

Product data sheet

Specifications



Transformer, dry type, DOE 2016, 150kVA, 3 phase, 240V delta primary, 208Y/120V secondary, 22M, 150C rise

EXN150T3156H

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	22M
Phase	3 phase
Rated operational power in VA	150 kVA
Network Frequency	60 Hz
Type of cooling	Natural convection
Primary Voltage	240 V delta
Primary operational current	360.84 A 416.36 A 150 kVA
Secondary voltage	208Y/120 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.88 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	44 dB 3 dB NEMA ST-20
%IZ	3.31 %
%IX	2.78 %
X/R Ratio	1.73
Inrush current	4316 A
Let Through Current	12.93 kA
Transformer Losses	311 no load (core loss) 2841 load loss (coil loss)
Transformer BTU/HR	1330 16.6 % 1667 25 % 3485 50 % 6514 75 % 10755 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	40.6 in (1031 mm)
Depth	32.6 in (827 mm)
Width	33.7 in (855 mm)
Net Weight	1015.009 lb(US) (460.40 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB22M
Degree of protection	UL type 2 UL type 3R, with 7400WS22M
Electrical connection	6 Hole Nema Pad sec - XO 0.4 in (11.1 mm) 6 Hole Nema Pad primary 0.4 in (11.1 mm) 2 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	US1PE2X16257
Discount Schedule	PE2X
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	40.6 in (103.1 cm)
Package 1 Width	33.7 in (85.5 cm)
Package 1 Length	32.6 in (82.7 cm)
Package weight(Lbs)	1100.002 lb(US) (498.952 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	42 834 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
 Declare	Red list free
Carbon footprint of the manufacturing phase [A1 to A3]	3 077 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	87 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	38 687 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	982 kg CO2 eq.

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

Technical Illustration

Dimensions
