

# —PARTS MANUAL - MODEL NO. OPA-0294—

## FEATURES:

- ⇨ No lubrication required
- ⇨ Long-life polymer compression ring
- ⇨ Easy to install repair kits available
- ⇨ Sealed, permanently lubricated bearings
- ⇨ Automatic thermal overload protection
- ⇨ Heavy-duty electric motor.

## OPERATING CHARACTERISTICS:

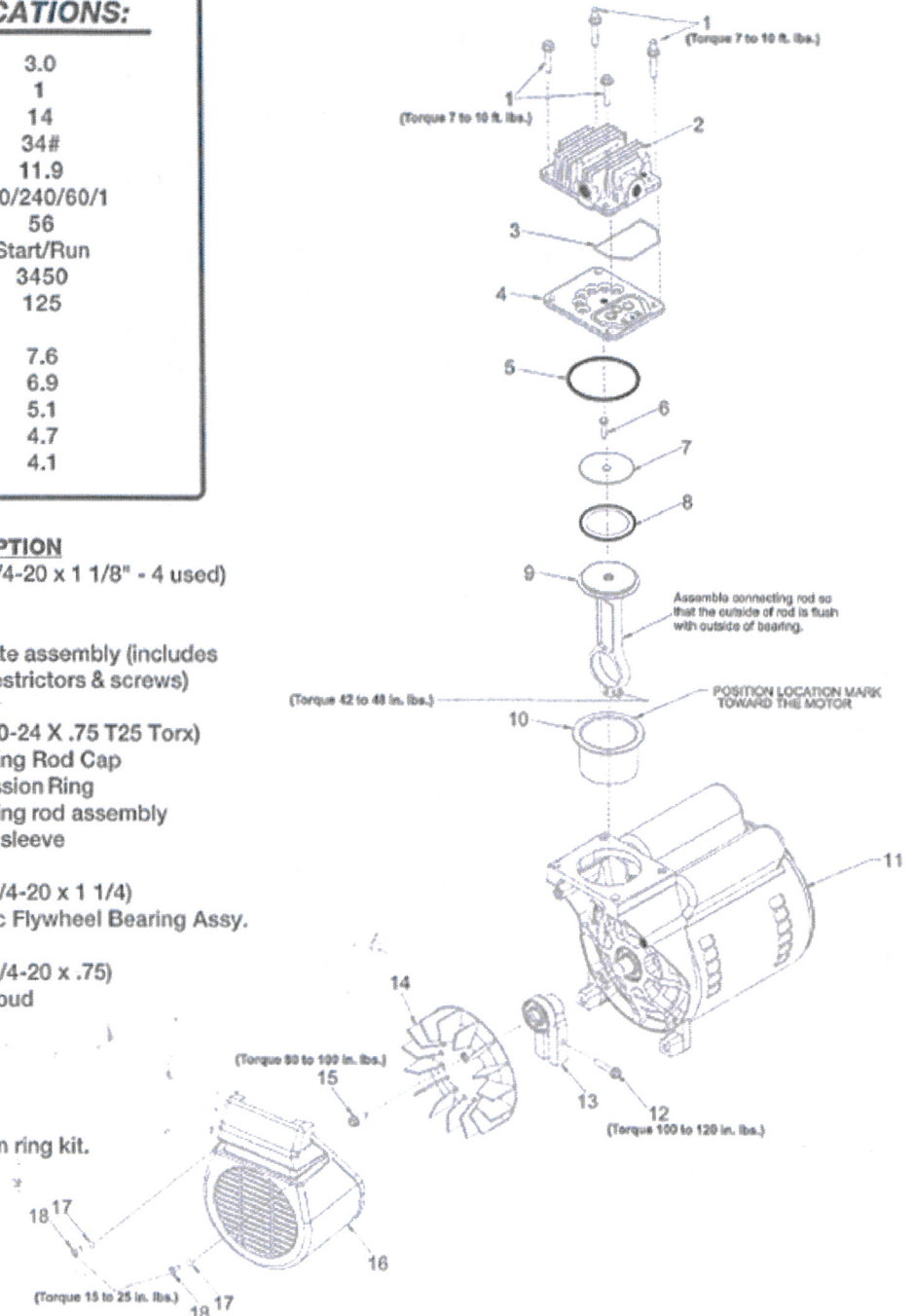
- ⇨ Optimum life and performance achieved at a 50% duty cycle
- ⇨ Optimum ambient temperature range; -10F to 100F

