

GENERAL SPECIFICATIONS:

PRIMARY

3-phase, 3-wire, 60Hz

THREE SECONDARIES [each]

3-phase, 4-wire, 60Hz, 40% rated

OPERATING TEMPERATURE RISE^[6]

130°C [115°C] [80°C]

INSULATION CLASS^[6]

220°C

ANGULAR DISPLACEMENT

20° between secondary groups

ZERO SEQUENCE IMPEDANCE

Z₀ < 0.95%, X₀ < 0.3%
(or as per table below)

PRIMARY TAPS

15kVA (and all 208V): ± 1 x 5%
30kVA – 300kVA: ± 2 x 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

ENCLOSURE

Type: NEMA-3R, ventilated

Paint: Polyester powder coated

Colour: ANSI 61 Grey

ELECTROSTATIC SHIELD

Single, [double]

OPTIONS:

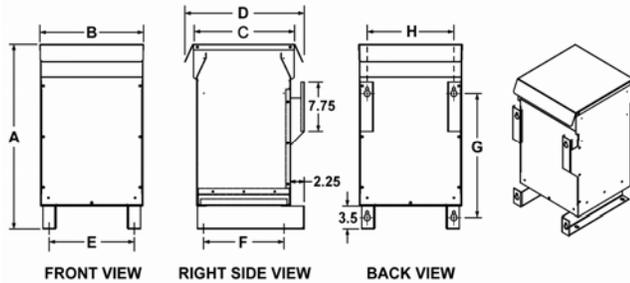
OVER-TEMPERATURE SENSORS

[170°C], [200°C]

SOLID BOTTOM PLATE (Case 'MT' only)

[yes], [no]

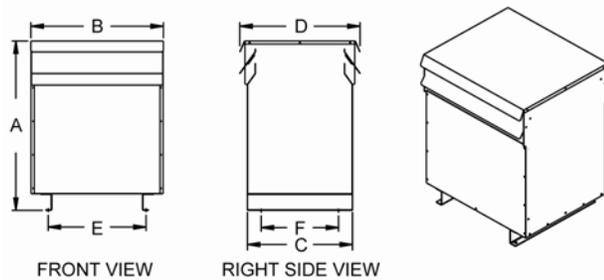
'MT1', 'MT2' STYLE ENCLOSURE



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:

H3E t - dd - hhh - xxx - kVA - 40 - X

Angular Displacement: 20
Secondary L-L Voltage: 208, 480, 600
Secondary Rating [each]: 40% (of primary kVA)
Transformer Type: T = (isolation), A = (autotransformer)
Primary L-L Voltage: 208, 480, 600
Primary kVA: 15, 30, 45, 75, 112.5, 150, 225, 300
Electrostatic Shield: X = (no shield), s = (single shield), ss = (double shield)

Sizes			Efficiency	Impedances		Terminal Lugs Provided (Mechanical Type)					
kVA Primary	Case Style	Weight lb [kg] ^[1]	@35% - 65% Load	3 Phase Short Circuit ^[4]	Zero Sequence ^[5]		Primary			Each Sec. Phase	Total on Common
					Z ₀	X ₀	208V	480V	600V	120/208V	Neutral
30	MT2	430 [195]	97.0%	2.8-3.5%	< 0.95%	< 0.3%	2/0-#6	#2-#14	#2-#14	#2-#14	3x2/0-#6
45	MT2	550 [250]	97.5%	2.8-3.5%	< 0.95%	< 0.3%	250MCM-#6	#2-#14	#2-#14	2/0-#6	6x2/0-#6
75	MT3	820 [375]	97.7%	2.8-3.5%	< 0.95%	< 0.3%	600MCM-#2	2/0-#6	2/0-#6	2/0-#6	6x250MCM-#6
112.5	MT4	1100 [500]	98.0%	2.8-3.5%	< 0.95%	< 0.3%	2x350MCM-#6	250MCM-#6	2/0-#6	250MCM-#6	6x250MCM-#6
150	MT4	1400 [635]	98.2%	2.8-3.5%	< 0.95%	< 0.3%	2x350MCM-#6	350MCM-#6	250MCM-#6	350MCM-#6	6x350MCM-#6
225	LT1	1950 [885]	98.3%	3.2-4.5%	< 1.0%	< 0.5%	2x600MCM-#2	600MCM-#2	600MCM-#2	600MCM-#2	6x600MCM-#2
300	LT2	2600 [1180]	98.5%	3.2-4.5%	< 1.0%	< 0.5%	Copper Pad	Copper Pad	Copper Pad	Copper Pad	Copper Pad

- 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.
- 30kVA transformer has 200°C insulation class.
- 80°C and 115°C temperature rise may require larger enclosure.

