feed lugs
- 400 A MLO 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in this circuit count
  - Options: None
- 600 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (250 A max.)
    - Surge Protective Device (SPD)
- 600 A MLO 54, 66, 84 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in this circuit count
  - Options: None
- 250 A max. Main circuit breaker, 42, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (250 A max.)
    - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
    - Surge Protective Device (SPD)
- 250 A max. Main circuit breaker, 66 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers are not available in this circuit count
  - Option: Feed-through lugs
- 400 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker (250 A max.)
    - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
    - Surge Protective Device (SPD)
- 400 A max. Main circuit breaker, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Feed-through lugs

Figure 33 (cont.)



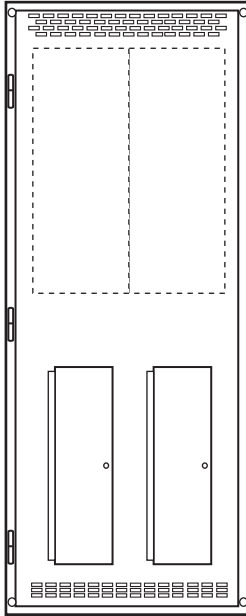
**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

- 600 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options (choose one):
    - Feed-through lugs
    - Sub-feed circuit breaker
    - Surge Protective Device (SPD)
- 600 A max. Main circuit breaker, 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- NF Powerlink G3 Master 600 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Master 600 A Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 600 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 600 A Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

## NQ Stacked Combination

Figure 34: 36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space—Right/Left (1/2 Height)

Backplate size 13.75-in. w x 40.75-in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and, mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see "Appendix" on page 79.

### NQ Stacked Combination—Right/Left

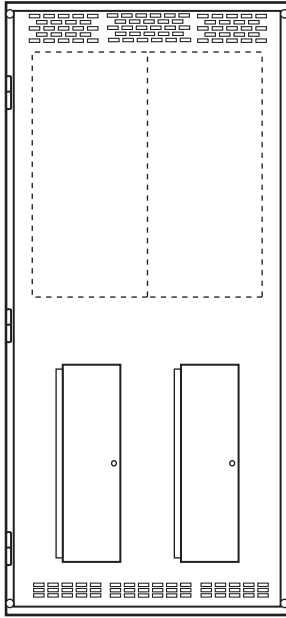
SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A max. Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** 60–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**Figure 35:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### Equipment Space—Right/Left (1/2 Height)

Backplate size 17.75-in. w x 40.75-in. h

SCCR, see document no. 2010DB0201

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options
  - Unwired: Mounted in cell only
  - Line side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

**NOTE:** For max. quantity of contactors see “Appendix” on page 79.

### NQ Stacked Combination Right/Left

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 400 A max. MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 225/250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

### NF Stacked Combination or NF Powerlink G3 Stacked Combination

SCCR 10–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.

- NF 400 A MLO, max. 42 circuits, top or bottom
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- NF Powerlink G3 Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel
- NF Powerlink G3 Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
  - Options: Same as NF panel

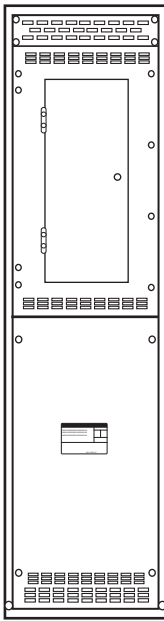
## IPC2: Transformer Combo

The Transformer Combo integrates panelboards, individually mounted circuit breakers or lighting contactors with a dry type transformer into one factory-assembled and pre-wired solution.

All configurations have factory-installed Type THHN copper cable.

### Transformer Combo Section

**Figure 36:** 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top cell: NF Panelboard, NQ  
Panelboard  
Bottom cell: Transformer



**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### NF Panelboard Interiors or NF Powerlink Panelboard

SCCR 10–200 kA

600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.,  
480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 200–400 A MLO 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed circuit breaker (250 A max., not available with Powerlink)
- 60–400 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 60–250 A Main circuit breaker 42 circuits
  - Branch circuit breakers: 125 A max. or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A Main circuit breaker 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None (not available with Powerlink)

Or

### NQ Panelboard Interior

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–400 A MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose up to two):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 60–400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs



### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, or 45 kVA, 3Ø, EE, 150 degree C Rise
- 15 or 30 kVA, 3Ø, EE, 80 and 115 degree C Rise
- 15 or 30 kVA, 3Ø, EE, 150 degree C rise rated K4/K13
- 15 kVA, 3Ø, EE, 80 and 115 degree C rise rated K4/K13

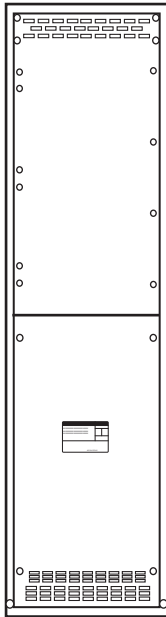
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.7, or 50 kVA, 1Ø, EE, 150 degree C Rise
- 15, 25, or 37.7 kVA, 1Ø, EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 37: 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top cell: Equipment Space  
Bottom cell: Transformer**



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space Options

- 3rd party equipment
- Contactors options:
  - 20 A to 200 A
  - Electrically held or mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Load side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30 or 45 kVA 3Ø kVA, EE, 150 degree C Rise
- 15 or 30 kVA 3Ø EE, 80 and 115 degree C Rise
- 15 or 30 kVA 3Ø EE, 150 degree C rise rated K4/K13
- 15 kVA 3Ø EE 80 and 115 degree C rise rated K4/K13

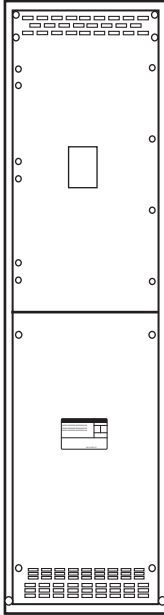
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5 or 50 kVA 1Ø EE, 150 degree C Rise
- 15, 25 or 37.7 kVA 1Ø EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 38:** 24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top cell: One Individually-  
Mounting Circuit Breaker  
Bottom cell: Transformer



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Individually-Mounted Circuit Breakers

SCCR 10–100 kA

15–800 A circuit breaker trip rating; 600 Vac max.

Circuit breaker options:

- 120 Vac shunt trip
- Handle padlock attachment

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30 or 45 kVA 3Ø kVA, EE, 150 degree C Rise
- 15 or 30 kVA 3Ø EE, 80 and 115 degree C Rise
- 15 or 30 kVA 3Ø EE, 150 degree C rise rated K4/K13
- 15 kVA 3Ø EE 80 and 115 degree C rise rated K4/K13

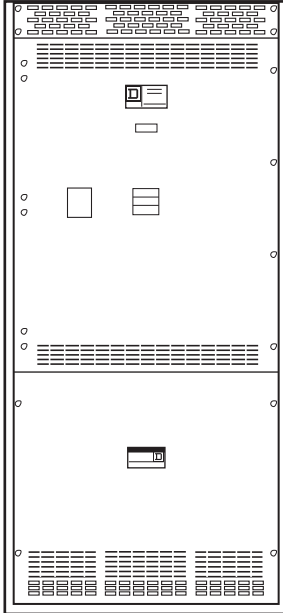
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5 or 50 kVA 1Ø EE, 150 degree C Rise
- 15, 25 or 37.7 kVA 1Ø EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** additional options available. Contact your Schneider Electric representative for details.

**Figure 39: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: Individually-Mounted  
Circuit Breaker  
Top Right: Equipment Space  
Bottom: Transformer**



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Individually-Mounted Circuit Breaker

SCCR 10–100 kA

15–800 A circuit breaker trip rating; 600 Vac max.

