

# OPERATING AND MAINTENANCE INSTRUCTIONS

P/N 107483-001

## **MODEL 1240** **TWO-SPEED** **CENTRIFUGAL BLOWER**

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## **PELSUE 1240 TWO-SPEED CENTRIFUGAL BLOWER**

### **1.0 GENERAL**

**1.01** This manual covers the description, operation and maintenance of the Pelsue Model 1240 two speed Centrifugal Blower.

**PLEASE TAKE THE TIME TO READ THIS MANUAL BEFORE OPERATING BLOWER.**

**1.02** The 1240 portable blower is specifically designed to provide a source of fresh air. This blower is powered by an 120V AC, 60 HZ electrical source.

### **2.0 SAFETY PRECAUTIONS**

FOR YOUR SAFETY  
READ THE FOLLOWING  
SAFETY PRECAUTIONS.

**2.01** Do not use the blower for other than its intended use.

**2.02** Do not wear loose clothing that can become entangled in operating machinery. Do not operate blower without inlet or outlet screen guards in place.(If guards are missing Or damaged, contact factory for replacements.)

**2.03** Do not place fingers or any other object through inlet or outlet screens.

**2.04** GROUND FAULT CIRCUIT INTERRUPTER. Always operate a blower from a 120V AC source supplied through a ground fault circuit interrupter breaker.

**2.05** WET HANDS. Never handle power cords with wet hands.

**2.06** WATER. Never let extension cords and plug connection lay in water. Locate the blower so that it cannot fall into water.

**2.07** EQUIPMENT. Never use cords with frayed, cut, or brittle insulation. Check the cord for sound connections to the grounded plug.

**2.08** EXPLOSIVE ATMOSPHERE. Never use this blower in any explosive atmosphere.

**2.09** SAVE THESE INSTRUCTIONS.

### **3.0 MAINTENANCE AND REPAIR**

**3.01** Be sure the blower is disconnected from the power source before doing any maintenance or repair work on the blower.

**3.02** See the enclosed parts list for the replacement cord part number.

**3.03** For parts or service information, contact:

T.A. Pelsue Service Department  
2500 South Tejon Street  
Englewood, Colorado 80110  
Phone: 303-936-7432 or  
1-800-525-8460  
Fax: (303) 934-5581  
[www.pelsue.com](http://www.pelsue.com)  
[sales@pelsue.com](mailto:sales@pelsue.com)

#### **4.0 PRODUCT DESCRIPTION:**

The Pelsue model #1240 blower is a dual-speed, fresh-air centrifugal blower.

##### **4.01 DIMENSIONS & WEIGHTS**

|         |                   |
|---------|-------------------|
| Width:  | 18.50" (470 mm)   |
| Length: | 18.50" (470mm)    |
| Height: | 17.50" (444.5mm)  |
| Weight: | 54 lbs. (24.5 kg) |

##### **4.02 MODEL SPECIFICATIONS & PERFORMANCE:**

|                |                   |                  |
|----------------|-------------------|------------------|
| Voltage:       | 120V AC, 60HZ     |                  |
|                | <u>HIGH SPEED</u> | <u>LOW SPEED</u> |
| Amperage:      | 12.0              | 7.0              |
| H.P.:          | 1 (.745KW)        | 1/3(.248KW)      |
| Free Air:      | 1193 cfm          | 790 cfm          |
| One 90° Bend:  | 810 cfm           | 526 cfm          |
| Two 90° Bends: | 805 cfm           | 506 cfm          |

#### **5.0 START UP & OPERATING PROCEDURES**

**READ ENTIRE START UP & OPERATING PROCEDURE BEFORE OPERATING BLOWER.**

##### **5.01 PRE-START PROCEDURE**

**CAUTION:** Prior to Operating the ventilator, Read; Section 2.0, SAFETY PRECAUTIONS.

- A.** Check blower inlet and outlet guard screens for obstructions. Check immediate area around blower for objects that could be sucked into the blower inlet and remove from area.

