

Compact Induction Heating Transformer t12k400/3009



- 15 kVA MF-HF Transformer
- Input Voltage: 437 to 650 V_{RMS}
- Frequency Range: 30 kHz - 400 kHz
- 15 kVA in 2,5 litres
- Power Density: 6 kVA/litre
- Efficiency: 95%
- Weight: 3 kg
- 18 Ratios Available (2,5:1 to 9:1)

Universal Transformer for Induction Heating Applications

Total Output Power 15 kVA

Wide Frequency Range 30..400 kHz

Designed for SiCtech Modules

Multi-Ratio Technology

High Efficiency

Ultra Compact Size & Low Weight

Wide Voltage Range

Natural Convection Cooled

Modules Compatible

- i100k400 (8 transformers)
- i50k400R (4 transformers)
- w12k400R (1 transformer)

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GENERAL FEATURES

Output Power	15 kVA
Output Frequency Range	30...400 kHz
Number of ratios availables	18 (check ratio chapter below)
Efficiency	95%
Power Density	6 kVA/litre
Power Specific Weight	5 kVA/kg

INPUT

HF from the module output	437...650 V _{RMS}
Operating Frequency Range	30...400 kHz

RATIOS INTEGRATED IN THE TRANSFORMER

Ratios Available	9:1	4,5:1
	8,5:1	4,25:1
	8:1	4:1
	7,5:1	3,75:1
	7:1	3,5:1
	6,5:1	3,25:1
	6:1	3:1
	5,5:1	2,75:1
	5:1	2,5:1

MECHANICAL SPECIFICATIONS

Size (width x depth x height)	198 x 100 x 160 mm
Weight	3 kg

COOLING SPECIFICATIONS

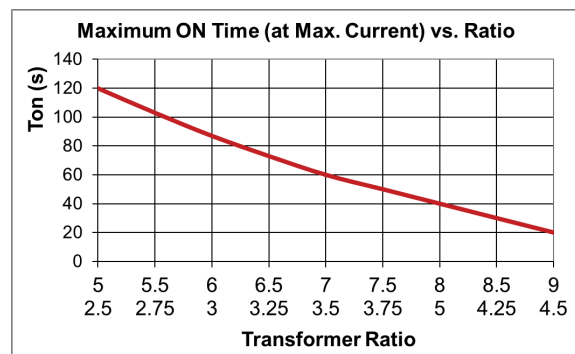
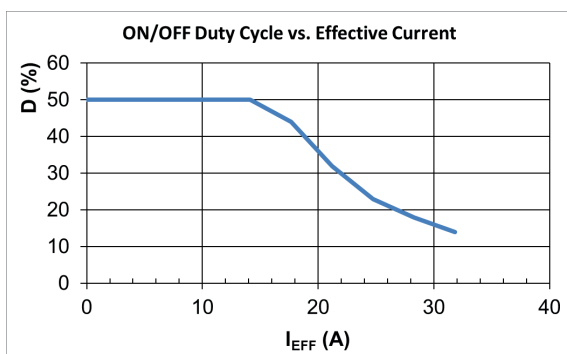
Cooling	Natural convection cooling
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ENVIRONMENTAL CONDITIONS

Environmental Temperature Range	-10°C to +40°C
Maximum Humidity	90%

MODULES COMPATIBLE

Modules	i100k400 (8 transformers needed) i50k400R (4 transformers needed) w12k400R (1 transformer needed)
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SMART INDUCTION CONVERTER TECHNOLOGIES S.L.

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