- Circuit breaker options:
  - 120 Vac shunt trip
  - Handle padlock attachment

### Equipment Space

- With removable back pan for third party equipment, or with contactors
- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Load side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

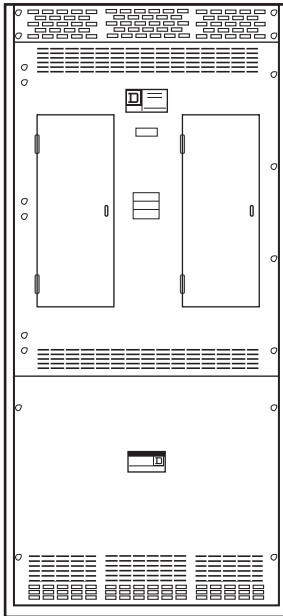
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 40:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: NF, NF Powerlink, NQ  
Top Right: NF, NF Powerlink, NQ  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

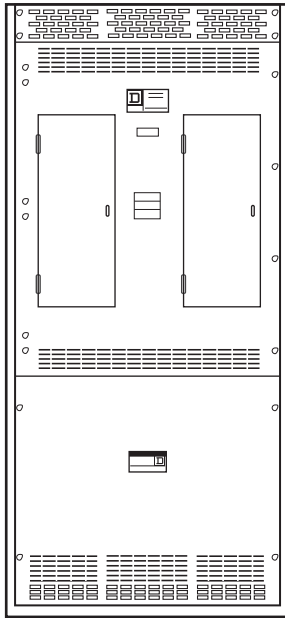
### NF Panelboard Interior or NF Powerlink Panelboard

SCCR 10–100 kA

600Y/347 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60–250 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 54 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: Feed-through lugs
- 300–400 A MLO 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed circuit breaker (250 A max., not available with Powerlink)
- 60–250 A Main circuit breaker 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A Main circuit breaker 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None (not available with Powerlink)

Figure 40 (cont.)



**NOTE:** Surge Protective Device (SPD) is now an option for all NQ panels but will occupy 12 breaker spaces on the panel.

60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NQ Panelboard Interior

SCCR 10–100 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 60–400 A MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose up to two):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 450–600 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.

- 60–400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

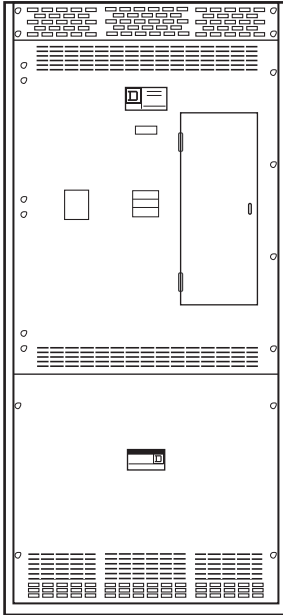
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 41:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: Individually-Mounted  
Circuit Breaker  
Top Right: NF, NF Powerlink, NQ  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### Individually-Mounted Circuit Breaker

SCCR 10–100 kA

15–800 A circuit breaker trip rating; 600 Vac max.

- Circuit breaker options:
  - 120 Vac shunt trip
  - Handle padlock attachment

### NF Panelboard Interior or NF Powerlink Panelboard

SCCR 10–100 kA

600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max., 480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60–250 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed circuit breakers (250 A max., not available with Powerlink)
- 60–250 A Main circuit breaker 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A Main circuit breaker 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None (not available with Powerlink)

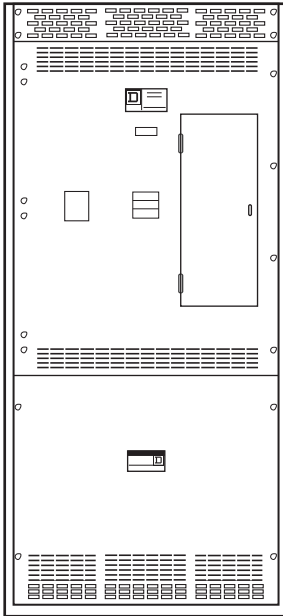
### NQ Panelboard Interior

SCCR 10–100 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

Figure 41 (cont.)



- 60–400 A MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 450–600 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.
- 60–225 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 250–400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Feed-through lugs

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

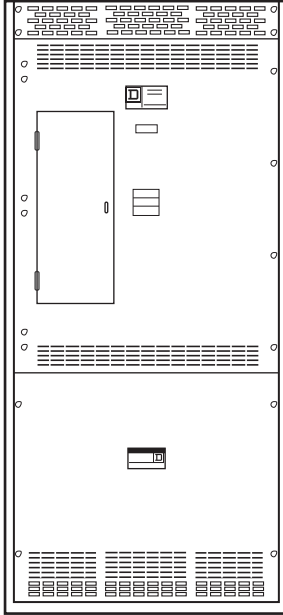
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 42:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: NF, NF Powerlink, NQ  
Top Right: Equipment Space  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NF Panelboard Interior or NF Powerlink Panelboard

SCCR 10–100 kA

600Y/347 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60–250 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed circuit breakers (250 A max., not available with Powerlink)
- 60–250 A Main circuit breaker 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A Main circuit breaker 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None (not available with Powerlink)

### NQ Panelboard Interior

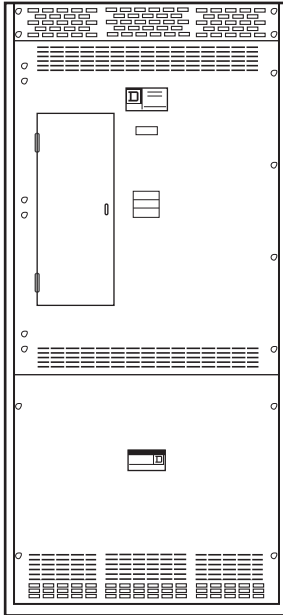
SCCR 10–100 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 60–400 A MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)



Figure 42 (cont.)



**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

- 225/250 A Vertical Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

- 450–600 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.

- 60–225 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 250–400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Feed-through lugs

### Equipment Space

With removable back pan for third party equipment or with contactors

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Load side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### Transformer

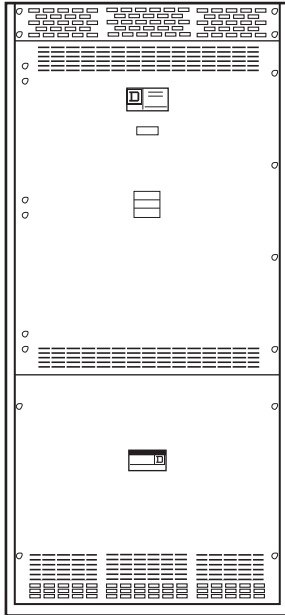
Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**Figure 43:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: Equipment Space  
Top Right: Equipment Space  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### Equipment Space

With removable back pan for third party equipment or with contactors

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Load side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

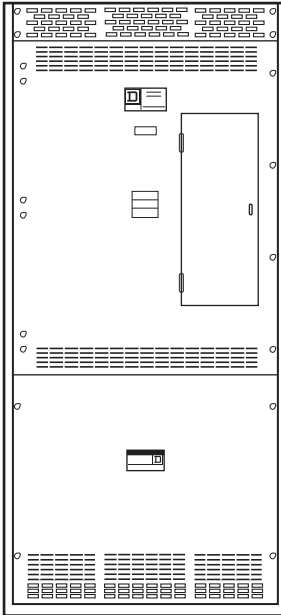
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 44: 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: Equipment Space  
Top Right: NF, NF Powerlink, NQ  
Bottom: Transformer**



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### Equipment Space

With removable back pan for customer-installed devices or with contactors

- Contactor options:
  - 8903 Type LO, 20 A electrically held and LX mechanically held
  - 8903 Type S, 30–200 A electrically and mechanically held
- Contactor wiring options:
  - Unwired: Mounted in cell only
  - Load side wired: Line side wired to a branch circuit breaker(s)
  - Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

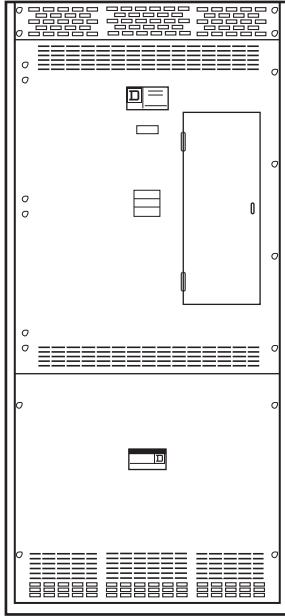
### NF Panelboard Interior or NF Powerlink Panelboard

SCCR 10–100 kA

600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max., 480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60–250 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed circuit breaker (250 A max., not available with Powerlink)
- 60–250 A Main circuit breaker 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A Main circuit breaker 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None (not available with Powerlink)

Figure 44 (cont.)



**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

## NQ Panelboard Interior

SCCR 10–100 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 60–400 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)
- 450–600 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.

