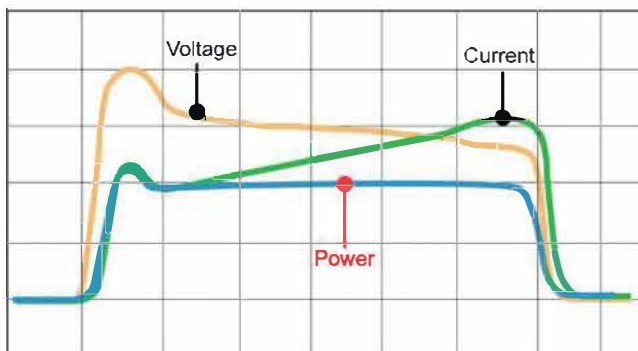
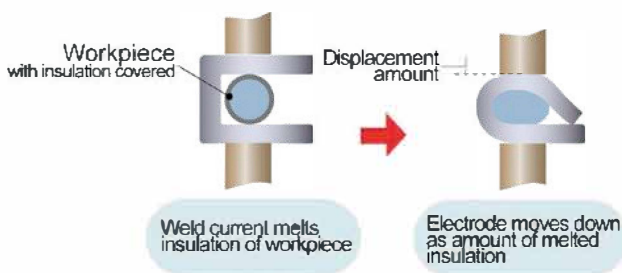




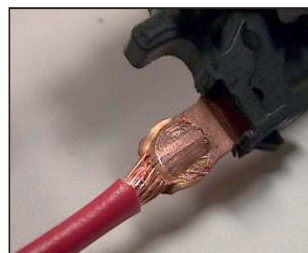
Power Supply IS-120B

DC Inverter-Controlled

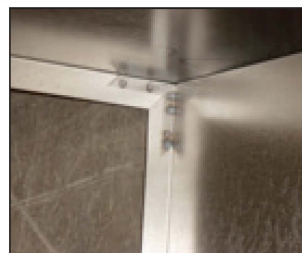
- Small footprint and forced air-cooling system with high duty cycle
- Six control systems to choose from: Primary constant current RMS / Primary constant voltage RMS
- Secondary constant current RMS / Primary constant current peak value
- Secondary constant voltage RMS / Constant phase
- Weld to displacement function: When a weld displacement reaches a certain level the weld current can be interrupted. This generates a stable result. For this feature, the IS-120B needs to be connected with a weld checker such as MM-370B or MG3.
- Three monitoring items: The power, the current and the voltage can be monitored with MA-627.
- Constant power control for quality control:
 - This feature detects resistance fluctuation while welding. The feedback control keeps the power ($P=U \times I$) stable. It provides stable weld quality independent from voltage fluctuations or workpiece resistance. Furthermore, this feature helps applying a certain amount of power welding without splashing
- Four kinds of safety features: Over-current detection, no-power and no-voltage detection, temperature control, failure detection and self-diagnosis.



