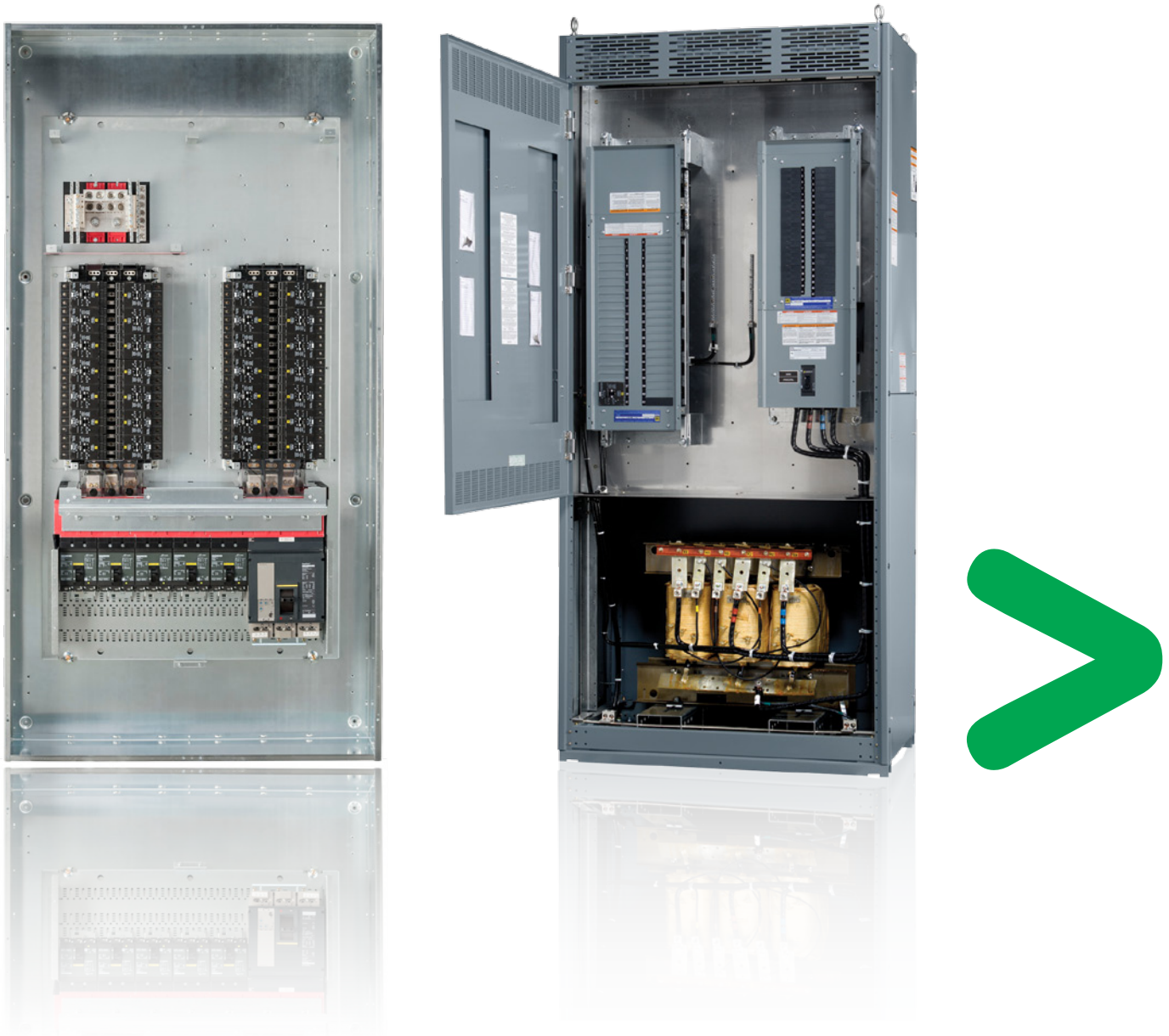


# Integrated Solutions

Simple and flexible designs for space and time savings



 **SQUARE D**™

by Schneider Electric

# Save up to 40% wall space!

## Integrated Power Center 2 (IPC2)

The Integrated Power Center 2 (IPC2) transformer combo was the first member of the IPC2 family of Square D™ products offered by Integrated Power and Control Solutions (IPaCS). Ideally suited for projects having both 480 Y/277 V and 208 Y/120 V requirements, its efficient, space-saving design means big value.

