Transformer code:	HM4AIAGBA
Description:	Green T.HE-EU2 AAA kVA 1600 kV 20/0,4
Line commercial offer:	8

GENERAL DATA OF THE TRANSFORMER AND CLASS STANDARDS			
Losses Family			GreenT.HE (EU)
Type of cooling			AN
Number of phases			3
Nominal rating Sr		[kVA]	1600
Nominal frequency fr		[Hz]	50
THDv		[%]	<5%
Compliance			IEC 60076-11 / EU 548
Environmental Class - Climatic - Fire Comp.			E3-C2-F1
Seismic resistance class			< 0.2g (light earthquakes)
ENVIRONMENTAL DATA			
Altitude up to m		[m]	0 ÷ 1000
Type of installation			Indoor
Maximum environmental temp. / monthly average / annual average		[°C]	40 - 30 - 20
DATA OF WINDINGS			
Nominal rating		[kVA]	1600
Nominal voltage (no-load Ur)		[kV]	20
Tapping			±2x2,5%
Insulation levels		[kV]	24 / 50 / 125 - L2
Nominal rating		[kVA]	1600
Nominal voltage (no-load Ur)		[V]	400
Insulation levels		[kV]	<1,1 / 3 / -
Material			Al / Al
Temp. of the insulating system		[°C]	155°C (F) /155°C (F)
Overflow limits Average		[K]	100 K / 100 K
Type			Casted / impregnated
Connection			Triangle / Star
Connection symbol			Dyn11
TECHNICAL DATA			
P0 no-load loss		[W]	1980 (tolerance 0%)
Unloaded current I0		[%]	0.50 (tolerance +30%)
Load losses Pk		[W]	13000 (tolerance 0%)
Short-circuit voltage Uk		[%]	6.00 (tolerance +/-10%)
Peak efficiency index PEI		[%]	-
Sup. sound power LwA / Sound pressure LpA		[dB(A)]	68 / 53
Sup. of partial discharges		[pC]	< 5
PRELIMINARY DIMENSIONAL DATA			
Degree of Protection IP 00	LxWxH.	[mm]	1800 x 1000 x 2150
Degree of Protection Box IP	LxWxH.	[mm]	x x
Transformer mass		[kg]	3950.00
Box mass		[kg]	
Wheel center distance		[mm]	820 x 820
Carpentry treatment Magnetic core			9005
Painting box			9005

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