- 60–225 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Feed-through lugs
- 250–400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Feed-through lugs

## Transformer

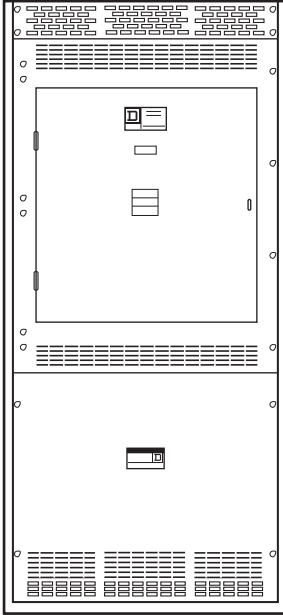
Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**Figure 45:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top: I-Line Panel  
Bottom: Transformer  
Type 1 Enclosure



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

### I-Line Panelboard Interior

SCCR 10–100 kA

600 Vac max.

- 225–800 A MLO with 45-in. mounting space
  - Max. branch circuit breaker 800 A
- 225–800 A Main circuit breaker with 45-in. mounting space without Main circuit breaker kit
  - Max. branch circuit breaker 800 A

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

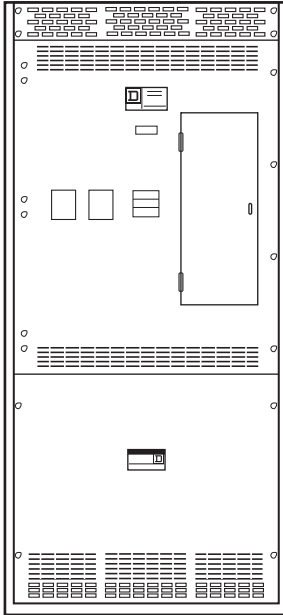
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 46:** 42 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure  
Top Left: Two Individually-  
Mounted Circuit Breakers  
Top Right: Main Lug Only Panel  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 36" D, 48" D NEMA 1 or 35.5" D, 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### Individually-Mounted Circuit Breaker

SCCR 10–100 kA

15–800 A circuit breaker trip rating; 600 Vac max.

- Circuit breaker options:
  - 120 Vac shunt trip
  - Handle padlock attachment

### NF Panelboard Interior or NF Powerlink Panelboard

SCCR 10–100 kA

600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max., 480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60–250 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A MLO 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed circuit breaker (250 A max., not available with Powerlink)
- 60–250 A Main circuit breaker 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None
- 300–400 A Main circuit breaker 30 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None (not available with Powerlink)

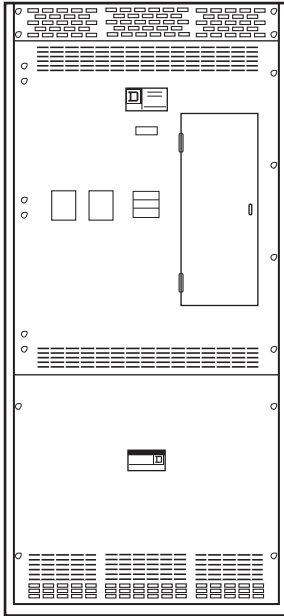
### NQ Panelboard Interior

SCCR 10–100 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD)

Figure 46 (cont.)



- 60–400 A MLO 84 circuits
  - Branch circuit breakers: 150 A max.
  - Options (choose up to two):
    - Feed-through lugs
    - Surge Protective Device (SPD)
- 450–600 A MLO 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.
- 60–225 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Feed-through lugs
- 250–400 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Options: Feed-through lugs

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 15, 30, 45, 75, 112.5 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise
- 150, 225 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 112, 150 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise
- 15, 30, 45, 75 kVA, 24 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 112, 150 kVA, 36 in. depth min., 3Ø EE 150 degree C Rise, K4/K13
- 15, 30, 45 kVA, 24 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13
- 75, 112 kVA, 36 in. depth min., 3Ø EE 80 and 115 degree C Rise, K4/K13

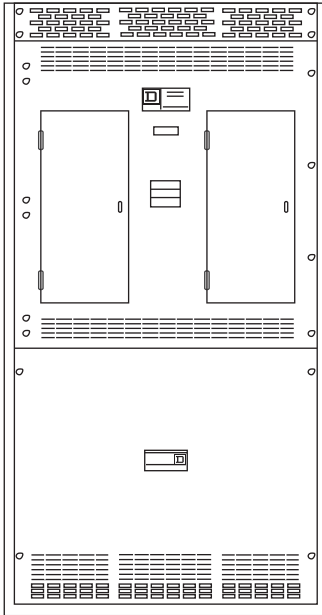
Single Phase 480 Vac or 600 Vac primary, 120/240 Vac secondary:

- 15, 25, 37.5, 50, 75 kVA, EE, 150 degree C Rise
- 15, 25, 37.5, 50 kVA, 24 in. depth min., EE, 80 and 115 degree C Rise
- 75 kVA, 36 in. depth min., EE, 80 and 115 degree C Rise

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 47:** 48 in. w x 91.5 in. x 36 in. d  
Type 1 Enclosure  
Top Left or Top Right, NF, NQ  
Panelboard  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 48" D NEMA 1 or 47.5" D or 59.5" D NEMA 3R.

**NOTE:** 60–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NF Panelboard Interior or NF Powerlink Panelboard

SCCR 10–200 kA

600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max.,  
480Y/277 Vac 3Ø4W, 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60–250 A MLO, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: Sub-feed lugs
- 60–250 A MLO, 54 circuits (top feed only)
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None

**NOTE:** 100–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

### NQ Panelboard Interior

SCCR 10–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO, 42 circuits
    - Branch circuit breakers: 150 A max.
    - Option: Sub-feed lugs
  - 60–225 A MLO, 54 circuits
    - Branch circuit breakers: 150 A max.
    - Options: None
  - 250–400 A MLO, 42 circuit
    - Branch circuit breakers: 150 A max.
    - Option: Sub-feed lugs
  - 450–600 A MLO, 42 circuit
    - Branch circuit breakers: 150 A max.
    - Options: None
- NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.
- 60–225/250 A Main circuit breaker, 42 circuits
    - Branch circuit breakers: 150 A max.
    - Option: TF lugs (bottom feed only)



### Transformer

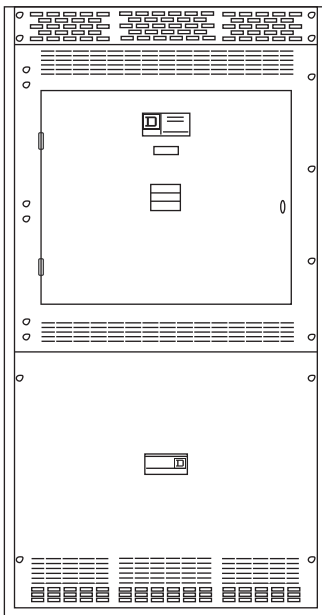
Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 300 kVA 3Ø, EE, 150 degree C rise rated
- 225 kVA 3Ø, EE, 80 and 115 degree C rise rated
- 225 kVA 3Ø, EE, 150 degree C rise rated with K4/K13
- 150 kVA 3Ø, EE, 80 and 115 degree C rise rated with K4/K13

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 48:** 48 in. w x 91.5 in. x 36 in. d  
Type 1 Enclosure  
Top Cell, I-Line Panelboard  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 48" D NEMA 1 or 47.5" D or 59.5" D NEMA 3R.

