

Integrated Power Center (IPC) Class 2220

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 (IPC™) 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 Devices (SPD). IPC solutions can be further customized to include third party components such as building management systems.

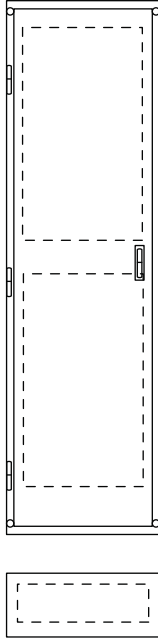
All IPC sections are available in Type 1, Type 1 with driphood, or Type 3R enclosures. IPC equipment is listed to UL891.

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.

Integrated Power Center (IPC™)

Full Height or Stacked Equipment Space

Figure 1: 24 in. w x 84 in. h x 10.25 in. d
Type 1 Enclosure
Dwg. IPC24-1

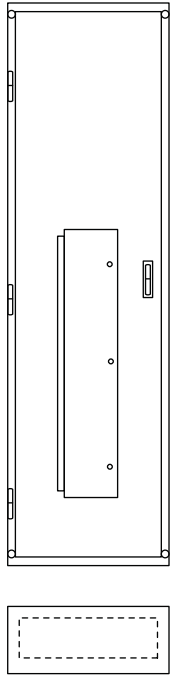


Equipment Space—1/2 Height or Full Height

- Backplate size 19.5 in. w x 34 in. h - 1/2 Height
- Backplate size 19.5 in. w x 68 in. h - Full Height
- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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

Full Height NQ or NF Panelboard

Figure 2: 24 in. w x 84 in. h x 10.25 in. d
Type 1 Enclosure
Dwg. IPC24-2



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.

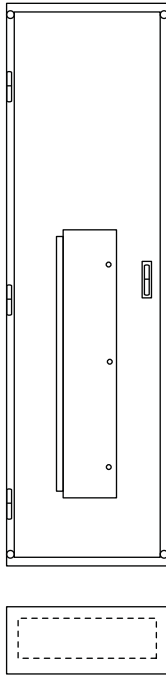
NQ–Full Height

SCCR 10 kA–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 devices (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 devices (SPD)
- 400 A max. vertical Main circuit breaker, 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options (choose one):
 - Feed-through lugs
 - Surge protective devices (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 devices (SPD)
- 600 A max. vertical Main circuit breaker, 54, 72, 84 circuits
 - Branch circuit breakers: 150 A max.
 - Options: Feed-through lugs

NF Full Height or NF Powerlink Full Height

SCCR 10 kA–200 kA

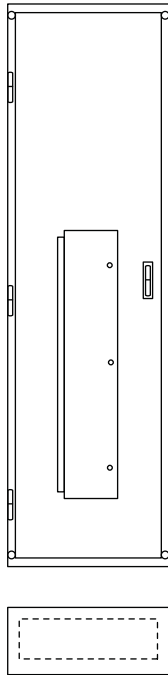
208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink 480Y/277 Vac 3Ø4W max.

- 250 A MLO, 42, 54, 66 circuits
 - Branch circuit breakers: 125 A max. at 480 V at 480 V or 110 A max. at 600 V
 - Powerlink 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 devices (SPD), (54 circuits max.)
- 400 A MLO, 42, 54 circuits
 - Option: Feed-through lugs
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 400 A MLO, 66 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 devices (SPD)

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.

NOTE: 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.

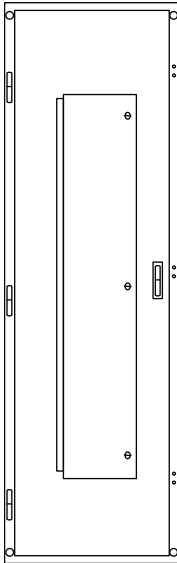
Figure 2 (cont.)