### OPERATING SPECIFICATIONS:





|                     |               |
|---------------------|---------------|
| Horsepower          | 3.0           |
| No. Cylinders       | 1             |
| Run Amps @ 90 PSI   | 14            |
| Weight              | 34#           |
| CFM Displacement    | 11.9          |
| Electrical          | 120/240/60/1  |
| NEMA motor Frame    | 56            |
| Capacitor(s)        | Start/Run     |
| RPM                 | 3450          |
| Max. pressure (PSI) | 125           |
| SCFM @ PSI          |               |
|                     | @ 20      7.6 |
|                     | @ 40      6.9 |
|                     | @ 90      5.1 |
|                     | @ 100     4.7 |
|                     | @ 125     4.1 |

| KEY NO. | PART NUMBER | DESCRIPTION  |
|---------|-------------|--|
| 1       | SSF-927     | Screw (1/4-20 x 1 1/8" - 4 used)                             |
| 2       | AC-0288     | Head   |
| *✓3     | ACG-45      | O-Ring   |
| 4       | AC-0032     | Valve plate assembly (includes valves, restrictors & screws) |
| *✓5     | SSG-8156    | O-ring   |
| *✓6     | SSF-3158-1  | Screw (10-24 X .75 T25 Torx)                                 |
| * 7     | ---         | Connecting Rod Cap   |
| *✓8     | ---         | Compression Ring   |
| * 9     | ---         | Connecting rod assembly                                      |
| *✓10    | ---         | Cylinder sleeve  |
| 11      | M0-9045     | Motor  |
| 12      | SSF-615     | Screw (1/4-20 x 1 1/4)                                       |
| 13      | AC-0140     | Eccentric Flywheel Bearing Assy.                             |
| 14      | AC-0108     | Fan  |
| 15      | SSF-586     | Screw (1/4-20 x .75)   |
| 16      | AC-0376     | Mini Shroud  |
| 17      | SSG-3102    | O-Ring   |
| 18      | SSF-553     | Screw  |

- \* KK-4835 piston/cylinder kit.
- ✓ K-0058 cylinder sleeve/compression ring kit.



## SAFETY GUIDELINES - DEFINITIONS

|  |   |   |
|--|---|---|
| <p>This manual contains information that is important for you to know and understand. This information relates to protecting <b>YOUR SAFETY</b> and <b>PREVENTING EQUIPMENT PROBLEMS</b>. To help you recognize this information, we use symbols to the right. Please read the manual and pay attention to these sections.</p> | <br><b>▲ DANGER</b>  | <br><b>▲ CAUTION</b> |
|  | <p>URGENT SAFETY INFORMATION - A HAZARD THAT WILL CAUSE SERIOUS INJURY OR LOSS OF LIFE.</p>           | <p>Information for preventing damage to equipment.</p>  |
|  | <br><b>▲ WARNING</b> | <br><b>NOTE</b>      |
|  | <p>IMPORTANT SAFETY INFORMATION - A HAZARD THAT MIGHT CAUSE SERIOUS INJURY OR LOSS OF LIFE.</p>       | <p>Information that you should pay special attention to.</p>  |

## IMPORTANT SAFETY INSTRUCTIONS




• SAVE THESE INSTRUCTIONS •




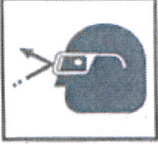



### ▲ WARNING

IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT.



