

INVERTEC® V276

WEATHER-RESISTANT STICK AND TIG WELDER



Shown:
K4868-2 Invertec® V276

The Invertec V276 stick and TIG power source is ideal for outdoor construction applications. This small package delivers outstanding performance on a wide range of electrode types and sizes. Plus it is built rugged enough to handle the toughest construction sites.

Processes »

Stick, TIG, Gouging

Applications »

Construction, Fabrication,
Maintenance, Repair

Output »



Input »



Product Numbers »

K4868-1 Invertec V276 - Tweco® Model

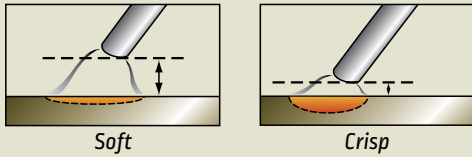
K4868-2 Invertec V276-Twist Mate® Model



Two Year Extended
Warranty Available in
the U.S.A. and Canada

KEY FEATURES

- **Outstanding AWS E6010 and E7018 performance** - using up to 7/32 in. [5.5 mm] diameter electrode that enables both whip and drag techniques for a variety of construction and fabrication applications.
- **Touch Start TIG®** - allows the welding arc to be established without high frequency starting.
- **Air carbon arc cutting and gouging** - with up to 3/16 in. [4.8 mm] diameter carbon electrode.
- **Selectable Hot Start** - turn it on for an extra boost of output to help you fire off and prevent sticking to the work piece.
- **Variable Arc Force** - dial in the “soft” or “crisp” arc you want.



- **All-in-one machine** - 208/220/230/380/400/415/440/460/575 – single or three phase input volt settings.
- **Digital meters** - Provides precise control of output settings

KEY CONTROLS

1. Amp/Volt Meter
2. Amps Control
3. Thermal Protection Indicator
4. Hot Start Control
5. Arc Force Knob
6. On/Off Switch
7. Negative and Positive Output Terminals
8. Remote Output Control Receptacle - 6-Pin
9. Mode Selection Switch (Stick/Touch Start TIG®)
10. Local/Remote Output Control



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RECOMMENDED ACCESSORIES

GENERAL OPTIONS



Tweco™ Style Plug (male)
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm²) cable.
Order K3416-70



Tweco™ Style Receptacle (female)
For connecting welding cable to output terminal receptacles. For 2/0-3/0 (70-95 mm²) cable.
Order K3417-70



TwistMate® Style Plug (male)
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm²) cable.
Order K1759-70



TwistMate® Style Receptacle (female)
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm²) cable.
Order K852-70



STICK OPTIONS

Accessory Kit
For stick welding. Includes 35 ft. (10.7 m) 2/0 electrode cable with lug, 30 ft. (9.1 m) 2/0 work cable with lugs, headshield, filter plate, cover plate, work clamp and electrode holder. 400 amp capacity.
Order K704



Accessory Kit
For stick welding. Includes 20 ft. (6.1 m) #6 electrode cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, headshield, work clamp, and electrode holder. 150 amp capacity.
Order K875



Remote Output Control
Consists of a control box with choice of two cable lengths. Permits remote adjustment of output. 6-pin connection.
Order K857 for 25 ft. (7.6 m) Order K857-1 for 100 ft. (30 m)

TIG OPTIONS



17V Air-Cooled TIG-Mate™ Starter Kit
Get everything you need for TIG welding in one complete easy-to-order kit packaged in its own portable carrying case. Includes: PTA-17V Ultra-Flex™ torch, parts kit, Harris flowmeter/regulator, 10 ft. (3.0 m) gas hose, and work clamp and cable.
Order K2265-1



Tweco™ Torch Adapter
Allows a one-cable TIG Torch to connect to the machine's Tweco® style output terminal.
Order K960-4



Foot Ampctrl™
Provides 25 ft. (7.6 m) of remote output control for TIG welding (6-pin plug connection).
Order K870



Hand Ampctrl™
Provides 25 ft. (7.6 m) of remote current control for TIG welding. (6-pin plug connection). Velcro straps secure torch.
Order K963-3 (One size fits all Pro-Torch™ TIG Torches.)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/Phase/Hz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
Invertec® V276 (Tweco®) ¹	K4868-1	*208/230/460/575/3/60	*275A/31V/35% 250A/30V/60% 200A/28V/100%	*/37/19/16 35/33/17/14 27/25/13/11	20-275	13.6 x 9.0 x 20.25 [345 x 229 x 514]	54.5 (24.7)
-or-	-or-	*208/*230/460/575/1/60	*275A/31V/35% 250A/30V/60% 200A/28V/100%	*/*/37/31 65/60/33/27 49/50/26/21			
Invertec® V276 (Twist Mate)	K4868-2	220/380/400/415/440/3/50	250A/30V/60% 200A/28V/100%	30/19/18/18/17 23/14/14/14/13			
		220/380/400/415/440/1/50	250A/30V/60% 200A/30V/60%	58/37/36/34/34 44/29/27/26/24			

*Rating not applicable for 208VAC three phase or 208/230VAC single phase.

For best welding results with Lincoln Electric® equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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