



## 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

Box number	18M
Phase	3 phase
Rated operational power in VA	30 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
Primary operational current	36.08 A 72.17 A 30 kVA
Secondary voltage	240 V delta
Coil Material	Aluminium
Basic IMP level (BIL)	10 kV
Temperature Rise	150 °C 220 °C insulated
DOE Efficiency	98.31 % at 35 % load factor , 167 °F (75.0 °C)
Sound Level	6 DB NEMA ST-20 42 dB
%IZ	2.99 %
%IX	1.90 %
X/R Ratio	1.00
Inrush current	547 A
Let Through Current	2.41 kA
Transformer Losses	110 no load (core loss) 703 load loss (coil loss)
Transformer BTU/HR	442 16.6 % 525 25 % 975 50 % 1725 75 % 2774 100 %
Height	28.31 in (719 mm)
Depth	24.69 in (627 mm)
Width	25.51 in (648 mm)
Net Weight	361.01 lb(US) (163.75 kg)
Mounting support	Floor Floor, with 7400FMB Ceiling, with 7400CMB18M19M20M Wall, with 7400WMB18M19M20M

Degree of protection	UL type 2 UL type 3R, with 7400WS18M19M20M
Electrical connection	2 Hole Nema Pad secondary 0.44 in (11.1 mm) 2 Hole Nema Pad primary 0.44 in (11.1 mm)
Number of mounting holes	0.51 in (13 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	16256 - 3PH EXN/2016 15-150KVA LVGP XFMR
Discount Schedule	PE2X
Nbr. of units in pkg.	1
Package weight(Lbs)	395.00 lb(US) (179.169 kg)
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	28.31 in (71.9 cm)
Package 1 width	25.51 in (64.8 cm)
Package 1 Length	24.69 in (62.7 cm)