



Main

Range of product	Square D
Product or component type	DOE 2016 energy efficient transformer
Device short name	DOE 2016
Transformer type	Energy efficient
Device application	Low voltage electrical distribution

Complementary

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	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	115 °C 220 °C insulated
DOE Efficiency	99.36 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	58 dB 4 dB NEMA ST-20
%IZ	0.035 %
%IX	0.0346 %
X/R Ratio	5.28
Let Through Current	39.4 kA
Transformer Losses	786.0 no load (core loss)

	3276.0 load loss (coil loss)
Transformer BTU/HR	2989.845031872 16.6 % 3380.439 25 % 5476.26 50 % 8969.295 75 % 13859.544 100 %
Height	75.98 in (1930 mm)
Depth	44.49 in (1130 mm)
Width	55.98 in (1422 mm)
Net Weight	4400.01 lb(US) (1995.81 kg)
Mounting support	Floor Floor, with 7400FMB
Degree of protection	UL type 1 UL type 2, with 7400DS31J UL type 3R, with 7400WS31J
Electrical connection	6 Hole Nema Pad primary 0.44 in (11.1 mm) 2 x 6 Hole Nema Pad secondary 0.44 in (11.1 mm) 10 Hole Nema Pad sec - XO 0.44 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

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
PVC free	Yes