- B.** Connect blower hose to blower outlet.
- C.** Plug blower cord to a 3 prong GFI protected outlet.
- D.** Place the blower up wind of the confined space, with the intake facing the wind.

##### **5.02 START PROCEDURE**

- A.** Turn power switch to high and purge the blower hose for 15 seconds prior to placing the hose end into a confined space.
- B.** Extend and place blower hose as required. Be sure that no toxic fumes are blown into an unventilated area.
- C.** Do not leave blower plugged in or operating while unattended.

##### **5.03 SHUT-OFF PROCEDURE**

When blower operation is no longer required, turn power to blower "OFF" from remote switch.



**Figure 6a. Parts List**

| Item No. | Part#      | Description                                      | QTY. |
|----------|------------|--|------|
| 3        | 103083-001 | Switch - Toggle, SPDT                            | 1    |
| 4        | 102447-001 | Gasket - Unilet, 1/2"                            | 1    |
| 5        | 102446-001 | Cover - Unilet, Form 35, 1/2                     | 1    |
| 6        | 102891-022 | Strap Clamp (REMOVED FROM BOM)                   | -    |
| 7        | 26E-005700 | Cord and Plug Set - 16/3, 50                     | 1    |
| 8        | 100405-004 | Strain Relief, .25"/.38" Cable Dia               | 1    |
| 9        | 112664-001 | Unilet – Appleton Form 35, 1/2" Body             | 1    |
| 10       | 44E-007600 | Locknut - Conduit, 1/2"                          | 2    |
| 11       | 32F-001900 | Fitting - Close Nipple, 1/2"                     | 1    |
| 12       | 101427-002 | Screw - Cap, Hex Head, 1/4"-20 UNC x 3/4" Plated | 2    |
| 13       | 100050-009 | Washer - 1/4 Flat, Plated                        | 2    |
| 14       | 114564-001 | Grip – Bicycle, Black Foam                       | 1    |
| 15       | 102440-001 | Handle - Blower, 1240 series                     | 1    |
| 16       | 100121-009 | Washer, Lock, 1/4" Helical spring, plated        | 5    |
| 17       | 112305-001 | Washer Lock, Internal Tooth, 5/16, Plated        | 2    |
| 18       | 111837-001 | Decal - Directional Arrow                        | 2    |
| 19       | 111566-001 | Decal - Pelsue                                   | 1    |
| 20       | 26E-033700 | Switch Cover – Toggle (REMOVED FROM BOM)         | -    |
| 21       | 68N-015900 | Washer, Star 1/4"                                | 2    |
| 22       | 104627-001 | Decal - I.D. and Serial Plate                    | 1    |
| 23       | 107648-001 | Decal - MADE IN USA                              | 1    |
| 2-3      | 102420-002 | Housing Weldment                                 | 1    |
| 2-4      | 102421-001 | Wheel – Blower (1240), Style FC, A POSN, CW      | 1    |
| 2-5      | 113489-001 | Weldment – Suction Adapter, 1240                 | 1    |
| 2-6      | 47M-001700 | Motor - 1 HP, 115V AC, 1 phase                   | 1    |
| 2-7      | 102439-001 | Base Weldment                                    | 1    |
| 2-8      | 100048-011 | Nut - 5/16 - 18 Hex                              | 4    |
| 2-9      | 100050-010 | Washer - 5/16 Flat                               | 4    |
| 2-10     | 100157-007 | Screw - 5/16 – 18 x 3/4                          | 4    |
| 2-11     | 100121-010 | Washer - 5/16 Lock                               | 4    |
| 2-12     | 100725-003 | Screw Cap, Hex Head, 1/4-20 x 3/8"               | 8    |
| 2-13     | 100121-009 | Washer – 1/4 Lock                                | 8    |
| 2-14     | 100188-002 | Foot - Rubber                                    | 4    |
| N/A      | 112837-001 | Decal – Switch Settings, 1240                    | 1    |
| N/A      | 44E-017300 | Switch Plate – Toggle, HI-LO                     | 1    |

