



Junction Enclosures

Introduction

Howard Industries' junction enclosures are designed to provide a rugged, tamper-resistant housing for multipoint medium-voltage junction modules used in connection, looping, or tapping applications. Junction enclosures are available for both single-phase and three-phase systems.

Standard Features

Howard junction enclosures are supplied with the following standard features:

- Mild steel all-welded construction
- Electrostatically applied polyester powder primer with polyurethane topcoat; enclosure color is Munsell 7GY3.29/1.5 green; junction mounting plate color is Munsell 5BG7.0/0.4 gray
- Stainless steel handle, padlock provision, recess cup, hinge pins and barrels
- Silicon bronze pentahead security bolt
- Rounded edges for safety
- Lifting provisions
- Grounding provisions
- Junction mounting plate with provisions for mounting junction modules
- Cabinet sizes available for single-phase and three-phase applications, accommodating optional 2-, 3-, 4-, 5-, or 6-point junctions rated 15, 25, or 35 kV, at 200 or 600 Amps.
- Cabinet meets requirements of ANSI C57.12.28 (American National Standard, Pad-Mounted Equipment-Enclosure Integrity)
- Accepted by RUS



Figure 1: Single-phase junction enclosure (shown with optional switching module installed)

Options

Junction enclosures are available with the following optional features and accessories:

- Stainless steel all-welded construction, meeting requirements of ANSI C57.12.29 (American National Standard, Pad-Mounted Equipment-Enclosure Integrity for Coastal Environments)
- Fault indicator provisions
- Hold-down cleats

- 2-, 3-, 4-, 5-, or 6-point junctions rated 15, 25, or 35 kV, at 200 or 600 Amps.

Contact the factory to discuss additional options and design variations that may be available to satisfy special requirements.

Figure 1 and Table 1 describe standard single-phase style junction enclosures. Figure 2 and Table 2 describe standard three-phase style junction enclosures. In addition to standard junction enclosures, Howard Industries can provide custom designs for special applications. Contact the factory to discuss our custom design capabilities including variations in overall dimensions, junction mounting methods, construction materials, finishes, and accessories.

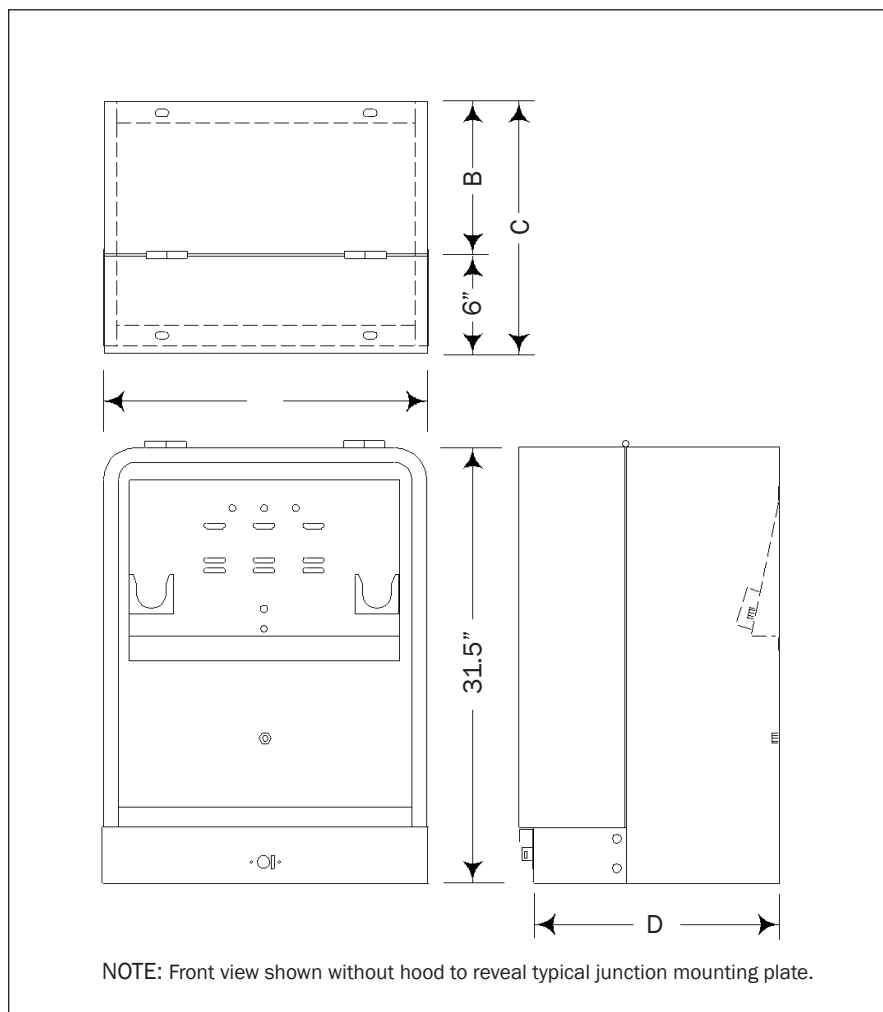


FIGURE 1: Dimensions for standard single-phase style junction enclosures (refer to Table 1)

TABLE 1: Catalog numbers, KV ratings, and nominal dimensions for standard single-phase style junction enclosures (refer to FIGURE 1)

Catalog Number	KV Rating	Nominal Dimensions (Inches)			
		A	B	C	D
4526-268770-2yy	15-25	26	12.5	18.5	17.125
4530-268770-2yy	15-25	30	12.5	18.5	17.125
4548-268770-2yy	15-25	48	12.5	18.5	17.125
4526-268770-4yy	15-25-35	26	16.75	22.75	21.375
4530-268770-4yy	15-25-35	30	16.75	22.75	21.375
4548-268770-4yy	15-25-35	48	16.75	22.75	21.375

Note: "y" catalog number digits are assigned by factory.