## I-Line Combo Panelboard

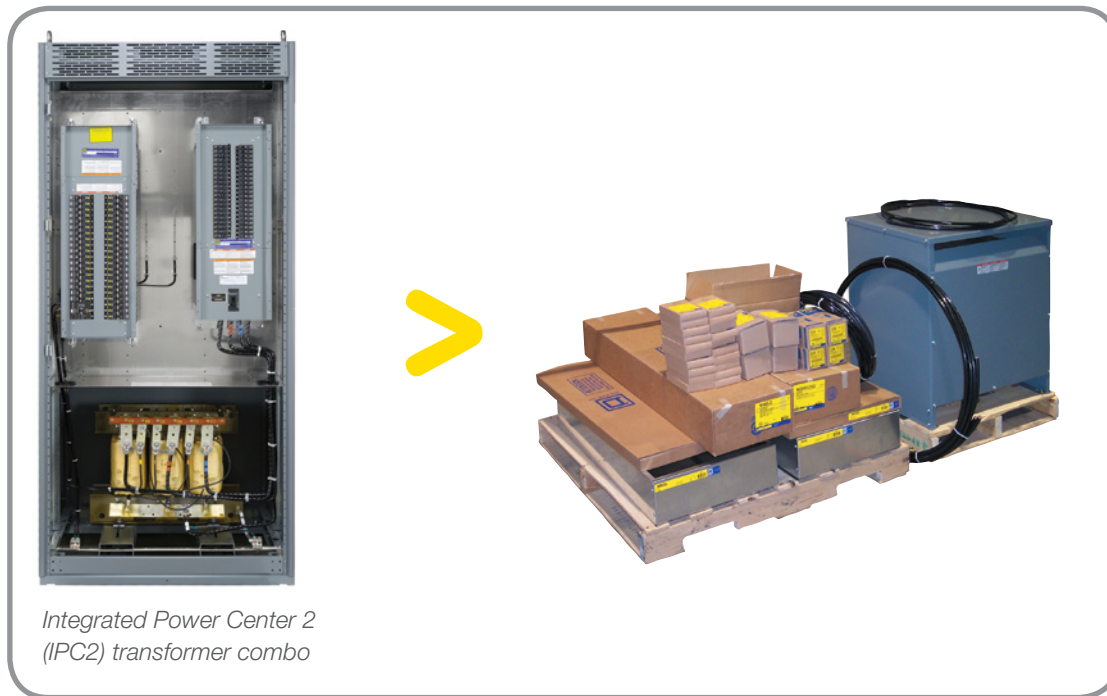
The Square D I-Line™ Combo Panelboard combines an I-Line power section with NQ or NF lighting sections in one panelboard. This innovative design saves space and installation time, while providing the rugged capabilities you have trusted for decades.

The IPC2 transformer combo and I-Line Combo Panelboard decreases electrical room space requirements by 40 percent or more. This integrated approach also means less conduit, fittings, and feeder cables, which dramatically improves on-site installation time and material costs. IPC2 units are factory inspected and tested, then packaged and shipped as a single unit, which saves valuable installation time! This is a simple and flexible solution that is right for your job site.