- 600 A MLO, 54, 66, 84 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 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 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 250 A max. Main circuit breaker, 66 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 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 devices (SPD)
- 400 A max. Main circuit breaker, 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 600 A max. Main circuit breaker, 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options: None
- NF Powerlink Master 600 A MLO, or a Main circuit breaker, max. 42, circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink 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: 26 in. w x 84 in. h x 10.25 in. d
Type 1 Enclosure
Dwg. IPC26-1



HCP-SU Single Row I-Line

SCCR 10 kA–200 kA

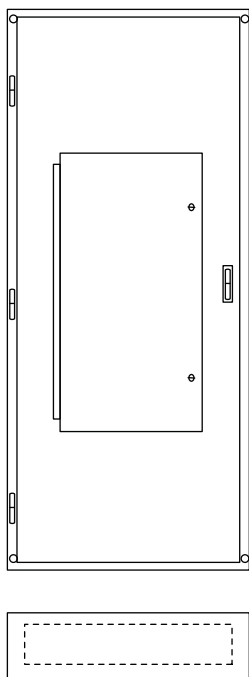
600 Vac max.

Single Row Mounting

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

Full Height HCM, I-Line Panel

Figure 4: 36 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC36-1



HCM I-Line

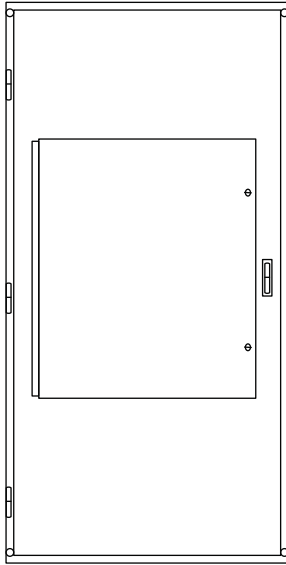
SCCR 10 kA–200 kA

600 Vac max., double-row mounting

- 800 A max. MLO with 63-in. circuit breaker mounting space
 - Feeder circuit breaker: 250 A max.
 - Options:
 - Sub-feed lugs
 - Surge protective devices (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 devices (SPD)

Full Height HCP, I-Line Panel

Figure 5: 42 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC42-1



HCR-U I-Line

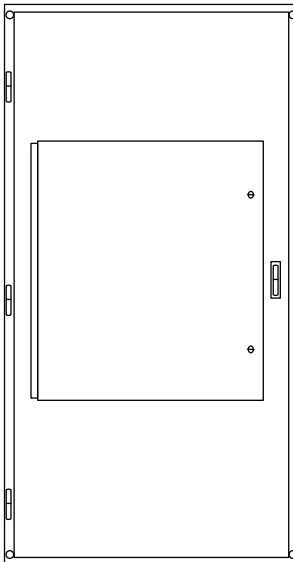
SCCR 10 kA–200 kA

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 devices (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 devices (SPD)

Full Height HCR-U, I-Line Panel

Figure 6: 44 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC44-1



HCP I-Line

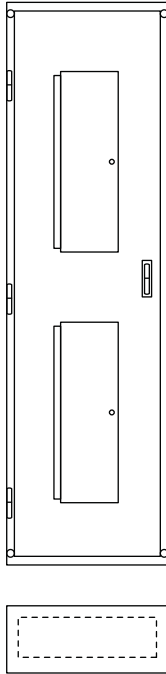
SCCR 10 kA–200 kA

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 devices (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 devices (SPD)

Stacked NQ/NF Panels

Figure 7: 24 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC24-5



NQ Stacked

SCCR 10 kA–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO—max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 interior (Options: Feed-through lugs), and 1–225 A max. MLO, 42 circuit interior (Options: None)

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.

NF Stacked or NF Powerlink Stacked

SCCR 10 kA–200 kA

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

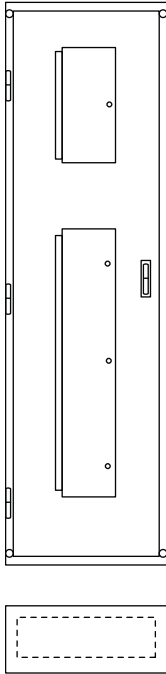
- NF 400 A MLO, max. 42 circuits, top or bottom
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Option: Sub-feed lugs
- NF Powerlink Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF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

Stacked NQ or NF Panelboard

Figure 8: 24 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC24-6



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

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 Stacked Top (1/4 Height)

SCCR 10 kA–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

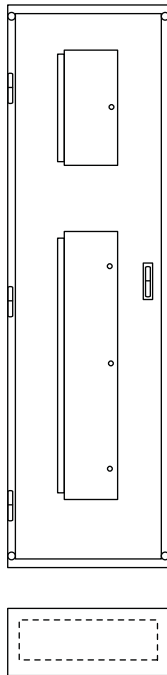
NQ Stacked Bottom (3/4 Height)

SCCR 10 kA–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.)
- 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: 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.

