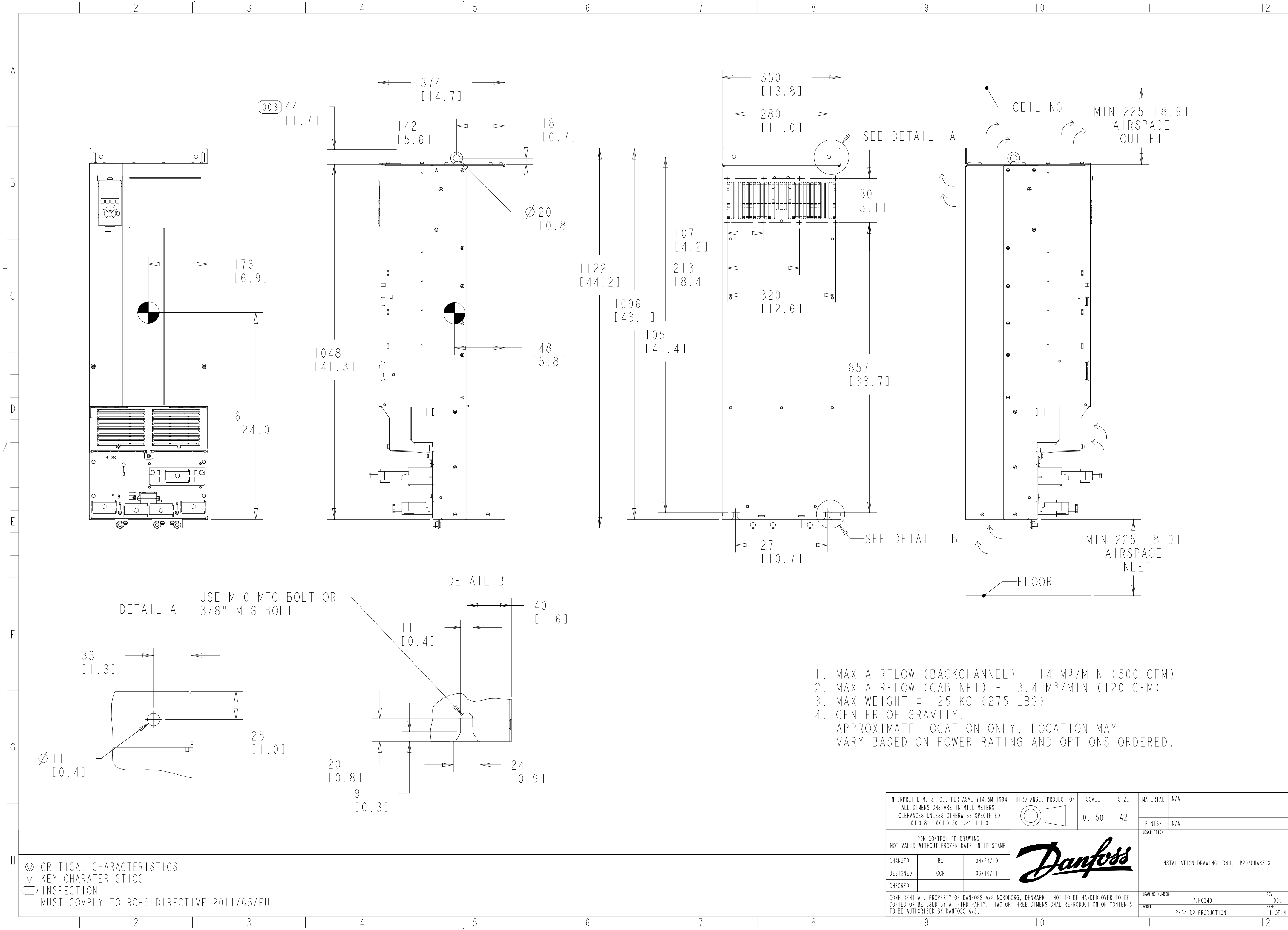




|                                                                                                                                                                                                             |     |          |                        |                                                                                       |            |                |                                         |       |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|------------------------|---------------------------------------------------------------------------------------|------------|----------------|-----------------------------------------|-------|--------|
| INTERPRET DIM. & TOL. PER ASME Y14.5M-1994<br>ALL DIMENSIONS ARE IN MILLIMETERS<br>TOLERANCES UNLESS OTHERWISE SPECIFIED<br>.X±0.8 .XX±0.50 ≤ ±1.0                                                          |     |          | THIRD ANGLE PROJECTION | SCALE<br>0.150                                                                        | SIZE<br>A2 | MATERIAL       | N/A                                     |       |        |
|                                                                                                                                                                                                             |     |          |                        |                                                                                       |            | FINISH         | N/A                                     |       |        |
| — PDM CONTROLLED DRAWING —<br>NOT VALID WITHOUT FROZEN DATE IN ID STAMP                                                                                                                                     |     |          |                        |  |            |                | DESCRIPTION                             |       |        |
|                                                                                                                                                                                                             |     |          |                        |                                                                                       |            |                | INSTALLATION DRAWING, D4H, IP20/CHASSIS |       |        |
|                                                                                                                                                                                                             |     |          |                        |                                                                                       |            |                |                                         |       |        |
|                                                                                                                                                                                                             |     |          |                        |                                                                                       |            |                |                                         |       |        |
| CHANGED                                                                                                                                                                                                     | BC  | 04/24/19 |                        |                                                                                       |            |                |                                         |       |        |
| DESIGNED                                                                                                                                                                                                    | CCN | 06/16/11 |                        |                                                                                       |            |                |                                         |       |        |
| CHECKED                                                                                                                                                                                                     |     |          |                        |                                                                                       |            |                |                                         |       |        |
| CONFIDENTIAL: PROPERTY OF DANFOSS A/S NORDBORG, DENMARK. NOT TO BE HANDED OVER TO BE COPIED OR BE USED BY A THIRD PARTY. TWO OR THREE DIMENSIONAL REPRODUCTION OF CONTENTS TO BE AUTHORIZED BY DANFOSS A/S. |     |          |                        |                                                                                       |            | DRAWING NUMBER | 177R0340                                | REV   | 003    |
|                                                                                                                                                                                                             |     |          |                        |                                                                                       |            | MODEL          | P454_D2_PRODUCTION                      | SHEET | 1 OF 4 |