	I-Line Combo Panelboard	Integrated Power Center 2 (IPC2)
<b>Features</b>		
Standards	UL® 67: Panelboard standard requirements	UL 891: Switchboard standard requirements
Connection to included section	Hard-bussed connection	Cabled connection between products
Voltage Configuration	Single voltage throughout structure 600Y/347 maximum	Multiple voltages available throughout structure Transformer: 300 kVA max.
Availability	Factory-assembled Ready-to-install	Factory-assembled and prewired
Enclosure Type	NEMA® Type 1, 3R, 4/4X, 5 and 1 2 panelboard platform	NEMA Type 1 (available with optional driphood) and 3R switchboard platform
Mounting	Wall-mounted	Free-standing
Dimensions	26" W x 86" H x 9.5" D 32" W x 73" H x 9.5 D 32" W x 91" H x 9.5" D 44" W x 86" H x 9.5" D	Std W: 24", 30", 36", 42", and 48" Std H: 91.5" Std D: 24" and 36"
Maximum Amperage Range	Main Lug: 800 Amps Main Breaker: 1,200 Amps	Main Lug: 1,200 Amps Main Breaker: 1,200 Amps
Control Capabilities Availability	Yes • Lighting contactors (optional)	Yes • Lighting contactors • Building management systems
Surge Protection Availability	Yes	Yes
Metering and Monitoring Availability	Yes • Communication capabilities (H/J/L/P/R-Frame PowerPact™ with Micrologic™ breakers)	Yes • Communication capabilities (H/J/L/P/R-Frame PowerPact with Micrologic breakers) • PM's, CM's, BCM's, EM4800's
Applications	Retail Commercial Buildings Industrial Healthcare Datacenters Office/Banks	Retail Commercial Buildings Industrial Healthcare Datacenters Office/Banks

# Integrated Power Center 2 (IPC2) Transformer Combo

Efficient design saves time and handling costs.



The Integrated Power Center 2 (IPC2) transformer combo is shipped as an integrated system to dramatically reduce installation time and material-handling costs.

*Integrated Power Center 2 (IPC2) transformer combo*

## Reduced floor and wall space required

- Panels are stacked above a transformer, reducing the overall footprint and saving valuable floor and wall space.

## Reduced on-site installation labor required

- Panels and transformer are factory mounted, assembled, and cabled in a single enclosure, which means installation can take hours rather than days.
- Contractor labor risk is minimized due to reduced installation hours.

## Reduced material costs and handling

- Solution requires fewer items to receive, inventory, retrieve, and install.
- Wiring between the internal components of the section (transformers, panels, individually mounted circuit breakers, contactors) is done at the factory, saving labor and eliminating conduit, wire, and fittings.

## Complies with NEC and UL requirements

- The IPC2 transformer combo is designed and manufactured to comply with National Electric Code® (NEC) and UL requirements.
- The IPC2 transformer combo is seismically certified to ICC ES AC156 seismic testing protocol
- Electrical distribution equipment is factory assembled and tested in a controlled factory environment, ensuring the highest quality standards are met.

