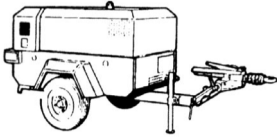




# Safety Instructions

THESE INSTRUCTIONS MUST BE READ BY THE OPERATOR  
BEFORE OPERATING THE COMPRESSOR.



## 1.2 Portable Compressors

All types of portable compressors and their hoses.

- This equipment is designed to be operated by someone with normal ability. Persons with a disability or injury must assess whether their disability, when using the equipment, will affect their health and safety and the safety of others.
- It should only be operated by someone with experience of similar equipment.
- This equipment must not be used by anyone whose competence is impaired, for example by drink or drugs.

- 1 The compressor must be operated correctly according to the owner's or manufacturer's operating instructions which are available on request if required.
- 2 **CHECK** the tyres, brakes and all lights before starting to tow the compressor.
- 3 **CHECK** that hoses and tools are properly stowed before travelling.
- 4 Position the compressor on firm level ground, apply the brakes and level the unit (within 15 degrees). Secure if necessary to prevent accidental movement.
- 5 **CHECK** that all air pressure is released from the compressor and that the air discharge cocks are shut before starting the compressor.
- 6 **CHECK** that hoses are not damaged. A hose failure can cause injuries.
- 7 **CHECK** that all guards are secure. **NEVER** operate the machine with missing or defective guards.
- 8 Before starting, make sure you know how to stop the compressor in an emergency.
- 9 Only use compressed air for cleaning down equipment with extreme caution. Take care not to blow dirt at yourself, other persons or into machinery. Use eye protection and ear defenders.
- 10 **DO NOT** use compressed air to clean yourself and **DO NOT** direct it at another person.
- 11 Shut off the air cock at the compressor and release air pressure before disconnecting a hose.
- 12 **CHECK** that all air pressure is released from the system after stopping the compressor.
- 13 **DO NOT** attempt repairs. Contact the Hire Company.

### Compressors with Petrol or Diesel Engines

- 14 **CHECK** that doors are shut on silenced compressors during operation. On others, check whether doors should be kept open or shut.
- 15 If warning lights show or if gauges register outside normal limits, stop the compressor.
- 16 **DO NOT** make adjustments inside the canopy when the compressor is running, other than where specifically instructed.
- 17 **DO NOT** operate the compressor in the presence of toxic fumes.
- 18 **DO NOT** smoke when refuelling. **NEVER** refuel with the engine running.
- 19 Replace the fuel caps securely on the engine and fuel container. Wipe up any spillage immediately.
- 20 Fuel containers should be in good condition and leak proof.  
**DO NOT** run the compressor in a badly ventilated area or where exhaust fumes can sink into a basement or excavation.
- 22 If the compressor has to be used in an enclosed area, ducting may be used to discharge exhaust fumes to a safe place.
- 23 **CHECK** that there is no combustible material lying on or against the exhaust system. The exhaust pipe and silencer get very hot.
- 24 In the event of a leak of fuel or oil developing, switch the engine off **IMMEDIATELY**.
- 25 **DO NOT** top up with coolant while the engine is running. **ALLOW** the radiator to cool before removing the radiator cap and topping up.

- 26 Air hoses must be blown out before connecting to a pneumatic tool. Hold the open end securely and open the air cock **CAREFULLY**. A blocked hose can become an air gun.
- 27 **CHECK** that all couplings are secure. If a coupling parts and compressed air blows free, the hose will 'whip' dangerously. **NEVER** attempt to catch and hold down the whipping hose. Turn off the air to the hose immediately or stop the compressor.
- 28 When noise levels are uncomfortably high over 80dB(A), it is advisable to wear hearing protectors.
- 29 If higher noise levels occur regularly when it is necessary to shout to be heard, (85dB(A) and above) the law requires that hearing protectors must be worn.

### Compressors with Electric Motors

- 30 **CHECK** that the voltage of the supply is correct. The compressor will be either 110 volts or 230 volts.
- 31 The use of low voltage equipment at 110V (CTE) will effectively eliminate the risk of death and greatly reduce the degree of injury from an electric fault.
- 32 Use a compressor with the lowest possible voltage to suit the job.
- 33 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.
- 34 When using a 230V compressor the risk of injury or death from electric shock is unacceptably high unless the following precautions are taken:
  - a) Use RCD power breakers at the supply socket to give protection for both the chasing machine and its power cable.
  - b) The RCD should be protected from dust, wet weather, mechanical damage and vibration.
  - c) Position power cables where they are less likely to be damaged.
  - d) The equipment cables and RCDs should be checked every day (or every shift) using the following as a guide:
    - **CHECK** that bare wires are not visible
    - Make sure that cables are not damaged and free from cuts and abrasions (apart from light scuffing)
    - **CHECK** that the plug is in good condition, the casing is free from cracks, the pins are not bent or the socket is not blocked with debris or dirt
    - **ENSURE** that there are no taped or other non-standard joints in the cable
    - **CHECK** that the cable covering has not been pulled out of the grips at the plug or equipment. (The coloured insulation of the internal wires should not be visible)
    - Make sure that there are no overheating or burn marks on the plug, cable and equipment
    - **CHECK** the operation of the RCD power breaker by operating the test button.
- 35 Compressors using 110 volts should be checked weekly as in 34(d) above.
- 36 **CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.
- 37 If the automatic cut-out operates, **ALLOW** the motor to cool before re-starting.
- 38 **DO NOT** use electrical compressors in damp, wet or flammable conditions.
- 39 **DO NOT** disconnect a plug by pulling its cable.
- 40 Unplug from the power supply before making adjustments to the machine.



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This leaflet is one in a comprehensive series of equipment safety instructions available from the CPA