



INSTRUCTIONS FOR:  
**COMPRESSOR 6ltr BELT DRIVE**  
**1.5hp OIL FREE**  
MODEL No: **SAC106B**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY.**

## 1. SAFETY INSTRUCTIONS

### 1.1. ELECTRICAL SAFETY


- WARNING!** It is the responsibility of the owner and the operator to read, understand and comply with the following:  
You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer.

**You must** also read and understand the following instructions concerning electrical safety.

- 1.1.1. The **Electricity at Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1 and 1.1.2 and use a Portable Appliance Tester.
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.
- 1.1.6. **Important:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.
- 1.1.7. **DO NOT** pull or carry the appliance by the power cable.
- 1.1.8. **DO NOT** pull the plug from the socket by the cable.
- 1.1.9. **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician. When an ASTA/BS approved UK 3 pin plug is damaged, cut the cable just above the plug and **dispose of the plug safely.**

Fit a new plug according to the following instructions (UK only).

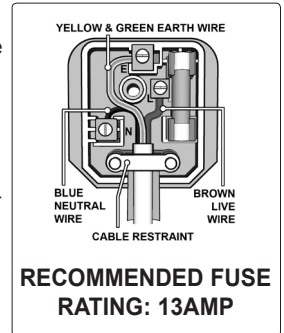
- Connect the **GREEN/YELLOW earth wire to the earth terminal 'E'**.
- Connect the **BROWN live wire to the live terminal 'L'**.
- Connect the **BLUE neutral wire to the neutral terminal 'N'**.
- After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.

Double insulated products, which are always marked with this symbol , are fitted with live (brown) and neutral (blue) wires only. To rewire, connect the wires as indicated above - **DO NOT** connect either wire to the earth terminal.

- 1.1.10. Products which require more than 13 amps are supplied without a plug. In this case you must contact a qualified electrician to ensure that a suitably rated supply is available. We recommend that you discuss the installation of an industrial round pin plug and socket with your electrician.
- 1.1.11. If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm<sup>2</sup>, but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm<sup>2</sup> section cable. If extension reel is to be used outdoors, ensure it is marked for outdoor use.

### 1.2. GENERAL SAFETY INSTRUCTIONS

- WARNING! Compressor must only be serviced by an authorised agent.**
- Familiarise yourself with the application and limitations of the compressor.
- Ensure the compressor is in good order and condition before use. If in any doubt do not use the unit and contact an electrician/service agent.
- Before moving, or maintaining the compressor ensure it is unplugged from the mains supply and that the air tool is disconnected.
- Use the compressor in a well ventilated area and ensure it is placed on a firm surface.
- Keep tools and other items away from the compressor when it is in use, and keep area clean and clear of unnecessary items.
- Keep children and unauthorised persons away from the working area.
- DANGER! DO NOT direct the output jet of air towards people or animals.**
- WARNING! If an electrical fuse blows, ensure it is replaced with an identical fuse type and rating.**
- DO NOT** disassemble compressor for any reason. This unit must only be checked and serviced by an approved service agent.
- DO NOT** use the compressor outdoors or in damp or wet locations.
- DO NOT** operate within the vicinity of flammable liquids, gases or solids.
- DO NOT** touch compressor cylinder head as it may be hot and will remain so for some time after shutdown.
- DO NOT** use this compressor to perform a task for which it has not been designed.
- DO NOT** leave the compressor running unattended.
- DO NOT** operate the compressor whilst under the influence of drugs, alcohol or other intoxicating medication.
- DO NOT** cover the compressor or restrict air flow around the machine whilst operating.
- DO NOT** allow anyone to operate the compressor unless they have received full instructions.
- When not in use, store the compressor carefully in a safe, dry, dust free, childproof location.