### I-Line Panelboard Interior

SCCR 10–200 kA

600 Vac max.

- 800 A max. MLO with 27-in. of circuit breaker mounting space without a main lug kit
  - Max. branch circuit breaker 800 A
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD) unit
- 800 A max. Back-fed Main circuit breakers interiors with 27 in. of circuit breaker mounting space without a Main circuit breaker.
  - Max. branch circuit breaker 800 A
  - Options (choose one):
    - Sub-feed lugs
    - Surge Protective Device (SPD) unit

### Transformer

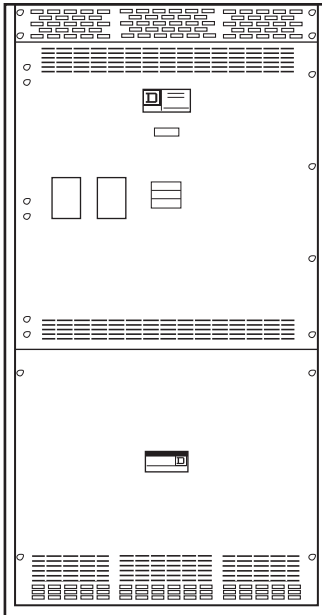
Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 300 kVA 3Ø, EE, 150 degree C rise rated
- 225 kVA 3Ø, EE, 80 and 115 degree C rise rated
- 225 kVA 3Ø, EE, 150 degree C rise rated with K4/K13
- 150 kVA 3Ø, EE, 80 and 115 degree C rise rated with K4/K13

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 49:** 48 in. w x 91.5 in. x 36 in. d  
Type 1 Enclosure  
Top Left: Two Individually-  
Mounted Circuit Breakers  
Top Right: Equipment Space  
Bottom: Transformer



**NOTE:** Minimum depths are shown. Options are available for 48" D NEMA 1 or 47.5" D or 59.5" D NEMA 3R.

### Individually-Mounted Circuit Breaker

SCCR 10 kA–100 kA

15 A–800 A circuit breaker trip rating; 600 V max.

Two circuit individually mounted circuit breakers mounted side by side

Circuit breaker options:

- 120 V shunt trip
- Handle padlock attachment

### Equipment Space

Third party equipment

Contactors options:

- 20 A to 200 A
- Electrically held or mechanically held

Contactor wiring options:

- Unwired: Mounted in cell only
- Load side wired: Line side wired to a branch circuit breaker(s)
- Fully wired: Line side wired to a branch circuit breaker(s), load side wired to the terminal blocks

### Transformer

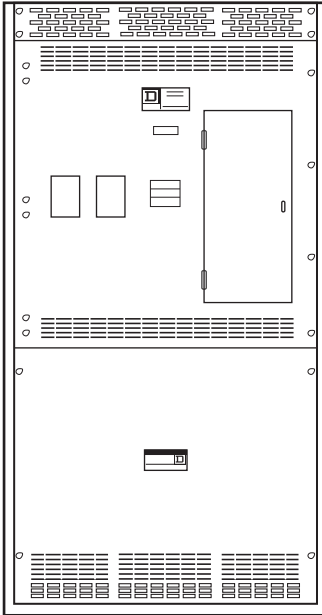
Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

- 300 kVA 3Ø, EE, 150 degree C rise rated
- 225 kVA 3Ø, EE, 80 and 115 degree C rise rated
- 225 kVA 3Ø, EE, 150 degree C rise rated with K4/K13
- 150 kVA 3Ø, EE, 80 and 115 degree C rise rated with K4/K13

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

**Figure 50:** 48 in. w x 91.5 in. x 36 in. d  
**Type 1 Enclosure**  
**Top Left: Two Individually-Mounted Circuit Breakers**  
**Top Right: NF, NF Powerlink, NQ**  
**Bottom: Transformer**



**NOTE:** Minimum depths are shown. Options are available for 48" D NEMA 1 or 47.5" D or 59.5" D NEMA 3R.

### Individually-Mounted Circuit Breaker

SCCR 10 kA–100 kA

15 A–800 A circuit breaker trip rating; 600 V max.

Two circuit individually mounted circuit breakers mounted side by side

Circuit breaker options:

- 120 V shunt trip
- Handle padlock attachment

### NF Panelboard Interiors or NF Powerlink Panelboard

SCCR 10 kA–200 kA

600Y/347 Vac 3Ø4W, NF Powerlink G3 480Y/277 Vac 3Ø4W max., or 480Y/277 Vac 3Ø4W, or 208Y/120 Vac 3Ø4W, or 120/240 Vac 1Ø3W

- 60 A–250 A MLO, 42 circuits
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Option: SF lugs
- 60 A–250 A MLO, 54 circuits (top feed only)
  - Branch circuit breakers: 125 A max. at 480 V or 100 A max. at 600 V
  - Powerlink G3 branch circuit breakers: 20 A 3P or 30 A 2P max.
  - Options: None

**NOTE:** 100 A–250 A NF MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

300 A–400 A NF MLO or Main circuit breaker: An optional 200% neutral can not be combined with any other option in this configuration.

**NOTE:** 60 A–400 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

### NQ Panelboard Interior

SCCR 10 kA–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 60–225 A MLO, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 60–225 A MLO, 54 circuits
  - Branch circuit breakers: 150 A max.
  - Options: None
- 250–400 A MLO, 42 circuit
  - Branch circuit breakers: 150 A max.
  - Option: Sub-feed lugs
- 450–600 A MLO, 42 circuit
  - Branch circuit breakers: 150 A max.
  - Options: None

**NOTE:** If a 600 A interior is selected for one of the top two cells, no interior is permitted in the other top cell.

- 60–225/250 A Main circuit breaker, 42 circuits
  - Branch circuit breakers: 150 A max.
  - Option: TF lugs (bottom feed only)

### Transformer

Three Phase 480 Vac or 600 Vac primary, 208Y/120 Vac secondary:

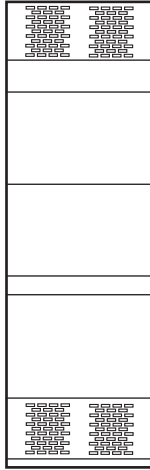
- 300 kVA 3Ø, EE, 150 degree C rise rated
- 225 kVA 3Ø, EE, 80 and 115 degree C rise rated
- 225 kVA 3Ø, EE, 150 degree C rise rated with K4/K13
- 150 kVA 3Ø, EE, 80 and 115 degree C rise rated with K4/K13

**NOTE:** Single circuit breaker 250 Amp max. can be installed in transformer compartment as primary or secondary disconnect.

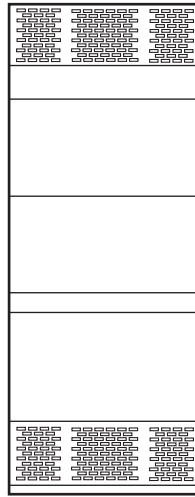
**NOTE:** Standard transformer voltages listed, additional options available. Contact your Schneider Electric representative for details.

### Stacked Transformer Section

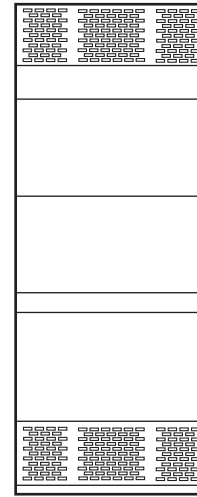
24 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



36 in. w x 91.5 in. x 24 in. d  
Type 1 Enclosure



36 in. w x 91.5 in. x 36 in. d  
Type 1 Enclosure



Only valid configurations are shown.

### Stacked Transformer 24 in. W x 24 in. D Enclosure — 480 V

Table 1: 480 V Primary — 208Y/120 Secondary 3Ø Transformers

Type	Location	Configurations <sup>1</sup>			
EE 150° C Rise	Top	Blank	EE15T3H	EE15T3H	EE30T3H
	Bottom	EE15T3H	EE15T3H	EE30T3H	EE45T3H
	Top	Blank	EE15T3HCU	EE15T3HCU	EE30T3HCU
	Bottom	EE15T3HCU	EE15T3HCU	EE30T3HCU	EE45T3HCU
	Top	Blank	EE30T3H	EE30T3H	EE45T3H
	Bottom	EE30T3H	EE30T3H	EE45T3H	EE45T3H
	Top	Blank	EE30T3HCU	EE30T3HCU	EE45T3HCU
	Bottom	EE30T3HCU	EE30T3HCU	EE45T3HCU	EE45T3HCU
EE 115° C Rise	Top	Blank	EE15T3HF	EE15T3HF	EE30T3HF
	Bottom	EE15T3HF	EE15T3HF	EE30T3HF	EE30T3HF
	Top	Blank	EE15T3HFUCU	EE15T3HFUCU	EE30T3HFUCU
	Bottom	EE15T3HFUCU	EE15T3HFUCU	EE30T3HFUCU	EE30T3HFUCU
EE 80° C Rise	Top	Blank	EE15T3HB	EE15T3HB	EE30T3HB
	Bottom	EE15T3HB	EE15T3HB	EE30T3HB	EE30T3HB
	Top	Blank	EE15T3HBUCU	EE15T3HBUCU	EE30T3HBUCU
	Bottom	EE15T3HBUCU	EE15T3HBUCU	EE30T3HBUCU	EE30T3HBUCU