# SECTION A-A MAINS TERMINALS

# SECTION B-B MOTOR TERMINALS AND BRAKE / REGEN TERMINALS

MAINS TERMINAL

BRAKE / REGEN TERMINALS

MOTOR TERMINAL

## EARTHING / GROUNDING CONNECTIONS

3X M10X20 STUD  
WITH NUT

## BRAKE / REGEN TERMINAL

## MOTOR TERMINAL

## MAINS TERMINAL

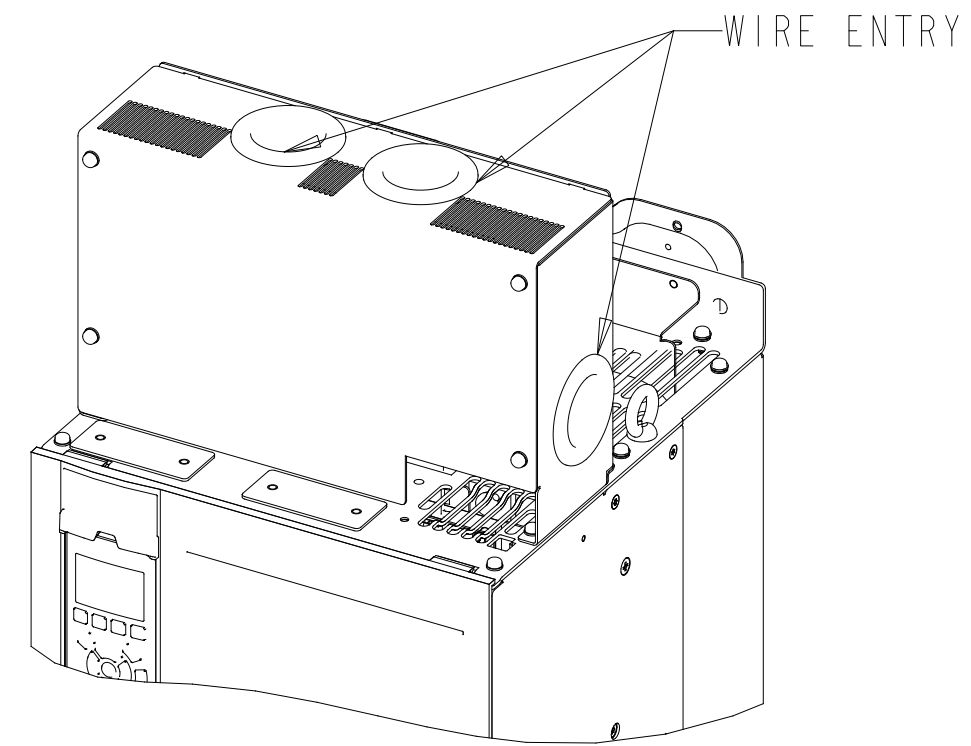
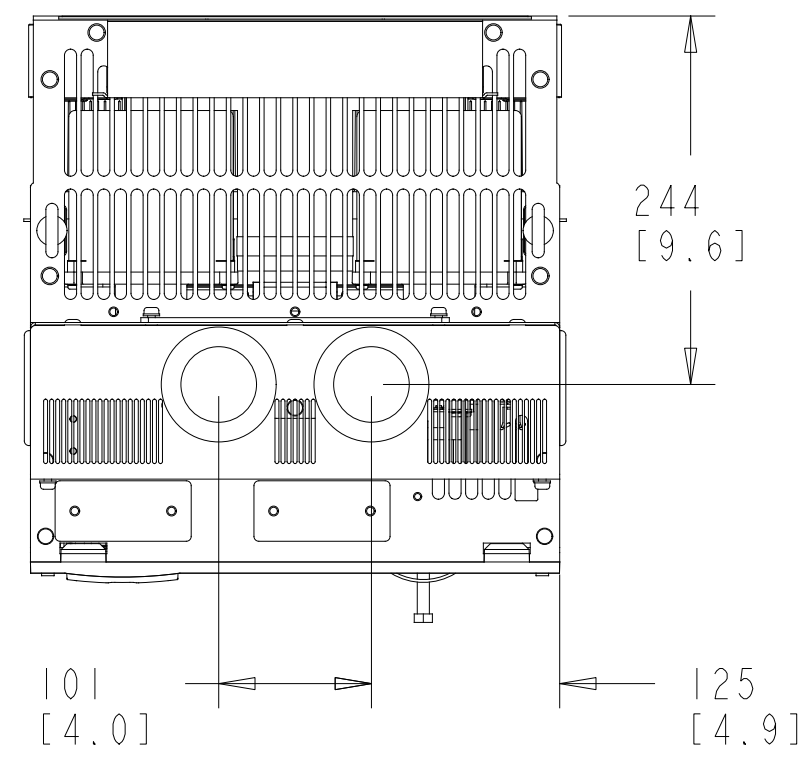
