

Product data sheet

Specifications



Transformer, dry type, DOE 2016, 75kVA, 3 phase, 480V delta primary, 208Y/120V secondary, 20M, 150C rise, K13

EXN75T3HNLP

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	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	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.70 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	47 dB 6 dB NEMA ST-20
%IZ	5.26 %
%IX	4.63 %
X/R Ratio	2.36
Inrush current	771 A
Let Through Current	3.96 kA
Transformer Losses	153 no load (core loss) 1933 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.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Transformer BTU/HR	690 16.6 % 947 25 % 2335 50 % 4648 75 % 7885 100 %
Height	33.5 in (851 mm)
Depth	27.4 in (697 mm)
Width	30.08 in (764 mm)
Product Weight	579.99 lb(US) (263.08 kg)
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	4 Hole Nema Pad secondary 0.4 in (11.1 mm) 6 Hole Nema Pad sec - XO 0.4 in (11.1 mm) 4 Hole Nema Pad primary 0.4 in (11.1 mm)
Number of mounting holes	4 Ø: 0.5 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	US1PE2X16259
Discount Schedule	PE2X
GTIN	785901419501
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	33.5 in (85.1 cm)
Package 1 Width	30.08 in (76.4 cm)
Package 1 Length	27.4 in (69.7 cm)
Package weight(Lbs)	865.000 lb(US) (392.357 kg)

Contractual warranty

Warranty (in months)	18
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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 >](#)

Environmental footprint	
Total lifecycle Carbon footprint	23 774 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 758 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	50 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	21 405 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	561 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Declare	Red list free

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold
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
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

Use Longer

Lifetime extension	
Repair	No

Use Again

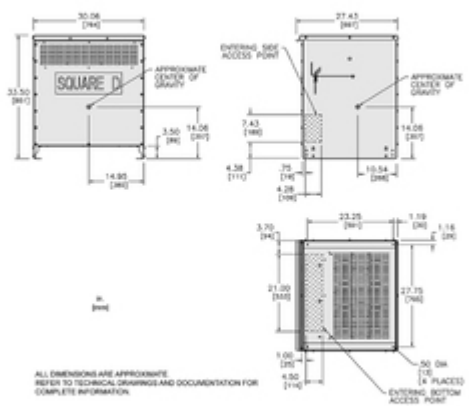
Repack and remanufacture	
Recyclability potential, in %	95
Circularity Profile	No need of specific recycling operations
Take-back	No



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

