

Product data sheet

Characteristics

EX300T3H

Low voltage transformer, DOE 2016, dry type, 3 phase, 300kVA, 480V pri, 208Y/120V sec, Al, 150C rise, Type 1



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	25J
Phase	3 phase
Rated operational power in VA	300 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
Secondary voltage	208Y/120 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	99.15 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 49 dB
%IZ	5.0 %
%IX	0.0476 %
X/R Ratio	3.09
Let Through Current	16.7 kA
Transformer Losses	437.0 no load (core loss) 4617.0 load loss (coil loss)
Transformer BTU/HR	1925.2194095233838 16.6 % 2475.722279875 25 % 5429.5709575 50 % 10352.652086875 75 % 17244.965668 100 %
Height	57.52 in (1461 mm)
Depth	32.76 in (832 mm)
Width	40.08 in (1018 mm)
Net Weight	1860.00 lb(US) (843.68 kg)
Mounting support	Floor Floor, with 7400FMB

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Degree of protection	UL type 1 UL type 2, with 7400DS25J UL type 3R, with 7400WS25J
Electrical connection	4 Hole Nema Pad primary 0.44 in (11.1 mm) 6 Hole Nema Pad secondary 0.44 in (11.1 mm) 8 Hole Nema Pad sec - XO 0.44 in (11.1 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	16251-3PH EX/2016 225-300KVA LVGP XFMR
Discount Schedule	PE2X
GTIN	785901735069
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	64.02 in (162.6 cm)
Package 1 Width	47.99 in (121.9 cm)
Package 1 Length	40.00 in (101.6 cm)
Package 1 Weight	2086.00 lb(US) (946.194 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
Halogen content performance	Halogen free plastic parts product

Approximate Dimensions

