

Product data sheet

Specifications

SQUARE D



Transformer, dry type, DOE 2016, 500kVA, 3 phase, 480V delta primary, 208Y/120V secondary, 30J, 115C rise

EX500T68HF

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	30J
Phase	3 phase
Rated operational power in VA	500 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	480 V delta
Number of tap-offs	2 2.5 % FCAN 2 2.5 % FCBN
Secondary voltage	208Y/120 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	115 °C 220 °C insulated
DOE Efficiency	99.26 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 dB NEMA ST-20 56 dB
%IZ	0.049 %
%IX	0.0474 %
X/R Ratio	3.95
Let Through Current	28.4 kA
Transformer Losses	672.0 no load (core loss) 6000.0 load loss (coil loss)
Transformer BTU/HR	2857.109333712 16.6 % 3572.5126739999996 25 % 7411.172423999999 50 % 13808.938673999999 75 % 22765.811424 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	71.0 in (1803 mm)
Depth	37.9 in (963 mm)
Width	48.3 in (1226 mm)
Product Weight	2915.00 lb(US) (1322.22 kg)
Mounting support	Floor Floor, with 7400FMB
Degree of protection	UL type 1 UL type 2, with 7400DS30J UL type 3R, with 7400WS30J
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	US1PE2X16252
Discount Schedule	PE2X
GTIN	785901501008
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	71.0 in (180.3 cm)
Package 1 Width	38.0 in (96.5 cm)
Package 1 Length	49.02 in (124.5 cm)
Package weight(Lbs)	4082.693 lb(US) (1851.877 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	94 888 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	8 837 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	249 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	82 980 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 822 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
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
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Use Again



Repack and remanufacture

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