Product Group:	**Heat Treatment Unit**
Type:	**VAI- Series**
Revision:	04-2025
Order No.:	see technical data
http://www.weldotherm.com	

The VAI Induction machine is ideal suitable to heat up metallic masses such as pipes or welding joints within seconds.

The attendance time for personal (e.g. welders) can reduced to a minimum.

The inductors can be adjusted according to the load and the application to achieve the best possible performance.

The VAI- Induction machine could be run in air- cooled or water- cooled mode.

The integrated programmable controller is guaranteeing the exact processing of your temperature profile.

Process values and possible error messages displayed as clear text.

The picture will show our VAI 80 induction machine.

Technical Data	**VAI 40**		**VAI 80**		**VAI 160**
Power at 100% duty cycle	40kVA		80kVA		160kVA
Induction loops / Control zones	1				
Connection values primary side Voltage / Current / Frequency	400 / 460 VAC 63A 50-60 Hz		400 / 460 VAC 125A 50-60 Hz		400 / 460 VAC 250A 50-60 Hz
Connection cables primary side Length / Cross-section / Plug	NSSHÖU 5m / 4 x 16mm² CEE63		NSSHÖU 5m / 4 x 25mm² CEE125		NSSHÖU 5m / 4x70mm² Without plug, pre-assembled for permanent connection
Connection values secondary side Voltage / Current / Frequency	700VAC / 600A 4…10 kHz		1000VAC / 650A 4….10 kHz		1000VAC / 900A 4….8 kHz
Type of cooling	Air	Water	Air	Water	Air
Weight in kg	219	239	279	330	370
Dimensions Height (mm) Width (mm) Depth (mm)	1500 560 750	1690 560 750	1500 560 750	1690 560 750	1690 750 970
Program controller	TC1000 VAI				
Temperature detection (external)	4 x Typ K (NiCr-Ni)				
Input jacks temperature sensor	standard compensating jacks				
Control range	0….1200°C				
Protection class	IP 21				
Environmental conditions	-20…+40 °C , 90% rF, non-condensed				
Forced ventilated housing	yes				
Sound emission	< 70 dB				
Accessories (Standard)	Manual (printed), 1 Set of power cables (7,5m)				
Order no.	102600	102700	102601	102701	102602
Accessories (Option)	Paper chart recorder or Screen recorder Wired remote control / LAN remote control Primary supply 500VAC, 50-60Hz Power cables up to 15m length				

Reserve technical changes.