

KempArc SYN 500 Power source



OVERVIEW

Synergic MIG/MAG welding automation system, especially well-suited for cost-effective retrofit cases and heavy duty applications. KempArc SYN 500 is available in digital and analogue (AN) models for integration with different robotic control systems.

TECHNICAL SPECIFICATIONS

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Product code	KempArc SYN 500 (digital) - 6201500 KempArc SYN 500 (analogue) - 6201500AN
Connection voltage 3~ 50/60 Hz	400 V -15...+20%
Fuse (delayed)	35 A
Minimum generator power	27kVA (60%) 20kVA (100%)
Welding range	10 ... 42 V
Open circuit voltage	50 V
Rated power 60% ED	26,1 kVA
Rated power 100% ED	20,3 kVA
Primary current 50% ED I1max	40,0 A
Primary current 100% ED I1	31,0 A
Connection cable size	6 mm ²
Idle power (no load power)	25 W
Efficiency	87%
Power factor	0,9
Voltage supply for auxiliary devices	50 V
Auxiliary device supply fuse (X14, X15)	6, 3 A delayed
Voltage supply for the cooling device	1-ph 400 VAC/250 VA

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Max. welding voltage	46 V
Max. output current	430 A (100 %) 500 A (60 %)
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 500 mm
Weight (no accessories)	37 kg
Degree of protection	IP23C
EMC class	A
Storage temperature range	-40 ... +60 °C