Invertec® V350 PRO

Processes
Stick, DC TIG, MIG, Pulsed(1), Flux-Cored, Gouging
(1) Advanced Process model only.

Product Number
K1728-5, K1728-6, K1728-7
K1728-13, K1728-12, K2437-2
See back for complete specs

Input Power
see chart on back

Input Current at Rated Output
see chart on back

Rated Output
350A/34V/60% Duty Cycle

Output Range
5-425A Max OCV: 80V DC

Weight/Dimensions (H x W x D)
81 lbs. (36.7 kg)
14.8 x 13.3 x 27.8 in.
(373 x 338 x 706 mm)

APPLICATIONS
▷ Metal Fabrication
▷ Construction
▷ Structural Fabrication
▷ Schools and Training Facilities
▷ Maintenance and Repair

FEATURES
▷ Exceptional Multi-Process Fabrication Welding
  • CC - Stick Soft
  • CC - Stick Crisp
  • DC TIG
  • CV - Wire – For MIG and Metal-Cored
  • CV - InnerShield® and OuterShield®
  • Flux-Cored
  • Arc Gouging – Accessible from All Modes – Plenty of power to handle a 5/16 in. (7.9 mm) carbon
▷ All input voltages and frequencies are both single and three phase rated - No output derating necessary on single phase.
▷ 5-425 amp output range - For all recommended processes from DC TIG to arc gouging.
▷ Input voltage from 208-575 and 50 and 60 Hz operation - One machine runs on virtually any input power supply.
▷ Touch Start TIG® - For contamination-free starts.
▷ Low power consumption for energy savings - 88% efficiency.
▷ Parallel two units - For 700A carbon arc gouging.
▷ Bright, large digital amp and volt meters are easy to monitor - Even in sunlight – and presettable for precise procedure control.
▷ Rugged skid and tube handles - For convenience and added protection.

RECOMMENDED FEEDERS
▷ LF-72
▷ LF-74
▷ LN-10
▷ DH-10
▷ LN-25 PRO
▷ LN-25 PRO Dual Power

ADVANCED PROCESS MODEL INCLUDES
▷ Pulsed MIG – Varies weld current to reduce warping and burnthrough on thin materials.
▷ Pulse-On-Pulse® – Controls arc length and heat input to achieve excellent appearance and penetration on aluminum.
▷ Power Mode® – Delivers a responsive arc when MIG welding to reduce spatter, improve bead wetting and control penetration. Great for thin steel, stainless, silicon bronze and nickel alloys.

Design Smart. Built Tough.
The multi-process Invertec® V350 PRO is an efficient, lightweight and portable choice for training, fabrication or construction applications. Available in Construction, Factory, Factory (Tweco®) and Advanced Process models, the versatile V350 PRO is ready for almost any welding job in shop or outdoor environments.
**KEY CONTROLS**

**Construction Model (K1728-5)**

Our lightest, most portable model at a value price for conventional MIG, cored, stick, arc gouging and non-remote output control DC TIG applications.

**Great For:**
- Construction, maintenance or shop welding.

**Compatible with:**
- LN-25 PRO model wire feeders.
- 6-pin and 14-pin MS-type connectors not included.

**Factory Model (K1728-6 with Twist Mate™ Cable Receptacles) (K1728-13 with Tweco® Cable Receptacles)**

- Adds full remote capabilities and auto-detect local/remote override control.
- Versatile multi-process machine for MIG, cored, stick, TIG and arc gouging applications.
- Optional Advanced Process Panel adds:
  - Pulsed MIG
  - Lincoln Electric Power Mode®
  - Lincoln Electric Pulse-on-Pulse®

**Great For:**
- Construction or large-scale production factory applications.

**Compatible with:**
- LF-72, LF-74, LN-10, DH-10, and LN-25 PRO wire feeders.
- 6-pin and 14-pin MS-type connectors.

**Advanced Process Model (K1728-7)**

- Standard Advanced Process Panel adds:
  - Pulsed MIG
  - Lincoln Electric Power Mode®
  - Lincoln Electric Pulse-on-Pulse®
- Standard full remote capabilities and auto-detect local/remote override control.
- Advanced multi-process machine for pulsed MIG, cored, stick, TIG and arc gouging applications.

**Great For:**
- High-end pulsed MIG applications.

**Compatible with:**
- LF-72, LF-74, LN-10, DH-10, and LN-25 PRO wire feeders.
- 6-pin and 14-pin MS-type connectors.

**Tweco®** is a registered trademark of Thermadyne Corporation.
Ready-Pak® Packages
Fully assembled and ready to weld—just add wire and gas.