NOTE: 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 Bottom or NF Powerlink Stacked Bottom

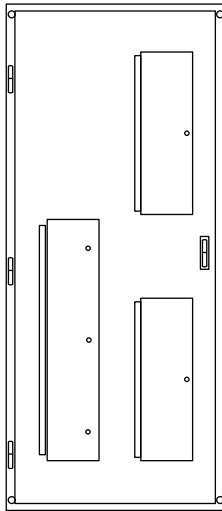
SCCR 10 kA–200 kA

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

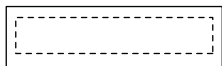
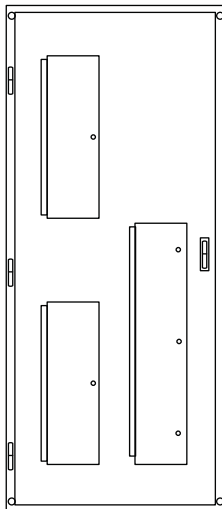
- 250 A MLO, max. 42 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Option: Sub-feed lugs
- 400 A MLO, max. 42 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options: None
- NF Powerlink Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Master 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink 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 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC36-3



Dwg. IPC-36-6



NOTE: For max. quantity of contactors see the "Appendix" on page 69.

NQ Side by Side–NF not permitted

SCCR 10 kA–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 devices (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 devices (SPD)

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 Stacked

SCCR 10 kA–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 A max. MLO–max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 A–250 A NQ MLO or Main circuit breaker: An optional 200% rated neutral is available in combination with any of the options listed.

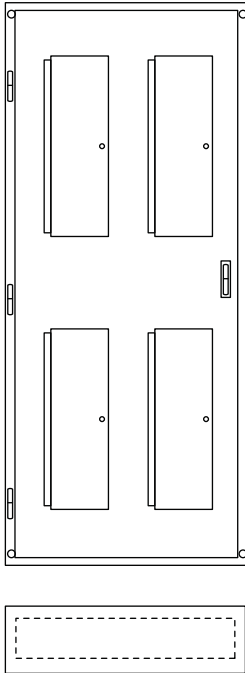
Equipment Space–Stacked

Backplate size 19.5 in. w x 34 in. h

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC36-8



NQ Stacked—NF not permitted

SCCR 10 kA–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 A max. MLO—max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 A–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

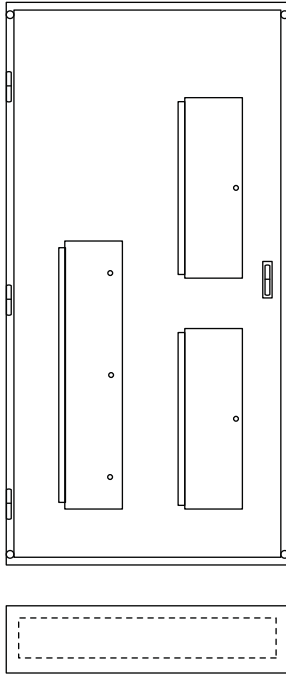
Backplate size 19.5 in. w x 34 in. h

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 69.

Side by Side NF Panelboard

Figure 11: 42 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC42-3



NF Stacked or NF Powerlink Stacked

SCCR 10 kA–200 kA

208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink 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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Option: Sub-feed lugs
- NF Powerlink Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave 400 A MLO, 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.

NOTE: 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.

Equipment Space–Stacked

Backplate size 19.5 in. w x 34 in. h

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 69.

