

GENERAL SPECIFICATIONS:

PRIMARY

3-phase, 3-wire, 60Hz

DUAL SECONDARIES [each]

3-phase, 4-wire, 60Hz, 60% rated

OPERATING TEMPERATURE RISE^[7]

130°C [115°C] [80°C]

INSULATION CLASS^[8]

220°C

ANGULAR DISPLACEMENT^[1]

Select 0° or 15° lag

ZERO SEQUENCE IMPEDANCE

$Z_0 < 0.95\%$, $X_0 < 0.3\%$
(or as per table below)

PRIMARY TAPS

15kVA (and all 208V): $\pm 1 \times 5\%$
30kVA – 500kVA: $\pm 2 \times 2.5\%$

K-FACTOR CAPABILITY

20

CREST FACTOR CAPABILITY

4.5

COMMON NEUTRAL BUS AMPACITY

200% of phase current

ENERGY EFFICIENCY (see table below)

NEMA TP1 Compliant and better

MAGNETISING INRUSH

< 10 times FL RMS

WINDING MATERIAL

Copper

INSULATING VARNISH IMPREGNATION

Polyester Resin

AUDIBLE SOUND LEVEL

As per NEMA ST-20

15 - 45kVA: 45dB

75 - 150kVA: 50dB

225 - 300kVA: 55dB

500kVA: 60dB

ENCLOSURE

Type: NEMA-3R, ventilated

Paint: Polyester powder coated

Colour: ANSI 61 Grey

ELECTROSTATIC SHIELD

Single, [double]

OPTIONS:

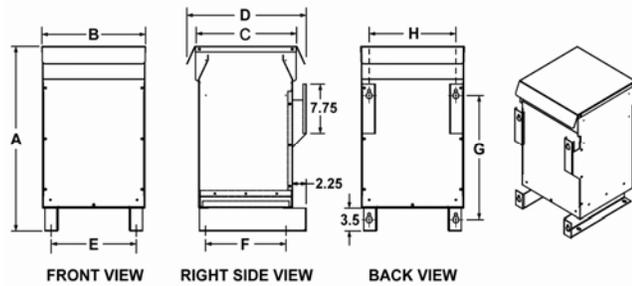
OVER-TEMPERATURE SENSORS

[170°C], [200°C]

SOLID BOTTOM PLATE (Case 'MT' only)

[yes], [no]

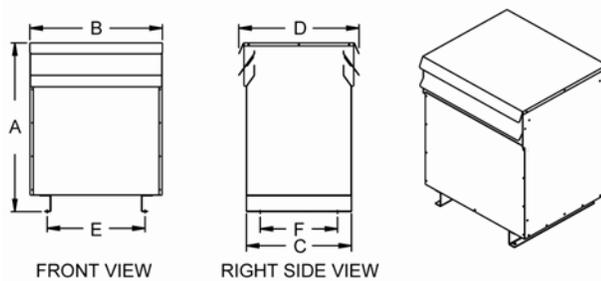
'MT1', 'MT2' STYLE ENCLOSURE



DIMENSIONS - inches [mm]

CASE	A	B	C	D	E	F	G
MT1	29.00 [737]	16.75 [425]	15.00 [381]	19.00 [483]	13.75 [349]	13.00 [330]	19.50 [495]
MT2	38.00 [965]	21.50 [546]	19.50 [495]	23.50 [597]	17.00 [432]	17.50 [445]	25.00 [635]

'MT3', 'MT4', 'LT' STYLE ENCLOSURE



DIMENSIONS - inches [mm]

CASE STYLE	A	B	C	D	E	F
MT3	45.00 [1143]	26.00 [661]	21.00 [534]	25.00 [635]	21.50 [546]	19.00 [483]
MT4	51.50 [1308]	32.00 [813]	25.50 [648]	29.50 [749]	23.50 [597]	23.50 [597]
LT1	59.00 [1499]	39.50 [1003]	30.00 [762]	34.00 [864]	24.00 [610]	32.00 [813]
LT2	66.00 [1677]	44.00 [1118]	34.00 [864]	38.00 [965]	26.00 [660]	36.00 [915]

Product Code:

Angular Displacement: 00, 15
Secondary L-L Voltage: 208, 480, 600
Secondary Rating [each]: 60% (of primary kVA)
Electrostatic Shield: X = (no shield), s = (single shield), ss = (double shield)

H2E t - dd - hhh - xxx - kVA - 60 - X

Transformer Type: T = (isolation), A = (autotransformer)
Primary L-L Voltage: 208, 480, 600
Primary kVA: 15, 30, 45, 75, 112.5, 150, 225, 300

kVA Primary	Sizes		Efficiency @35% - 65% Load	Impedances		Terminal Lugs Provided (Mechanical Type)					
	Case Style	Weight lb [kg] ^[2]		3 Phase Short Circuit ^[5]	Zero Sequence ^[6]		Primary			Each Sec. Phase 120/208V	Total on Common Neutral
					Z ₀	X ₀	208V	480V	600V		
15	MT1	250 [115]	97.0%	2.8-3.5%	< 0.95%	< 0.3%	#2-#14	#2-#14	#2-#14	#2-#14	2x #2-#14
30	MT2	375 [170]	97.5%	2.8-3.5%	< 0.95%	< 0.3%	2/0-#6	#2-#14	#2-#14	#2-#14	2x2/0-#6
45	MT2	500 [227]	97.7%	2.8-3.5%	< 0.95%	< 0.3%	250MCM-#6	#2-#14	#2-#14	2/0-#6	2x250MCM-#6
75	MT3	750 [340]	98.0%	2.8-3.5%	< 0.95%	< 0.3%	600MCM-#2	2/0-#6	2/0-#6	250MCM-#6	4x350MCM-#6
112.5	MT4	1000 [455]	98.2%	2.8-3.5%	< 0.95%	< 0.3%	2x350MCM-#6	250MCM-#6	2/0-#6	350MCM-#6	4x350MCM-#6
150	MT4	1300 [590]	98.3%	3.2-4.5%	< 0.95%	< 0.3%	2x350MCM-#6	350MCM-#6	250MCM-#6	600MCM-#2	4x600MCM-#2
225	LT1	1800 [820]	98.5%	3.2-4.5%	< 1.0%	< 0.5%	2x600MCM-#2	600MCM-#2	600MCM-#2	2x350MCM-#6	8x350MCM-#6
300	LT2	2500 [1135]	98.6%	3.2-4.5%	< 1.0%	< 0.5%	Copper Pad	Copper Pad	Copper Pad	Copper Pad	Copper Pad

- Secondary winding group X lags primary group H by the angular displacement. Secondary group Y lags secondary group X by a further 30 degrees.
- Estimated Values.
- For additional information refer to: Typical Specifications, Technical Guide, Internal Layout and Connection Diagrams.
- Specifications are subject to change without notice.
- Based on primary side kVA rating and measured with one secondary short circuited.
- Based on kVA rating of one secondary and measured with only one secondary short circuited.
- 80 °C and 115 °C temperature rises may require larger enclosure.
- 15kVA and 30kVA transformers have 200 °C insulation class.