## 7.0 WIRING DIAGRAM

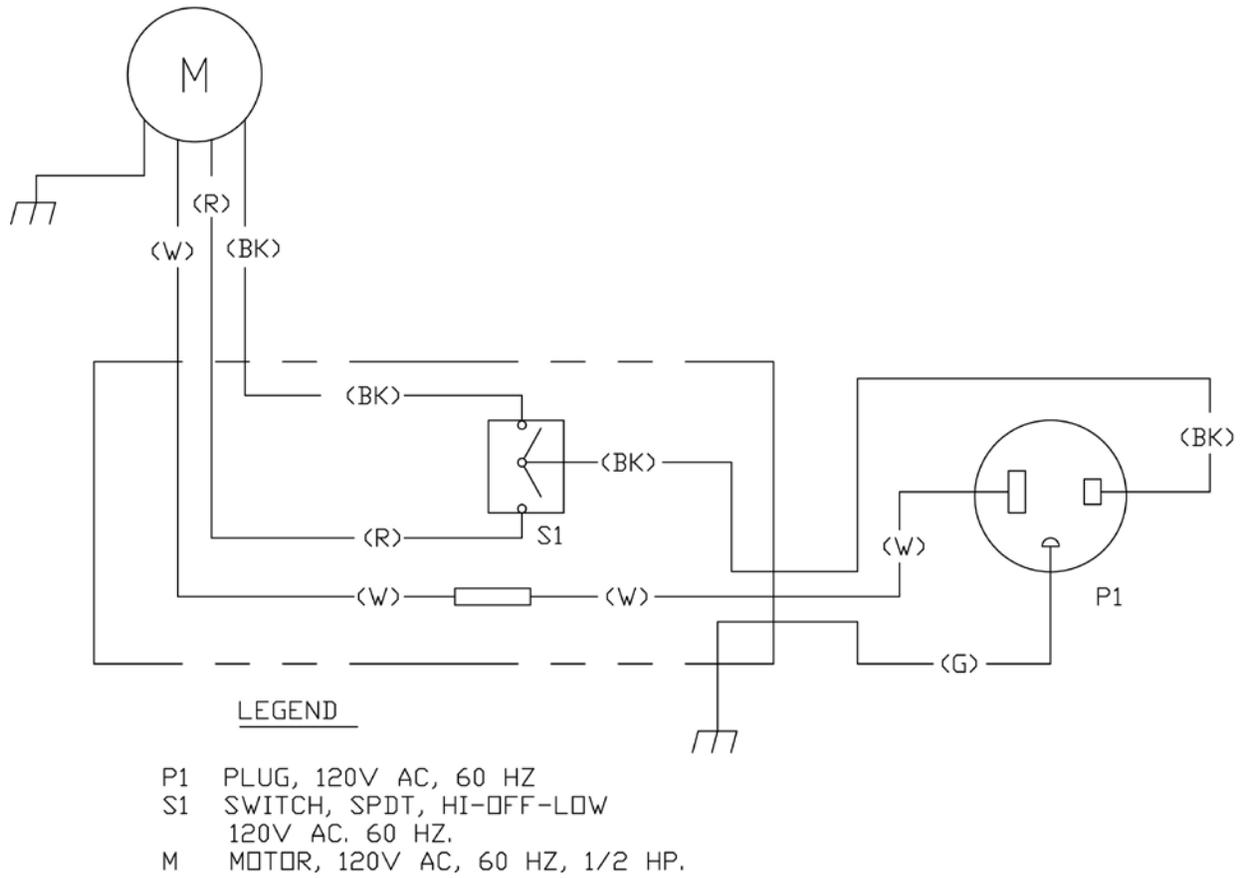


Figure 7a. Wiring Diagram