

Product data sheet

Characteristics

EXN75T3HFCU

Low voltage transformer, DOE 2016, dry type, 3 phase, 75kVA, 480V pri, 208Y/120V sec, Cu, 115C 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	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 208.18 A 75 kVA
Secondary voltage	208Y/120 V
Coil Material	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	115 °C 220 °C insulated
DOE Efficiency	98.74 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	49 dB 6 dB NEMA ST-20
%IZ	4.01 %
%IX	3.28 %
X/R Ratio	1.29
Inrush current	852 A
Let Through Current	5.19 kA
Transformer Losses	125 no load (core loss) 1813 load loss (coil loss)
Transformer BTU/HR	656 16.6 % 871 25 % 2031 50 % 3964 75 % 6671 100 %
Height	33.50 in (851 mm)
Depth	27.44 in (697 mm)
Width	30.08 in (764 mm)
Net Weight	653.01 lb(US) (296.20 kg)

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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	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
GTIN	785901521495
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
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)
Package 1 Weight	1025.00 lb(US) (464.932 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
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
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
PVC free	Yes