

Compact Induction Heating Transformer t100k400BS



- 100 kVA MF-HF Transformer
- Input Voltage: 450 to 650 V_{RMS}
- Frequency Range: 15 kHz - 400 kHz
- 100 kVA in 12,9 litres
- Power Density: 7,8 kVA/litre
- Efficiency: 98% @100kVA
- Weight: 32 kg
- 27 Ratios Available (2,5:1 to 18:1)

Universal Transformer for Induction Heating Applications

Total Output Power 100 kVA

Wide Frequency Range 15..400 kHz

Designed for SiCtech Modules

Multi-Ratio Technology

High Efficiency

Ultra Compact Size & Low Weight

Wide Voltage Range

Water Cooled

Modules Compatible

- w100k400

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GENERAL FEATURES

Output Power	100 kVA
Output Frequency Range	15...400 kHz
Number of ratios available	27 (check ratio chapter below)
Efficiency	98%
Power Density	7,8 kVA/litre
Power Specific Weight	3,1 kVA/kg

INPUT

Input Voltage Range	450 - 650 V _{RMS}
Operating Frequency Range	15 kHz - 400 kHz

RATIOS INTEGRATED IN THE TRANSFORMER

Ratios Available	18:1	9:1	4,5:1
	17:1	8,5:1	4,25:1
	16:1	8:1	4:1
	15:1	7,5:1	3,75:1
	14:1	7:1	3,5:1
	13:1	6,5:1	3,25:1
	12:1	6:1	3:1
	11:1	5,5:1	2,75:1
	10:1	5:1	2,5:1

MECHANICAL SPECIFICATIONS

Size (width x depth x height)	194 x 190 x 350 mm
Weight	32 kg

COOLING SPECIFICATIONS

Cooling	Water cooling (≥ 4 l/min and ≤ 5 kg/cm ²)
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ENVIRONMENTAL CONDITIONS

Environmental Temperature Range	0°C to +60°C
Maximum Humidity	90%

SiCtech MODULES COMPATIBLE

Modules	w100k400 (98% efficiency)
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