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TM
INDUCTION HEATING



EXTRATHERM 20 AIR-COOLED

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The EXTRATHERM 20 A/W is a powerful and mobile induction heating generator in TM Induction Heating's EXTRATHERM range, designed for mounting and dismounting of large components. With 27-32.6 kW of output power in a form factor three times smaller than its predecessor, it delivers serious heating capability in a portable package weighing just 39 kg.

Key functions include dual-sensor operation for tension-free heating, a multi-segment temperature profile mode with up to 8 segments, and a temperature ramp function for controlled heating processes.

The industrial touchscreen provides real-time feedback on all parameters, and data export via USB supports traceability. Multi-unit operation with leader-follower control is available for synchronized heating applications.

Designed for flexibility, the EXTRATHERM 20 A/W works with both Flexible Inductors (for gears, couplings, and bearings) and Fixed Inductors (for repeatable production cycles). Optional Modbus RTU/TCP-IP or Profinet connectivity enables integration into industrial control systems.

- Powerful mobile generator with 27-32.6 kW output
- 3x smaller form factor than predecessor
- Dual-sensor operation for tension-free heating
- Multi-segment temperature profile mode (up to 8 segments)
- Compatible with both Flexible and Fixed Inductors
- Optional Modbus/Profinet for industrial connectivity







DATASHEET

EXTRATHERM 20 AIR-COOLED



ELECTRICITY	Power rating	12.8 / 14.4 kVA
	Voltage	380/400/440/460 or 575 V*
	Current max.	40 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	39 kg
OUTPUT GENERATOR	Frequency	10-25 kHz
	Active power	27 / 32.6 kW
	Tuning	Automatic tuning
	Measurements Generator	440 x 350 x 712 mm
CONTROLS	Temperature	300°C ΔT 20-50°C
	2 temperature sensors	Max. 350°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-300°C
	Temp-Time profile mode	Setting multi-segment temperature profile, up to 8
	Set power	10-100%
SYNCHRONIZED CONTROL	Multi-unit operation	Leader - follower control to couple multi generators

TOUCHSCREEN	Heating Temperature	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 temperature sensors)	Set- and actual temperature, time and power. Actual temperature difference between inside and outside diameter
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Languages	English, German, Spanish, French
	Error report	Shown in display
OTHERS	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Optional	Modbus RTU/TCP-IP or Profinet
INDUCTORS (OPTION)	Flexible inductor 300°C	15 meter
	Flexible inductor 300°C	25 meter
	Flexible inductor 300°C	35 meter
	Fixed inductor	on request
WARRANTY	12-24 Months	