

KempArc Pulse TCS



BENEFITS

- Increases productivity between 40-80% over single wire process
- Easy process setting and parameter control
- Fast and flexible parameter adjustment
- Optimized, independent and real time arc length adjustment
- No system arc interference
- Four process options available (variations of Pulse/Spray arc combinations)
- Optional ON/OFF switching of either electrode during the weld cycle
- Suitable for steel and aluminum applications
- Reduced heat input on thin sheet materials
- Can be used for single-wire welding with either the first or second wire
- Reliable 4-roll DuraTorque wire feeding mechanism and full metal feed rolls with excellent wear resistance in both wire feeders
- Connects to all common robot brands

TECHNICAL SPECIFICATIONS

KempArc Pulse TCS

Product code	KempArc Pulse TCS package DeviceNet - P161
Connection voltage 3~ 50/60 Hz	400 V -15...+20%
Fuse (delayed)	35 A
Minimum generator power	35 kVA
Welding range	10 ... 50 V
Open circuit voltage	50 V
Rated power 60% ED	221,1 kVA
Rated power 100% ED	17,8 kVA
Idle power (no load power)	100 W
Efficiency	88 %
Power factor	0,90
Voltage supply for auxiliary devices	50 V / 100 W
Auxiliary device supply fuse (X14, X15)	6, 3 A delayed
Voltage supply for the cooling device	24 VDC / 50 W
Max. output current	380 A (100 %) 450 A (60 %)
External dimensions LxWxH	590 × 230 × 430 mm
Weight (no accessories)	36 kg
Degree of protection	IP23S

KempArc Pulse TCS

EMC class	A
Operating temperature range	-20 ... +40 °C
Storage temperature range	-40 ... +60 °C

Product code

DT400 Wire feeder

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

DT400L Wire feeder

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

Product code

Product code

Product code

KempCool 40

Product code	6208400
--------------	---------

KempCool 40

Connection voltage 1~ 50/60 Hz	230 V \pm 10 %
Rated power	300 W (10 %)
Rated power 100% ED	300 W
Cooling liquid	20 - 40% Monopropylenglycol - water
Max. pressure at output	0,35 MPa
External dimensions LxWxH	700 × 600 × 600 mm
Weight (no accessories)	40 kg
Degree of protection	IP23S
EMC class	A
Cooler tank volume	8 l
Cooling power	4 kW
Operating temperature range	-20 ... +40 °C
Storage temperature range	-40 ... +60 °C

Product code