LN-10 & DH-10

Processes
MIG, Flux-Cored, Pulsed

Product Number
K1559-3 LN-10 Bench Model
K1564-4 LN-10 Boom Package
K1499-3 DH-10 Bench Model
K1521-7 DH-10 Boom Package

Input Power
42 VAC 50/60 Hz 6 Amps

Output Capacity
600A/60%
500A/100%

Wire Size Range
See Back

Wire Feed Speed
See Back

Weight/Dimensions (H x W x D)
LN-10
65 lbs. (29.5 kg)
16 x 15 x 31 in.
(406 x 381 x 787 mm)

DH-10
98 lbs. (44.4 kg)
21 x 20 x 32 in.
(533 x 508 x 813 mm)

See back for complete specs

Single and Double Header Wire Feeders
The LN-10 and the Double Header DH-10 wire feeders are available in both bench and boom mounted versions. The modular designs of the LN-10 and DH-10 allow maximum versatility in today's demanding industrial welding environment.

FEATURES

Rugged drive roll design - With 4 rolls for positive wire feeding.

Presettable voltage and wire feed speed - Using large control knobs allows easy adjustment with a gloved hand.

Standard dual procedure for both wire drives - Selectable at the control box unit, with the optional dual procedure switch, dual schedule Magnum® gun, or with the optional dual procedure remote control.

Cold feed forward and reverse controls - For safe wire loading/unloading.

Selectable trigger control - For standard 2 step, interlocking 4 step, spot weld and cold feed trigger control (ideal for booms where cold wire feeding can be done at the gun trigger.)

Five welding process control and timer functions - Preflow gas timer, run-in wire feed speed/voltage control, spot weld timer, burnback control, postflow gas timer.

Security features - Available to limit welding procedures.

APPLICATIONS

Metal Fabrication
Maintenance and Repair
Autobody/Farm
Light Industrial

THE LINCOLN ELECTRIC COMPANY
22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.
PH: +1.216-481-8100 • www.lincolnelectric.com

ISO 9001:2000
ISO 14001:2004

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

**Wire Drive System**

- **Four Gear Driven Rolls** – No tools are required to change rolls.
- **Revolutionary Split Wire Guide** – Precisely aligns and supports wire through the entire system.
- **Two Piece Split Wire Guide** – Provides easy access for inspection, cleaning or wire size changes.
- **Quick Torque / Speed Gear Changes** – Easily convert from low speed / high torque at 35-500 inches per minute (ipm) to high wire feed speed operation (50-750 ipm).

1. Drive Rolls Flip Up for Easy Access
2. Entire Wire Path is Visible for Easy Access
3. Changeable External Gear for Quick Speed Range Change

**KEY CONTROLS**

**DH-10 Control Box**

1. Adjustable Cold Wire Feed
2. Select Feed Head at Control or with a Trigger Pull (Not available on LN-10)
3. Trigger Mode Selections
4. Welding Process Control and Timer Functions
5. Timer Select Key (Preflow, Postflow, Spot and Burnback)
6. Run-In Control for Wire Feed Speed and Voltage. Also Wire Feed Speed Acceleration Control.
7. Large, Easy to Use Wire Feed Speed Control
8. Large, Easy to Use Voltage Control
9. Dual Procedure Controls for Each Feeder
10. Large, Easy to Read Digital Meters
11. Standard Lincoln Electric Trigger
12. Electrically Insulated Door

**LN-10 Wire Drive System**

**RECOMMENDED OPTIONS**

For Connection Between Power Source and Wire Feeder Control Box (Only One Cable Needed. Included with all LN-10 and DH-10 units.)

Wire Feeder Control Cable
Male 14-pin to female 9-pin.
10 ft. (3.0 m) length. (Included with each LN-10 and DH-10).
Order K1501-10

For Connection Between Control Box and Wire Drive (Boom Models Only.)

Male 14-pin to female 14-pin.
Order K1785-12 for 12 ft. (3.6 m)
Order K1785-16 for 16 ft. (4.8 m)
Order K1785-25 for 25 ft. (7.6 m)
Order K1785-50 for 50 ft. (15.2 m)
FEED PLATE GUN RECEIVER BUSHINGS

K1500-1 Gun Receiver Bushing (Optional)
Magnum® 200, 300 and 400 gun and cable assemblies with K466-1 connector kit.
Lincoln Electric Innershield® gun and cable assembly.
Magnum® 550 gun and cable assembly with K613-1 connector kit.

