

Product data sheet

Characteristics

EXN45T3156H

Low voltage transformer, DOE 2016, dry type, 3 phase, 45kVA, 208V pri, 208Y/120V sec, Al, 150C rise, Type 2



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	19M
Phase	3 phase
Rated operational power in VA	45 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	208 V delta
Primary operational current	108.25 A 124.91 A 45 kVA
Secondary voltage	208Y/120 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.45 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 39 dB
%IZ	4.25 %
%IX	2.77 %
X/R Ratio	0.92
Inrush current	1170 A
Let Through Current	3.09 kA
Transformer Losses	99 no load (core loss) 1491 load loss (coil loss)
Transformer BTU/HR	479 16.6 % 656 25 % 1610 50 % 3200 75 % 5425 100 %
Height	29.33 in (745 mm)
Depth	25.94 in (659 mm)
Width	25.51 in (648 mm)
Net Weight	395.99 lb(US) (179.62 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 - 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	785901963363
Nbr. of units in pkg.	1
Package weight(Lbs)	485.00 lb(US) (219.992 kg)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
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)