

SiCCab Family

Silicon Carbide Generator for Cable Manufacturing



- Power up to 400 kW
- Frequency Ranges: 5-100 kHz
- Efficiency: 98,9% @ 100 kHz
- Adapted to Different Diameters of the Cable



Induction heating generator for cable manufacturing

Total Output Power up to 400 kW

Wide frequency range 5...100 kHz

Adapted to different diameters of the cable

Includes induction power inverter, resonant tank and cooling system

Integrates heating inductors with fixed

Integrated fully digital controller

Extremely high efficiency

Compact Size & Low Weight

Siemens PLC with SIRIUS safety relay

Water Cooling

Applications

- Cable Manufacturing
- Cable Preheating
- Cable Postheating
- Cable Degassing



The SiCCab Family Technical Specs

SiCCab Family	50k100	75k100	100k100	150k100	200k100	250k100	300k100	400k100
Maximum Total Power	50 kW	75 kW	100 kW	150 kW	200 kW	250 kW	300 kW	400 kW
HF Output Frequency Range	5-100 kHz							
Inverter Efficiency	98,9 % @ 100 kHz							
Mains Voltage ⁽¹⁾	400/480 V _{AC} ± 10 % (Three-Phase)							
Mains Frequency Range	50 & 60 Hz							
Cos (φ)	> 0,99							
Output Circuits	Series LC							
Inductor Short Circuit Protec.	Yes							
Controller	Fully Digital Controller							
Power Regulation Range ⁽²⁾	2...100 %							
Power Setting Time ⁽³⁾	1 ms							
Dimensions WxDxH (mm)	600 x 1.200 x 1.800					600 x 1.800 x 1.800		
Weight (kg)	360	410	460	580	690	820	870	1.120
Water Max. Temperature	35 °C							
Environmental Temperature	5-50 °C							
Maximum Humidity	90 %							
User Interface	Siemens HMI KTP700							
Standard Fieldbus	ModBus TCP/IP							
Optional Fieldbuses	Profinet, DeviceNet, ...							
Optional External Control Unit	The Unit Comprises: External Star/stop, External Power Control, External Emergency Stop							

NOTE: ⁽¹⁾ For 480 VAC contact with SiCtech
⁽²⁾ At Nominal Load
⁽³⁾ At Adaptive Mode

Subject to changes