**Table 1: 480 V Primary — 208Y/120 Secondary 3Ø Transformers (continued)**

Type	Location	Configurations <sup>1</sup>			
K-13 150° C Rise	Top	Blank	EE15T3HISNPL	EE15T3HISNPL	EE30T3HISNPL
	Bottom	EE15T3HISNPL	EE15T3HISNPL	EE30T3HISNPL	EE30T3HISNPL
	Top	Blank	EE15T3HISCUNPL	EE15T3HISCUNPL	EE30T3HISCUNPL
	Bottom	EE15T3HISCUNPL	EE15T3HISCUNPL	EE30T3HISCUNPL	EE30T3HISCUNPL
K-13 115° C Rise	Top	Blank	EE15T3HFISNPL	EE15T3HFISNPL	EE30T3HFISNPL
	Bottom	EE15T3HFISNPL	EE15T3HFISNPL	EE30T3HFISNPL	EE30T3HFISNPL
	Top	Blank	EE15T3HFISCUNPL	EE15T3HFISCUNPL	EE30T3HFISCUNPL
	Bottom	EE15T3HFISCUNPL	EE15T3HFISCUNPL	EE30T3HFISCUNPL	EE30T3HFISCUNPL
K-4 150° C Rise	Top	Blank	EE15T3HISNL	EE15T3HISNL	EE30T3HISNL
	Bottom	EE15T3HISNL	EE15T3HISNL	EE30T3HISNL	EE30T3HISNL
	Top	Blank	EE15T3HISCUNL	EE15T3HISCUNL	EE30T3HISCUNL
	Bottom	EE15T3HISCUNL	EE15T3HISCUNL	EE30T3HISCUNL	EE30T3HISCUNL
K-4 115° C Rise	Top	Blank	EE15T3HFISNL	EE15T3HFISNL	EE30T3HFISNL
	Bottom	EE15T3HFISNL	EE15T3HFISNL	EE30T3HFISNL	EE30T3HFISNL
	Top	Blank	EE15T3HFISCUNL	EE15T3HFISCUNL	EE30T3HFISCUNL
	Bottom	EE15T3HFISCUNL	EE15T3HFISCUNL	EE30T3HFISCUNL	EE30T3HFISCUNL

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Table 2: 480 V Primary — 120/240 Secondary 1Ø Transformers**

Type	Location	Configurations <sup>1</sup>			
EE 150° C Rise	Top	Blank	EE15S3H	EE15S3H	EE15S3H
	Bottom	EE15S3H	EE15S3H	EE25S3H	EE37S3H
	Top	Blank	EE15S3HCU	EE15S3HCU	EE15S3HCU
	Bottom	EE15S3HCU	EE15S3HCU	EE25S3HCU	EE37S3HCU
	Top	Blank	EE25S3H	EE25S3H	EE25S3H
	Bottom	EE25S3H	EE25S3H	EE37S3H	EE50S3H
	Top	Blank	EE25S3HCU	EE25S3HCU	EE25S3HCU
	Bottom	EE25S3HCU	EE25S3HCU	EE37S3HCU	EE50S3HCU
	Top	Blank	EE37S3H	EE37S3H	—
	Bottom	EE37S3H	EE37S3H	EE50S3H	—
	Top	Blank	EE37S3HCU	EE37S3HCU	—
	Bottom	EE37S3HCU	EE37S3HCU	EE50S3HCU	—

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Stacked Transformer 24 in. W x 24 in. D Enclosure — 600 V**

**Table 3: 600 V Primary — 208Y/120 Secondary 3Ø Transformers**

Type	Location	Configurations <sup>1</sup>			
EE 150° C Rise	Top	Blank	EE15T65H	EE15T65H	EE30T65H
	Bottom	EE15T65H	EE15T65H	EE30T65H	EE45T65H
	Top	Blank	EE15T65HCU	EE15T65HCU	EE30T65HCU
	Bottom	EE15T65HCU	EE15T65HCU	EE30T65HCU	EE45T65HCU
	Top	Blank	EE30T65H	EE30T65H	EE45T65H
	Bottom	EE30T65H	EE30T65H	EE45T65H	EE45T65H
	Top	Blank	EE30T65HCU	EE30T65HCU	EE45T65HCU
	Bottom	EE30T65HCU	EE30T65HCU	EE45T65HCU	EE45T65HCU

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Table 4: 600 V Primary — 120/240 Secondary 1Ø Transformers**

Type	Location	Configurations <sup>1</sup>				
EE 150° C Rise	Top	Blank	EE15S3534H	EE15S3534H	EE15S3534H	EE15S3534H
	Bottom	EE15S3534H	EE15S3534H	EE25S3534H	EE37S3534H	EE50S3534H
	Top	Blank	EE15S3534HCU	EE15S3534HCU	EE15S3534HCU	EE15S3534HCU
	Bottom	EE15S3534HCU	EE15S3534HCU	EE25S3534HCU	EE37S3534HCU	EE50S3534HCU
	Top	Blank	EE25S3534H	EE25S3534H	EE25S3534H	—
	Bottom	EE25S3534H	EE25S3534H	EE37S3534H	EE50S3534H	—
	Top	Blank	EE25S3534HCU	EE25S3534HCU	EE25S3534HCU	—
	Bottom	EE25S3534HCU	EE25S3534HCU	EE37S3534HCU	EE50S3534HCU	—
	Top	Blank	EE37S3534H	EE37S3534H	—	—
	Bottom	EE37S3534H	EE37S3534H	EE50S3534H	—	—
	Top	Blank	EE37S3534HCU	EE37S3534HCU	—	—
	Bottom	EE37S3534HCU	EE37S3534HCU	EE50S3534HCU	—	—

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Stacked Transformer 36 in. W x 24 in. D Enclosure — 480 V**

**Table 5: 480 V Primary — 208Y/120 Secondary 3Ø Transformers**

Type	Location	Configurations <sup>1</sup>			
EE 150° C Rise	Top	Blank	EE15T3H	EE15T3H	—
	Bottom	EE75T3H	EE75T3H	EE112T3H	—
	Top	Blank	EE30T3H	EE30T3H	—
	Bottom	EE75T3H	EE75T3H	EE112T3H	—
	Top	Blank	EE45T3H	EE45T3H	—
	Bottom	EE75T3H	EE75T3H	EE112T3H	—
	Top	Blank	EE75T3H	EE75T3H	—
	Bottom	EE75T3H	EE75T3H	EE112T3H	—
EE 115° C Rise	Top	Blank	EE15T3HCU	EE15T3HCU	—
	Bottom	EE75T3HCU	EE75T3HCU	EE112T3HCU	—
	Top	Blank	EE30T3HCU	EE30T3HCU	—
	Bottom	EE75T3HCU	EE75T3HCU	EE112T3HCU	—
	Top	Blank	EE45T3HCU	EE45T3HCU	—
	Bottom	EE75T3HCU	EE75T3HCU	EE112T3HCU	—
	Top	Blank	EE75T3HCU	EE75T3HCU	—
	Bottom	EE75T3HCU	EE75T3HCU	EE112T3HCU	—
EE 80° C Rise	Top	Blank	EE15T3HF	EE30T3HF	EE30T3HF
	Bottom	EE45T3HF	EE45T3HF	EE45T3HF	EE75T3HF
	Top	Blank	EE45T3HF	EE45T3HF	—
	Bottom	EE45T3HF	EE45T3HF	EE75T3HF	—
EE 150° C Rise	Top	Blank	EE15T3HFCU	EE30T3HFCU	—
	Bottom	EE45T3HFCU	EE45T3HFCU	EE45T3HFCU	—
	Top	Blank	EE45T3HFCU	EE45T3HFCU	—
	Bottom	EE45T3HFCU	EE45T3HFCU	EE75T3HFCU	—
	Top	Blank	EE15T3HB	EE30T3HB	EE45T3HB
	Bottom	EE45T3HB	EE45T3HB	EE45T3HB	EE45T3HB
	Top	Blank	EE75T3HB	—	—
	Bottom	EE75T3HB	EE75T3HB	—	—
K-13 150° C Rise	Top	Blank	EE15T3HBCU	EE30T3HBCU	EE45T3HBCU
	Bottom	EE45T3HBCU	EE45T3HBCU	EE45T3HBCU	EE45T3HBCU
	Top	Blank	EE30T3HBCU	EE45T3HBCU	—
	Bottom	EE75T3HBCU	EE75T3HBCU	EE75T3HBCU	—
	Top	Blank	EE75T3HBCU	—	—
	Bottom	EE75T3HBCU	EE75T3HBCU	—	—
	Top	Blank	EE15T3HISNLP	EE30T3HISNLP	EE45T3HISNLP
	Bottom	EE45T3HISNLP	EE45T3HISNLP	EE45T3HISNLP	EE45T3HISNLP
K-13 150° C Rise	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP
	Bottom	EE45T3HISCUNLP	EE45T3HISCUNLP	EE45T3HISCUNLP	EE45T3HISCUNLP
	Top	Blank	EE30T3HISNLP	EE45T3HISNLP	—
	Bottom	EE75T3HISNLP	EE75T3HISNLP	EE75T3HISNLP	—
K-13 150° C Rise	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP
	Bottom	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP



**Table 5: 480 V Primary — 208Y/120 Secondary 3Ø Transformers (continued)**

Type	Location	Configurations <sup>1</sup>			
K-13 115° C Rise	Top	Blank	EE15T3HFISNLP	EE30T3HFISNLP	EE45T3HFISNLP
	Bottom	EE45T3HFISNLP	EE45T3HFISNLP	EE45T3HFISNLP	EE45T3HFISNLP
	Top	Blank	EE15T3HFISCUNLP	EE30T3HFISCUNLP	EE45T3HFISCUNLP
	Bottom	EE45T3HFISCUNLP	EE45T3HFISCUNLP	EE45T3HFISCUNLP	EE45T3HFISCUNLP
	Top	Blank	EE30T3HFISNLP	EE45T3HFISNLP	—
	Bottom	EE75T3HFISNLP	EE75T3HFISNLP	EE75T3HFISNLP	—
	Top	Blank	EE15T3HFISCUNLP	EE30T3HFISCUNLP	EE45T3HFISCUNLP
	Bottom	EE75T3HFISCUNLP	EE75T3HFISCUNLP	EE75T3HFISCUNLP	EE75T3HFISCUNLP
K-4 150° C Rise	Top	Blank	EE15T3HISNLP	EE30T3HISNLP	EE45T3HISNLP
	Bottom	EE45T3HISNLP	EE45T3HISNLP	EE45T3HISNLP	EE45T3HISNLP
	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP
	Bottom	EE45T3HISCUNLP	EE45T3HISCUNLP	EE45T3HISCUNLP	EE45T3HISCUNLP
	Top	Blank	EE30T3HISNLP	EE45T3HISNLP	—
	Bottom	EE75T3HISNLP	EE75T3HISNLP	EE75T3HISNLP	—
	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP
	Bottom	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP
K-4 115° C Rise	Top	Blank	EE15T3HFISNL	EE30T3HFISNL	EE45T3HFISNL
	Bottom	EE45T3HFISNL	EE45T3HFISNL	EE45T3HFISNL	EE45T3HFISNL
	Top	Blank	EE15T3HFISCUNL	EE30T3HFISCUNL	EE45T3HFISCUNL
	Bottom	EE45T3HFISCUNL	EE45T3HFISCUNL	EE45T3HFISCUNL	EE45T3HFISCUNL
	Top	Blank	EE30T3HFISNL	EE45T3HFISNL	—
	Bottom	EE75T3HFISNL	EE75T3HFISNL	EE75T3HFISNL	—
	Top	Blank	EE15T3HFISCUNL	EE30T3HFISCUNL	EE45T3HFISCUNL
	Bottom	EE75T3HFISCUNL	EE75T3HFISCUNL	EE75T3HFISCUNL	EE75T3HFISCUNL

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Table 6: 480 V Primary — 120/240 Secondary 1Ø Transformers**

Type	Location	Configurations <sup>1</sup>					
EE 150° C Rise	Top	Blank	EE15S3H	EE25S3H	EE37S3H	EE50S3H	EE75S3H
	Bottom	EE75S3H	EE75S3H	EE75S3H	EE75S3H	EE75S3H	EE75S3H
	Top	Blank	EE15S3HCU	EE25S3HCU	EE37S3HCU	EE50S3HCU	EE75S3HCU
	Bottom	EE75S3HCU	EE75S3HCU	EE75S3HCU	EE75S3HCU	EE75S3HCU	EE75S3HCU

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Stacked Transformer 36 in. W x 24 in. D Enclosure — 600 V**

**Table 7: 600 V Primary — 208Y/120 Secondary 3Ø Transformers**

Type	Location	Configurations <sup>1</sup>		
EE 150° C Rise	Top	Blank	EE15T65H	EE15T65H
	Bottom	EE75T65H	EE75T65H	EE112T65H
	Top	Blank	EE30T65H	EE30T65H
	Bottom	EE75T65H	EE75T65H	EE112T65H
	Top	Blank	EE45T65H	EE45T65H
	Bottom	EE75T65H	EE75T65H	EE112T65H
	Top	Blank	EE75T65H	EE75T65H
	Bottom	EE75T65H	EE75T65H	EE112T65H
	Top	Blank	EE30T65HCU	EE30T65HCU
	Bottom	EE75T65HCU	EE75T65HCU	EE112T65HCU
	Top	Blank	EE45T65HCU	EE45T65HCU
	Bottom	EE75T65HCU	EE75T65HCU	EE112T65HCU
	Top	Blank	EE75T65HCU	EE75T65HCU
	Bottom	EE75T65HCU	EE75T65HCU	EE112T65HCU

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Table 8: 600 V Primary — 120/240 Secondary 1Ø Transformers**

Type	Location	Configurations <sup>1</sup>					
EE 150° C Rise	Top	Blank	EE15S3534H	EE25S3534H	EE37S3534H	EE50S3534H	EE75S3534H
	Bottom	EE75S3534H	EE75S3534H	EE75S3534H	EE75S3534H	EE75S3534H	EE75S3534H
	Top	Blank	EE15S3534HCU	EE25S3534HCU	EE37S3534HCU	EE50S3534HCU	EE75S3534HCU
	Bottom	EE75S3534HCU	EE75S3534HCU	EE75S3534HCU	EE75S3534HCU	EE75S3534HCU	EE75S3534HCU

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Stacked Transformer 36 in. W x 36 in. D Enclosure — 480 V**