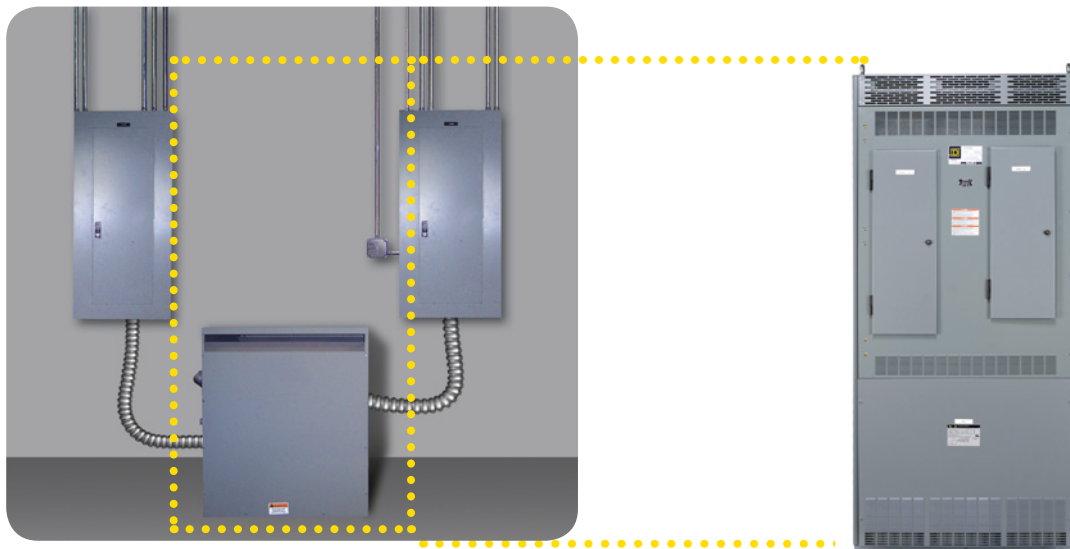
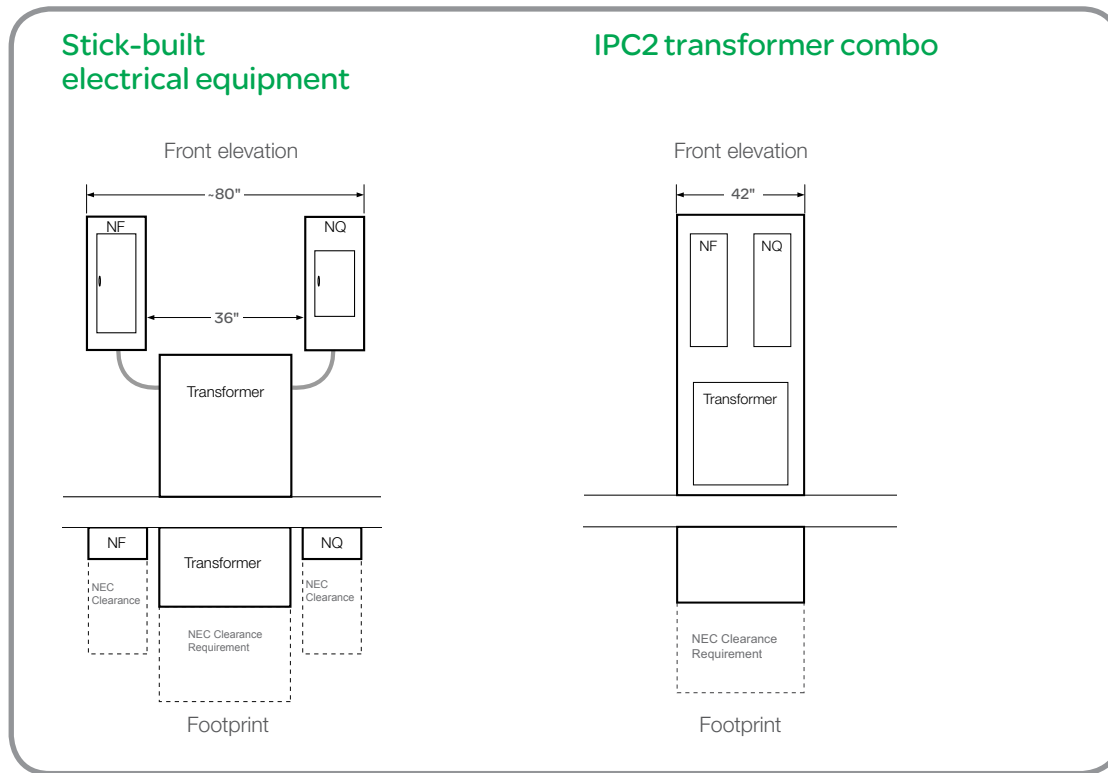
## Top and bottom conduit entry/exit space available

- The stand-alone IPC2 transformer combo provides the flexibility to enter and/or exit the section from either the top or bottom, saving installation time and materials.

# Typical small project installation comparison



Installing an IPC2 transformer combo reduces the required wall space (below) and floor space (left) by 40 percent or more when compared to a traditional stick-built electrical room.

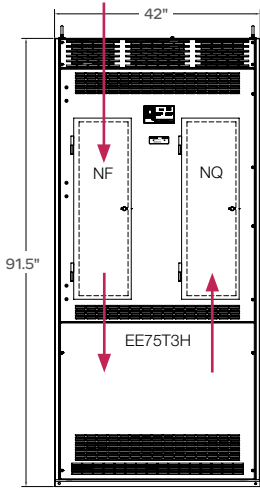


## Additional savings

	Stick-built	Transformer combo	Savings realized
<b>Estimated labor hours</b>	26 – 32	3 – 6	23 – 26
<b>Materials used</b>	Associated pipe, wire, and fittings	N/A	Associated pipe, wire, and fittings
<b>Number of pieces handled</b>	20 – 30	1	19 – 29