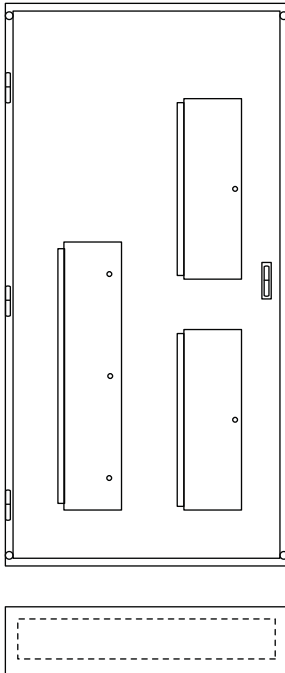
NF Side by Side or NF Powerlink Side by Side

SCCR 10 kA–200 kA

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

- 250 A MLO 42, 54, 66, 84 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 devices (SPD)

Figure 11 (cont.)

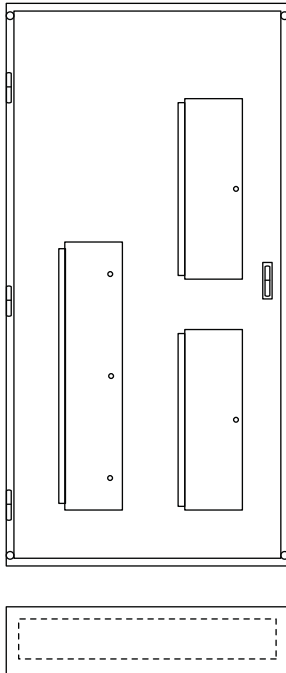


- 400 A MLO 42, 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options (choose one):
 - Sub-feed circuit breaker (2-250 A or 1-400 A max.)
 - Sub-feed lugs
 - Surge protective devices (SPD)
- 400 A MLO 66 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 600 A MLO 54, 66, 84 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 250 A Main circuit breaker, 66 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers are not available in this circuit count
 - Option: Feed-through lugs

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.

NOTE: 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.

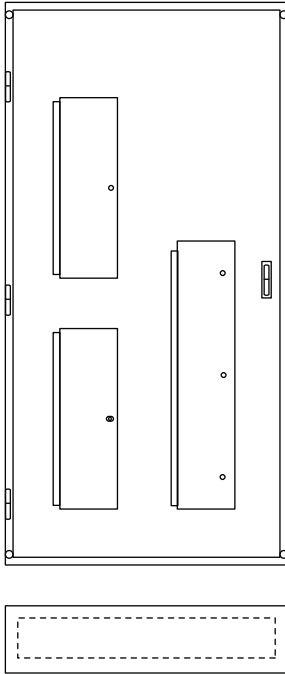
Figure 11 (cont.)



- 400 A Main circuit breaker, 42 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 400 A Main circuit breaker, 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 devices (SPD)
- 600 A Main circuit breaker, 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options: None
- NF Powerlink Master 600 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave 600 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Master 600 A Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
- NF Powerlink 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 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC42-7



NQ Stacked

SCCR 10 kA–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 A max. MLO—max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 A–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 19.5 in. w x 34 in. h

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 69.

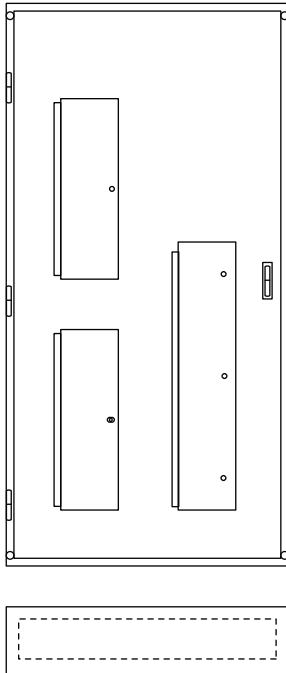
NQ Side by Side

SCCR 10 kA–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 devices (SPD)

Figure 12 (cont.)

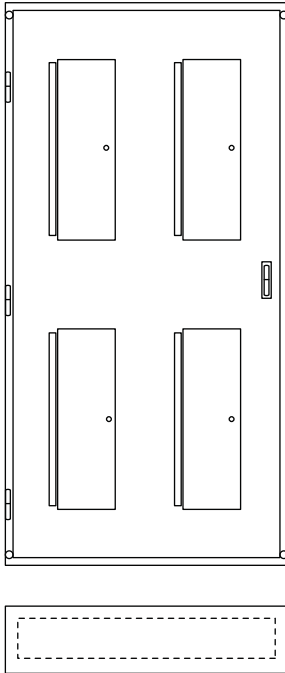


- 400 A MLO, 84 circuits
 - Branch circuit breakers: 150 A max.
 - Option: Sub-feed lugs
- 600 A MLO, 42, 54, 72 circuits
 - Branch circuit breakers: 150 A max.
 - Options (choose one):
 - Sub-feed circuit breaker (225 A max.)
 - Feed-through lugs
 - Surge protective devices (SPD)
- 600 A MLO, 84 circuits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

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.

