

EX300T1814H

Transformer, dry type, DOE 2016, 300kVA,
3 phase, 480V delta primary, 480Y/277V
secondary, 25J, 150C rise



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	480Y/277 V
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	99.12 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 49 dB
%IZ	5.4 %
%IX	0.052 %
X/R Ratio	3.48
Let Through Current	6.7 kA
Transformer Losses	485.0 no load (core loss) 4481.0 load loss (coil loss)
Transformer BTU/HR	2076.214827569912 0.166 % 2610.5018888749996 0.25 % 5477.3409455 0.5 % 10255.406039874999 0.75 % 16944.697172 1.0 %
Height	57.5 in (1461 mm)
Depth	32.8 in (832 mm)
Width	40.08 in (1018 mm)
Net Weight	1860.00 lb(US) (843.68 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	US1PE2X16501
Discount Schedule	PE2X
GTIN	785901750857
Returnability	No
Country of origin	US

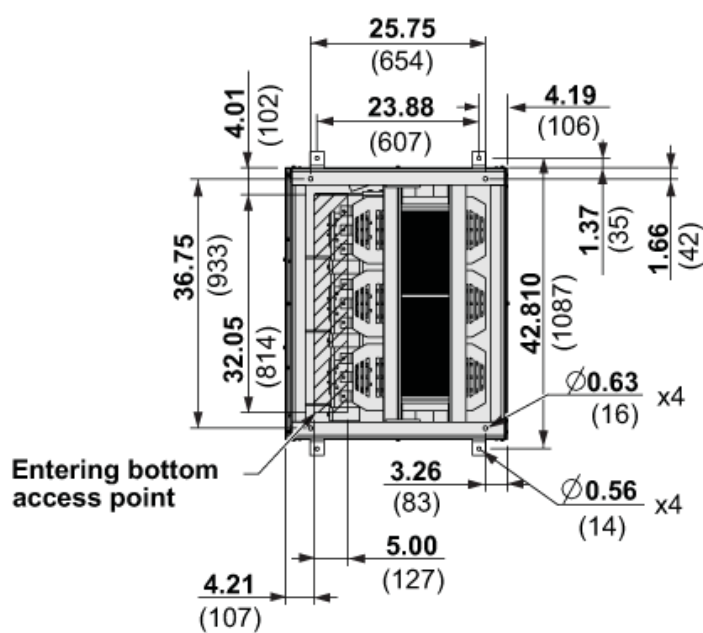
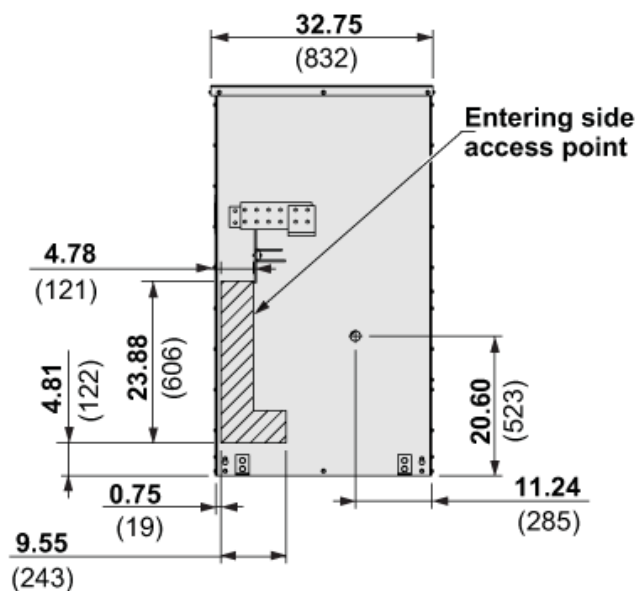
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	57.6 in (146.4 cm)
Package 1 Width	35.0000000000 in (88.9 cm)
Package 1 Length	42.6 in (108.3 cm)
Package 1 Weight	2070.001 lb(US) (938.936 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
PVC free	Yes
Halogen content performance	Halogen free plastic parts product

Technical drawing of the front view of the 'SQUARE D' unit. The drawing shows a rectangular unit with a central panel labeled 'SQUARE D'. The overall width is 40.07 (1018) and the overall height is 57.50 (1461). The unit features a top grille, a central panel, and a bottom grille. The bottom grille is 20.60 (523) high and 44.81 (1138) wide. The central panel is 20.34 (517) wide. The unit is shown with mounting holes and a central screw.



in.
(mm)