# Standard merchandise configurations\*

## Catalog No. IPC2TC-1EE

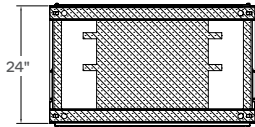


**NF Panel**  
 480/277 V 3 Ph 4 W  
 225/3 MB 18 k AIC  
 1 – 125/3 (Transformer)  
 39 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

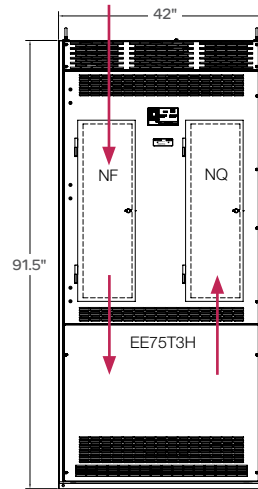
**NQ Panel**  
 208 Y/120 V 3 Ph 4 W  
 225/3 MB 10 k AIC  
 42 – 1PSO  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V 3 Ph  
 75 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 1,150 lb.



## Catalog No. IPC2TC-2EE

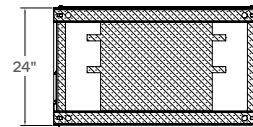


**NF Panel**  
 480/277 V 3 Ph 4 W  
 400 A MLO 18 k AIC  
 1 – 125/3 (Transformer)  
 39 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

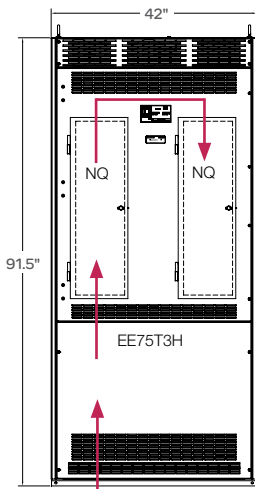
**NQ Panel**  
 208 Y/120 V 3 Ph 4 W  
 225/3 MB 10 k AIC  
 42 – 1PSO  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V 3 Ph  
 75 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 1,150 lb.



## Catalog No. IPC2TC-3EE

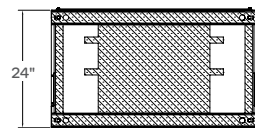


**NQ Panel**  
 208 Y/120 V 3 Ph 4 W  
 225/3 MB 10 k AIC  
 42 – 1PSO  
 Copper Bus  
 Ground Bus  
 FT Lugs

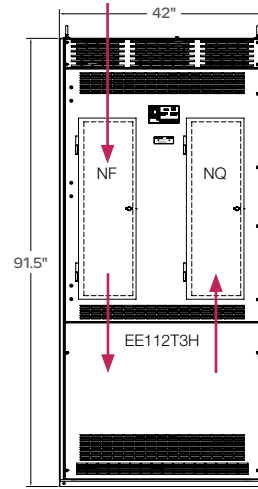
**NQ Panel**  
 208 Y/120 V 3 Ph 4 W  
 225 A MLO 10 k AIC  
 42 – 1PSO  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V 3 Ph  
 75 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 1,125 lb.



## Catalog No. IPC2TC-4EE

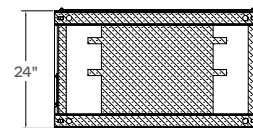


**NF Panel**  
 480/277 V 3 Ph 4 W  
 400 A MLO 18 k AIC  
 1 – 175/3 (Transformer)  
 30 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

**NQ Panel**  
 208 Y/120 V 3 Ph 4 W  
 400/3 MB 10 k AIC  
 42 – 1PSO  
 Copper Bus  
 Ground Bus

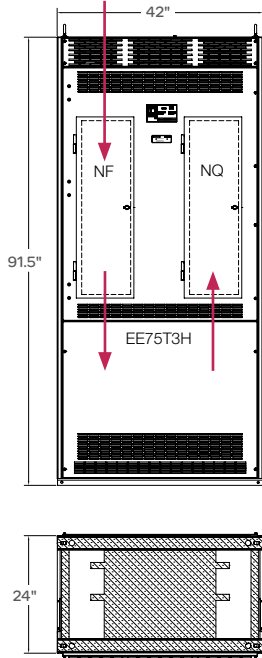
**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V 3 Ph  
 112.5 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 1,385 lb.