Stacked NQ, NF, or NF Powerlink Panelboard

Figure 13: 42 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC42-8



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.

NOTE: 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.

NQ Stacked

SCCR 10 kA–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 A max. MLO—max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 A–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 Stacked

SCCR 10 kA–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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.)
 - Option: Sub-feed lugs
- NF Powerlink Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
 - Same options as NF panel
- NF Powerlink Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Same options as NF panel

Equipment Space–Stacked

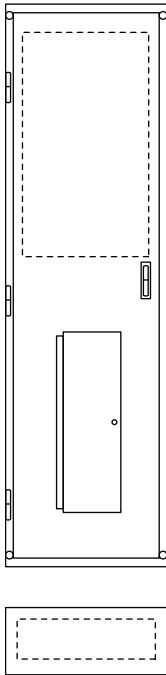
Backplate size 19.5 in. w x 34 in. h

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 69.

Combination Equipment Space, NQ or NF Panelboard

Figure 14: 24 in. w x 84 in. h x 10.25 in. d
Type 1 Enclosure
Dwg. IPC24-3



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.

NOTE: 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.

Equipment Space (1/2 Height)

Backplate size 19.5 in. w x 34 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 A–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 69.

NQ Stacked Combination

SCCR 10 kA–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 A max. MLO—max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - -Options: None
- 250 A max. Main circuit breaker, 42 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None

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.

NF Stacked Combination or NF Powerlink Stacked Combo

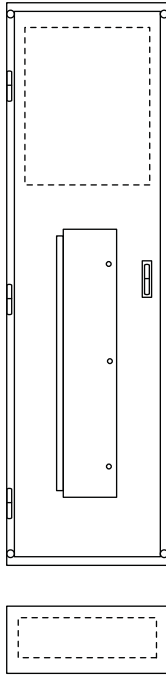
SCCR 10 kA–200 kA

08Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink 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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options: Sub-feed lugs
- NF Powerlink Master, 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave, 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel

Stacked Equipment Space

Figure 15: 24 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC24-4



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.

Equipment Space (1/4 Height)

Backplate size 16.5 in. w x 22 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 69.

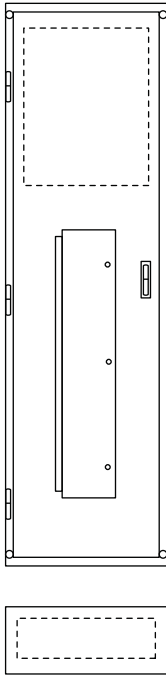
NQ Stacked Combination (3/4 Height)

SCCR 10 kA–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 15 (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.

NOTE: 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 Stacked Combination

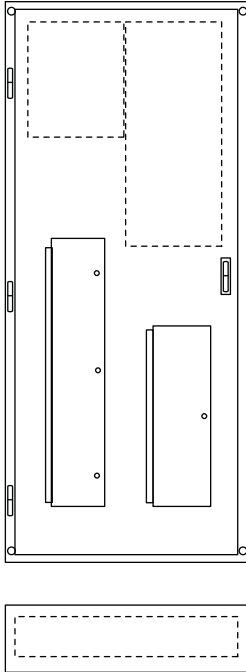
SCCR 10 kA–200 kA

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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options (choose one):
 - Sub-feed lugs
 - Surge protective devices (SPD)
- 250 A MLO, max. 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options: None
- NF Powerlink Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Master 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave 250 A, Main circuit breaker, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel

NQ Stacked Combination

Figure 16: 36 in. w x 84 in. x 10.25 in. d Type 1 Enclosure Dwg. IPC36-2



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 69.

Equipment Space–Left (1/4 Height)

Backplate size 16.75 in. w x 22 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 kA–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 devices (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 16.75 in. w x 36 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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.