K1500-2 Gun Receiver Bushing (Standard)
Magnum® 200 and 400 fully assembled guns (K487-2x and K471-2x).
Magnum® 200, 300 and 400 gun and cable assemblies with K466-10 connector kit.
Guns with Tweco® #2, #3, and #4 connectors.

K1500-3 Gun Receiver Bushing (Optional)
Magnum® 550 gun and cable assembly with K613-7 connection.
Guns with Tweco® #5 connectors.

K1500-4 Gun Receiver Bushing (Optional)
Magnum® 200, 300 and 400 gun and cable assemblies with K466-3 connector kit.
To adapt to OXO® guns.
Magnum® gun and cable assemblies with Fast-Mate™ connections.
Handles both single and dual procedure guns.

K1500-5 Gun Receiver Bushing (Optional)

CV-655/LN-10 Boom
3/32 FCAW Welding System

CV-655 (230/460/3/60)
LN-10 Generic 16 ft. Boom Package
Drive Roll Kit - 3/32 in. Cored/Solid
Magnum® 550 Gun, 15 ft, 5/64-3/32
Magnum® 550 Gun Adapter
550 Connector Kit for 10 Series Feeders
Ground Clamp

CV-655/DH-10 Boom
3/32 FCAW Welding System

CV-655 (230/460/3/60)
DH-10 Generic 16 ft. Boom Package
Drive Roll Kit - .045 in. Solid
Drive Roll Kit - 3/32 in. Cored/Solid
Magnum® 400 Gun Package, 15 ft, .035-045
Magnum® 550 Gun, 15 ft, 5/64-3/32, 600A
Magnum® 550 Gun Adapter
550 Connector Kit for 10 Series Feeders
Deluxe Adjustable Gas Regulator & Hose (4.3 ft.) Kit
Ground Clamp

LN-10 & DH-10 Wire Feeders
**RECOMMENDED ACCESSORIES**

**GENERAL OPTIONS**
- Wire Straightener
  - Straightens wire for better, smoother feeding.
  - Order K1733-1
- Micro Wire Straightener
  - .035 in.-1/16 in. (0.9-1.6 mm) wire for use with portable feeders.
  - Order K1733-4
- Water Connection Kit
  - Includes quick connect fittings on front and back of wire drive for use with water-cooled guns and Magnum® Coolers. Kit provides for one gun.
  - Order K590-6
- Control Cable to Terminal Strip Adapter
  - Connects 14-pin control cable to power sources with terminal strip.
  - Order K1798
- Wire Feed Control Cable
  - Male 14-pin to female 9-pin. 10 ft. (3.0 m) length. (Included with each LN-10 and DH-10).
  - Order K1501-10
- 115V/42V Transformer Kit
  - Provides a way to use the wire feeder on power sources that have 115V/AC available on the terminal strip.
  - Order K1520-1

**RECOMMENDED ACCESSORIES**

**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Input Power</th>
<th>Output Capacity</th>
<th>Wire Feed Speed Range (rpm/min.)</th>
<th>Wire Size Range (In. - mm)</th>
<th>H x W x D (inches - mm)</th>
<th>Net Weight (lbs. - kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LN-10 Bench Model (Standard Speed)</td>
<td>K1559-3</td>
<td>42 VAC</td>
<td>600A/60%</td>
<td>35-750 (.8-.19)</td>
<td>.023-3/32 (.6-.24)</td>
<td>16 x 15 x 31 (406 x 381 x 787)</td>
<td>65 (29.5)</td>
</tr>
<tr>
<td>LN-10 Generic 16 Ft. Boom Package</td>
<td>K1564-4</td>
<td>50/60 Hz 6 Amps</td>
<td>500A/100%</td>
<td>.035-1/8 (.9-3.2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DH-10</td>
<td>K1499-3</td>
<td></td>
<td></td>
<td>35-750 (.8-.19)</td>
<td>.023-3/32 (.6-.24)</td>
<td>21 x 20 x 32 (533 x 508 x 813)</td>
<td>98 (44.4)</td>
</tr>
<tr>
<td>DH-10 Generic 16 Ft. Boom Package</td>
<td>K1521-7</td>
<td></td>
<td></td>
<td></td>
<td>.030-1/8 (.8-.3.2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** All units include 10 ft. (3.0 m) control cable. Boom packages also include a 25 ft. (7.6 m) control cable/welding cable (3/0) assembly.


**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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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.