

CUSTOMER TERMINATION				
STEP DOWN UNIT	STEP UP UNIT	CONNECTION TYPE	HOLE SIZE	HOLE QTY
PRIMARY BUS BARS	SECONDARY BUS BARS	STANDARD BUS BAR (LUGS ARE OPTIONAL)	.56 [14.2] DIA	4 PER BUS BAR
SECONDARY BUS BARS	PRIMARY BUS BARS			4 PER BUS BAR

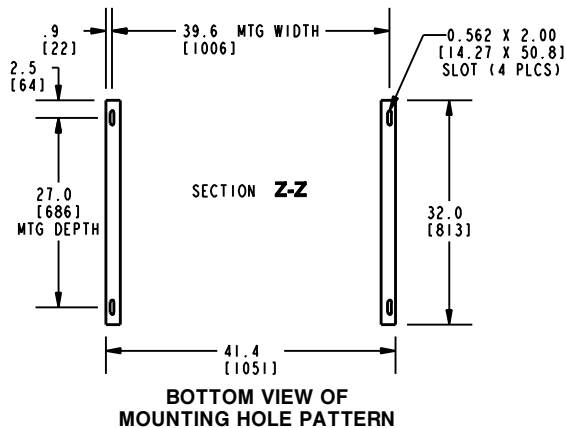
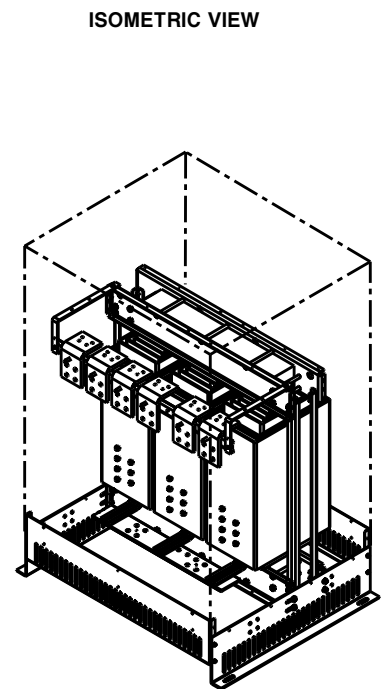
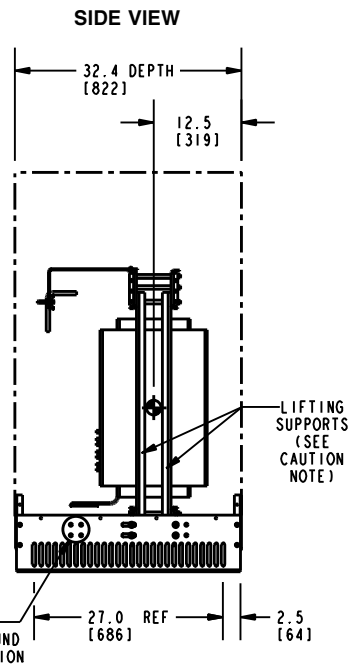
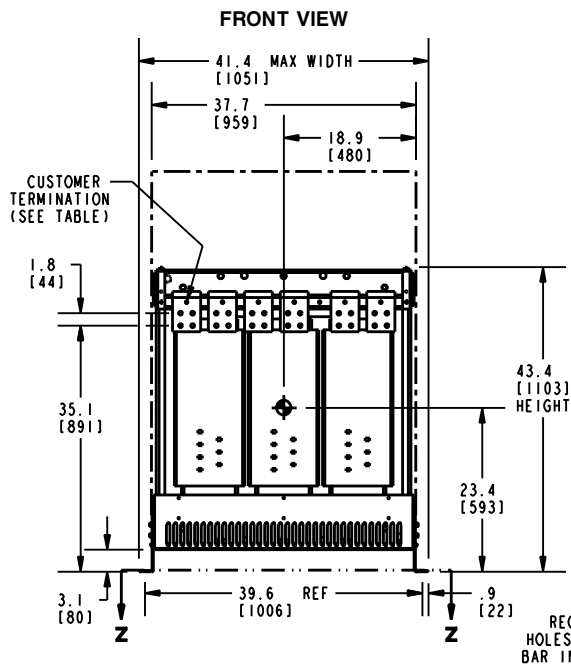
NOTES:

- 1) ALL UNITS ARE UL LISTED AND ARE DESIGNED PER NEMA ST-20 STANDARDS.
- 2) THE TEMPERATURE RISE LISTED IS DETERMINED WHEN THE TRANSFORMER IS MOUNTED IN A STANDARD NEMA 2 ENCLOSURE.
- 3) TRANSFORMER IS DESIGNED FOR FLOOR MOUNTING. OPTIONAL WALL MOUNTING BRACKETS ARE NOT AVAILABLE FOR THIS DESIGN/STYLE.
- 4) TRANSFORMERS ARE DRY TYPE, CLASS AA, WITH VENTILATED ENCLOSURES FOR INDOOR USE. OPTIONAL RAINSHIELD KITS ARE AVAILABLE TO ADAPT ALL SIZES FOR TYPE 3R OUTDOOR USE WITHOUT VOIDING THE WARRANTY.
- 5) APPLICABLE WHEN OPTIONAL RAINSHIELDS ARE INSTALLED. RAINSHIELDS ARE SHIPPED IN KITS FOR FIELD INSTALLATION.
- 6) CABLE ENTRANCE IS PERMITTED THROUGH THE LEFT SIDE, RIGHT SIDE AND/OR BOTTOM ENCLOSURE PANELS ONLY. CABLE ENTRANCE IS NOT PERMITTED THROUGH THE FRONT, REAR OR TOP PANELS.
- 7) FOR MOVING THE UNIT WITH A PALLET JACK OR FORK TRUCK, INSERT FORKS COMPLETELY UNDERNEATH BOTH FRONT AND REAR LIFTING GRILLS. FOR CRANE LIFTING USE 1" [25 MM] DIAMETER HOLES IN THE TOP CORE CLAMPS.
- 8) ENCLOSURE PAINT COLOR IS ANSI #61 GRAY.
- 9) 6" [152 MM] MINIMUM CLEARANCE IS REQUIRED FROM ALL WALLS.
- 10) USE THIS DIMENSION WHEN PLANNING THE MOUNTING PAD.

APPROX TOTAL WEIGHT LBS [KG]
PAINTED: 1670 [757]

kVA RATING:
K-FACTOR:
PRI VOLTAGE:
SEC VOLTAGE:
FREQ (Hz):
TEMP RISE:
WINDING MATL:
ES SHIELD:
SOUND LVL (dB):

JOB NAME: SPEEDI PROP: electrification.us.abb.com	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCH [MM]	Transformers by ABB	DRY TYPE TRANSFORMER OUTLINE DRAWING TYPE QL, 3-PHASE, DOE 2016 EFFICIENCY (ENCLOSED UNIT)	
	THIRD ANGLE PROJECTION 		CATALOG #	REV 2
CAD DRAWING: 303B112GEDYP78A	SHEET 1 OF 3			



CAUTION:

THE TEMPORARY LIFTING SUPPORTS (PAINTED YELLOW) MUST REMAIN ATTACHED TO THE TRANSFORMER UNTIL THE TRANSFORMER IS INSTALLED INTO ITS FINAL POSITION.

THE SUPPORTS MUST THEN BE REMOVED PRIOR TO ENERGIZING THE TRANSFORMER.

APPROX TOTAL WEIGHT LBS [KG]
PAINTED: 1540 [699]

CUSTOMER TERMINATION				
STEP DOWN UNIT	STEP UP UNIT	CONNECTION TYPE	HOLE SIZE	HOLE QTY
PRIMARY BUS BARS	SECONDARY BUS BARS	STANDARD BUS BAR (LUGS ARE OPTIONAL)	.56 [14.2] DIA	4 PER BUS BAR
SECONDARY BUS BARS	PRIMARY BUS BARS			4 PER BUS BAR

kVA RATING:
K-FACTOR:
PRI VOLTAGE:
SEC VOLTAGE:
FREQ (Hz):
TEMP RISE:
WINDING MATL:
ES SHIELD:
SOUND LVL (dB):

NOTES:

- 1) ALL UNITS ARE UL LISTED AND ARE DESIGNED PER NEMA ST-20 STANDARDS.
- 2) THE TEMPERATURE RISE LISTED IS DETERMINED WHEN THE TRANSFORMER IS MOUNTED IN A STANDARD NEMA 2 ENCLOSURE.
- 3) TRANSFORMER IS DESIGNED FOR FLOOR MOUNTING. OPTIONAL WALL MOUNTING BRACKETS ARE NOT AVAILABLE FOR THIS DESIGN/STYLE.
- 4) TRANSFORMERS ARE DRY TYPE, CLASS AA FOR INDOOR USE.
- 5) FOR MOVING THE UNIT WITH A PALLET JACK OR FORK TRUCK, INSERT FORKS COMPLETELY UNDERNEATH BOTH FRONT AND REAR LIFTING GRILLS. FOR CRANE LIFTING USE 1" [25 MM] DIAMETER HOLES IN THE TOP CORE CLAMPS.
- 6) PAINTED GRILL AND MOUNTING BRACKET COLOR IS ANSI #61 GRAY.
- 7) 6" [152 MM] MINIMUM CLEARANCE IS REQUIRED FROM ALL WALLS.
- 8) ⬤ INDICATES APPROXIMATE CENTER OF GRAVITY.