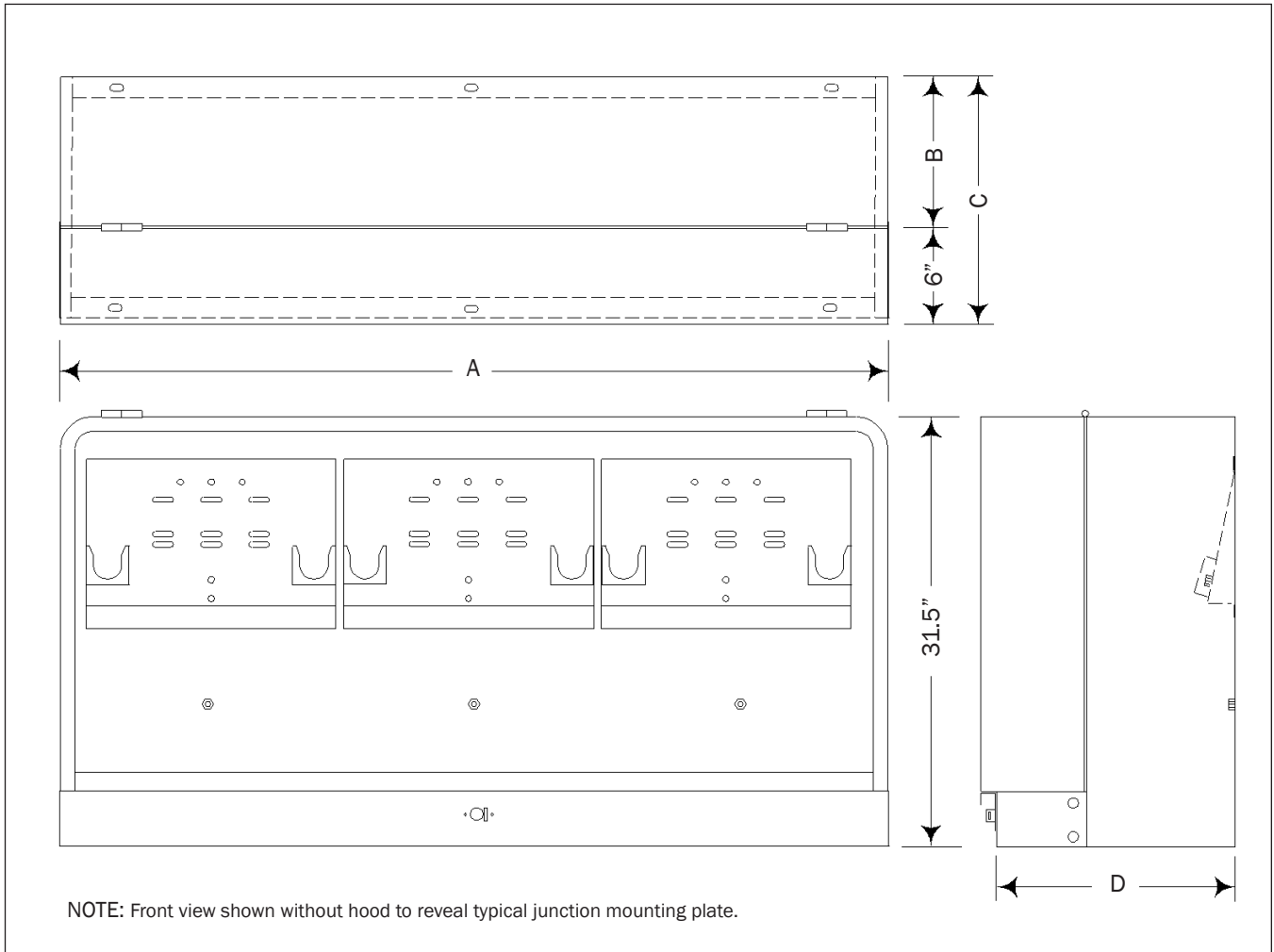


FIGURE 2: Dimensions for standard three-phase style junction enclosures (refer to Table 2)

TABLE 2: Catalog numbers, KV ratings, and nominal dimensions for standard single-phase style junction enclosures (refer to Figure 2)

Catalog Number	KV Rating	Nominal Dimensions (Inches)			
		A	B	C	D
4560-268770-2yy	15-25	60	12.5	18.5	17.125
4578-268770-2yy	15-25	78	12.5	18.5	17.125
4584-268770-2yy	15-25	84	12.5	18.5	17.125
4560-268770-4yy	15-25-35	60	16.75	22.75	21.375
4578-268770-4yy	15-25-35	78	16.75	22.75	21.375
4584-268770-4yy	15-25-35	84	16.75	22.75	21.375

Note: "y" catalog number digits are assigned by factory.



Junction Enclosures



Howard Industries, Inc.
Certified to ISO 9001:2015
10002179

Catalog Section 45-10
Document 1031-01, Revision 04, February, 2019
Copyright © 2009 Howard Industries, Inc.
Laurel, Mississippi
Telephone: 601-425-3151
Fax: 601-649-8090
E-mail: mkt@howard-ind.com
Web: howardtransformers.com