VLT COOLING:

THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/ NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

BACK CHANNEL COOLING:

STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:

REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXIES.
FRAME F2
IP21/IP54/UL AND NEMA1/NEMA12
APPROXIMATE WEIGHT: 1293KG [2850LB]

VLT COOLING:

THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/ NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

BACK CHANNEL COOLING:

STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:
REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXES.
FRAME F3
IP21/IP54/UL AND NEMA1/NEMA12
APPROXIMATE WEIGHT: 1361KG [3000LB]

VLT COOLING:
THE VLT FREQUENCY CONVERTER MUST
BE INSTALLED VERTICALLY WITH THE
MINIMUM 9" [225 MM] FREE SPACE
ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/
NEMA UL TYPE 12 UNITS MAY BE
MOUNTED SIDE BY SIDE, WITH NO
MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR
GLAND PLATES WILL HAVE A NEGATIVE
INFLUENCE ON THE UNIT'S INTERNAL
COOLING CAPACITY AND CAN CAUSE
TRIP FAULTS.

BACK CHANNEL COOLING:
STANDARD COOLING CONFIGURATION IS
WITH THE INTAKE THROUGH THE BASE
CABLE PLINTH AND EXHAUST OUT THE
TOP OF THE ENCLOSURE.

OPTIONAL COOLING CONFIGURATION
IS WITH THE INTAKE THROUGH THE
LOWER REAR OF THE CABINET AND
EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE
HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:
REFERENCE ONLY, CONFIGURATION MAY
SHIFT CG IN ALL THREE AXES.
PLACE CONDUIT IN MARKED AREAS

SEE DETAIL D

FRAME F4
IP21/IP54/UL AND NEMA1/NEMA12
APPROXIMATE WEIGHT: 1633KG [3600LB]

VLT COOLING:

THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/ NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

BACK CHANNEL COOLING:

STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:
REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXISES.
FRAME F2
IP21/IP54/UL AND NEMA1/NEMA12

FRAME F4
IP21/IP54/UL AND NEMA1/NEMA12
F2 & F4 TOP EXIT FOR BACK CHANNEL COOLING

SEE DETAIL I

F2 & F4 BOTTOM ENTRY FOR BACK CHANNEL COOLING

SEE DETAIL G

E X M5x0.8 THREAD HOLES

SEE DETAIL J

D E T A I L  J
S C A L E  0.400

SEE DETAIL G

D E T A I L  G
S C A L E  0.400

4X M5x0.8 THREAD STUDS

SEE DETAIL H

D E T A I L  H
S C A L E  0.400

FRONT OF UNIT WITH DOORS

FRONT OF UNIT WITH DOORS

FRONT OF UNIT WITH DOORS

FRONT OF UNIT WITH DOORS

SEE DETAIL I

SEE DETAIL J

SEE DETAIL G

SEE DETAIL H
DETAILS FOR MOUNTING
FREQUENCY CONVERTER ONTO BASE

SEE DETAIL E
SIDE PANEL AND INTERNAL COMPONENTS
REMOVED FOR CLARITY

DETAIL E

SEE DETAIL F
INSTALL M8x60mm BOLT WITH LOCK WASHER AND
FLAT WASHER THROUGH FRAME INTO THREADED
HOLE IN BASE. INSTALL 4 BOLTS PER CABINET.

INSTALL M10x30mm BOLT WITH CAPTIVE LOCK WASHER
AND FLAT WASHER THROUGH BASE PLATE AND INTO
THREADED HOLE IN BASE. INSTALL 4 BOLTS PER CABINET.