

HIMMELWERK

Induction. Heating. Solutions.



Converters for induction heating

MU series

25 kW - 250 kW

4 kHz - 50 kHz

MU series

Model	MU-25	MU-40	MU-60	MU-80	MU-100
Output					
HF-Power	25 kW	40 kW	60 kW	80 kW	100 kW
Frequency*	8-50 kHz			8-30 kHz	
Input					
Main power	28 kVA	44 kVA	67 kVA	89 kVA	111 kVA
Main voltage**	3x400V +/-10% / PE				
Main current	40 A	63 A	97 A	128 A	160 A
Frequency	50 / 60 Hz				
Cosinus phi	0.9				
Fuses	63 A	100 A	125 A	160 A	200 A
Cooling Water					
Power supply	10l / min	12l / min	12l / min	15l / min	15l / min
External circuit	5l / min	5l / min	5l / min	5l / min	5l / min
Inductor	Depending on application				
Input pressure	< 6 bar				
Pressure difference	> 3,5 bar				
Temperature	18°C – 25 °C				
Dimensions (WxHxD) in mm					
Power supply	600x1100x600	600x1100x600	600x1600x600	600x1600x600	600x1600x600
External circuit	220x226x330	300x311x350	300x311x350	300x311x350	300x311x350
Weights					
Power supply	260 kg	290 kg	330 kg	340 kg	350 kg
External circuit	13 kg	15 kg	15 kg	15 kg	15 kg

* Other frequencies available on request

** Other tensions available

MU series

Model	MU-125	MU-150	MU-175	MU-200	MU-250
Output					
HF-Power	125 kW	150 kW	175 kW	200 kW	250 kW
Frequency	8-20 kHz				
Input					
Main power	139 kVA	167 kVA	194 kVA	222 kVA	278 kVA
Main voltage*	3x400V +/-10% / PE				
Main current	200 A	241 A	280 A	320 A	401 A
Frequency	50 / 60 Hz				
Cosinus phi	0.95				
Fuses	250 A	300 A	350 A	400 A	450 A
Cooling Water					
Power supply	15l / min	15l / min	15l / min	18l / min	20l / min
External circuit	5l / min	5l / min	5l / min	5l / min	5l / min
Inductor	Depending on application				
Input pressure	< 6 bar				
Pressure difference	> 3,5 bar				
Temperature	18°C – 25 °C				
Dimensions (WxHxD) in mm					
Converter	1200x2200 x800	1200x2200 x800	1200x2200 x800	1200x2200 x800	1200x2200 x800
External circuit	300x311x350	300x311x350	300x311x350	300x311x350	300x311x350
Weights					
Converter	600 kg	630 kg	720 kg	730 kg	750 kg
External circuit	15 kg	15 kg	15 kg	15 kg	15 kg

* Other tensions available

Advantages

- High efficiency
- High reliability
- Reproducibility of all parameters
- Selective heating
- Designed for 100% duty cycle
- Easy integration in production processes
- Immediate readiness
- High cost effectiveness
- No need for demineralized cooling water

Flexibility

- Large spectrum of applications
- Free programming
- External heating head with compact design
- Optional second switchable heating head (depending on converter type)
- Connection with flexible cables
- Interface for external control
- Profibus, Profinet optional
- Other interfaces on request
- Optional connection with pyrometer

Applications

- brazing
- soldering
- hardening
- shrinkage
- pre-heating
- annealing
- smelting
- drying
- tempering
- forging
- sintering
- sealing

