

Product data sheet

Characteristics

EXN15T1814H

Low voltage transformer, DOE 2016, dry type, 3 phase, 15kVA, 480V pri, 480/277V 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	17M
Phase	3 phase
Rated operational power in VA	15 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	18.04 A 18.04 A 15 kVA
Secondary voltage	480Y/277 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.00 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 39 dB
%IZ	4.62 %
%IX	2.77 %
X/R Ratio	0.89
Inrush current	207 A
Let Through Current	0.39 kA
Transformer Losses	51 no load (core loss) 561 load loss (coil loss)
Transformer BTU/HR	227 16.6 % 294 25 % 653 50 % 1251 75 % 2088 100 %
Height	23.98 in (609 mm)
Depth	21.18 in (538 mm)
Width	21.50 in (546 mm)
Product Weight	191.01 lb(US) (86.64 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB17M Wall, with 7400WMB17M

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Degree of protection	UL type 2 UL type 3R, with 7400WS22M
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) 2 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	785901521273
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	23.98 in (60.9 cm)
Package 1 Width	21.50 in (54.6 cm)
Package 1 Length	21.18 in (53.8 cm)
Package 1 Weight	230.00 lb(US) (104.326 kg)