

Product data sheet

Specifications



Transformer, dry type, DOE 2016,
30kVA, 3 phase, 480V delta
primary, 208Y/120V secondary,
18K, 115C rise, K13

EX30T3HFNLP

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	18K
Phase	3 phase
Rated operational power in VA	30 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	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	115 °C 220 °C insulated
DOE Efficiency	98.56 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 dB NEMA ST-20 39 dB
%IZ	2.5 %
%IX	0.0182 %
X/R Ratio	1.09
Let Through Current	3.4 kA
Transformer Losses	100.0 no load (core loss) 501.0 load loss (coil loss)
Transformer BTU/HR	388.30455707199997 16.6 % 448.03825 0.25 % 768.553 0.5 % 1302.74425 0.75 % 2050.612 1.0 %

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	35.3 in (897 mm)
Depth	21.0 in (533 mm)
Width	25.5 in (648 mm)
Net Weight	495.004 lb(US) (224.53 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB18K Wall, with 7400WMB18K20K
Degree of protection	UL type 1 UL type 2, with 7400DS18K UL type 3R, with 7400WS18K
Electrical connection	2 Hole Nema Pad primary 0.4 in (11.1 mm) 2 Hole Nema Pad secondary 0.4 in (11.1 mm) 4 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	US1PE2X16253
Discount Schedule	PE2X
GTIN	785901544869
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	41.0 in (104.1 cm)
Package 1 Width	32.008 in (81.3 cm)
Package 1 Length	26.7 in (67.8 cm)
Package weight(Lbs)	490.00 lb(US) (222.26 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	12 634 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
 Declare	Red list free
Carbon footprint of the manufacturing phase [A1 to A3]	1 501 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	42 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	10 612 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	479 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration
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