\*All selections can be fed from top or bottom.

**Catalog No. IPC2TC-5EE**



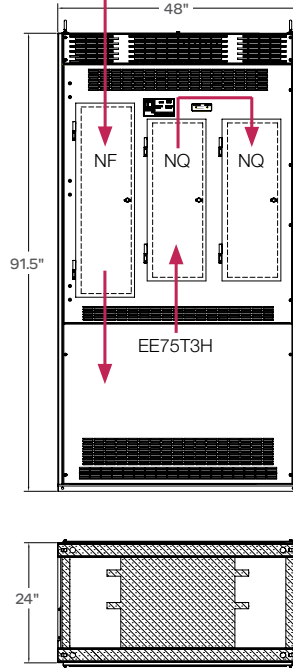
**NF Panel**  
 480/277 V                      3 Ph 4 W  
 400/3 MB                      18 k AIC  
 1 – 125 / 3 (Transformer)  
 27 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

**NQ Panel**  
 208 Y/120 V                      3 Ph 4 W  
 225 / 3 MB                      10 k AIC  
 42 – 1PSO  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V                      3 Ph  
 75 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 1,160 lb.

**Catalog No. IPC2TC-6EE**



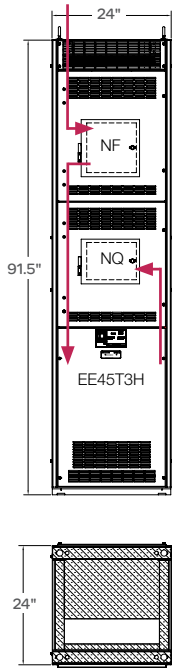
**NF Panel**  
 480 / 277 V                      3 Ph 4 W  
 225 / 3 MB                      18 k AIC  
 1 – 125/3 (Transformer)  
 39 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

**NQ Panel**  
 208 Y / 120 V                      3 Ph 4 W  
 225/3 MB                      10 k AIC  
 84 – 1PSO Total  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V                      3 Ph  
 75 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 1,300 lb.

**Catalog No. IPC2TC-7EE**



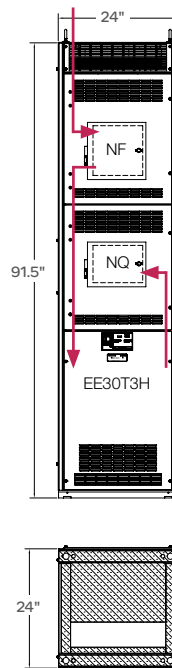
**NF Panel**  
 480/277 V                      3 Ph 4 W  
 125 A MLO                      18 k AIC  
 1 – 60/3 (Transformer)  
 15 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

**NQ Panel**  
 208 Y/120 V                      3 Ph 4 W  
 125/3 MB                      10 k AIC  
 12 – 1PSO  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V                      3 Ph  
 45 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

**Estimated Weight**  
 900 lb.

**Catalog No. IPC2TC-8EE**



**NF Panel**  
 480/277 V                      3 Ph 4 W  
 125 A MLO                      18 k AIC  
 1 – 40/3 (Transformer)  
 15 – 1PSO  
 Copper Bus  
 Ground Bus  
 SUSE

**NQ Panel**  
 208 Y/120 V                      3 Ph 4 W  
 100/3 MB                      10 k AIC  
 15 – 1PSO  
 Copper Bus  
 Ground Bus

**Transformer**  
 Type EE (Energy Efficient)  
 480 V – 208 Y/120 V                      3 Ph  
 30 kVA  
 150 °C Temp. Rise  
 Aluminum Windings  
 6 – 2.5% Taps; 2+ 4-

