

Product data sheet

Characteristics

EXN45T3155H

Low voltage transformer, DOE 2016, dry type, 3 phase, 45kVA, 208V pri, 480/277V sec, Al, 150C rise, Type 2



Main

Range of Product	Square D
Product or Component Type	Transformer
Device short name	DOE 2016
Transformer type	Energy efficient
Device Application	Low voltage electrical distribution

Complementary

Box number	19M
Phase	3 phase
Rated operational power in VA	45 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	240 V delta
Primary operational current	108.25 A 54.13 A 45 kVA
Secondary voltage	480Y/277 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.48 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 39 dB
%IZ	4.05 %
%IX	2.71 %
X/R Ratio	0.96
Inrush current	1350 A
Let Through Current	1.40 kA
Transformer Losses	105 no load (core loss) 1394 load loss (coil loss)
Transformer BTU/HR	490 16.6 % 656 25 % 1547 50 % 3034 75 % 5115 100 %
Height	29.33 in (745 mm)
Depth	25.94 in (659 mm)
Width	25.51 in (648 mm)
Net Weight	395.00 lb(US) (179.17 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB18M19M20M Wall, with 7400WMB18M19M20M
Degree of protection	UL type 2 UL type 3R, with 7400WS18M19M20M

Electrical connection	2 Hole Nema Pad secondary 0.44 in (11.1 mm) 4 Hole Nema Pad sec - HO 0.44 in (11.1 mm) 4 Hole Nema Pad primary 0.44 in (11.1 mm)
Number of mounting holes	4 Ø: 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
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	29.33 in (74.5 cm)
Package 1 Width	25.51 in (64.8 cm)
Package 1 Length	25.94 in (65.9 cm)
Package 1 Weight	485.00 lb(US) (219.992 kg)