V350 PRO Factory Model / LF-72 Heavy Duty Wire Feeder
(for non-pulsed MIG Welding)
Order K2437-2
• V350 PRO Factory Model
• LF-72 Heavy Duty Wire Feeder
• 15 ft. (4.5 m) Magnum® PRO 350 gun and cable assembly w/ .035-.045 in. (0.9-1.2 mm) liner.
• Work and Wire Feeder 2/0 Welding Cable Package
• Harris® Flowmeter Regulator and Hose
• Heavy Duty Inverter and Wire Feeder Cart

V350 PRO Inverter Racks
• An ideal system to group several inverter power sources in an industrial portable package. Entire system meets National Electric Code (NEC) Standards.
• Includes Invertec® V350 PRO Factory (Tweco®) Model (K1728-13). This special rack version has all the same features as the factory model with added IP23S rating for outdoor use and Tweco® cable receptacles.

Order:
K2667-1 4-Pack Inverter Rack with 4 Invertec® V350 PRO Factory (Tweco®) Power Sources
K2667-2 6-Pack Inverter Rack with 6 Invertec® V350 PRO Factory (Tweco®) Power Sources

RECOMMENDED ACCESSORIES

GENERAL OPTIONS
Advanced Process Panel
Includes Pulsed MIG, Pulse-On-Pulse® and Power Mode® capabilities. Alpha-numeric display for accurate setting. For V350-PRO Factory Model only.
Order K1763-1

Deluxe Adjustable Gas Regulator & Hose Kit
Accommodates CO2, Argon, or Argon-blend gas cylinders. Includes a cylinder pressure gauge, dual scale flow gauge and 4.3 ft. (1.3 m) gas hose.
Order K568-1

Work and Wire Feeder 2/0 Weld Cable Package
Includes Twist Mate™ connectors, work clamps, 15 ft. (4.5 m) work cable and 10 ft. (3.0 m) electrode cable. Rated 350 amps, 60% duty cycle.
Order K1803-1

Twist Mate™ Cable Plug
For connecting welding cable to output terminal receptacles. For 2/0-3/0 (70-95 mm²) cable.
Order K852-95

Twist Mate™ Cable Receptacle
For connecting welding cable to Twist Mate™ Cable Plug.
Order K1759-70 for 1/0-2/0 (50-70 mm²) cable
Order K1759-95 for 2/0-3/0 (70-90 mm²) cable

Twist Mate™ to Lug Adapter
For connection of lugged cable to Twist Mate™ connectors. 18 in. (457 mm) long.
Order K2176-1

Inverter and Wire Feeder Cart
Near-wheelied cart includes front casters and no-lift gas bottle platform. Convenient handles allow for easy cable storage while full length side trays store parts and tools. Shipped fully assembled. Small footprint fits through 30 in. (762 mm) door.
Order K1764-1

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, electrode holder and sample pack of mild steel electrode. 150 amp capacity.
Order K275

Dual Cylinder Kit
Permits side-by-side mounting of two full size gas cylinders, with easy loading. For use with K1764-1 cart.
Order K1702-1

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## Product Specifications

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Model</th>
<th>Input Power</th>
<th>Rated Output Current/Voltage/ Duty Cycle</th>
<th>Input Current @ Rated Output</th>
<th>Output Range</th>
<th>H x W x D (inches)</th>
<th>Net Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1728-6</td>
<td>Factory</td>
<td></td>
<td>220-230/380/415/460/575V/1/3/50/60</td>
<td>350A/34V/60%/300A/32V/100%</td>
<td>3ph: 50/42-26/23-26/23/18, 1ph: 94/55/44/37/37</td>
<td>425A</td>
<td>14.8 x 13.3 x 27.8 (376 x 338 x 709)</td>
</tr>
<tr>
<td>K1728-7</td>
<td>Advanced Process</td>
<td></td>
<td>220-230/380/415/460/575V/1/3/50/60</td>
<td>350A/34V/60%/300A/32V/100%</td>
<td>3ph: 50/42-26/23-26/23/18, 1ph: 94/55/44/37/37</td>
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<tr>
<td>K1728-13</td>
<td>Factory (Tweco®)</td>
<td></td>
<td>220-230/380/415/460/575V/1/3/50/60</td>
<td>350A/34V/60%/300A/32V/100%</td>
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<tr>
<td>K1728-12</td>
<td>CE</td>
<td></td>
<td>220-220/380/415-440/1/3/50/60</td>
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