| HAZARD  | WHAT CAN HAPPEN   | HOW TO PREVENT IT   |
|---|---|---|
| <p style="text-align: center;"><b>RISK OF BURSTING</b></p>    | <p><u><b>AIR TANK</b></u></p> <p><u><b>ATTACHMENTS &amp; ACCESSORIES</b></u></p> <p><u>EXCEEDING THE PRESSURE RATING OF AIR TOOLS, SPRAY GUNS, AIR OPERATED ACCESSORIES, TIRES AND OTHER INFLATABLES CAN CAUSE THEM TO EXPLODE OR FLY APART, AND COULD RESULT IN SERIOUS INJURY.</u></p>  | <p>FOLLOW THE EQUIPMENT MANUFACTURERS RECOMMENDATION AND NEVER EXCEED THE MAXIMUM ALLOWABLE PRESSURE RATING OF ATTACHMENTS. <u>NEVER USE COMPRESSOR TO INFLATE SMALL LOW-PRESSURE OBJECTS SUCH AS CHILDREN'S TOYS, FOOTBALLS, BASKETBALLS, ETC.</u></p>   |
| <p style="text-align: center;"><b>RISK OF EXPLOSION OR FIRE</b></p>   | <p><u>IT IS NORMAL FOR ELECTRICAL CONTACTS WITHIN THE MOTOR AND PRESSURE SWITCH TO SPARK.</u></p> <p><u>IF ELECTRICAL SPARKS FROM COMPRESSOR COME INTO CONTACT WITH FLAMMABLE VAPORS, THEY MAY IGNITE, CAUSING FIRE OR EXPLOSION.</u></p> <p><u>RESTRICTING ANY OF THE COMPRESSOR VENTILATION OPENINGS WILL CAUSE SERIOUS OVERHEATING AND COULD CAUSE FIRE.</u></p> <p><u>THE ELECTRICAL COMPONENTS OF THIS MACHINE MAY IGNITE GAS VAPORS CAUSING AN EXPLOSION WHICH COULD RESULT IN SERIOUS INJURY OR DEATH.</u></p> | <p><u>ALWAYS OPERATE THE COMPRESSOR IN A WELL VENTILATED AREA FREE OF COMBUSTIBLE MATERIALS, GASOLINE OR SOLVENT VAPORS.</u></p> <p><u>IF SPRAYING FLAMMABLE MATERIALS, LOCATE COMPRESSOR AT LEAST 20 FEET AWAY FROM SPRAY AREA. AN ADDITIONAL LENGTH OF HOSE MAY BE REQUIRED.</u></p> <p><u>STORE FLAMMABLE MATERIALS IN A SECURE LOCATION AWAY FROM COMPRESSOR.</u></p> <p><u>NEVER PLACE OBJECTS AGAINST OR ON TOP OF COMPRESSOR. OPERATE COMPRESSOR IN AN OPEN AREA AT LEAST 12 INCHES AWAY FROM ANY WALL OR OBSTRUCTION THAT WOULD RESTRICT THE FLOW OF FRESH AIR TO THE VENTILATION OPENINGS.</u></p> <p><u>DO NOT USE THIS MACHINE TO INFLATE A TIRE WHICH HAS BEEN REPAIRED WITH LIQUID FLAMMABLE CHEMICALS.</u></p> <p><u>NEVER INFLATE ANY TANK EVER USED TO CONTAIN A GAS. INFLATE ONLY TANKS SPECIFICALLY DESIGNED TO CONTAIN COMPRESSED AIR.</u></p> |