## BOTTOM VIEW

### NOTES:

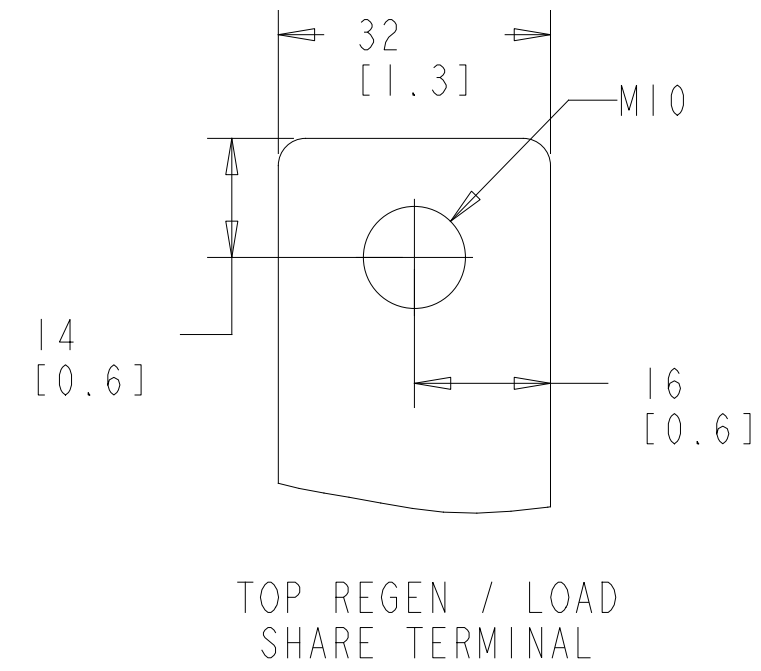
1. PLACE CABLES THROUGH MARKED AREAS
2. 185MM<sup>2</sup> (400MCM) MAX WIRE SIZE

|                |                    |       |        |
|----------------|--------------------|-------|--------|
| DRAWING NUMBER | 177R0340           | REV   | 003    |
| MODEL          | P454_D2_PRODUCTION | SHEET | 2 OF 4 |

