

## The Cleaveland/Price Approach

Cleaveland/Price has a very basic approach to design... keep it simple. It is an approach that is employed from material selection to mechanical design.

The Cleaveland/Price V2-C disconnect switch current-carrying parts are manufactured from high-strength, high-conductivity copper. All switches are of non-cast design for superior dependability of parts. Switch performance is not compromised by flaws that could occur in the casting process.

## V2-C Performance Features

- Unbreakable, non-cast copper terminal pads with three NEMA standard 4-hole patterns on each terminal end
- Fully insulated journal bearing that prevents current flow through the live operating linkage
- Unbreakable, non-cast operating crank
- High-conductivity copper current-carrying parts
- Reverse-loop contacts at the hinge and jaw with silver-to-silver contact surfaces
- Stainless steel contact springs insulated from the current path
- Double-sealed ball bearing rotating insulator bearing assembly
- Hot-dip galvanized double-channel base
- Superbly counterbalanced blades with stainless steel counterbalanced springs

# Copper Vertical Break Switch

## Switch Type V2-C

46 kV - 230 kV ■ 4000A



## V2-C Application

The Cleaveland/Price 4000A V2-C is a three-pole, group-operated, copper vertical break switch for high-current applications.

Accessories and options needed to adapt the switch to a customer's particular requirements are available. The V2-C may be manually operated by use of a 40:1 wormgear mechanism or electrically operated by use of a Cleaveland/Price TP-C2 or TP-C3 motor operator.

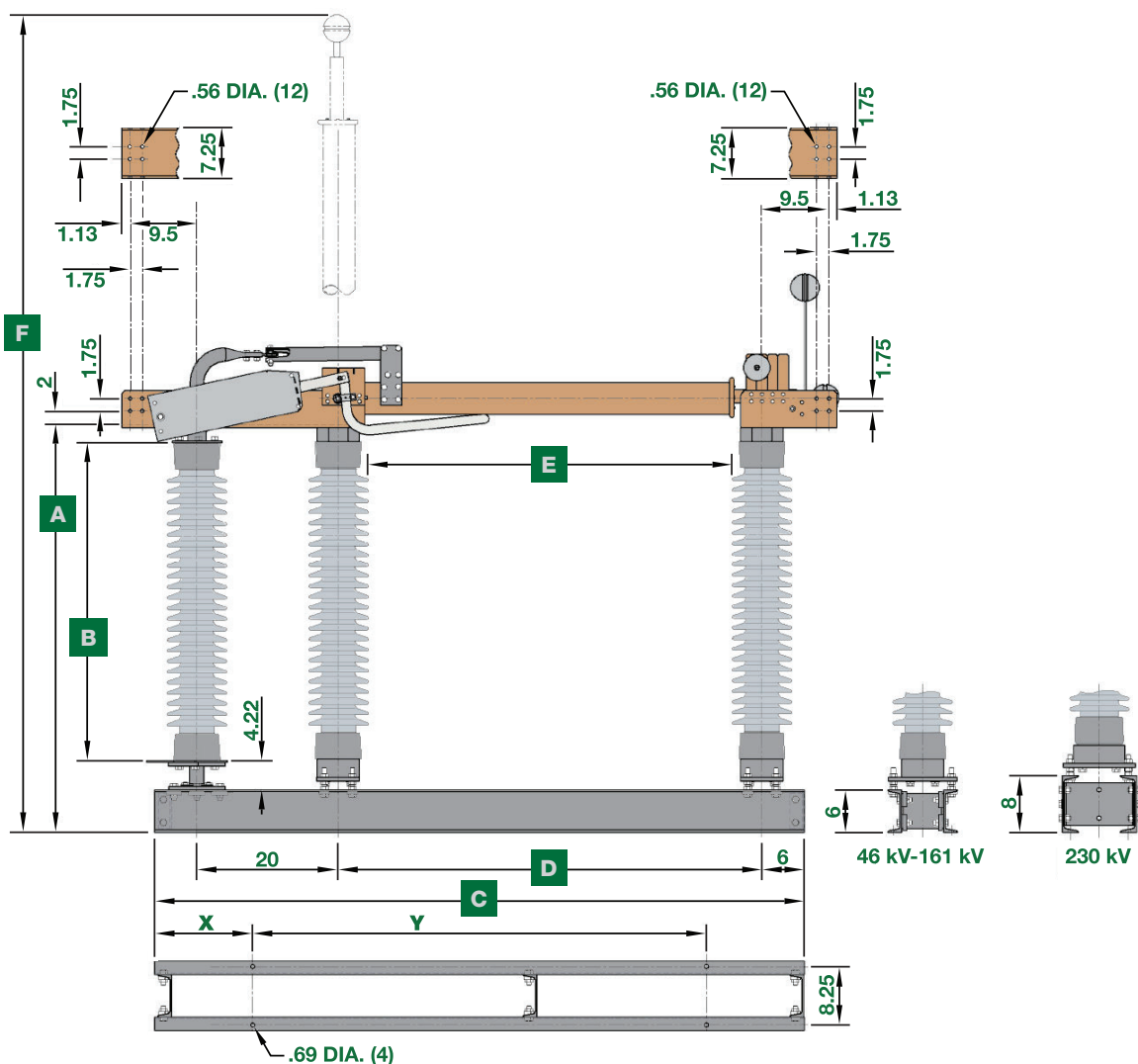
The V2-C meets ANSI C37.30.1, NEMA, and IEEE Standards and the rating requirements of IEC Standards.

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## Type V2-C Switch



**Note: "X" and "Y" dimensions per customer requirements**

|     | Ratings |         |        |      |              |         |               |                     | Dimensions in Inches |    |       |    |    |        |      |                   |
|-----|---------|---------|--------|------|--------------|---------|---------------|---------------------|----------------------|----|-------|----|----|--------|------|-------------------|
|     | Nom. kV | Max. kV | kV BIL | Amp. | Momentary kA | Peak kA | Short-Time kA | Insulator TR Number | Switch Style Number  | A  | B     | C  | D  | E      | F    | Wt. / Pole (lbs.) |
|     |         |         |        |      |              |         |               |                     |                      |    |       |    |    |        |      |                   |
| 46  | 48.3    | 250     | 4000   | 120  | 195          | 75      | 267           | C06B019G01          | 36.66                | 24 | 64    | 32 | 22 | 81.66  | 788  |                   |
| 69  | 72.5    | 350     | 4000   | 120  | 195          | 75      | 278           | C06B019G02          | 42.66                | 30 | 74    | 42 | 32 | 97.66  | 963  |                   |
| 115 | 123     | 550     | 4000   | 120  | 195          | 75      | 286           | C06B019G03          | 57.66                | 45 | 92    | 60 | 50 | 130.66 | 1144 |                   |
| 138 | 145     | 650     | 4000   | 120  | 195          | 75      | 288           | C06B019G04          | 66.66                | 54 | 102   | 70 | 60 | 149.66 | 1200 |                   |
| 161 | 170     | 750     | 4000   | 120  | 195          | 75      | 291           | C06B019G05          | 74.66                | 62 | 110   | 78 | 68 | 165.66 | 1305 |                   |
| 230 | 245     | 900     | 4000   | 120  | 195          | 75      | 308           | C06B020             | 94.66                | 80 | 128.5 | 94 | 84 | 203.22 | 2040 |                   |



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This brochure describes a standard product and does not show variations in design that may be available. Contact the factory for additional details.

Cleaveland/Price reserves the right to make changes or improvements to the product shown in this brochure without notice or obligation.