

# Product data sheet

## Characteristics

# EX500T68H

Transformer, dry type, DOE 2016, 500kVA, 3 phase, 480V delta primary, 208Y/120V secondary, 30J, 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	30J
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	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	99.24 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 56 dB
%IZ	0.049 %
%IX	0.0474 %
X/R Ratio	3.58
Let Through Current	28.2 kA
Transformer Losses	672.0 no load (core loss) 6617.0 load loss (coil loss)
Transformer BTU/HR	2915.122749427384 16.6 % 3704.0933998749997 25 % 7937.4953275 50 % 14993.165206874999 75 % 24871.103037999997 100 %
Height	70.98 in (1803 mm)
Depth	37.91 in (963 mm)
Width	48.27 in (1226 mm)
Net Weight	2915.00 lb(US) (1322.22 kg)
Mounting support	Floor Floor, with 7400FMB

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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 XFM
Discount Schedule	PE2X
GTIN	785901727958
Returnability	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	82.00 in (208.28 cm)
Package 1 Width	48.50 in (123.19 cm)
Package 1 Length	56.00 in (142.24 cm)
Package 1 Weight	3220.01 lb(US) (1460.57 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 <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
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
PVC free	Yes
Halogen content performance	Halogen free plastic parts product