**Table 9: 480 V Primary — 208Y/120 Secondary 3Ø Transformers**

Type	Location	Configurations <sup>1</sup>					
EE 150° C Rise	Top	Blank	EE15T3H	EE30T3H	EE45T3H	EE75T3H	EE112T3H
	Bottom	EE112T3H	EE112T3H	EE112T3H	EE112T3H	EE112T3H	EE112T3H
	Top	Blank	EE15T3HCU	EE30T3HCU	EE45T3HCU	EE75T3HCU	EE112T3HCU
	Bottom	EE112T3HCU	EE112T3HCU	EE112T3HCU	EE112T3HCU	EE112T3HCU	EE112T3HCU
	Top	Blank	EE15T3H	EE30T3H	EE45T3H	EE75T3H	EE112T3H
	Bottom	EE150T3H	EE150T3H	EE150T3H	EE150T3H	EE150T3H	EE150T3H
	Top	Blank	EE15T3HCU	EE30T3HCU	EE45T3HCU	EE75T3HCU	EE112T3HCU
	Bottom	EE150T3HCU	EE150T3HCU	EE150T3HCU	EE150T3HCU	EE150T3HCU	EE150T3HCU
	Top	Blank	EE15T3H	EE30T3H	EE45T3H	EE75T3H	EE112T3H
	Bottom	EE225T3H	EE225T3H	EE225T3H	EE225T3H	EE225T3H	EE225T3H
	Top	Blank	EE15T3HCU	EE30T3HCU	EE45T3HCU	EE75T3HCU	EE112T3HCU
	Bottom	EE225T3HCU	EE225T3HCU	EE225T3HCU	EE225T3HCU	EE225T3HCU	EE225T3HCU
EE 115° C Rise	Top	Blank	EE30T3HF	EE45T3HF	EE75T3HF	—	—
	Bottom	EE112T3HF	EE112T3HF	EE112T3HF	EE112T3HF	—	—
	Top	Blank	EE45T3HFUCU	EE75T3HFUCU	—	—	—
	Bottom	EE112T3HFUCU	EE112T3HFUCU	EE112T3HFUCU	—	—	—
	Top	Blank	EE30T3HF	EE45T3HF	EE75T3HF	—	—
	Bottom	EE150T3HF	EE150T3HF	EE150T3HF	EE150T3HF	—	—
	Top	Blank	EE45T3HFUCU	EE75T3HFUCU	—	—	—
	Bottom	EE150T3HFUCU	EE150T3HFUCU	EE150T3HFUCU	—	—	—
EE 80° C Rise	Top	Blank	EE75T3HB	—	—	—	—
	Bottom	EE112T3HB	EE112T3HB	—	—	—	—
	Top	Blank	EE30T3HBCU	EE45T3HBCU	EE75T3HBCU	—	—
	Bottom	EE112T3HBCU	EE112T3HBCU	EE112T3HBCU	EE112T3HBCU	—	—
	Top	Blank	EE75T3HB	—	—	—	—
	Bottom	EE150T3HB	EE150T3HB	—	—	—	—
	Top	Blank	EE30T3HBCU	EE45T3HBCU	EE75T3HBCU	—	—
	Bottom	EE150T3HBCU	EE150T3HBCU	EE150T3HBCU	EE150T3HBCU	—	—
K-13 150° C Rise	Top	Blank	EE30T3HISNLP	EE45T3HISNLP	EE75T3HISNLP	—	—
	Bottom	EE75T3HISNLP	EE75T3HISNLP	EE75T3HISNLP	EE75T3HISNLP	—	—
	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP	EE75T3HISCUNLP	—
	Bottom	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP	EE75T3HISCUNLP	—
	Top	Blank	EE30T3HISNLP	EE45T3HISNLP	EE75T3HISNLP	—	—
	Bottom	EE112T3HISNLP	EE112T3HISNLP	EE112T3HISNLP	EE112T3HISNLP	—	—
	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP	EE75T3HISCUNLP	—
	Bottom	EE112T3HISCUNLP	EE112T3HISCUNLP	EE112T3HISCUNLP	EE112T3HISCUNLP	EE112T3HISCUNLP	—
	Top	Blank	EE30T3HISNLP	EE45T3HISNLP	EE75T3HISNLP	—	—
	Bottom	EE150T3HISNLP	EE150T3HISNLP	EE150T3HISNLP	EE150T3HISNLP	—	—
	Top	Blank	EE15T3HISCUNLP	EE30T3HISCUNLP	EE45T3HISCUNLP	EE75T3HISCUNLP	—
	Bottom	EE150T3HISCUNLP	EE150T3HISCUNLP	EE150T3HISCUNLP	EE150T3HISCUNLP	EE150T3HISCUNLP	—
K-13 115° C Rise	Top	Blank	EE30T3HFISNLP	EE45T3HFISNLP	EE75T3HFISNLP	—	—
	Bottom	EE75T3HFISNLP	EE75T3HFISNLP	EE75T3HFISNLP	EE75T3HFISNLP	—	—
	Top	Blank	EE15T3HFISCUNLP	EE30T3HFISCUNLP	EE45T3HFISCUNLP	EE75T3HFISCUNLP	—
	Bottom	EE75T3HFISCUNLP	EE75T3HFISCUNLP	EE75T3HFISCUNLP	EE75T3HFISCUNLP	EE75T3HFISCUNLP	—
	Top	Blank	EE30T3HFISNLP	EE45T3HFISNLP	EE75T3HFISNLP	—	—
	Bottom	EE112T3HFISNLP	EE112T3HFISNLP	EE112T3HFISNLP	EE112T3HFISNLP	—	—

**Table 9: 480 V Primary — 208Y/120 Secondary 3Ø Transformers (continued)**

Type	Location	Configurations <sup>1</sup>						
K-13 115° C Rise	Top	Blank	EE15T3HFISCUNLP	EE30T3HFISCUNLP	EE45T3HFISCUNLP	EE75T3HFISCUNLP	—	—
	Bottom	EE112T3HFISCUNLP	EE112T3HFISCUNLP	EE112T3HFISCUNLP	EE112T3HFISCUNLP	EE112T3HFISCUNLP	EE112T3HFISCUNLP	—
	Top	Blank	EE30T3HFISNLP	EE45T3HFISNLP	EE75T3HFISNLP	—	—	—
	Bottom	EE150T3HFISNLP	EE150T3HFISNLP	EE150T3HFISNLP	EE150T3HFISNLP	—	—	—
	Top	Blank	EE15T3HFISCUNLP	EE30T3HFISCUNLP	EE45T3HFISCUNLP	EE75T3HFISCUNLP	—	—
	Bottom	EE150T3HFISCUNLP	EE150T3HFISCUNLP	EE150T3HFISCUNLP	EE150T3HFISCUNLP	EE150T3HFISCUNLP	EE150T3HFISCUNLP	—
K-4 150° C Rise	Top	Blank	EE30T3HISNL	EE45T3HISNL	EE75T3HISNL	—	—	—
	Bottom	EE75T3HISNL	EE75T3HISNL	EE75T3HISNL	EE75T3HISNL	—	—	—
	Top	Blank	EE15T3HISCUNL	EE30T3HISCUNL	EE45T3HISCUNL	EE75T3HISCUNL	—	—
	Bottom	EE75T3HISCUNL	EE75T3HISCUNL	EE75T3HISCUNL	EE75T3HISCUNL	EE75T3HISCUNL	—	—
	Top	Blank	EE30T3HISNL	EE45T3HISNL	EE75T3HISNL	—	—	—
	Bottom	EE112T3HISNL	EE112T3HISNL	EE112T3HISNL	EE112T3HISNL	—	—	—
	Top	Blank	EE15T3HISCUNL	EE30T3HISCUNL	EE45T3HISCUNL	EE75T3HISCUNL	—	—
	Bottom	EE112T3HISCUNL	EE112T3HISCUNL	EE112T3HISCUNL	EE112T3HISCUNL	EE112T3HISCUNL	EE112T3HISCUNL	—
	Top	Blank	EE30T3HISNL	EE45T3HISNL	EE75T3HISNL	—	—	—
	Bottom	EE150T3HISNL	EE150T3HISNL	EE150T3HISNL	EE150T3HISNL	—	—	—
	Top	Blank	EE15T3HISCUNL	EE30T3HISCUNL	EE45T3HISCUNL	EE75T3HISCUNL	—	—
	Bottom	EE150T3HISCUNL	EE150T3HISCUNL	EE150T3HISCUNL	EE150T3HISCUNL	EE150T3HISCUNL	EE150T3HISCUNL	—
K-4 115° C Rise	Top	Blank	EE30T3HFISNL	EE45T3HFISNL	EE75T3HFISNL	—	—	—
	Bottom	EE75T3HFISNL	EE75T3HFISNL	EE75T3HFISNL	EE75T3HFISNL	—	—	—
	Top	Blank	EE15T3HFISCUNL	EE30T3HFISCUNL	EE45T3HFISCUNL	EE75T3HFISCUNL	—	—
	Bottom	EE75T3HFISCUNL	EE75T3HFISCUNL	EE75T3HFISCUNL	EE75T3HFISCUNL	EE75T3HFISCUNL	—	—
	Top	Blank	EE30T3HFISNL	EE45T3HFISNL	EE75T3HFISNL	—	—	—
	Bottom	EE112T3HFISNL	EE112T3HFISNL	EE112T3HFISNL	EE112T3HFISNL	—	—	—
	Top	Blank	EE15T3HFISCUNL	EE30T3HFISCUNL	EE45T3HFISCUNL	EE75T3HFISCUNL	—	—
	Bottom	EE112T3HFISCUNL	EE112T3HFISCUNL	EE112T3HFISCUNL	EE112T3HFISCUNL	EE112T3HFISCUNL	EE112T3HFISCUNL	—
	Top	Blank	EE30T3HFISNL	EE45T3HFISNL	EE75T3HFISNL	—	—	—
	Bottom	EE150T3HFISNL	EE150T3HFISNL	EE150T3HFISNL	EE150T3HFISNL	—	—	—
	Top	Blank	EE15T3HFISCUNL	EE30T3HFISCUNL	EE45T3HFISCUNL	EE75T3HFISCUNL	—	—
	Bottom	EE150T3HFISCUNL	EE150T3HFISCUNL	EE150T3HFISCUNL	EE150T3HFISCUNL	EE150T3HFISCUNL	EE150T3HFISCUNL	—

