Syncrowave® 300 and 400

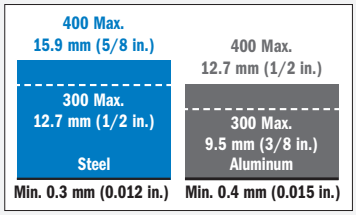
AC/DC TIG and Stick

See literature AD/4.25 (300) and AD/4.28 (400)

Syncrowave 300 machine only

Syncrowave 400 TIGRunner

TIG Welding Capability



WIRELESS REMOTE COMPATIBLE

Auto-Link® circuit automatically links the power source to primary voltage being applied (208/240/480 V, single- or three-phase).

AC balance control features adjustable cleaning action while increasing arc stability on various aluminum alloys, and helps eliminate tungsten spitting and arc rectification.

Blue Lightning™ high-frequency (HF) arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability compared to traditional HF arc starters.

Lift-Arc™ provides AC or DC arc initiation without the use of high frequency.

Auto-postflow adjusts the length of postflow time based on the amperage setting, shielding your tungsten and eliminating the need to set the postflow time.

Pro-Set™ eliminates the guesswork when setting weld parameters. Use Pro-Set when you want the speed, convenience and confidence of preset controls.

Arc timer/cycle counter records actual welding time and number of arc starts. Great for estimating job costs.

Line voltage compensation keeps power source constant regardless of fluctuations in input power (±10 percent).

Coolmate™ **3S cooler** (shown in TIGRunner). Three-gallon cooling system features a flow indicator to visually indicate system is working and an external filter to stop objects from entering the water-cooled torch cable.

Industrial ● CC AC/DC 3 Phase 1 Phase

Processes

- TIG (GTAW) • Stick (SMAW)
- DC pulsed TIG (GTAW-P)

Comes with

- 3 m (10 ft.) power cord (no plug)
- Two 50 mm Dinse-style connectors

Most popular accessories

- Coolant 043810

- **Weldcraft**™ **Water-Cooled Torch Kits**
  - 300990 W-280 (WP-280)
  - 301268 W-375
- Remote Controls
  - 043688 RCCS-14 fingertip control
  - 194744 RFCS-14 HD foot control
  - 301580 Wireless foot control

[1] *For Syncrowave 400 refer to owner's manual for 208 V output rating and duty cycle.*
[2] *Sense voltage for low OCV stick and Lift-Arc™ TIG.*
[3] *See literature AD/4.25 and AD/4.28 for Complete package dimensions and weight.*

AC/DC

Model/Stock Number	Welding Process	Input Power	Welding Amp Range	Rated Output[1]	Amps Input at Rated Output, 50/60 Hz 208 V	240 V	380 V	400 V	480 V	KVA	KW	Max. Open-Circuit Voltage	Power Source Dimensions[3]	Power Source Net Weight[3]
Syncrowave 300 **(907782)** Power source only **(907782001)** TIGRunner **(907782002)** 380/400 V Power source only, **CE** **(907782003)** TIGRunner 380/400 V 50/60 Hz Power source/ Water cooler & Running gear, **CE**	TIG (includes cooler power draw)	3-phase	5–300	210 A at 18.4 V, 60% duty cycle	16	14	8.2	7.9	7	5.9	5.5	60 VDC (13 VDC[2])	H: 746 mm (29.4 in.) W: 381 mm (15 in.) D: 625 mm (24.6 in.)	45.8 kg (101 lb.)
		1-phase			27	24	–	–	12	5.7	5.5			
	Stick	3-phase	5–230	160 A at 26.4 V, 60% duty cycle	16	11	8.7	8.2	5	5.7	5.5			
		1-phase			27	23	–	–	11	5.7	5.5			
Syncrowave 400 **(907783)** Power source only **(907783001)** TIGRunner **(907783002)** 380/400 V Power source only, **CE** **(907783003)** TIGRunner 380/400 V 50/60 Hz Power source/ Water cooler & Running gear, **CE**	TIG (includes cooler power draw)	3-phase	5–400	300 A at 22 V, 60% duty cycle	25	23	13.7	12.4	11	9.1	8.8	70 VDC (13 VDC[2])	H: 746 mm (29.4 in.) W: 381 mm (15 in.) D: 625 mm (24.6 in.)	59.4 kg (131 lb.)
		1-phase			43	42	–	–	20	9.7	8.9			
	Stick	3-phase	5–300	250 A at 30 V, 60% duty cycle	27	24	14.7	13.3	12	9.8	9.4			
		1-phase			47	43	–	–	21	10.4	9.5			