

EXN112T3HCU

DOE 2016 LV XFMR, 3 Phase, 112.5kVA, 480
Delta-208Y/120, CU, 150°C Rise-220C INS



Main

Range of product	Square D
Product or component type	DOE 2016 energy efficient transformer
Device application	Low voltage electrical distribution

Complementary

Box number	21M
Phase	3 phase
Rated operational power in VA	112.5 kVA
Network frequency	60 Hz
Type of cooling	Natural convection
Primary voltage	480 V delta
Number of tap-offs	2 2.5 % FCAN 4 2.5 % FCBN
Primary operational current	135.32 A 312.27 A 112.5 kVA
Secondary voltage	208Y/120 V
Coil Material	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.66 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	44 dB 6 dB NEMA ST-20
%IZ	3.27 %
%IX	2.67 %
X/R Ratio	1.39
Inrush current	1563 A
Let Through Current	9.55 kA

Transformer Losses	238 no load (core loss) 2389 load loss (coil loss)
Transformer BTU/HR	1039 16.6 % 1322 25 % 2850 50 % 5397 75 % 8964 100 %
Height	37.52 in (953 mm)
Maximum Depth	28.43 in (722 mm)
Maximum Width	31.30 in (795 mm)
Net Weight	974.00 lb(US) (441.80 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB21M
Degree of protection	UL type 2 UL type 3R, with 7400WS21M
Electrical connection	4 Hole Nema Pad secondary 0.44 in (11.1 mm) 6 Hole Nema Pad sec - XO 0.44 in (11.1 mm) 4 Hole Nema Pad primary 0.44 in (11.1 mm)
Number of mounting holes	0.51 in (13 mm)

Environment

Ambient air temperature for operation	104 °F (40 °C)
Average ambient air temperature for operation	30 °C
Standards	UL 1561 CSA C22.2 No 47 NEMA ST-20

Offer Sustainability

RECh Regulation	RECh Declaration
RECh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
PVC free	Yes