

Power Dart[®] Blower



CONDUX

Operation Procedure

General Information

The Condux® Power Dart® Blower uses three motors to deliver a maximum of 300 ft³/min (8.5 m³/min) of forced air. It easily blows poly line or measuring tape over 2,000' (610 m) in up to 6" (152 mm) diameter conduit. The 110 VAC power cord uses a 30 Amp-115 VAC twist plug to adequately handle the motors' electrical current requirements. The 220-240 VAC model is supplied with a 16 Amp-230 VAC European plug. The unit requires an electrical outlet rated for at least a 3,000-watt generator.

Weighing only 32 pounds (15 kilograms), the unit can be set up in any indoor location with ease. The complete kit includes the Power Dart Blower Unit, 25' (7.6 m) air hose, Body Seal-Off & Seal-Offs for ½"-6" (13 mm-152 mm) Conduit. An optional accessory bag is also available.

120 VAC model uses (3) 7.3 Amp motors

220-240 VAC model uses (3) 4.2 Amp motors

Safe Operating Practices

The Condux® Power Dart® Blower is designed for safe operation, however, these safety precautions must be followed:

1. Wear personal protective equipment: hard hat, safety glasses, safety shoes, and leather work gloves.
2. Follow all standard access vault opening procedures, including work area protection and gas detection.
3. Be aware of all utility lines in the immediate area and do not work around live circuits.
4. Warning: To reduce the risk of fire or electric shock, do not use unit with any solid state speed control device.

5. Indoor use only. Do not operate in or near water. Do not set the Power Dart® Blower on a wet surface or expose it to rain.
6. Turn power switches off before connecting or disconnecting any electrical cords.
7. Ensure the electrical outlet or generator is rated for at least 3,000 watts—a fire could result from wiring overheating.
8. Do not remove or modify the 30 Amp-115 VAC twist plug, or the 16 Amp-230 VAC European plug.

Tool Setup

NOTE: Know the approximate length of the conduit run to ensure the blowline is long enough to reach the destination.

1. Set the Power Dart® Blower on a clean, dry surface. Ensure the **power switches** are accessible to the user and the **air inlets** are not blocked.
2. Check that all 3 power switches are off before plugging in the main power source.
3. Attach the **air hose** to the unit's **rear air outlet**, and attach the correct **seal-off** to the air hose's other end.
4. Insert the **blowline** through the **access hole** on the rear of the seal-off, and attach it to the **line carrier** or foam carrier with a secure knot.

5. Adjust the **drag plate** on the rear of the seal-off to put a slight drag on the blowline.
6. Place the **line carrier** or foam carrier into the duct and then securely hold the **seal-off** in the duct opening.
7. Turn on one power switch at a time to avoid overloading the circuit.
8. To control the carrier's speed, remove the seal-off from the duct—DO NOT GRAB THE BLOWLINE WITH YOUR HAND.
9. Turn off the power switches when the carrier reaches its destination.

Service

1. No user serviceable parts inside. Do not remove outer shell from the unit. For product service, consult factory.
2. If supply cord is damaged, it must be replaced by the manufacturer or its service agent or similarly qualified individual.

Cleaning Instructions

1. Keep Power Dart Blower, Seal-Off, Hose and various carriers clean and dry for proper operation. Wipe excess dirt off with a soft cloth.
2. Do not pressure wash or use petroleum based solvents on the Power Dart Blower or accessories.



!WARNING: Read and understand all procedure and safety instructions before using the Condux® Power Dart® Blower. Failure to do so may result in serious personal injury or death.



!ADVERTENCIA: Favor de leer y comprender todas las instrucciones de operación y seguridad antes de usar el Condux® Power Dart® Blower. Si Ud. no comprende las instrucciones favor de consultarle a su jefe.



!CAUTION: Wear personal protective equipment: hard hat, safety glasses, safety shoes, and leather work gloves.



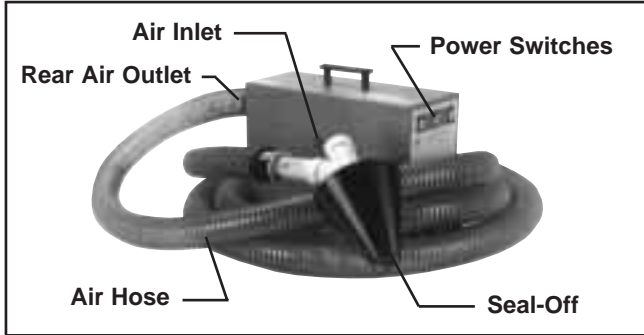
!WARNING: For continued protection against risk of fire, replace only with same type and rating of fuse (refer to Replacement Parts List).

SAVE THIS USER'S GUIDE FOR FUTURE REFERENCE.

