

COOLTIG 220

Pulsed AC/DC TIG welding machine with Wide Voltage Adaption™ technology



TIG



STICK

CoolTig220 package order no: **WMT05000**

Powered by state of art 35K IGBT technology, WeldKing® **CoolTig220** is a great TIG welding machine for steel, stainless steel and aluminum, Weighting less than 29 pounds (13Kg), the unit generates up to 220A output with 25% duty cycle, meanwhile delivers exceptional stable, focus arc at as low as 10A.



Wide Voltage Adaption™ (WVA) multi-input voltage regulation technology where the solid state circuit replaces contactor, allows CoolTig220 to tolerant input voltage variation from **90V to 460V** seamlessly.

High Frequency start provides non-contact arc starting that eliminates tungsten material contamination.

0.5-20Hz **pulse** provides excellent high speed performance on thin material.

Squarewave AC frequency is variable from 60Hz to 160Hz, allows precise control of the arc in aluminum welding.

60%-90% **AC balance** provides unmatched oxide removal capability.

Process:

- ▽ AC/DC pulsed TIG (P-GTAW)
- ▽ DC STICK (SMAW)

Applications:

- ▽ Light fabrication
- ▽ Home & Hobby
- ▽ Motorsports
- ▽ Automotive
- ▽ Farms & Ranches
- ▽ Boats and trailers
- ▽ School & Training facility
- ▽ Maintenance & Repairs

Quick specification

| Input power | Amp range | Duty cycle @ rated output | Input current @ maximum output | Max OCV | Dimension | Weight |
|---------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|----------------------------------|---------------|
| AC115V 1ph 60Hz | TIG: 10-125A STICK: 10-90A | TIG: 25% @125A/15V 60% @85A/13.4V 100% @63A/12.6V STICK: 25% @ 90A/23.6V 60% @60A/22.4V 100% @45A/21.8V | TIG: 23.9 A STICK: 25.4 A | TIG: 86V STICK: 57V | 18x7.55x12.2 in (46x19x31 cm) | 28.7LB (13KG) |
| AC 208V/230V 1ph, 60Hz | TIG: 10-220A STICK: 10-170A | TIG: 25% @220A/18.8V 60% @145A/15.8V 100% @110A/14.4V STICK: 25% @170A/26.8V 60% @110A/24.4V 100% @85A/23.4V | TIG: 24.5 A STICK: 24.4 A | | | |

Standard unit includes

- ▽ 1pc: CoolTig220 power source with 10 ft (3m) power cord and NEMA 6-50P 230V plug.
- ▽ 1pc: WeldKing® PRO17 TIG torch, 12.5 ft (4M) with on/off switch, 17 style consumables (Order No. **WAT31100**)
- ▽ 1pc accessories kit include 1 each short back cap. collet body 1/8" (3.2mm), 3/32" (2.4mm), 1/16" (1.6mm). collet 1/8" (3.2mm), 3/32" (2.4mm), 1/16" (1.6mm). nozzle alumina No5, No.6, No7. tungsten electrode 1/8" (3.2mm), 3/32" (2.4 mm) , 1/16" (1.6mm) Thoriated type (red band).
- ▽ 1pc: Argon regulator / gauge (Order No. **07000510**)
- ▽ 1pc: Adapter Cable 2FT, NEMA 6-50R 230V-5-20P 120V. (Order No. **07001825**)
- ▽ 1pc: 300 Amp ground clamp with 10ft (3 M) lead. (Order No. **07000462**)
- ▽ 1pc: Owner's manual (Order No. **WDT90100**)

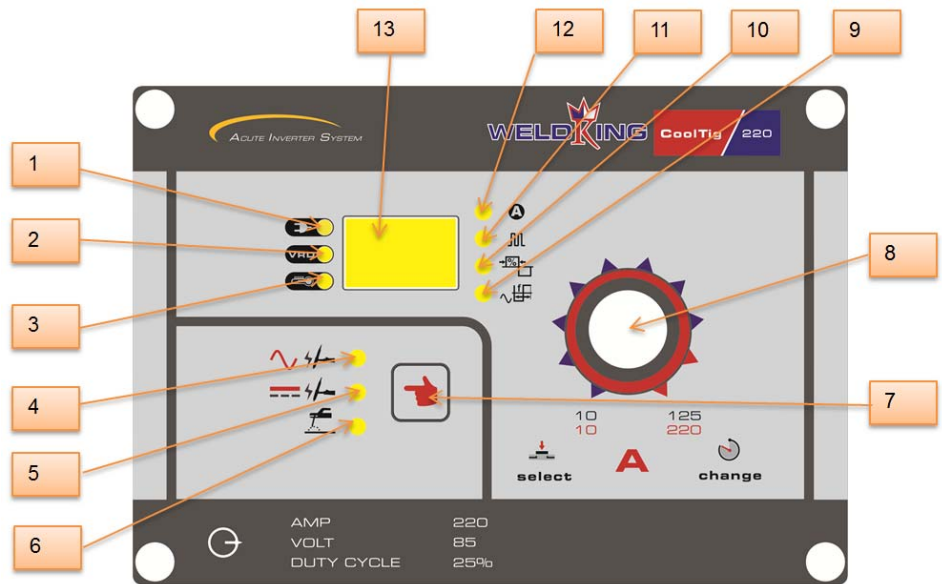


Manufactured at



Certified Facility

Control configuration



- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 1. Power indication light 2. VRD indication light 3. Protection indication light 4. AC TIG with HF 5. DC TIG with HF 6. DC STICK 7. Welding process selection button 8. Parameters adjust knob | <ul style="list-style-type: none"> 9. AC frequency (60-160Hz) 10. AC balance (60%-90%) 11. Pulse on/off and frequency (0-20Hz) 12. Current pre-set 13. Current & parameter value (digital) |
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Accessories



WeldKing® PRO17 TIG torch features include soft grips, knuckle joints and "plug & play" switch.

Order No. **WAT31100**

on-off switch kit (standard for PRO17/26 torch)

Order No. **WAT32105**

on-off switch + 10K potentiometer kit

Order No. **WAT32106**

3 Button on-off switch + current adjust kit

Order No. **WAT32108**

on-off switch with lever kit

Order No. **WAT32107**

Blank kit(No Trigger)

Order No. **WAT32109**

WeldKing® FC25-HD foot paddle with on-off switch and remote current control, 26 ft (8M) cable and 12-pin Amphenol plug.

Order No. **07002510**

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