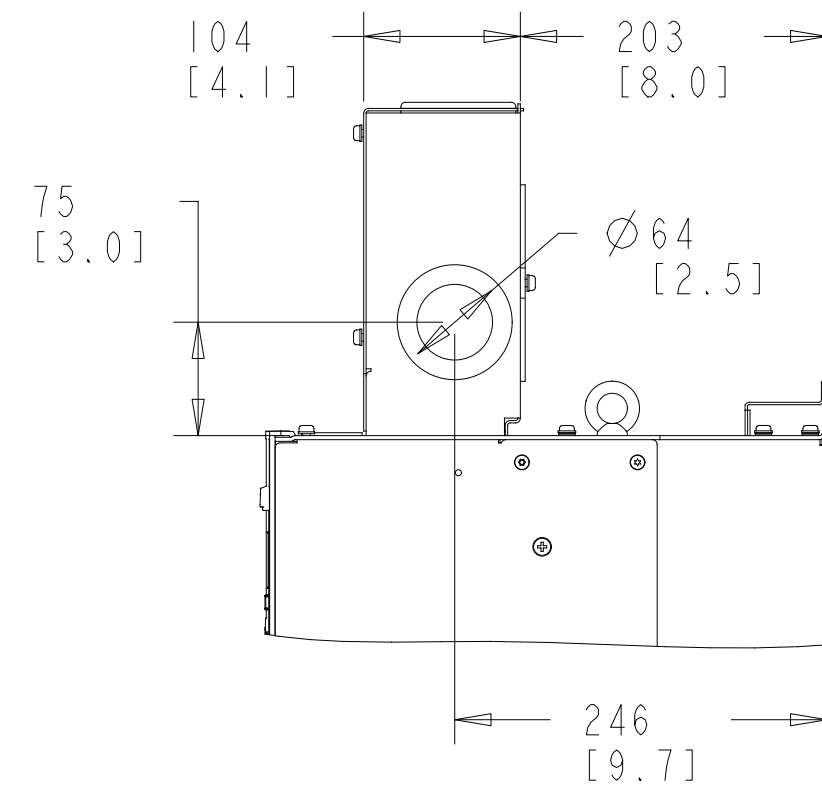
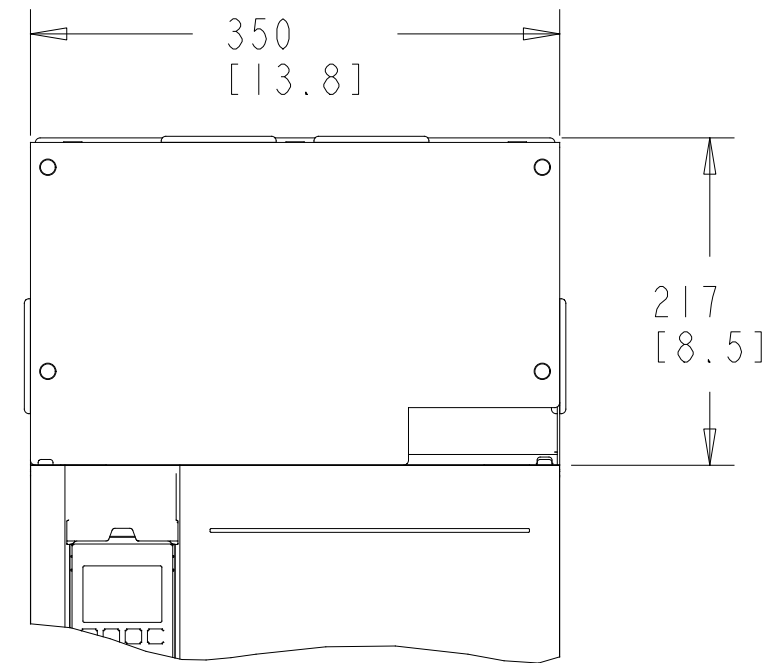
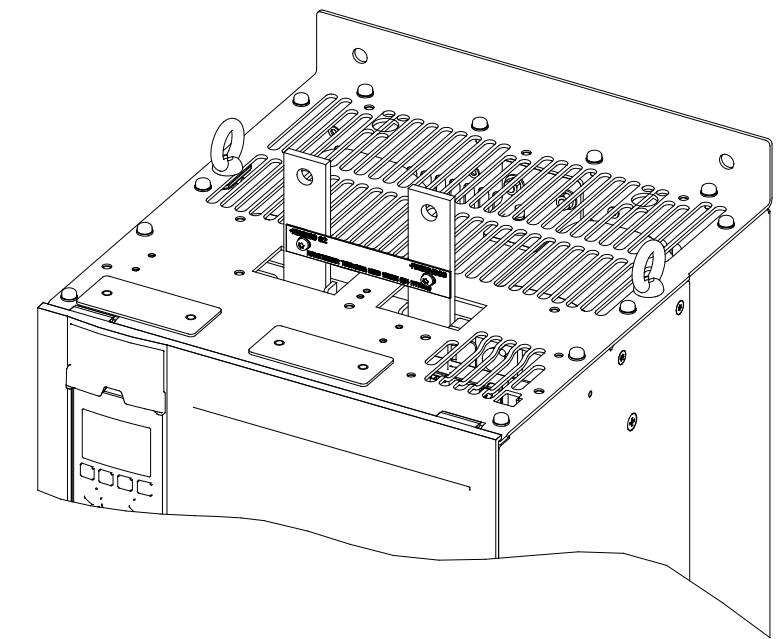
TOP REGEN / LOAD SHARE  
TERMINALS WITH OPTION COVER



