

**BOTTOM VIEW OF MOUNTING AND CABLE ENTRANCE**

CUSTOMER TERMINATION			
LOCATION	CONNECTION TYPE	HOLE SIZE	HOLE QTY
PRIMARY BUS BARS	STANDARD BUS BAR (LUGS ARE OPTIONAL)	.41 [10.3] DIA	2 PER BUS BAR
SECONDARY BUS BARS			

**APPROX TOTAL WEIGHT LBS [KG]**

AL WINDINGS: 620 [281]

CU WINDINGS: 710 [322]

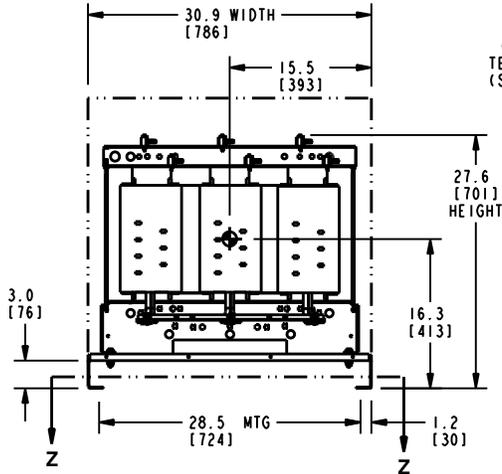
**kVA RATING:** 50  
**K-FACTOR:** K1  
**PRI VOLTAGE:** 480  
**SEC VOLTAGE:** 208Y/120  
**FREQ (Hz):** 60 Hz  
**TEMP RISE:** 150C  
**WINDING MATL:** Aluminum  
**ES SHIELD:** NO  
**SOUND LVL (dB):** Std (45)

**NOTES:**

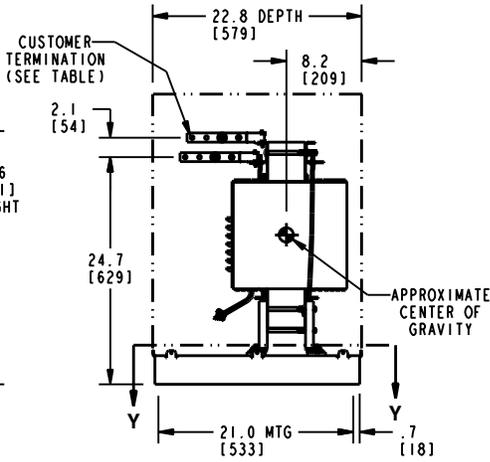
- 1) ALL UNITS ARE UL LISTED AND ARE DESIGNED PER NEMA ST-20 STANDARDS.
- 2) THE TEMPERATURE RISE LISTED WAS DETERMINED WHEN THE TRANSFORMER WAS MOUNTED IN A STANDARD NEMA-2 ENCLOSURE.
- 3) TRANSFORMER IS DESIGNED FOR FLOOR MOUNTING. OPTIONAL WALL MOUNTING BRACKETS ARE AVAILABLE.
- 4) TRANSFORMER IS DRY TYPE, CLASS AA, WITH VENTILATED ENCLOSURE FOR INDOOR USE. OPTIONAL RAINSHIELD KITS ARE AVAILABLE TO ADAPT UNIT 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 LIFTING OTHER THAN WITH A FORK TRUCK, REMOVE TOP COVER AND 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.