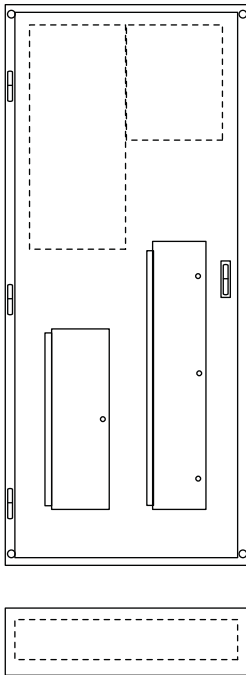
NQ Stacked Combination–Right (1/2 Height)

SCCR 10 kA–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 A max. MLO–max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 225/250 A max. Main circuit breaker, 42 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None

**Figure 17: 36 in. w x 84 in. x 10.25 in. d
 Type 1 Enclosure
 Dwg. IPC36-5**



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 69.

Equipment Space–Left (1/2 Height)

Backplate size 16.5 in. w x 36 in. h
 SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 kA–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 A max. MLO–max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 16.5 in. w x 22 in. h
 SCCR, see document no. 2010DB0201

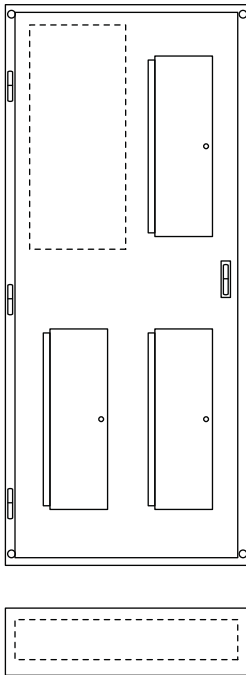
- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–200 A electrically and mechanically held
- Contactor wiring options
 - Unwired: Mounted in cell only
 - Line side wired: Line side wired to a branch circuit breaker(s)
 - Fully wired: Line side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

NQ Stacked Combination

(3/4 Height)
 SCCR 10 kA–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 devices (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 devices (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 18: 36 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC36-4**



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 69.

Equipment Space–1/2 Height–Left

Backplate size 16.5 in. w x 36 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 kA–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 A max. MLO–max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 225/250 A max. Main circuit breaker, max. 42 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None

NQ Stacked–Right

SCCR 10 kA–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)

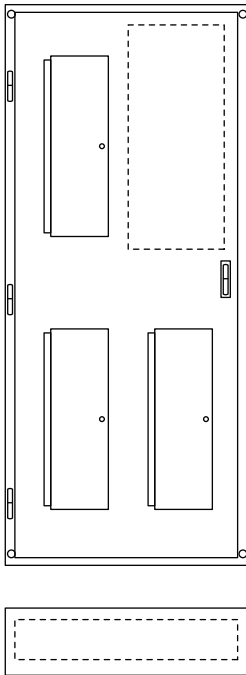
NQ Stacked Combination–Right

SCCR 10 kA–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 19: 36 in. w x 84 in. x 10.25 in. d
 Type 1 Enclosure
 Dwg. IPC36-7**



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 69.

NQ Stacked Combination–Left

SCCR 10 kA–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 kA–200 kA

208Y/120 Vac 3Ø4W or 120/240 Vac 1Ø3W

- 225 A max. MLO 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)

Equipment Space–1/2 Height–Right

Backplate size 16.5 in. w x 36 in. h

SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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

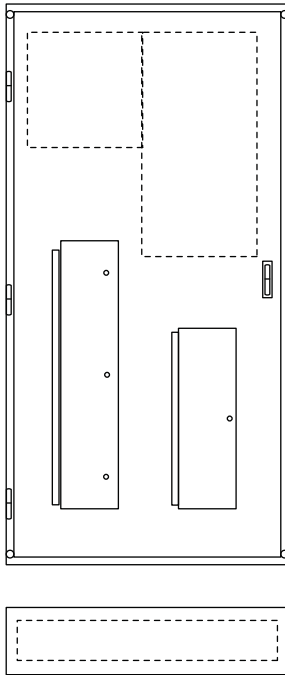
SCCR 10 kA–200 kA

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

NQ, NF, or NF Powerlink Stacked Combination

**Figure 20: 42 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC42-2**



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 69.