CONTINUE NEXT PAGE

| HAZARD  | WHAT CAN HAPPEN   | HOW TO PREVENT IT   |
|---|---|---|
| <p><b>RISK OF ELECTRICAL SHOCK</b><br/>(cont'd)</p>  | <p><u>YOUR AIR COMPRESSOR IS POWERED BY ELECTRICITY. LIKE ANY OTHER ELECTRICALLY POWERED DEVICE, IF IT IS NOT USED PROPERLY IT MAY CAUSE ELECTRIC SHOCK.</u></p> <p><u>REPAIRS ATTEMPTED BY UNQUALIFIED PERSONNEL CAN RESULT IN SERIOUS INJURY OR DEATH BY ELECTROCUTION.</u></p> <p><u>ELECTRICAL GROUNDING: FAILURE TO PROVIDE ADEQUATE GROUNDING TO THIS PRODUCT COULD RESULT IN SERIOUS INJURY OR DEATH FROM ELECTROCUTION. SEE GROUNDING INSTRUCTIONS.</u></p> | <p>NEVER OPERATE THE COMPRESSOR OUTDOORS WHEN IT IS RAINING OR IN WET CONDITIONS.</p> <p><u>NEVER OPERATE COMPRESSOR WITH COVER COMPONENTS REMOVED OR DAMAGED.</u></p> <p>ALL-POLE DISCONNECT - IN THE END USE OF THIS PRODUCT, <u>MEANS SHALL BE PROVIDED TO ENSURE ALL POLE DISCONNECTION FROM THE POWER SUPPLY.</u></p> <p>ANY ELECTRICAL WIRING OR REPAIRS REQUIRED ON THIS PRODUCT <u>SHOULD BE PERFORMED BY AUTHORIZED SERVICE CENTER PERSONNEL</u> IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.</p> <p><u>MAKE CERTAIN THAT THE ELECTRICAL CIRCUIT TO WHICH THE COMPRESSOR IS CONNECTED PROVIDES PROPER ELECTRICAL GROUNDING, CORRECT VOLTAGE AND ADEQUATE FUSE PROTECTION.</u></p> |
| <p><b>RISK FROM FLYING OBJECTS</b></p>              | <p><u>THE COMPRESSED AIR STREAM CAN CAUSE SOFT TISSUE DAMAGE TO EXPOSED SKIN AND CAN PROPEL DIRT, CHIPS, LOOSE PARTICLES AND SMALL OBJECTS AT HIGH SPEED, RESULTING IN PROPERTY DAMAGE OR PERSONAL INJURY.</u></p>  | <p><u>ALWAYS WEAR ANSI Z87.1 APPROVED SAFETY GLASSES WITH SIDE SHIELDS</u> WHEN USING THE COMPRESSOR.</p> <p><u>NEVER POINT ANY NOZZLE OR SPRAYER TOWARD ANY PART OF THE BODY OR AT OTHER PEOPLE OR ANIMALS.</u></p> <p><u>ALWAYS TURN THE COMPRESSOR OFF AND BLEED PRESSURE FROM THE AIR HOSE BEFORE ATTEMPTING MAINTENANCE, ATTACHING TOOLS OR ACCESSORIES.</u></p>   |
| <p><b>RISK TO BREATHING</b></p>                    | <p><u>THE COMPRESSED AIR FROM YOUR COMPRESSOR IS NOT SAFE FOR BREATHING! THE AIR STREAM MAY CONTAIN CARBON MONOXIDE, TOXIC VAPORS OR SOLID PARTICLES.</u></p> <p><u>SPRAYED MATERIALS SUCH AS PAINT, PAINT SOLVENTS, PAINT REMOVER, INSECTICIDES, WEED KILLERS, ETC., CONTAIN HARMFUL VAPORS AND POISONS.</u></p>   | <p><u>NEVER INHALE AIR FROM THE COMPRESSOR EITHER DIRECTLY OR FROM A BREATHING DEVICE CONNECTED TO THE COMPRESSOR.</u></p> <p><u>WORK IN AN AREA WITH GOOD CROSS-VENTILATION, READ AND FOLLOW THE SAFETY INSTRUCTIONS PROVIDED ON THE LABEL OR SAFETY DATA SHEETS FOR THE MATERIAL YOU ARE SPRAYING. USE A NIOSH/MSHA APPROVED RESPIRATOR DESIGNED FOR USE WITH YOUR SPECIFIC APPLICATION.</u></p>  |
| <p><b>RISK FROM MOVING PARTS</b></p>               | <p><u>THE COMPRESSOR CYCLES AUTOMATICALLY WHEN THE PRESSURE SWITCH IS IN THE ON/AUTO POSITION.</u></p> <p><u>MOVING PARTS CAN CAUSE SERIOUS INJURY OR DAMAGE IF THEY COME INTO CONTACT WITH YOU OR YOUR CLOTHING.</u></p>   | <p><u>ALWAYS TURN OFF THE COMPRESSOR, BLEED PRESSURE FROM THE AIR HOSE AND UNPLUG FROM ELECTRICAL OUTLET BEFORE PERFORMING MAINTENANCE OR ATTACHING TOOLS AND ACCESSORIES.</u></p> <p><u>DO NOT REMOVE THE PROTECTIVE COVERS FROM THIS PRODUCT. NEVER OPERATE THE COMPRESSOR WITH GUARDS OR COVERS WHICH ARE DAMAGED OR REMOVED.</u></p>  |
| <p><b>RISK OF BURNS</b></p>                        | <p><u>ATTEMPTING TO OPERATE OR REPAIR COMPRESSOR WITH PROTECTIVE SHROUDS REMOVED CAN EXPOSE YOU TO MOVING PARTS AND ELECTRICAL SHOCK.</u></p> <p><u>TOUCHING EXPOSED METAL SUCH AS THE COMPRESSOR HEAD OR OUTLET TUBE CAN RESULT IN SERIOUS BURNS.</u></p>  | <p>ANY REPAIRS REQUIRED ON THIS PRODUCT <u>SHOULD BE PERFORMED BY AUTHORIZED SERVICE CENTER PERSONNEL.</u></p> <p><u>NEVER TOUCH ANY EXPOSED METAL PARTS ON COMPRESSOR DURING OR IMMEDIATELY AFTER OPERATION. COMPRESSOR WILL REMAIN HOT FOR SEVERAL MINUTES AFTER OPERATION.</u></p>   |

Model No.  
**OPA-0294**

## **OEM 18 MONTH LIMITED WARRANTY**

*All components manufactured by DeVilbiss Air Power Company are warranted to be free of defects in workmanship and material which occur within 18 months from the date code on the component.*

*This warranty extends to distributors and commercial users of the components.*

*DeVilbiss Air Power will repair or replace, at DeVilbiss's option, products or components which have failed within the warranty period.*

*All decisions of DeVilbiss Air Power Company with regard to this policy shall be final.*

### **RESPONSIBILITY OF PURCHASER:**

Use reasonable care in the operation and maintenance of the product and components as described in the Owners Manual(s).

To initiate the Warranty Claim Process, contact the manufacturer from whom you purchased this product.

### **THIS WARRANTY DOES NOT COVER:**

Components that have become inoperative because of ordinary wear, misuse, negligence, accident, improper and/or unauthorized repair or alterations including failure to operate the product in accordance with the instructions provided in the Owners Manual(s) supplied with the product.

Components which have been manufactured by and identified as the product of another company. The product manufacturer's warranty will apply.

### **THIS WARRANTY EXCLUDES:**

ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT.

IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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DeVILBISS AIR POWER COMPANY  
213 Industrial Drive • Jackson, TN 38301-9615