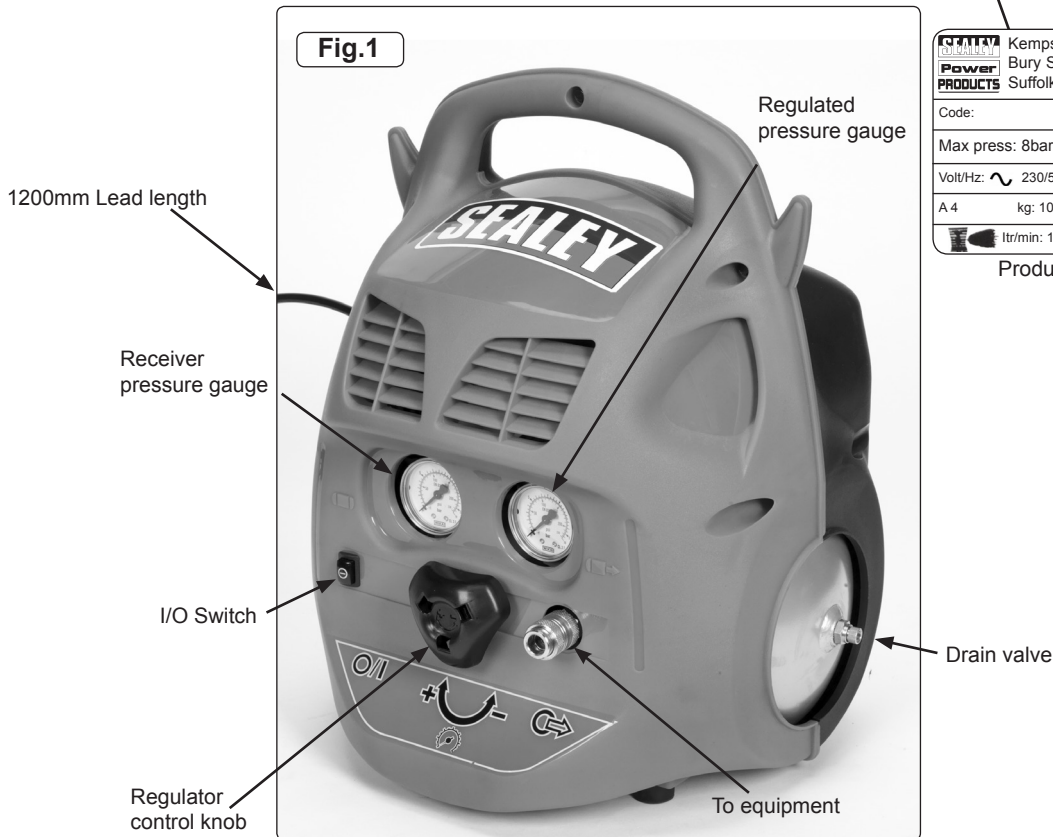
## 2. INTRODUCTION & SPECIFICATION

Manufactured from lightweight yet durable composite material with increased resistance to wear. Reduced weight eases manoeuvrability. Suitable for general workshop applications. Oil free, single piston pump is driven by a 1.5hp motor inside the body, saving space around the workshop. Fitted with fully automatic pressure cut-off switch and air regulator with gauge. Features integral handle. Simple construction with fewer components makes this unit practically maintenance-free. Fitted with ASTA/BS approved non-rewirable plug.

|   |                       |
|---|-----------------------|
| <b>Model No.:</b> .....                       | <b>SAC106B</b>        |
| Motor Output: .....                           | 1.5hp                 |
| Voltage/Phase: .....                          | 230V - 1ph            |
| Rated Supply: .....                           | 5A                    |
| LWA (noise power level): .....                | 90dB(A)               |
| Noise Pressure: .....                         | 68dB(A)               |
| Air Displacement cfm(ltr/min): .....          | 5.6(160)              |
| Maximum Free Air Delivery cfm(ltr/min): ..... | 1.47(41.6)            |
| Receiver Capacity: .....                      | .6ltr                 |
| Maximum Pressure: .....                       | 116psi/8bar           |
| Overall Size (WxDxH): .....                   | 350mm x 300mm x 440mm |
| Weight: .....                                 | 10.8kg                |



## 3. OPERATION



|                                 |                       |  |                        |           |
|---------------------------------|-----------------------|--|------------------------|-----------|
| <b>SEALEY</b><br>Power PRODUCTS |                       | Kempson Way,<br>Bury St. Edmunds,<br>Suffolk, IP32 7AR |                        | <b>CE</b> |
| Code:                           |                       | Serial no:   |                        |           |
| Max press: 8bar/116psi          |                       | In. pwr.: 1100W peak                                   |                        |           |
| Volt/Hz: ~ 230/50-60/1          |                       | Out. pwr.: 0.5kw/0.67HP                                |                        |           |
| A 4                             | kg: 10.5              |  | ltr/gal: 6/1.59        |           |
|                                 | ltr/min: 160 cfm: 5.6 |  | IP20 S3-30% min-1:2400 |           |