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Table 10: 480 V Primary — 120/240 Secondary 1Ø Transformers**

Type	Location	Configurations <sup>1</sup>						
EE 150° C Rise	Top	Blank	EE15S3H	EE25S3H	EE37S3H	EE50S3H	EE75S3H	EE100S3H
	Bottom	EE100S3H	EE100S3H	EE100S3H	EE100S3H	EE100S3H	EE100S3H	EE100S3H
	Top	Blank	EE15S3HCU	EE25S3HCU	EE37S3HCU	EE50S3HCU	EE75S3HCU	EE100S3HCU
	Bottom	EE100S3HCU	EE100S3HCU	EE100S3HCU	EE100S3HCU	EE100S3HCU	EE100S3HCU	EE100S3HCU
	Top	Blank	EE15S3H	EE25S3H	EE37S3H	EE50S3H	EE75S3H	EE100S3H
	Bottom	EE167S3H	EE167S3H	EE167S3H	EE167S3H	EE167S3H	EE167S3H	EE167S3H
	Top	Blank	EE15S3HCU	EE25S3HCU	EE37S3HCU	EE50S3HCU	EE75S3HCU	EE100S3HCU
	Bottom	EE167S3HCU	EE167S3HCU	EE167S3HCU	EE167S3HCU	EE167S3HCU	EE167S3HCU	EE167S3HCU

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Stacked Transformer 36 in. W x 36 in. D Enclosure — 600 V**

**Table 11: 600 V Primary — 208Y/120 Secondary 3Ø Transformers**

Type	Location	Configurations <sup>1</sup>					
EE 150° C Rise	Top	Blank	EE15T65H	EE30T65H	EE45T65H	EE75T65H	EE112T65H
	Bottom	EE112T65H	EE112T65H	EE112T65H	EE112T65H	EE112T65H	EE112T65H
	Top	Blank	EE30T65HCU	EE45T65HCU	EE75T65HCU	EE112T65HCU	—
	Bottom	EE112T65HCU	EE112T65HCU	EE112T65HCU	EE112T65HCU	EE112T65HCU	—
	Top	Blank	EE15T65H	EE30T65H	EE45T65H	EE75T65H	EE112T65H
	Bottom	EE150T65H	EE150T65H	EE150T65H	EE150T65H	EE150T65H	EE150T65H
	Top	Blank	EE30T65HCU	EE45T65HCU	EE75T65HCU	EE112T65HCU	—
	Bottom	EE150T65HCU	EE150T65HCU	EE150T65HCU	EE150T65HCU	EE150T65HCU	—
	Top	Blank	EE15T65H	EE30T65H	EE45T65H	EE75T65H	EE112T65H
	Bottom	EE225T65H	EE225T65H	EE225T65H	EE225T65H	EE225T65H	EE225T65H
	Top	Blank	EE30T65HCU	EE45T65HCU	EE75T65HCU	EE112T65HCU	—
	Bottom	EE225T65HCU	EE225T65HCU	EE225T65HCU	EE225T65HCU	EE225T65HCU	—

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

**Table 12: 600 V Primary — 120/240 Secondary 1Ø Transformers**

Type	Location	Configurations <sup>1</sup>						
EE 150° C Rise	Top	Blank	EE15S3534H	EE25S3534H	EE37S3534H	EE50S3534H	EE75S3534H	EE100S3534H
	Bottom	EE100S3534H	EE100S3534H	EE100S3534H	EE100S3534H	EE100S3534H	EE100S3534H	EE100S3534H
	Top	Blank	EE15S3534HCU	EE25S3534HCU	EE37S3534HCU	EE50S3534HCU	EE75S3534HCU	EE100S3534HCU
	Bottom	EE100S3534HCU	EE100S3534HCU	EE100S3534HCU	EE100S3534HCU	EE100S3534HCU	EE100S3534HCU	EE100S3534HCU
	Top	Blank	EE15S3534H	EE25S3534H	EE37S3534H	EE50S3534H	EE75S3534H	EE100S3534H
	Bottom	EE167S3534H	EE167S3534H	EE167S3534H	EE167S3534H	EE167S3534H	EE167S3534H	EE167S3534H
	Top	Blank	EE15S3534HCU	EE25S3534HCU	EE37S3534HCU	EE50S3534HCU	EE75S3534HCU	EE100S3534HCU
	Bottom	EE167S3534HCU	EE167S3534HCU	EE167S3534HCU	EE167S3534HCU	EE167S3534HCU	EE167S3534HCU	EE167S3534HCU

<sup>1</sup> A single phase transformer may be combined with three phase transformer provided:  
a) The three phase transformer must be bottom located  
b) The kVA rating of the single phase transformer must be equal to or smaller than the three phase transformer.

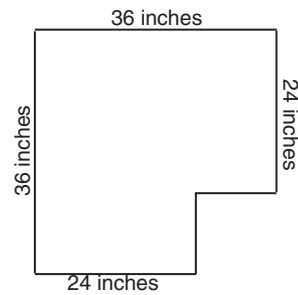
## IPC2 Corner Section

### Full Height Corner Sections

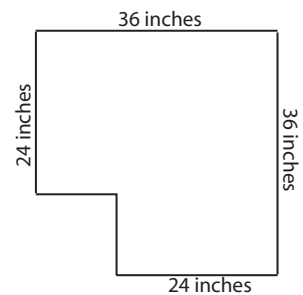
**Figure 51:** 36 in. w x 91.5 in. x 36 in.  
Type 1 Enclosure

**NOTE:** This is the corner section looking down from above.

Left corner section



Right corner section



Other corner section configurations available.

## Optional Features

The following are additional features that can be added to certain configurations. Contact your local Schneider Electric representative for more details.

- Metering options for main and branch circuits
- Split doors
- Keyed interlocking schemes
- Energy management systems
- Alternate maintenance setting switches
- Custom ATS configurations

## Appendix

Quantity of Electrically Held Contactors per Equipment Space Cell								
Contactors	24 in. w		36 in. w		42 in. w		48 in. w	
	1/4 in. h	1/2 in. h	1/4 in. h	1/2 in. h	1/4 in. h	1/2 in. h	1/4 in. h	1/2 in. h
8903 Type S 2,3 pole 30 A	6	12	6	12	6	12	6	12
8903 Type S 4,5 pole 30 A	6	12	4	8	6	12	4	8
8903 Type S 2,3 pole 60 A	6	12	4	8	6	12	4	8
8903 Type S 4,5 pole 60 A	2	4	2	4	2	4	2	4
8903 Type S 2,3 pole 100 A	2	6	2	6	2	6	2	6
8903 Type S 4,5 pole 100 A	1	2	1	2	1	2	1	2
8903 Type S 2,3 pole 200 A	2	4	2	4	2	4	2	4
8903 Type S 4,5 pole 200 A	1	2	1	2	1	2	1	2
8903 Type LO 2-4 pole	10	20	8	16	10	20	8	16
8903 Type LO 6 pole	6	12	4	8	6	12	4	8
8903 Type LO 8-12 pole	4	8	3	6	4	8	3	6

Quantity of Mechanically Held Contactors per Equipment Space Cell								
Contactors	24 in. w		36 in. w		42 in. w		48 in. w	
	1/4 in. h	1/2 in. h	1/4 in. h	1/2 in. h	1/4 in. h	1/2 in. h	1/4 in. h	1/2 in. h
8903 Type S 2,3 pole 30 A	3	6	3	6	3	6	3	6
8903 Type S 4,5 pole 30 A	3	6	2	4	3	6	2	4
8903 Type S 2,3 pole 60 A	3	6	2	4	3	6	2	4
8903 Type S 4,5 pole 60 A	2	4	2	4	2	4	2	4
8903 Type S 2,3 pole 100 A	2	4	2	4	2	4	2	4
8903 Type S 4,5 pole 100 A	1	2	1	2	1	2	1	2
8903 Type S 2,3 pole 200 A	2	4	2	4	2	4	2	4
8903 Type S 4,5 pole 200 A	1	2	1	2	1	2	1	2
8903 Type LX 2-4 pole	5	10	4	8	5	10	4	8
8903 Type LX 6 pole	3	6	2	4	3	6	2	4
8903 Type LX 8-12 pole	2	4	2	4	2	4	2	4

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