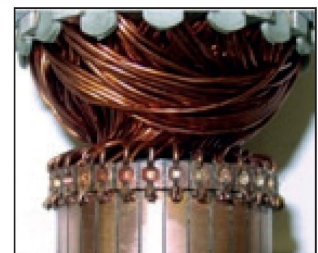
TYPICAL APPLICATIONS



Electronic components



Fixation



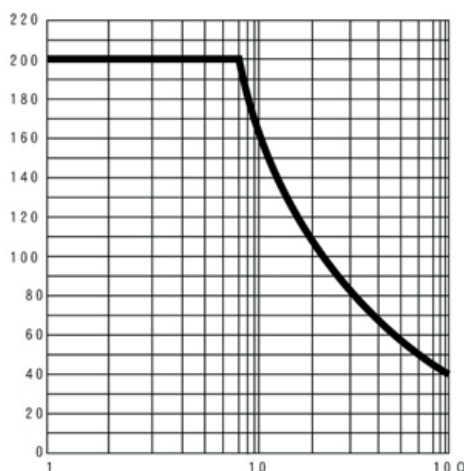
Automotive

TECHNICAL SPECIFICATIONS

Model	IS-120B	
Power source	Three phase, 220/240/380/400/440/480 VAC +10% -15%, 50/60 Hz	
Output frequency	1 kHz, 800 Hz, 600 Hz (Selectable)	
Maximum output current	200 A (@8% duty cycle)	
Control systems	Primary constant current (RMS and PEAK),	
Secondary constant current,		
Constant power, constant power, constant phase		
Number of weld schedules	15 (Option: 6/3)	
Time settings	Squeeze delay	0000 to 9999 ms
	Squeeze	0000 to 9999 ms
	Weld 1, 2	000 to 600 ms
	Up slope	000 to 400 ms
	Down slope	
	Cooling time	000 to 999 ms
	Hold	
	Off	0010 to 999 ms
Impulses	1 to 9	
Constant current setting	0.1 to 20.0 kA	
Constant power setting	0.1 to 20.0 kW	
Voltage setting	0.10 to 9.99 V	
Fixed pulse setting	10.0 to 99.9 %	
Cooling method	Forced cooling	
Communication	RS485 optional	

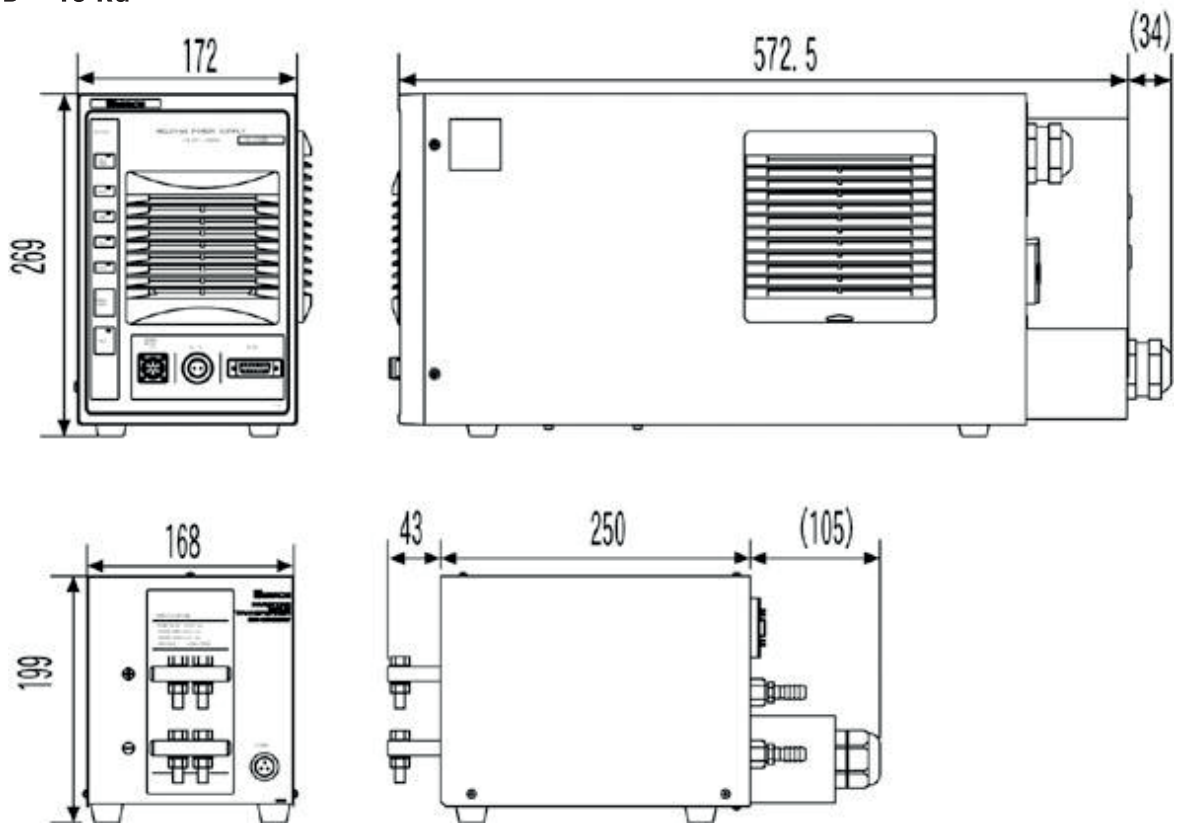
Model	IT-60X	IT-930A
Rated capacity	60 kVA	40 kVA
Rated primary voltage	530 V	
Secondary voltage, no load	9.9 V	5.8 V
Maximum weld current	33 kA	
Cooling method	Water cooling	
Input frequency	1 kHz	
Dimensions	186 W x 506D x 269H mm	
Weight	15 kg	

