

EX45T3HFNLP

Transformer, dry type, DOE 2016, 45kVA,
3 phase, 480V delta primary, 208Y/120V
secondary, 20K, 115C rise, K13



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	20K
Phase	3 phase
Rated operational power in VA	45 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	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	115 °C 220 °C insulated
DOE Efficiency	98.71 % at 35 % load factor , 167.0000000000 °F (75.0 °C)
Sound Level	1 DB NEMA ST-20 44 dB
%IZ	0.03 %
%IX	0.0257 %
X/R Ratio	1.6
Let Through Current	4.1 kA
Transformer Losses	128.0 no load (core loss) 724.0 load loss (coil loss)
Transformer BTU/HR	504.807256128 16.6 % 591.129 25 % 1054.308 50 % 1826.273 75 % 2907.024 100 %
Height	42.008 in (1067 mm)
Depth	22.8 in (578 mm)
Width	30.08 in (764 mm)
Net Weight	755.00 lb(US) (342.46 kg)
Mounting support	Floor Floor, with 7400FMB Wall, with 7400WMB18K20K Ceiling, with 7400CMB20K

Degree of protection	UL type 1 UL type 2, with 7400DS20K UL type 3R, with 7400WS20K
Electrical connection	2 Hole Nema Pad primary 0.4 in (11.1 mm) 2 Hole Nema Pad secondary 0.4 in (11.1 mm) 4 Hole Nema Pad sec - XO 0.4 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	US1PE2X16253
Discount Schedule	PE2X
GTIN	785901571704
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	48.0 in (121.9 cm)
Package 1 Width	35.0000000000 in (88.9 cm)
Package 1 Length	30.0000000000 in (76.2 cm)
Package 1 Weight	571.0 lb(US) (259.0 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
Circularity Profile	No need of specific recycling operations
PVC free	Yes
Halogen content performance	Halogen free plastic parts product