

EXN112T1814H

DOE 2016 LV XFMR, 3 Phase, 112.5kVA, 480
Delta-480Y/277, AL, 150°C Rise-220C INS



Main

Range of product	Square D
Product or component type	DOE 2016 energy efficient transformer
Device short name	DOE 2016
Transformer type	Energy efficient
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 135.32 A 112.5 kVA
Secondary voltage	480Y/277 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.82 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	47 DB 6 dB NEMA ST-20
%IZ	3.53 %
%IX	2.82 %
X/R Ratio	1.46
Inrush current	1476 A
Let Through Current	3.83 kA
Transformer Losses	221 no load (core loss) 2498 load loss (coil loss)
Transformer BTU/HR	991 16.6 % 1287 25 % 2885 50 % 5549 75 % 9278 100 %
Height	37.52 in (953 mm)
Depth	28.43 in (722 mm)
Width	31.30 in (795 mm)
Net Weight	730.00 lb(US) (331.12 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

Ordering and shipping details

Category	16256 - 3PH EXN/2016 15-150KVA LVGP XFMR
Discount Schedule	PE2X
GTIN	00785901520139
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	Yes