

# HIMMEL

CONVERTERS FOR INDUCTION HEATING



MU-Range  
15 kW – 250 kW 4 kHz – 50 kHz



**HIMMEL**

# High-Level Technology

## Advantages on the hand:

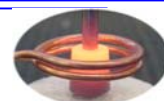
- High efficiency
- High reliability
- Reproductibility of all parameters
- Microprocessor control
- Easily integrable in production
- High economy

## Modular power electronics



## Flexibility in application

- External head with small dimensions
- Connection with flexible cables
- Large spectrum of applications
- Possibility of switchable outlet



## Applications

- Soldering
- Hardening
- Glowing
- Forging

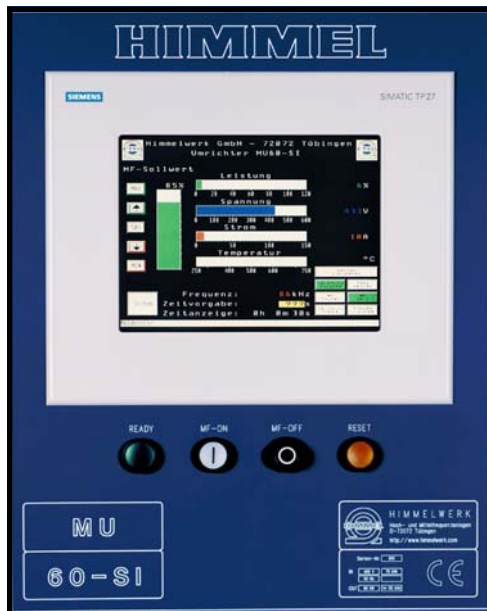
- Melting
- Sintering
- Drying
- Sealing



## Flexibility in the control

- Microprocessor control
- Alphanumeric display
- Freely programmable
- Interface for external control
- Numerous options and accessories

## Options



- With Siemens PLC
- Archiving of production

## The range MU

Model / Modele	MU-15/25	MU-40	MU-60	MU-80	MU-100
<b>OUTPUT / SORTIE</b>					
HF-Power Puissance HF	15/25 kW	40 kW	60 kW	80 kW	100 kW
Frequency Frequence	4-8 kHz		8-35 kHz	20-50 kHz	
<b>INPUT / ENTREE</b>					
Main power Puissance de reseau	18/28 kVA	45 kVA	66 kVA	89kVA	111 kVA
Main tension* Tension de reseau*	3x400V +6% -10% / PE				
Main current Courant de reseau	26/41 A	58 A	87 A	116 A	145 A
Frequency-Frequence	50 / 60 Hz				
Cosinus phi	0.95				
Fuses-Fusibles	32/63 A	100 A	125 A	160 A	200 A
<b>COOLING WATER / REFROIDISSEMENT</b>					
Power supply Alimentation	10l / min.	12l / min.	12l / min	15l / min	15l / min
External circuit Circuit exterieur	5l / min	5l / min	5l / min	5l / min	5l / min
Inductor-Inducteur	Depending upon the inductor				
Input pressure Pression de rentree	< 6 bar				
Pressure difference Difference pression	> 3,5 bar				
Temperature Temperature	18°C – 25 °C				
<b>DIMENSIONS ( WxHxD ) / DIMENSIONS ( LxHxP )</b>					
Power supply Alimentation	600x900x600 600x1100x600	600x1100x600	600x1100x600	600x1600x600	600x1600x600
External circuit Circuit exterieur	220x226x330	300x300x350	300x300x350	300x300x350	300x300x350
<b>WEIGHTS / POIDS</b>					
Power supply Alimentation	300 kg	300 kg	360 kg	560 kg	580 kg
External circuit Circuit exterieur	15 kg	15 kg	15 kg	15 kg	15 kg

\* Other tensions available / Autres tensions sur demande

Model / Modele	MU-125	MU-150	MU-175	MU-200	MU-250
<b>OUTPUT / SORTIE</b>					
HF-Power Puissance HF	125 kW	150 kW	175 kW	200 kW	250 kW
Frequency Frequence	4-8 kHz		8-35 kHz	20-50 kHz	
<b>INPUT / ENTREE</b>					
Main power Puissance de reseau	140 kVA	168 kVA	196 kVA	224 kVA	280 kVA
Main tension* Tension de reseau*	3x400V +6% -10% / PE				
Main current Courant de reseau	200 A	240 A	280 A	320 A	400 A
Frequency-Frequence	50 / 60 Hz				
Cosinus phi	0.95				
Fuses-Fusibles	250 A	300 A	350 A	400 A	450 A
<b>COOLING WATER / REFROIDISSEMENT</b>					
Converter Onduleur	12l / min.	15l / min.	15l / min	18l / min	20l / min
External circuit Circuit exterieur	5l / min	5l / min	5l / min	5l / min	5l / min
Inductor-Inducteur	Depending upon the inductor				
Input pressure Pression de rentree	< 6 bar				
Pressure difference Difference pression	> 3,5 bar				
Temperature Temperature	18°C – 25 °C				
<b>DIMENSIONS ( WxHxD ) / DIMENSIONS ( LxHxP )</b>					
Converter Onduleur	1200x2200x800	1200x2200x800	1200x2200x800	1200x2200x800	1200x2200x800
External circuit Circuit exterieur	300x300x350	300x300x350	300x300x350	300x300x350	300x300x350
<b>WEIGHTS / POIDS</b>					
Converter Onduleur	700 kg	750 kg	750 kg	750 kg	750 kg
External circuit Circuit exterieur	15 kg	15 kg	15 kg	15 kg	15 kg

\* Other tensions available / Autres tensions sur demande

### Range of products

- HF Generators with Valves
- HF Converters
- Temperature regulators
- Water recooling plants

0,3 - 125 kW , 300 kHz - 27,12 MHz  
2 - 250 kW , 4 kHz - 1 MHz

