

# KempArc Pulse



## BENEFITS

- Robot interface integrated in the power source
- Compatible with Kemppi Wise welding functions and processes
- Fast fieldbus-based communication guarantees integration with all common robot brands
- Available in digital and analogue models for varied integration possibilities
- Compact and lightweight wire drive mechanism
- Remote control options bring flexibility

## TECHNICAL SPECIFICATIONS

	<b>KempArc Pulse 350 Power source</b>	<b>KempArc Pulse 450 Power source</b>
Product code	KempArc Pulse 350 (digital) - 6200350	KempArc Pulse 450 (digital) - 6200450 KempArc Pulse 450 (analogue) - 6200450AN
Connection voltage 3~ 50/60 Hz	400 V -15...+20%	400 V -15...+20%
Fuse (delayed)	25 A	35 A
Minimum generator power	35 kVA	35 kVA
Welding range	10 ... 50 V	10 ... 50 V
Open circuit voltage	50 V	50 V
Rated power 60% ED		221,1 kVA
Rated power 80% ED	16,0 kVA	
Rated power 100% ED	15,3 kVA	17,8 kVA
Idle power (no load power)	100 W	100 W
Efficiency	88 %	88 %
Power factor	0,85	0,90
Voltage supply for auxiliary devices	50 V / 100 W	50 V / 100 W
Auxiliary device supply fuse (X14, X15)	6, 3 A delayed	6, 3 A delayed
Voltage supply for the cooling device	24 VDC / 50 W	24 VDC / 50 W
Max. output current	350 A (80 %)	450 A (60 %)
Operating temperature range	-20 ... +40 °C	-20 ... +40 °C
External dimensions LxWxH	590 × 230 × 430 mm	590 × 230 × 430 mm
Weight (no accessories)	36 kg	37 kg
Degree of protection	IP23S	IP23S
EMC class	A	A
Storage temperature range	-40 ... +60 °C	-40 ... +60 °C

	<b>DT400 Wire feeder</b>	<b>DT410 Wire feeder</b>
Product code	6203400 / 6203400L	6203410
Rated power	100 W	100 W
Filler wires	0.8...1.6 mm	0.8...1.6 mm
Wire feed speed	0...25 m/min	0...25 m/min
Operating voltage	50 VDC	50 VDC
Operating temperature range	-20...+40°C	-20...+40°C
Degree of protection	n IP23S	n IP23S
External dimensions	269 x 175 x 169 mm	269 x 175 x 169 mm
EMC class	A	A
Weight	4.5 kg	4.5 kg
Loadability	40°C 100%ED 500 A	40°C 100%ED 500 A
Welding gun connector	Euro	PowerPin

**KempCool 10**

Product code	6208100 Cooling liquid - 10 liter can - SP9810765
Connection voltage 3~ 50/60 Hz	400 V -15...+20%
Rated power	250 W (100 %)
Rated power 100% ED	250 W
Cooling liquid	20 - 40% Monopropylenglycol - water
Max. pressure at output	0,4 MPa
Operating temperature range	-20 ... +40 °C
External dimensions LxWxH	570 × 230 × 280 mm
Weight (no accessories)	11 kg
Degree of protection	IP23S
EMC class	A
Cooler tank volume	3 l
Cooling power	1 kW
Storage temperature range	-40 ... +60 °C

**Welding gun cleaning station**

Product code	SP600674 Equipped with wire cutter, gas nozzle inside reamer and anti-spatter spray unit; order code includes reamer setup for both gas and water cooled nozzles.
Operating voltage	10 to 30 V DC
Weight	22 kg
Nominal pressure	6 bar 88 psi
Nominal flow	Approx. 500 l/min
Operating pressure	6 – 8 bar / 88 - 116 psi
Nominal rotational speed	800 rpm
Max. Wire size	1.6mm (by 6 bar 7 88 psi air pressure)
Ambient temperature	+5° to +50°C
Protection	IP 21

**Welding gun cleaning station**

5/2 way valves	
Rated voltage	24 V DC
Power consumption	4.5 W (EACU)
Permitted residual ripple	$V_{pp} < 10\%$
Continuous current	Max. 200 mA
Current consumption	approx. 4 mA (24 V)
Voltage drop	approx 1.2 V (200 mA)