



## 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	45 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	Copper
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.57 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 39 dB
%IZ	0.044 %
%IX	0.0334 %
X/R Ratio	1.15
Let Through Current	2.8 kA
Transformer Losses	96.0 no load (core loss) 1310.0 load loss (coil loss)
Transformer BTU/HR	450.73836228712 16.6 % 606.93475825 25 % 1445.042137 50 % 2841.8877682499997 75 % 4797.471651999999 100 %
Height	35.31 in (897 mm)
Depth	20.98 in (533 mm)
Width	25.51 in (648 mm)
Product Weight	495.00 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 0.44 in (11.1 mm) 2 Hole Nema Pad secondary 0.44 in (11.1 mm) 4 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	16250 - 3PH EX/2016 15-150KVA LVGP XFMR
Discount Schedule	PE2X
GTIN	00785901783824
Nbr. of units in pkg.	1
Package weight(Lbs)	478 lb(US) (216.82 kg)
Returnability	Yes
Country of origin	MX

## Packing Units

Package 1 Height	3.50 ft (1.067 m)
Package 1 width	2.69 ft (0.820 m)
Package 1 Length	2.25 ft (0.686 m)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
PVC free	Yes

## Approximate Dimensions