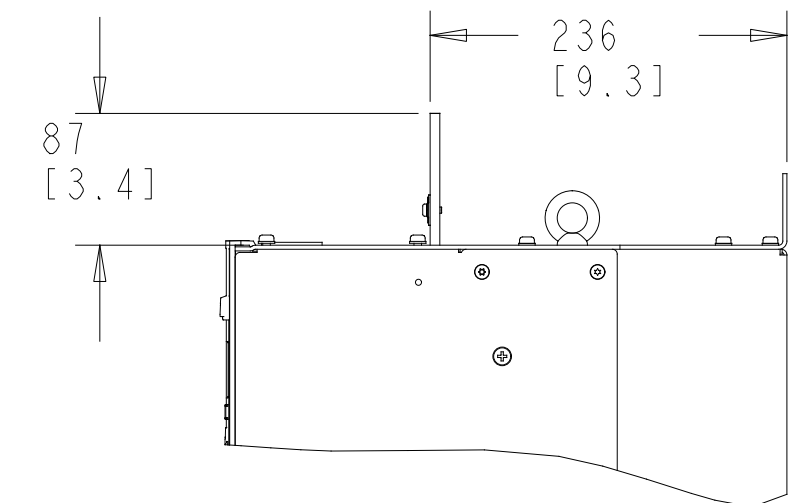
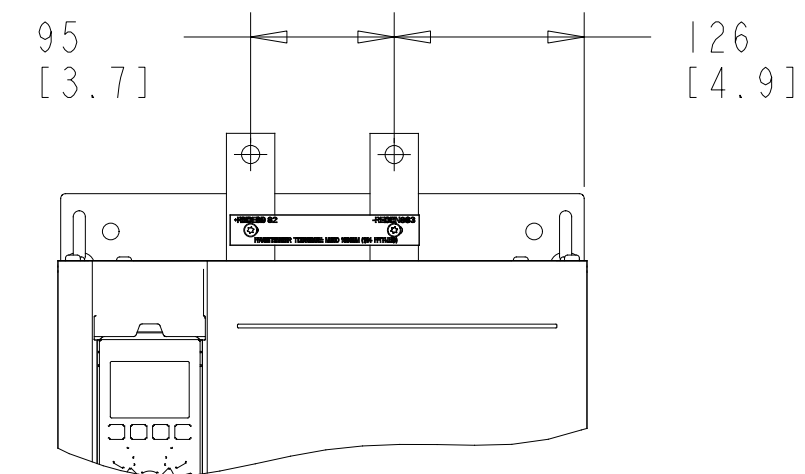
TOP REGEN / LOAD SHARE TERMINALS  
(WITHOUT TERMINAL COVER INSTALLED)