JOB NAME:

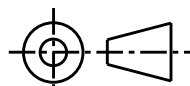
SPEEDI PROP:

electrification.us.abb.com

CAD DRAWING: 303B112GEDYP78A

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE INCH [MM]

THIRD ANGLE PROJECTION



SHEET 2 OF 3



Transformers

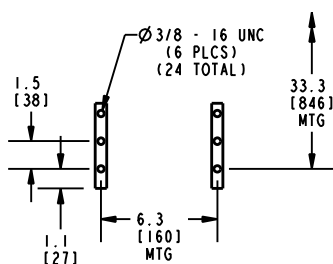
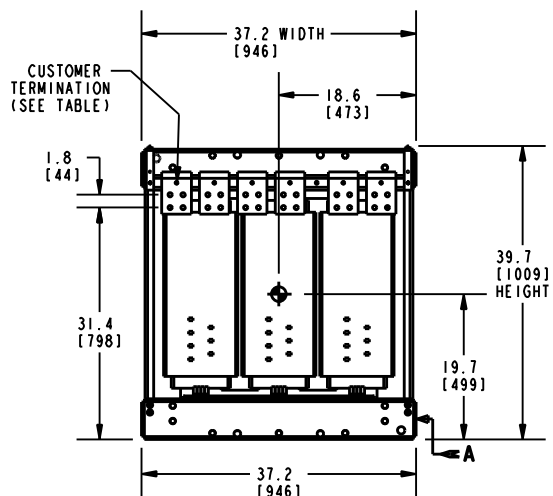
by ABB

**DRY TYPE TRANSFORMER OUTLINE DRAWING
 TYPE QL, 3-PHASE, DOE 2016 EFFICIENCY
 (CORE & COIL UNIT WITH MOUNTING BRACKETS)**

CATALOG #

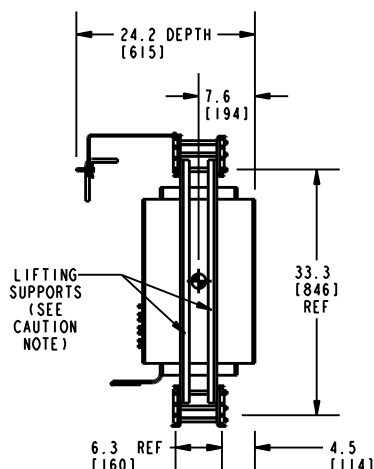
REV 2

FRONT VIEW

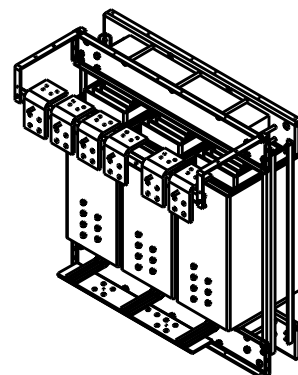


ENLARGED VIEW IN
DIRECTION OF ARROW "A"
TYPICAL MOUNTING
DETAILS (4 PLACES)

SIDE VIEW



ISOMETRIC VIEW



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APPROX TOTAL WEIGHT LBS [KG]
PAINTED: 1490 [676]

kVA RATING:
K-FACTOR:
PRI VOLTAGE:
SEC VOLTAGE:
FREQ (Hz):
TEMP RISE:
WINDING MATL:
ES SHIELD:
SOUND LVL (dB):

CUSTOMER TERMINATION

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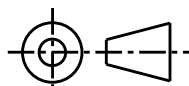
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CAD DRAWING: 303B112GEDYP78A

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ALL DIMENSIONS ARE INCH [MM]

THIRD ANGLE PROJECTION



SHEET 3 OF 3



Transformers

by ABB

DRY TYPE TRANSFORMER OUTLINE DRAWING
TYPE QL, 3-PHASE, DOE 2016 EFFICIENCY
(CORE & COIL UNIT WITHOUT MOUNTING BRACKETS)

CATALOG #

REV

2