

SERIES HUS

CONVERTERS FOR INDUCTIVE HEATING

High-frequency converters
25 - 250 kW / 50 - 600 kHz



HIMMELWERK
Leading Induction

HU S series

Model	HU S-25	HU S-40	HU S-50	HU S-75	HU S-100
Output					
HF-Power	25 kW	40 kW	50 kW	75 kW	100 kW
Frequency	50-150 kHz / 100-300 kHz / 200-600 kHz				
Input					
Mains power	26 kVA	42 kVA	53 kVA	79 kVA	105 kVA
Mains voltage*	3x400V +/-10% / PE electively 3x480V				
Mains current	37 A	61 A	76 A	114 A	152 A
Frequency	50 / 60 Hz				
Cosinus phi	0,9				
Fuses	63 A	100 A	125 A	160 A	200 A
Cooling Water					
Converter	10l / min	12l / min	12l / min	15l / min	15l / min
Outer 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	600x1100x600	600x1100x600	600x1100x600	600x1100x600	600x1100x600
Outer circuit**	220x226x330	300x311x350	300x311x350	300x311x350	300x311x350
Weight					
Converter	300 kg	310 kg	320 kg	360 kg	390 kg
Outer circuit**	13 kg	15 kg	15 kg	15 kg	15 kg

*Other voltages on request
**Different configurations on request

HU S series

Model	HU S-125	HU S-150	HU S-175	HU S-200	HU S-250
Output					
HF-Power	125 kW	150 kW	175 kW	200 kW	250 kW
Frequency	50-150 kHz / 100-300 kHz / 200-600 kHz				
Input					
Mains power	131 kVA	157 kVA	184 kVA	210 kVA	263 kVA
Mains voltage*	3x400V +/-10% / PE electively 3x480V				
Mains current	189 A	228 A	266 A	303 A	380 A
Frequency	50 / 60 Hz				
Cosinus phi	0,95				
Fuses	250 A	300 A	350 A	400 A	450 A
Cooling Water					
Converter	15l / min	15l / min	15l / min	18l / min	20l / min
Outer 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	1200x2200x800	1200x2200x800	1200x2200x800	1200x2200x800	1200x2200x800
Outer circuit**	300x311x350	300x311x350	300x311x350	300x311x350	300x311x350
Weight					
Converter	630 kg	680 kg	750 kg	760 kg	800 kg
Outer circuit**	15 kg	15 kg	15 kg	15 kg	15 kg

*Other voltages on request
**Different configurations on request

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
- Connection with flexible cables
- Interface for external control
- Profibus, Profinet optional
- Other interface options on request
- Optional connection with pyrometer

Applications

- Brazing and Soldering
- Hardening / Tempering
- Joining
- Forging
- Pre-Heating
- Annealing
- Sealing
- Smelting
- Drying
- Baking
- Recycling
- Special Solutions