DUTY CYCLE: OUTPUT CURRENT CHARACTERISTIC (IS-120B)

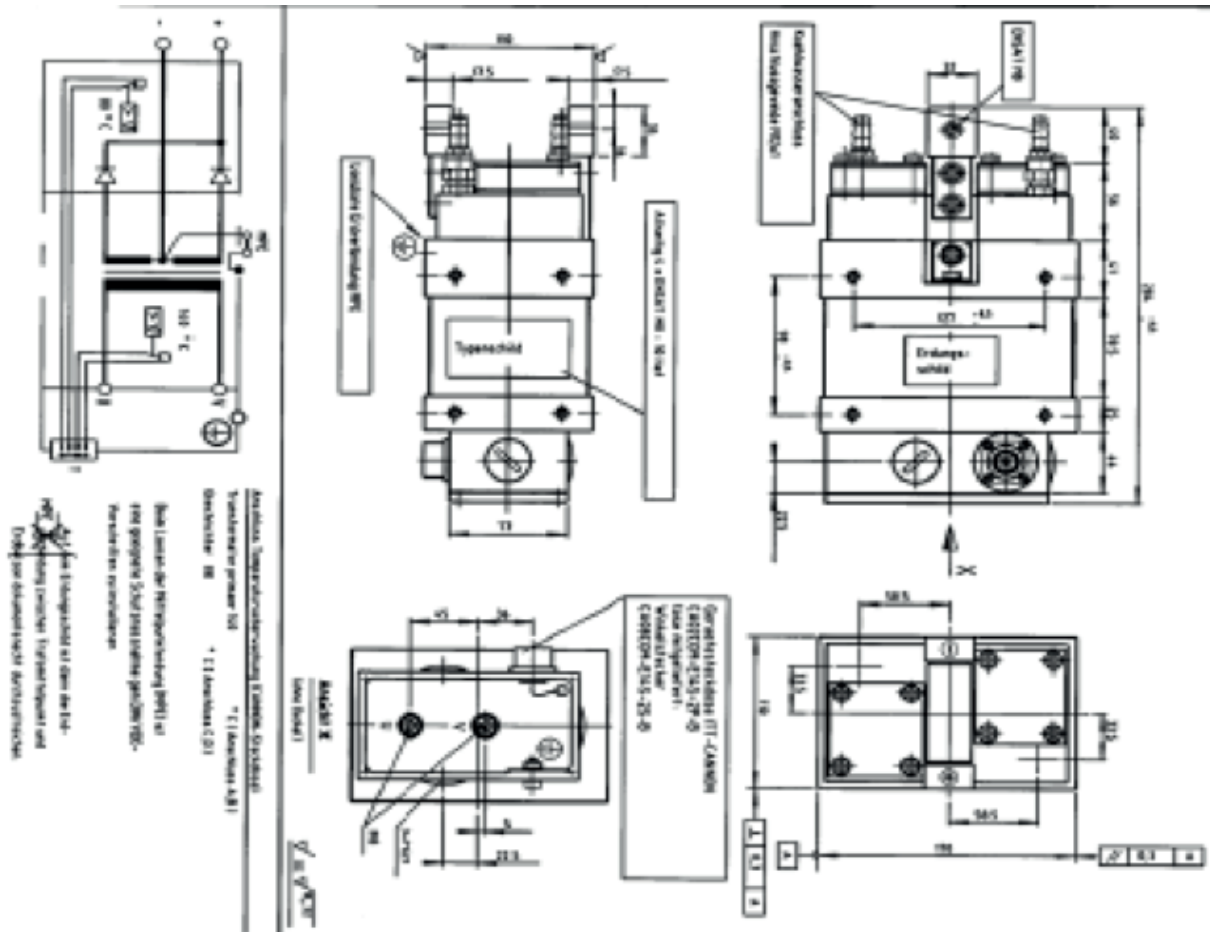


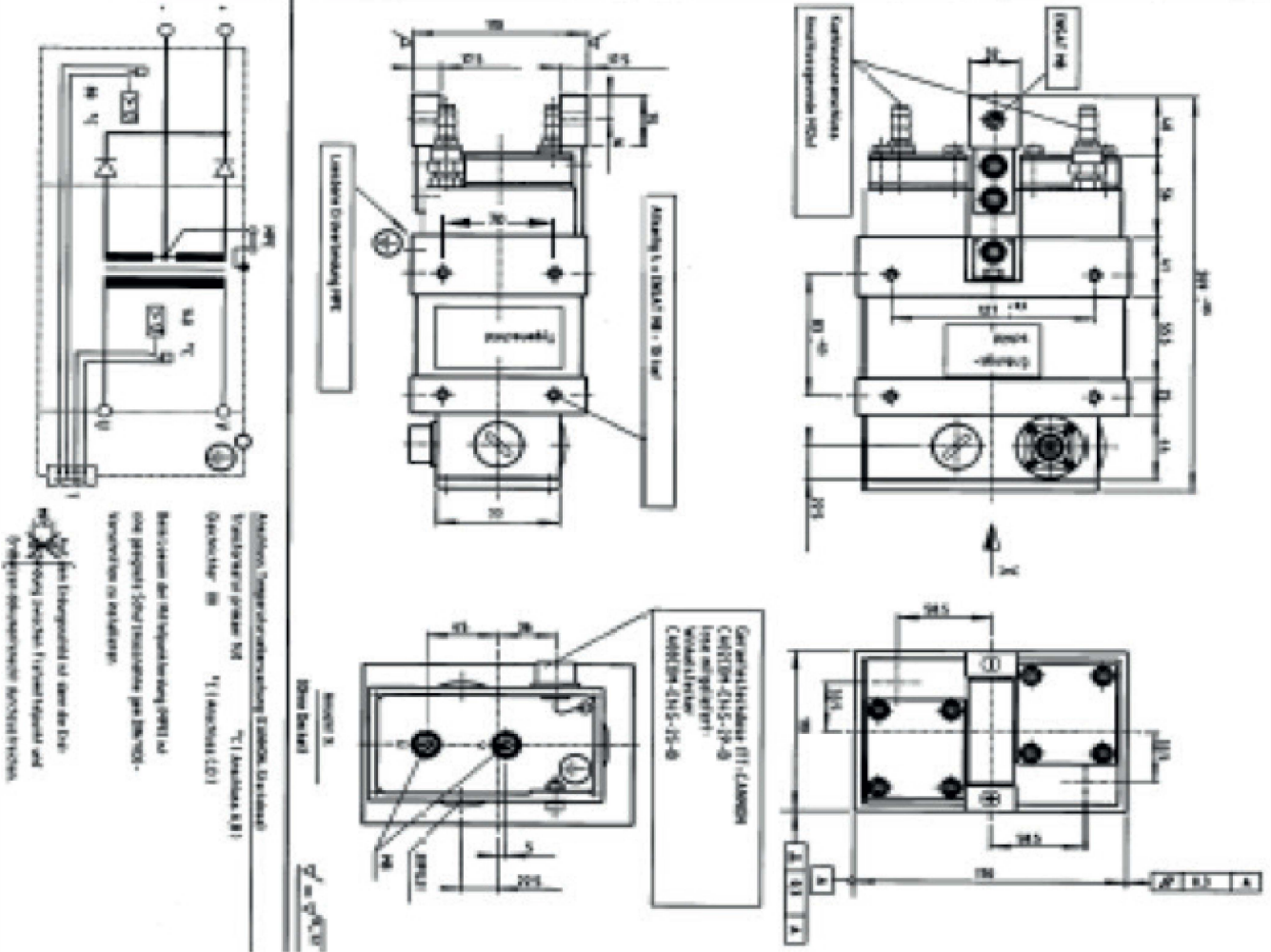
DRAWINGS

IS-120B = 15 KG



IT-60 X = 16 KG





Attention: Umgekehrte Anschluss- und Phasenfolge sind nicht zulässig!
 Die Phasefolge ist an der Innenseite des Motors zu prüfen!
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