

Product data sheet

Specifications



Transformer, dry type, DOE 2016, 300kVA, 3 phase, 480V delta primary, 208Y/120V secondary, 25J, 150C rise, Cu

EX300T3HCU

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	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	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	99.07 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 dB NEMA ST-20 49 dB
%IZ	0.06 %
%IX	0.0569 %
X/R Ratio	3.24
Let Through Current	14.0 kA
Transformer Losses	453.0 no load (core loss) 5274.0 load loss (coil loss)
Transformer BTU/HR	2041.5880966368477 16.6 % 2670.4276327499997 25 % 6044.609552999999 50 % 11668.24608675 75 % 19541.337234 100 %

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

Height	57.5 in (1461 mm)
Depth	32.8 in (832 mm)
Width	40.08 in (1018 mm)
Product Weight	1974.99 lb(US) (895.84 kg)
Mounting support	Floor Floor, with 7400FMB
Degree of protection	UL type 1 UL type 2, with 7400DS25J UL type 3R, with 7400WS25J
Electrical connection	4 Hole Nema Pad primary 0.4 in (11.1 mm) 6 Hole Nema Pad secondary 0.4 in (11.1 mm) 8 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	US1PE2X16251
Discount Schedule	PE2X
GTIN	785901807339
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	64.02 in (162.6 cm)
Package 1 Width	40.0 in (101.6 cm)
Package 1 Length	48.0 in (121.9 cm)
Package weight(Lbs)	2235.002 lb(US) (1013.779 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	67 984 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4 233 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	169 kg CO2 eq.
Carbon footprint of the installation phase [A5]	44 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	61 385 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 153 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

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
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

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

Dimensions Drawings

Approximate Dimensions