<b>JOB NAME:</b>  <b>SPEEDI PROP:</b>   <a href="http://electrification.us.abb.com">electrification.us.abb.com</a>	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCH [MM]	<b>Transformers</b> by ABB	<b>DRY TYPE TRANSFORMER OUTLINE DRAWING</b> <b>TYPE QL, 3-PHASE</b> <b>(ENCLOSED UNIT)</b>
	THIRD ANGLE PROJECTION 		
CAD DRAWING: 303B401AAP074	SHEET 1 OF 2		

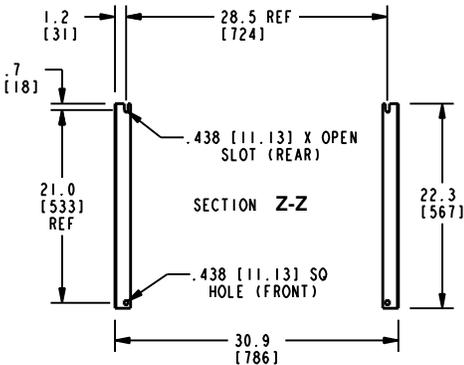
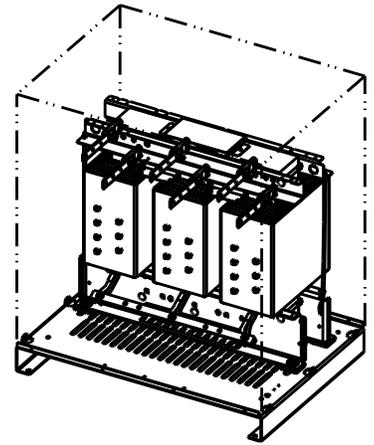
**FRONT VIEW**



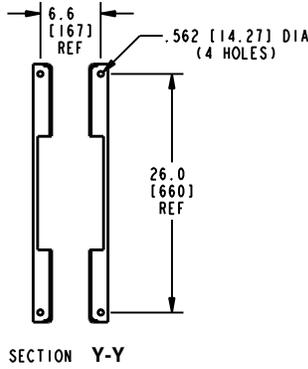
**SIDE VIEW**



**ISOMETRIC VIEW**



**BOTTOM VIEW OF MOUNTING HOLE PATTERN**



**BOTTOM VIEW OF MOUNTING HOLE PATTERN WITHOUT BASE ATTACHED**

CUSTOMER TERMINATION			
LOCATION	CONNECTION TYPE	HOLE SIZE	HOLE QTY
PRIMARY BUS BARS	STANDARD BUS BAR (LUGS ARE OPTIONAL)	.41 [10.3] DIA	2 PER BUS BAR
SECONDARY BUS BARS			

**APPROX TOTAL WEIGHT LBS [KG]**  
 AL WINDINGS: 525 [238]  
 CU WINDINGS: 610 [277]

**kVA RATING:** 50  
**K-FACTOR:** K1  
**PRI VOLTAGE:** 480  
**SEC VOLTAGE:** 208Y/120  
**FREQ (Hz):** 60 Hz  
**TEMP RISE:** 150C  
**WINDING MATL:** Aluminum  
**ES SHIELD:** NO  
**SOUND LVL (dB):** Std (45)

**NOTES:**

- 1) ALL UNITS ARE UL LISTED AND ARE DESIGNED PER NEMA ST-20 STANDARDS.
- 2) THE TEMPERATURE RISE LISTED WAS DETERMINED WHEN THE TRANSFORMER WAS MOUNTED IN A STANDARD NEMA-2 ENCLOSURE.
- 3) TRANSFORMER IS DRY TYPE, CLASS AA FOR INDOOR USE.
- 4) FOR LIFTING OTHER THAN WITH A FORK TRUCK, USE 1" [25 MM] DIAMETER HOLES IN THE TOP CORE CLAMPS.
- 5) BASE PAINT COLOR IS ANSI #61 GRAY.
- 6) 6" [152 MM] MINIMUM CLEARANCE IS REQUIRED FROM ALL WALLS.

<b>JOB NAME:</b>  <b>SPEEDI PROP:</b>  electrification.us.abb.com	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCH [MM]	<b>Transformers</b> by ABB
	THIRD ANGLE PROJECTION 	
<b>CAD DRAWING:</b> 303B401AAP074	<b>SHEET 2 OF 2</b>	<b>CATALOG #</b> 9T83B3864 <b>REV</b> 10