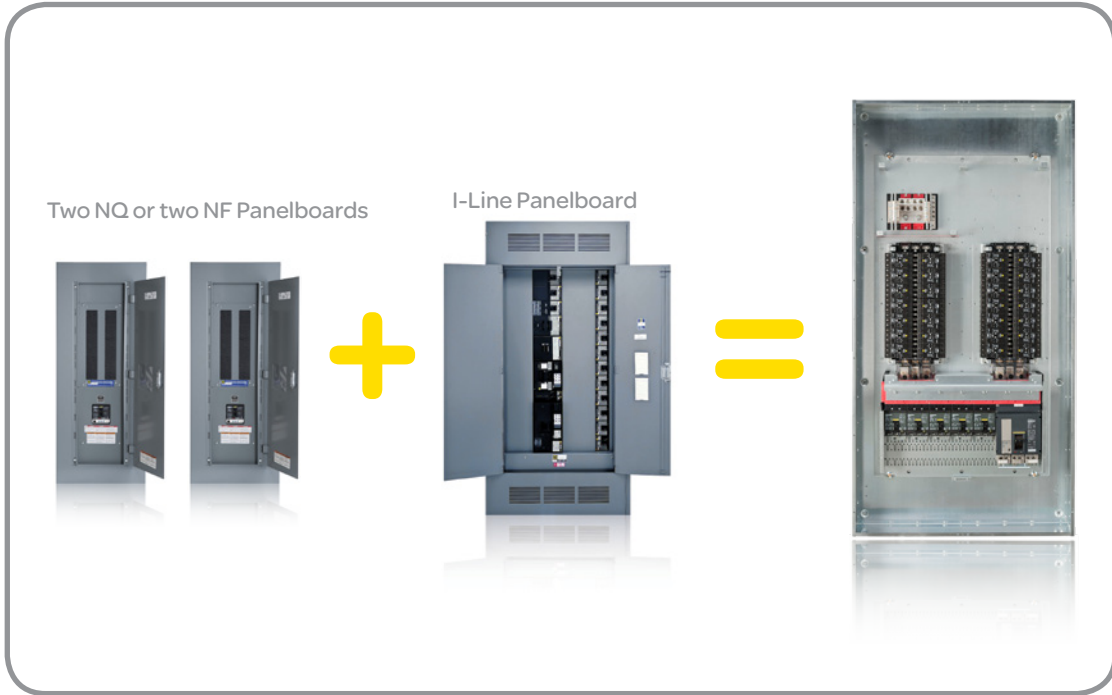
**Estimated Weight**  
 800 lb.

# I-Line Combo Panelboard

Efficient design saves time and space.



The I-Line Combo Panelboard offers a smart, space-saving design for fast installation and a smaller footprint, all with the proven reliability trusted for decades.



## Reduced floor and wall space required

- The innovative I-Line Combo Panelboard offers a Square D NQ or NF lighting section in the same enclosure as an I-Line power section, which requires up to 40 percent less space than traditional, multiple boxes.

## Less installation time and materials costs

- Instead of installing multiple panelboards at one site, reduce installation time by installing ONE I-Line Combo Panelboard.
- Decrease material costs by only having to cable one enclosure.

## Meets/complies with UL requirements

- The I-Line Combo Panelboard is built to the same UL Listed 67 standard as other Square D panelboards.