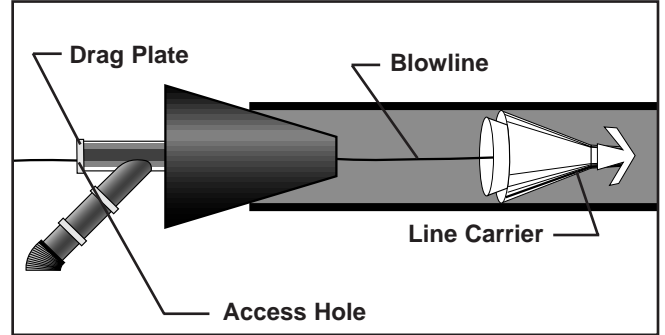
Fuse Replacement Procedure

NOTE: Each motor has a protective fuse. They are conveniently located on the front panel's lower right corner.

1. Use a straight-slot screwdriver to rotate the fuse holder 1/4 turn counterclockwise.



2. Pull the fuse holder out and remove the fuse.
3. Insert a new fuse into the holder.
4. Push the fuse holder into its receptacle and rotate it 1/4 turn clockwise.



Troubleshooting Guide

Problem

Carrier does not exit at destination

Possible Causes

- Duct is obstructed
- Duct is not airtight
- Duct length is too long
- Carrier is worn or the wrong size
- Too much tension on blowline
- Too many bends in the conduit

Blowline builds up in duct

- Drag plate is not properly set
- Carrier is worn or the wrong size

Unit does not turn on

- Blown utility fuse—not rated for 12 amperes
- Blown fuse in Power Dart Blower
- Bad electrical connection

Replacement Parts List

Part Description	Part Number
Outlet Fitting	08039302
Plastic Handle	08066700
Power Switch	02289289
7' Power Cord (10 Ga., 3 Con.) (for 120 VAC unit)	00181700
Plug, (125V, 30 Amp Twist) (for 120 VAC unit)	08930103
Fuse, (250V, 15 Amp Type Fast Acting) (for 120 VAC unit)	02259600
7' Power Cord (2.5 mm, 3 Con.) (for 220-240 VAC unit)	00181800
Plug, Elect. (250V, 16 Amp European) (for 220-240 VAC unit)	02279300
Fuse, (250V, 6.3 Amp Type Fast Acting) (for 220-240 VAC unit)	02289292
Label Kit	08065226



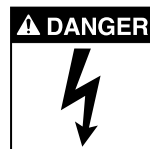
!WARNING: Forced air creates flying debris. Always wear personal protective equipment. Severe personal injury could result.



!DANGER: Do not remove or modify the 30 AMP-115 VAC twist plug, or the 16 AMP-230 VAC European plug. Severe personal injury, death, or property damage could result.



!WARNING: Ensure no personnel are in the destination access vault during the blowing operation. Severe personal injury could result.



!DANGER: The Power Dart® Blower is an electrical device. Use proper precautions during its setup and operation. Failure to do so could result in severe personal injury or death.

Limited Warranty

Condux International, Incorporated extends the following warranty to the original purchaser of these goods for use, subject to the qualifications indicated:

Condux International, Incorporated warrants to the original purchaser for use that the goods or any component thereof manufactured by Condux International will be free from defects in workmanship for a period of one year from the date of purchase, provided such goods are installed, maintained, and used in accordance with Condux's written instructions.

Components not manufactured by Condux International but used within the assembly provided by Condux International are subject to the warranty period as specified by the individual manufacturer of said component, provided such goods are installed, maintained, and used in accordance with Condux's and the original manufacturer's written instructions.

Condux's sole liability and the purchaser's sole remedy for a failure of goods under this limited warranty, and for any and all claims arising out of the purchase and use of the goods, shall be limited to the repair or replacement of the goods that do not conform to this warranty.

European Representative:

Tesmec S.p.a.

Via Trento, 26-24035

CURNO (BG)-Italy

Tel: 39-035611218

Fax: 39-035616323

<http://www.tesmec-group.com>

email: info@tesmec.it

To obtain repair or replacement service under the limited warranty, the purchaser must contact the factory for a Return Material Authorization (RMA). Once obtained, send the RMA along with the defective part or goods, transportation prepaid, to: Condux International, Inc.
145 Kingswood Road
Mankato, MN 56001

THERE ARE NO EXPRESS WARRANTIES COVERING THESE GOODS OTHER THAN AS SET FORTH ABOVE. THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE.

CONDUX ASSUMES NO LIABILITY IN CONNECTION WITH THE INSTALLATION OR USE OF THIS PRODUCT, EXCEPT AS STATED IN THIS LIMITED WARRANTY. CONDUX WILL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



Condux International, Inc.

P.O. Box 247 • 145 Kingswood Road, Mankato, MN 56002-0247 USA

1-507-387-6576 • 1-800-533-2077 • FAX 1-507-387-1442

Internet: <http://www.condux.com> • E-mail: cndxinfo@condux.com

© Copyright 2001, Condux International, Inc.

Printed in USA

Literature Part Number: 08030089

Revision Number: 3.0