

# Product data sheet

Specifications

SQUARE D



Transformer, dry type, DOE 2016, 45kVA, 3 phase, 480V delta primary, 208Y/120V secondary, 19M, 150C rise, Cu, K13

EXN45T3HCUNLP

Product availability: Non-Stock - Not normally stocked in distribution facility

## 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	19M
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
Primary operational current	18.04 A 41.64 A 15 kVA
Secondary voltage	208Y/120 V
Coil Material	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.54 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	1 dB NEMA ST-20 44 dB
%IZ	4.41 %
%IX	3.50 %
X/R Ratio	1.31
Inrush current	532 A
Let Through Current	2.83 kA
Transformer Losses	108 no load (core loss) 1252 load loss (coil loss)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Transformer BTU/HR</b>	487 16.6 % 636 25 % 1437 50 % 2772 75 % 4641 100 %
<b>Height</b>	29.3 in (745 mm)
<b>Depth</b>	25.9 in (659 mm)
<b>Width</b>	25.5 in (648 mm)
<b>Net Weight</b>	509.004 lb(US) (230.88 kg)
<b>Mounting support</b>	Floor Floor, with 7400FMB Ceiling, with 7400CMB18M19M20M Wall, with 7400WMB18M19M20M
<b>Degree of protection</b>	UL type 2 UL type 3R, with 7400WS18M19M20M
<b>Electrical connection</b>	2 Hole Nema Pad secondary 0.4 in (11.1 mm) 4 Hole Nema Pad sec - XO 0.4 in (11.1 mm) 4 Hole Nema Pad primary 0.4 in (11.1 mm)
<b>Number of mounting holes</b>	4 Ø: 0.5 in (13 mm)

## Environment

<b>Ambient Air Temperature for Operation</b>	104 °F (40 °C)
<b>Average ambient air temperature for operation</b>	30 °C
<b>Standards</b>	UL 1561 CSA C22.2 No 47 NEMA ST-20

## Ordering and shipping details

<b>Category</b>	US1PE2X16259
<b>Discount Schedule</b>	PE2X
<b>GTIN</b>	785901416586
<b>Returnability</b>	Yes
<b>Country of origin</b>	MX

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	34.00 in (86.36 cm)
<b>Package 1 Width</b>	28.00 in (71.12 cm)
<b>Package 1 Length</b>	27.00 in (68.58 cm)
<b>Package weight(Lbs)</b>	755.00009 lb(US) (342.462 kg)




## Environmental Data


Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)


[How we assess product sustainability >](#)

 <b>Environmental footprint</b>	
Carbon footprint (kg CO2 eq, Total Life cycle)	16312
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better

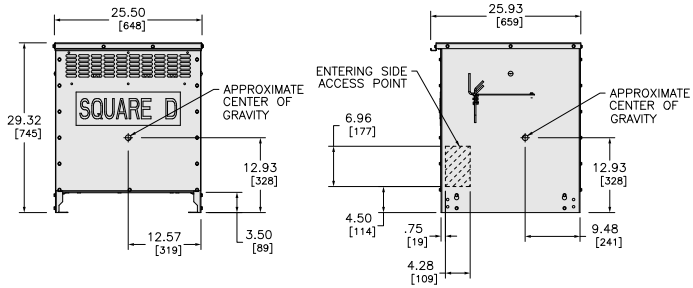
 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> This product can expose you to chemicals including: 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
PVC free	Yes

### Use Again

 <b>Repack and remanufacture</b>	
Circularity Profile	No need of specific recycling operations
Take-back	No

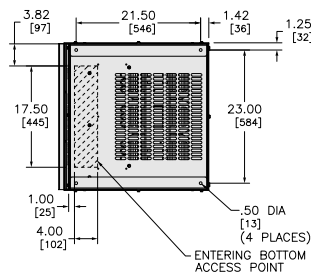
Technical Illustration

Dimensions



EXN45T3HCUNLP

in.  
[mm]



ALL DIMENSIONS ARE APPROXIMATE.  
REFER TO TECHNICAL DRAWINGS AND  
DOCUMENTATION FOR COMPLETE INFORMATION.

Technical Illustration

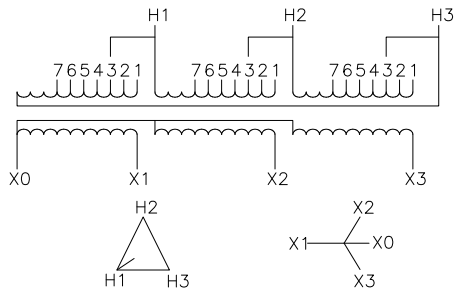
Wiring diagram

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IN EACH PHASE CONNECT TO TAPS	
PRIMARY VOLTS	2-2.5% FCAN 4-2.5% FCBN
504	1
492	2
480	3
468	4
456	5
444	6
432	7

EXN45T3HCUNLP

NOTE: ACTUAL VOLTAGES &  
NAMEPLATE VALUES MAY NOT  
MATCH VOLTAGE IN TABLE



REFER TO TECHNICAL DRAWINGS AND  
DOCUMENTATION FOR COMPLETE INFORMATION.