

#### GENERAL SPECIFICATIONS:

<b>PRIMARY</b>
3-phase, 3-wire, 60Hz
<b>SECONDARY</b>
3-phase, 4-wire, 60Hz
<b>OPERATING TEMPERATURE RISE</b>
115°C
<b>INSULATION CLASS</b>
220°C
<b>PRIMARY TAPS</b>
15kVA (and all 208V): ± 1 x 5%
30kVA - 300kVA: + 2 x 2.5%, - 4 x 2.5%
500kVA - 750 kVA: ± 2 x 2.5%
<b>K-FACTOR RATING (at 150°C rise)</b>
13
<b>NEUTRAL BUS AMPACITY</b>
200% of phase current
<b>ENERGY EFFICIENCY (see table below)</b>

**Linear Load:**  
Meets and/or exceeds DOE 10 CFR Part 431 2016 efficiency Requirements ensuring losses are 30% lower than Nema TP1 standard

**Non-Linear Load:**  
Exceeds Nema TP1 requirements

**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
750kVA:	64dB

**ENCLOSURE**

Type: NEMA-3R, ventilated  
Paint: Polyester powder coated  
Colour: ANSI 61 Grey

**ELECTROSTATIC SHIELD**

Single, [double]

**APPLICABLE STANDARDS**

NEMA ST20, NEMA TP1, NEMA TP2  
CSA C9, CAN/CSA-C802.2, DOE 2016

**OPTIONS:**

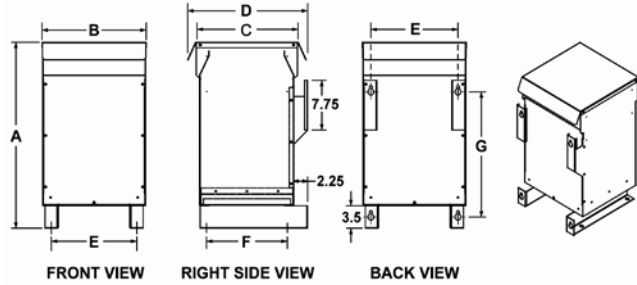
**OVER-TEMPERATURE SENSORS**

[170°C], [200°C]

**SOLID BOTTOM PLATE (Case 'MT' only)**

[yes], [no]

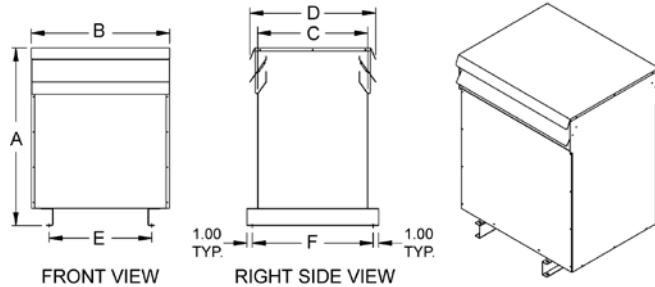
'MT1', 'MT2' ENCLOSURE DIM. - inches [mm]



DIMENSIONS - inches [mm]

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

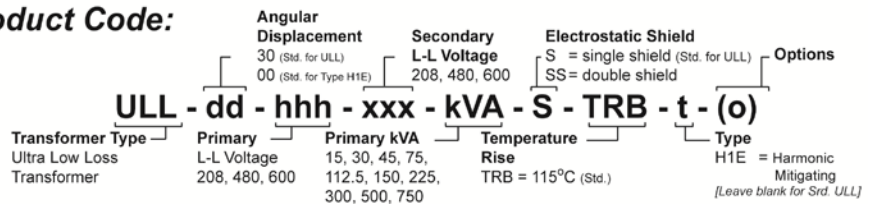
'MT3', 'MT4', 'LT' ENCLOSURE DIM. - inches [mm]



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]
LT3	75.00 [1905]	48.50 [1232]	39.00 [991]	43.00 [1092]	27.50 [699]	41.00 [1041]

#### Product Code:



Sizes			Efficiency				Impedance			Terminal Sizes				
kVA Primary	Case Style	Weight lb [kg] <sup>[1]</sup>	Linear		K-13 Non-Linear @50% Load <sup>[3]</sup>	No-Load Losses Watts	ULLTRA H1E Zero Sequence Zo		3-Phase Short Circuit	Primary			Secondary	
			35% Load <sup>[2]</sup>	50% Load			ULLTRA H1E	3-Phase	208V	480V	600V	120/208V	Neutral	
15	MT2	250 [115]	97.90%	97.96%	97.0%	75	<0.95%	<0.3%	2.0 - 3.5%	#2-#14	#6-#14	#6-#14	#2-#14	2x#2-#14
30	MT2	375 [170]	98.25%	98.35%	97.5%	115	<0.95%	<0.3%	2.0 - 3.5%	2/0-#6	#2-#14	#2-#14	2/0-#6	2x2/0-#6
45	MT3	500 [227]	98.40%	98.45%	97.7%	150	<0.95%	<0.3%	2.0 - 3.5%	250MCM-#6	#2-#14	#2-#14	250MCM-#6	2x250MCM-#6
75	MT3	850 [386]	98.60%	98.65%	98.0%	225	<0.95%	<0.3%	2.0 - 3.5%	600MCM-#4	2/0-#6	2/0-#6	600MCM-#4	2x600MCM-#4
112.5	MT4	1000 [454]	98.74%	98.82%	98.2%	320	<0.95%	<0.3%	2.5 - 5.0%	2x350MCM-#6	250MCM-#6	2/0-#6	2x350MCM-#6	4x350MCM-#6
150	MT4	1200 [544]	98.83%	98.85%	98.3%	400	<0.95%	<0.3%	2.5 - 5.0%	2x350MCM-#6	350MCM-#6	250MCM-#6	2x350MCM-#6	4x350MCM-#6
225	LT1	1800 [820]	98.95%	99.00%	98.5%	560	<1.0%	<0.5%	3.0 - 6.0%	Copper Pad	Copper Pad	Copper Pad	Copper Pad	Copper Pad
300	LT2	2500 [1135]	99.02%	99.07%	98.6%	710	<1.0%	<0.5%	3.0 - 6.0%	Copper Pad	Copper Pad	Copper Pad	Copper Pad	Copper Pad
500	LT3	3175 [1440]	99.14%	99.20%	98.7%	1100	<1.5%	<0.5%	4.5 - 7.0%	Copper Pad	Copper Pad	Copper Pad	Copper Pad	Copper Pad
750	LT3	4250 [1928]	99.23%	99.28%	98.8%	1550	<2.0%	<1.0%	5.0 - 8.0%	Copper Pad	Copper Pad	Copper Pad	Copper Pad	Copper Pad

1. Approximate values.  
2. DOE 2016, NEMA Premium specifications.  
3. Equivalent to NEMA TP-1.  
4. Specifications are subject to change without notice.  
5. For additional information refer to: Typical Specifications, Technical Guide, Internal Layout and Connection Diagrams.