TOP REGEN / LOAD  
SHARE TERMINALS



TOP REGEN / LOAD  
SHARE TERMINALS





THE TABLES BELOW MAY BE USED TO CONFIRM THE CORRECT FRAME SIZE AND DRAWING FOR A SPECIFIC DRIVE RATING (POWER AND VOLTAGE). THIS DRAWING IS FOR D4H FRAMES, THE TABLES BELOW IDENTIFY WHICH DRIVES ARE REPRESENTED BY THIS DRAWING.

| KW RATED DRIVES    |     |     |     |     |     |     |     |     |     |     |  |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| KW HIGH OVERLOAD   | 75K | 90K | 110 | 150 | 132 | 160 | 200 | 250 | 315 | 315 |  |
| KW NORMAL OVERLOAD | 90K | 110 | 150 | 160 | 160 | 200 | 250 | 315 | 355 | 400 |  |
| 230V               | D4H | D4H | D4H | D4H |     |     |     |     |     |     |  |
| 400V               |     |     |     |     |     | D4H | D4H | D4H |     |     |  |
| 500V               |     |     |     |     |     |     | D4H | D4H | D4H |     |  |
| 525V               |     |     |     |     | D4H | D4H | D4H | D4H |     |     |  |
| 690V               |     |     |     |     |     | D4H | D4H | D4H |     | D4H |  |

| HORSEPOWER RATED DRIVES |     |     |     |     |     |     |     |     |     |  |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| HP HIGH OVERLOAD        | 100 | 120 | 150 | 200 | 200 | 250 | 300 | 350 | 350 |  |
| HP NORMAL OVERLOAD      | 120 | 150 | 200 | 215 | 250 | 300 | 350 | 400 | 450 |  |
| 230V                    | D4H | D4H | D4H | D4H |     |     |     |     |     |  |
| 460V                    |     |     |     |     |     | D4H | D4H |     | D4H |  |
| 575V                    |     |     |     |     | D4H | D4H | D4H | D4H |     |  |

THE TABLE BELOW CAN BE USED TO DETERMINE THE FRAME SIZE IF THE SPECIFIC MODEL/TYPECODE IS KNOWN.

| PLATFORM   | VOLTAGE | MODEL/TYPECODE | FRAME(IP20) |
|------------|---------|----------------|-------------|
| HVAC       | T2      | FC-102N90KT2   | D4H         |
|            |         | FC-102N110T2   |             |
|            |         | FC-102N150T2   |             |
|            |         | FC-102N160T2   |             |
|            | T4      | FC-102N200T4   |             |
|            |         | FC-102N250T4   |             |
|            |         | FC-102N315T4   |             |
|            | T7      | FC-102N200T7   |             |
|            |         | FC-102N250T7   |             |
|            |         | FC-102N315T7   |             |
|            |         | FC-102N400T7   |             |
| AQUA       | T2      | FC-202N90KT2   | D4H         |
|            |         | FC-202N110T2   |             |
|            |         | FC-202N150T2   |             |
|            |         | FC-202N160T2   |             |
|            | T4      | FC-202N200T4   |             |
|            |         | FC-202N250T4   |             |
|            |         | FC-202N315T4   |             |
|            | T7      | FC-202N200T7   |             |
|            |         | FC-202N250T7   |             |
|            |         | FC-202N315T7   |             |
|            |         | FC-202N400T7   |             |
| AUTOMATION | T2      | FC-302N75KT2   | D4H         |
|            |         | FC-302N90KT2   |             |
|            |         | FC-302N110T2   |             |
|            |         | FC-302N150T2   |             |
|            | T5      | FC-302N160T5   |             |
|            |         | FC-302N200T5   |             |
|            |         | FC-302N250T5   |             |
|            | T7      | FC-302N160T7   |             |
|            |         | FC-302N200T7   |             |
|            |         | FC-302N250T7   |             |
|            |         | FC-302N315T7   |             |