Equipment Space–Left (1/4 Height)

Backplate size 16.5 in. w x 22 in. h
SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 kA–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 devices (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 16.5 in. w x 36.5 in. h
SCCR, see document no. 2010DB0201

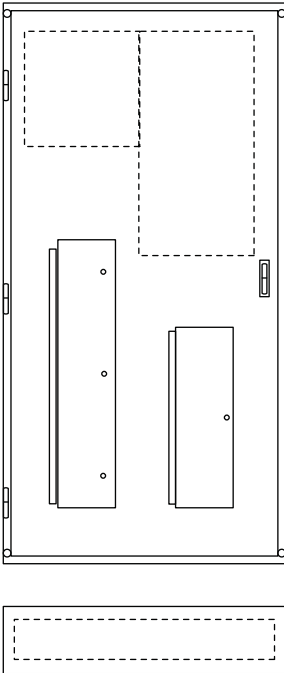
- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–200 A electrically and mechanically held
- Contactor wiring options
 - Unwired: Mounted in cell only
 - Line side wired: Line side wired to a branch circuit breaker(s)
 - Fully wired: Line side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

NQ Stacked Combination (1/2 Height)

SCCR 10 kA–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 A max. MLO–max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 225/250 A Vertical Main circuit breaker, 42 circuits Branch
 - Branch circuit breakers: 150 A max.
 - Options: None

Figure 20 (cont.)



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

SCCR 10 kA–200 kA
 208Y/120 Vac 3Ø4W, 480Y/277 Vac 3Ø4W, or 600Y/347 Vac 3Ø4W, NF Powerlink 480Y/277 Vac 3Ø4W max.

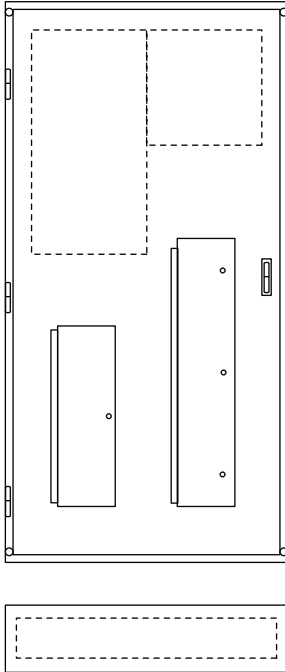
- NF 250 A max. MLO, 42 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options (choose one):
 - Sub-feed lugs
 - Surge protective devices (SPD)
- NF 250 A max. MLO, 54 circuits
 - Branch circuit breakers: 125 A max. at 480 V or 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink 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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Options: None
- NF Powerlink Master 400 A MLO, max. 36 circuits, 480Y/277 Vac 3Ø4W max.
 - Same options as NF panel
- NF Powerlink Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Same options as NF panel
- NF Powerlink Master 250 A, Main circuit breaker max. 36 circuits, 480Y/277 Vac 3Ø4W max.
 - Same options as NF panel
- NF Powerlink 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 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 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 110 A max. at 600 V
 - Powerlink branch circuit breakers: 20 A 3P or 30 A 2P max.
 - Option: Sub-feed lugs
- NF Powerlink Master 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel
- NF Powerlink Slave 400 A MLO, max. 42 circuits, 480Y/277 Vac 3Ø4W max.
 - Options: Same as NF panel

**Figure 21: 42 in. w x 84 in. x 10.25 in. d
Type 1 Enclosure
Dwg. IPC42-5**



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 69.

Equipment Space–Left (1/2 Height)

Backplate size 16.5 in w x 36 in h
SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 kA–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 A max. MLO–max. 54 circuits
 - Branch circuit breakers: 150 A max.
 - Options: None
- 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 16.5 in w x 22 in h
SCCR, see document no. 2010DB0201

- Contactor options:
 - 8903 Type LO, 20 A electrically held and LX mechanically held
 - 8903 Type S, 30 A–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 kA–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 devices (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

IPC Corner Section

Full Height Corner Sections

Figure 22: 12 in. w x 84 in. h x 12 in. d
Type 1 Enclosure

Left corner section



Right corner section