Product label on underside

- ❑ **WARNING!** Ensure that you have read, understood and apply Section 1 safety instructions.
  - 3.1. The compressor should be located and operated in a position that allows good air circulation around the unit. Locate the compressor in a convenient position for the work to be undertaken. Ensure that it is standing on a stable and level surface. Ensure the feet are in direct contact with the surface.
  - 3.2. Attach the required air tool to the air outlet.
  - 3.3. Plug the mains plug into a mains electrical socket, but do not switch the compressor on until the workpiece and air tool are fully prepared.
  - 3.4. Switch on the unit by pushing the I/O switch in. To switch off press the switch again, it will spring out automatically on release.
  - 3.5. Pressure will build in the receiver until a pre-determined pressure of 8bar (116psi) is reached and the motor will automatically cut out.
  - 3.6. The output pressure can then be regulated by the pressure regulator knob. Adjust the pressure regulator knob to the pressure required, which will be less than the receiver pressure. When the compressor is not being used, set the regulated pressure to zero to avoid damaging the pressure reducer.
- NOTE:** a) If the motor does not cut in and out, but runs continuously when using an air appliance, the capacity of the compressor may be too small for the tool being used.  
b) The gauge on the left (fig.1) indicates the pressure inside the main tank. The gauge on the right (fig.1) indicates the regulated pressure supplied to the air equipment. The pressure switch, not shown, stops the motor when the maximum tank pressure has reached 8bar (116psi) and restarts it when the pressure falls below the minimum threshold - approximately 2 bar (29psi) less than the maximum pressure.
- ❑ **WARNING!** For this reason **DO NOT** remove fascia panel to tamper with, or adjust, the pre-set switch or safety valve.
  - c) Should there appear to be any loss of efficiency when using the compressor, ensure first that the air tool is clean and functioning properly. If the air tool is satisfactory then refer to the trouble shooting guide.

- 3.7. Do not leave the compressor running for any length of time with the air tool attached not being used. If there is a pause in the work, switch the compressor off. These compressors have a duty-cycle of 30%. For each period of use, a rest period of 70% of the cycle period should be left before using it again. For example, after 3 minutes use, a rest period of 7 minutes should follow. If the motor over-heats, the thermal cut-out will operate and cut the motor out. When the temperature has returned to normal, the motor will re-start automatically.
- 3.8. When work is complete, switch the compressor off by pressing the I/O switch and releasing. Disconnect the air tool from the compressor and relieve remaining pressure. Open the drainage tap at the end of the tank, tip the compressor to allow any moisture to be drained from the tank. This prevents corrosion on the inside of the tank. Close drainage tap.
- 3.9. If it is intended to store the compressor away, allow it to cool before storing it carefully in a safe, dry, dust free, childproof location.



Inflating a motorcycle tyre



Blowing an engine clean

#### 4. MAINTENANCE & TROUBLESHOOTING

**Before carrying out any maintenance, switch compressor off, unplug it from the mains electricity supply, depressurise the tank and allow unit to cool down fully.**

- 4.1. Keep the compressor clean and free of dust. Do not use cleaning agents. Wipe the compressor using a slightly dampened cloth and blow it over with compressed air, if available.
- 4.2. Ensure that the ventilation openings are clear. Do not allow any extraneous material to enter the unit via any of the ventilation openings.
- 4.3. To prevent corrosion to the tank, drain it on a regular basis by opening the drainage tap at the end of the tank, after draining ensure the drainage tap is fully closed.
- 4.4. The troubleshooting guide below is intended to give an indication of the type of fault which may develop with the compressor over a long period of service. The chart is not intended as a guide on how to repair the fault, it is recommended that the compressor is returned to an authorised service agent for rectification of serious faults.

| Fault   | Possible Cause  | Remedy   |
|---|---|--|
| Compressor operating note changes.  | Blockage within the tool or pinched hose.   | Switch off immediately, source restriction and eliminate before re-starting.   |
| Reduction in performance. Frequent start-up. Low pressure values.               | Excessive air consumption, leaks from the couplings and/or pipes.                             | Air tool requires higher spec. compressor. Check / replace the seals of the fitting.   |
| The compressor stops, then restarts automatically after a few minutes.          | Tripping of the thermal cutout due to overheating of the motor.                               | Clean the air vents and ensure the work area is ventilated. Do not over-run the compressor's duty cycle.                     |
| Air leakage from the valve of the pressure switch whilst the compressor is off. | Pressure switch valve defective, due to wear or dirt on the seal, does not perform correctly. | Unscrew the head of the valve, clean the valve seat and the rubber disc (replace if worn). Reassemble and tighten carefully. |
| The compressor does not stop and the safety valve is tripped.                   | Irregular functioning of the compressor or broken pressure switch.                            | Switch off compressor and contact Authorised Service Agent.  |



#### Environmental Protection.

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.

When the product is no longer required, it must be disposed of in an environmentally protective way.

**Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to [www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or phone 01284 757500.**

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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