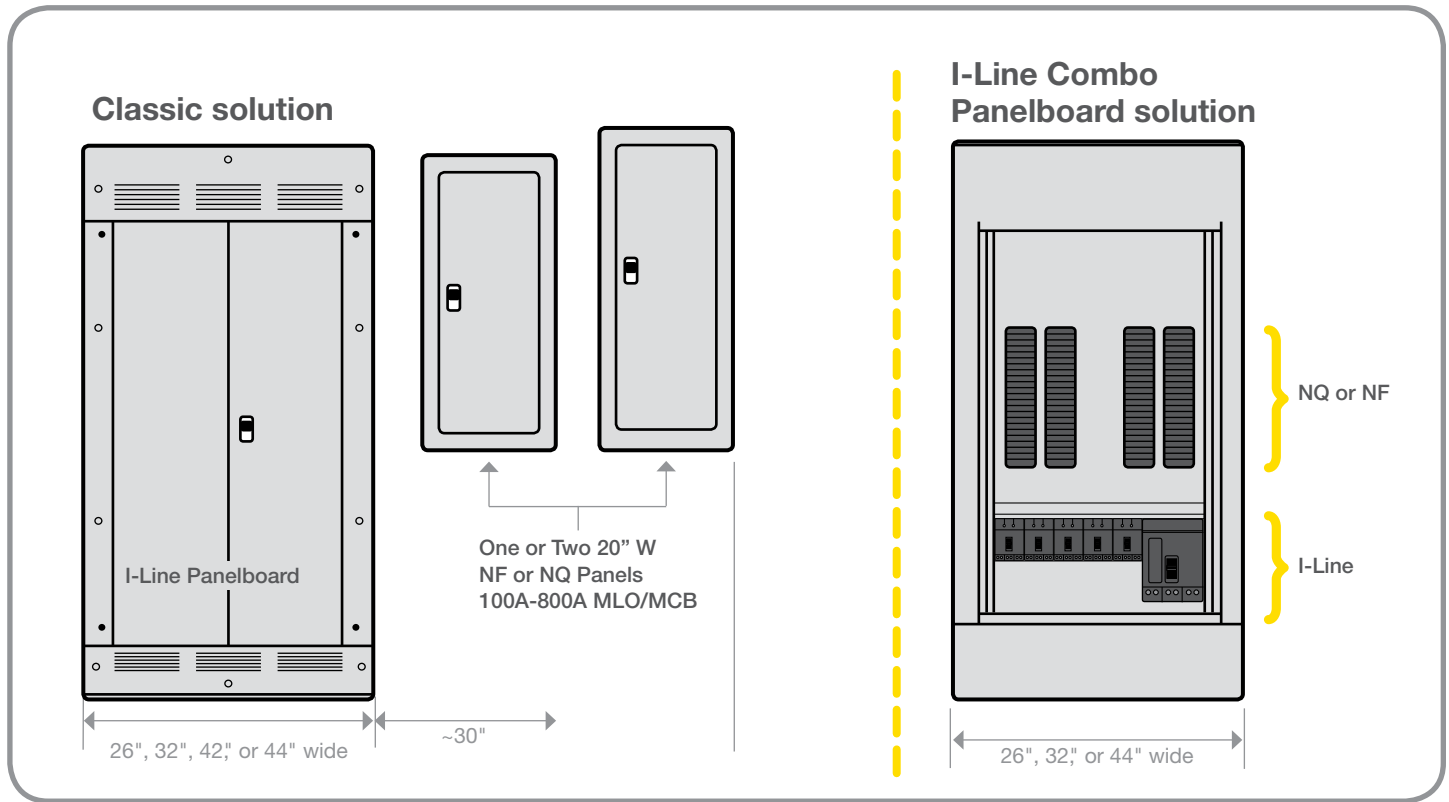
## Manage costs

- By combining the lighting sections with the I-Line power section in one enclosure, costs can be further reduced by using smaller and more cost-effective breakers in the NQ or NF lighting sections.

## Flexible Configurations

- Single enclosure is available in 26- or 32-inch widths
- Duplex enclosure is available in 32- or 44-inch widths.
- I-Line Combo Duplex Panelboard has two hard-bussed lighting sections. An optional mounting space section is available that provides space for field-installable components.

This innovative design requires up to 40 percent less space than a traditional I-Line and NF or NQ lighting panelboard configuration. Whether it is a brand-new site or a project requiring an electrical distribution update, the I-Line Combo Panelboard seamlessly integrates to offer a simple, flexible, and innovative solution.



The Square D brand is an integral part of the Schneider Electric™ portfolio. As the global specialist in energy management, we deliver proven reliability, expertise, and comprehensive solutions.

Additional IPC2 configurations are available based on your customer's specific requirements. For information on space-saving products, contact **888-SQUARED**, ask your authorized Schneider Electric Distributor, or visit [www.schneider-electric.com/us](http://www.schneider-electric.com/us)

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