

Product data sheet

Specifications



Transformer, dry type, DOE 2016, 112.5kVA, 3 phase, 600V delta primary, 208Y/120V secondary, 21M, 150C rise, Cu

EXN112T65HCU

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	21M
Phase	3 phase
Rated operational power in VA	112.5 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	600 V delta
Number of tap-offs	2 2.5 % FCAN 4 2.5 % FCBN
Primary operational current	108.25 A 312.27 A 112.5 kVA
Secondary voltage	208Y/120 V
Coil Material	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.81 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	44 dB 6 dB NEMA ST-20
%IZ	3.27 %
%IX	2.40 %
X/R Ratio	1.08
Inrush current	1354 A
Let Through Current	9.55 kA
Transformer Losses	213 no load (core loss) 2611 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	974 16.6 % 1284 25 % 2954 50 % 5738 75 % 9636 100 %
Height	37.5 in (953 mm)
Depth	28.4 in (722 mm)
Width	31.3 in (795 mm)
Product Weight	844.00 lb(US) (382.83 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB21M
Degree of protection	UL type 2 UL type 3R, with 7400WS21M
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	US1PE2X16256
Discount Schedule	PE2X
GTIN	785901436010
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	37.5 in (95.3 cm)
Package 1 Width	31.3 in (79.5 cm)
Package 1 Length	28.4 in (72.2 cm)
Package weight(Lbs)	1025.0004 lb(US) (464.932 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	32 264 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 809 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	72 kg CO2 eq.
Carbon footprint of the installation phase [A5]	19 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	29 444 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	920 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

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