



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	150 °C 220 °C insulated
DOE Efficiency	99.32 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 56 dB
%IZ	0.048 %
%IX	0.0465 %
X/R Ratio	4.37
Let Through Current	29.1 kA
Transformer Losses	667.0 no load (core loss) 5324.0 load loss (coil loss)
Transformer BTU/HR	2776.4877338844476 16.6 % 3411.2889644999996 25 % 6817.459715999999 50 % 12494.410968499998 75 % 20442.142722 100 %
Height	70.98 in (1803 mm)
Depth	37.91 in (963 mm)
Width	48.27 in (1226 mm)
Net Weight	3705.00 lb(US) (1680.56 kg)
Mounting support	Floor Floor, with 7400FMB
Degree of protection	UL type 1 UL type 2, with 7400DS30J UL type 3R, with 7400WS30J
Electrical connection	4 Hole Nema Pad primary 0.44 in (11.1 mm) 6 Hole Nema Pad secondary 0.44 in (11.1 mm) 8 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

Ordering and shipping details

Category	16252-3PH EX/2016 500KVA+ LVGP XFMR
Discount Schedule	PE2X
GTIN	785901694366
Nbr. of units in pkg.	1
Package weight(Lbs)	3960.01 lb(US) (1796.23 kg)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	82.01 in (208.3 cm)
Package 1 width	47.99 in (121.9 cm)
Package 1 Length	55.98 in (142.2 cm)

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
Environmental Disclosure	Product Environmental Profile
PVC free	Yes