

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

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|---|--|
| 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 | 450 A (60 %) |
| Operating temperature range | -20 ... +40 °C |
| External dimensions LxWxH | 590 × 230 × 430 mm |
| Weight (no accessories) | 36 kg |
| Degree of protection | IP23S |

KempArc Pulse TCS

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

DT400 Wire feeder

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

DT400L Wire feeder

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

KempCool 40

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|--------------------------------|-------------------------------------|
| Product code | 6208400 |
| Connection voltage 1~ 50/60 Hz | 230 V ±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 |
| Operating temperature range | -20 ... +40 °C |
| External dimensions LxWxH | 700 × 600 × 600 mm |
| Weight (no accessories) | 40 kg |

KempCool 40

| | |
|---------------------------|----------------|
| Degree of protection | IP23S |
| EMC class | A |
| Cooler tank volume | 8 l |
| Cooling power | 4 kW |
| Storage temperature range | -40 ... +60 °C |