

Product data sheet

Characteristics

EXN75T6H

LowVoltage Transformer, DOE 2016, 3 phase, 75kVA, 480V Delta primary/240V Delta secondary, AL, 150°C rise



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	20M
Phase	3 phase
Rated operational power in VA	75 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	90.21 A 180.42 A 75 kVA
Secondary voltage	240 V delta
Coil Material	Aluminium
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	47 DB 6 dB NEMA ST-20
%IZ	5.08 %
%IX	4.30 %
X/R Ratio	1.83
Inrush current	777 A
Let Through Current	3.55 kA
Transformer Losses	144 no load (core loss) 2126 load loss (coil loss)
Transformer BTU/HR	693 16.6 % 945 25 % 2305 50 % 4572 75 % 7746 100 %
Height	33.50 in (851 mm)
Depth	27.44 in (697 mm)
Width	30.08 in (764 mm)
Net Weight	529.00 lb(US) (239.95 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB18M19M20M Wall, with 7400WMB18M19M20M

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Degree of protection	UL type 2 UL type 3R, with 7400WS18M19M20M
Electrical connection	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	785901963202
Nbr. of units in pkg.	1
Package weight(Lbs)	620.00 lb(US) (281.227 kg)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	33.50 in (85.1 cm)
Package 1 width	30.08 in (76.4 cm)
Package 1 Length	27.44 in (69.7 cm)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Phenyl Glycidyl Ether, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH 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