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T: 0845 094 0707

## TOWABLE ROAD COMPRESSOR - (Diesel)

### SAFETY PRECAUTIONS & WARNINGS

It is in the interests of those operating this equipment, and for the safety of others, that these **SAFETY PRECAUTIONS & WARNINGS** are carefully read and understood before operating this equipment.

### PURPOSE

1. This is portable towed equipment is designed to generate and hold compressed air to power a variety of air-operated tools simultaneously.

### PERSONAL SAFETY

2. This equipment is designed for operation by an able bodied adult. Anyone with either temporary, or permanent disability must seek expert advice before using it. It must not be operated by minors, or by anyone under the influence of drugs or alcohol.
3. Compressed air can be hazardous when not used in a safe, careful and controlled way, personal injury or injury to others may result. **NEVER DIRECT COMPRESS AIR AT PEOPLE OR ANIMALS.** Be careful not to accidentally direct compressed air onto you own bare skin.
4. Before attempting to operate this equipment you must familiarise yourself with the equipment, its controls and operating characteristics.
5. Before starting your work, think and plan ahead to ensure you, and others around you, will be working in a safe environment.
6. Vibration from this equipment may be at a level that could be hazardous to the user, if operated for extended periods. Always wear gloves and ensure hands are warm before starting work and they remain warm and dry. Do not grasp the equipment too tightly, only sufficient to safely control the machine. If you experience tingling, numbness or loss of strength in the fingers – stop working immediately. Take frequent breaks and exercise the hands and arms to minimise risks.
7. When operating this equipment, it is recommended that the following items of Personal Protective Equipment (PPE) be worn:
  - Ear defenders giving protection for levels up to 86dB(A).
  - Impact resistance goggles to EN166-B or BS2092, Grade 1.
  - Dust mask providing a minimum protection up to EN149 ffp2(s).
  - Appropriate industrial gloves.
  - High visibility vest or similar reflective clothing.

**NOTE:** Other types of work, or environment, may require a higher level of PPE.

### OPERATING AREA SAFETY

8. Before commencing work, ensure that the area you are to operate the equipment in is a safe environment. Erect safety barriers and warning signs as necessary.
9. Site the compressor on firm, level ground and as far away from people as possible.
10. Make sure that the work area is clear of obstructions and hazards (projections, cables, pipes, etc.) and that no one is close by that could distract you whilst operating the equipment.
11. Anybody who is working near to you will also need to wear the appropriate PPE.

12. Before commencing work, warn others who may be working in the vicinity of the equipment, to keep clear. If possible place safety barriers and signs around your work area.
13. If using groundbreaking tools, ensure that any underground cables, pipes, etc. will not be damaged.
14. Protect others from noise.
15. Do not use this equipment where there is a danger of igniting fumes from petrol, or gas cylinders.

### BEFORE OPERATING THE EQUIPMENT

#### SAFETY CHECKS

16. Visually inspect the equipment for serviceability (completeness, signs of damage, undue wear, etc.). Do not use the equipment if found damaged or worn - contact the hire company immediately.
17. Before attempting to operate the equipment, familiarise yourself with the equipments controls. Make sure you understand their purpose and function.
18. Before you start the equipment, you must know how to **STOP** it in an emergency.

### OPERATING THE EQUIPMENT

#### USING THE EQUIPMENT

19. A compressor can be large and heavy. Do not attempt to move it on your own, enlist assistance.
20. Once sited, apply the compressors handbrake firmly and 'chock' all wheels.
21. Only use the air hoses supplied by the hire company.
22. Check, and top-up if necessary, the oil reservoir for lubricating the air tools.
23. Ensure all air hose connections are clean before connecting.
24. Do not modify, attempt to repair or obstruct the compressors safety devices.
25. Only pressurise the compressor to its safe working pressure.
26. Once the compressor has been started, check for any air leaks.
27. Whenever possible, run the compressor with its covers closed to help reduce noise levels.
28. Release the compressors air pressure before disconnecting, or connecting, any air tool.
29. Do not use compressed air to do any of the following tasks:
  - To clean work areas, air tools or clothes.
  - Use near any oxygen generated flame heating, or cutting equipment.
  - Use near any source of fire or flame.
  - Use to supplement any form of breathing or ventilation equipment.
30. Stop working and switch-off the machine if someone approaches you.
31. Switch-off and release the air pressure when the compressor is not in use.
32. If anyone approaches you, stop working.

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**STARTING AND STOPPING THE EQUIPMENT**

**Note:** If the hire company has provided you with special or additional instructions, you must follow them. Otherwise, follow the instructions given below.

**ELECTRIC START**

33. Ensure the hand brake has been fully applied; the gear lever is in '**NEUTRAL**' and that the '**STOP CONTROL**' knob is pushed fully home.
  34. Rotate the ignition key part way to engage the '**COLD START**' device and hold it in that position for 20 seconds, then rotate the key further to start the equipment whilst keeping the throttle '**OPEN**'.
  35. If the equipment fails to start after a few seconds, repeat the procedure at step 34 (above) again, maintaining the key at the '**COLD START**' position a few seconds longer.
- Note:** If the equipment has previously been running, there is no requirement to operate the '**COLD START**' device.
36. To stop the engine, pull out the '**STOP CONTROL**' knob, never use the '**DECOMPRESSION**' lever and remove the ignition key.

**REFUELLING**

43. Refuel with diesel only.
44. The engine must not be running whilst refuelling. Warm engines must be allowed to cool down first.
45. Do not smoke whilst refuelling.
46. Clean the area around the fuel filler cap, then, remove it.
47. Using a clean funnel, pour diesel into the fuel tank. Care must be taken not to overfill or spill. Fuel spilt on the engine must be wiped dry, that spilt on the ground must be removed and the area covered with sand or earth. Fuel soaked clothes must be removed.
48. Replace the fuel cap securely.

**TOWING THE EQUIPMENT**

49. The equipment to be towed must not exceed 85% of the kerbside weight of the towing vehicle.
50. The towing vehicle must have a compatible towing hook, or device, to that of the equipment to be towed.
51. Check the equipments tow bar and hitch for wear, damage and security.
52. Check the tyres for serviceability and correct air pressure.
53. Ensure the towing hitch is securely attached and locked to the towing vehicles towing hook, or device, before moving off.
54. Ensure the safety chain is fitted securely.
55. The jockey wheel, or leg stand, must be fully retracted and locked in position before moving-off.
56. Ensure the towing cable (for rear lights and indicators) is securely connected to the towing vehicle. Check for correct operation of rear lights and indicators before moving-off.

**SECURITY & MAINTENANCE**

57. Visually check the condition of the compressor (gauges, hoses, connections etc.) at the start of each day.
58. Periodically check the oil level in the oil lubrication container. Top-up as necessary.
59. Periodically check the compressor and hoses for air leaks.
60. If the equipment operates erratically, or incorrectly, do not use and do not attempt to repair it. Inform the hire company.
61. Periodically clean the compressor to ensure it is free from dust, dirt and other debris.
62. When the equipment is left unattended for long periods (i.e. overnight), ensure it is made secure (wheel clamp and hitch lock) to prevent unauthorised use or loss.

**COLLECTION & PICK-UP**

63. For safety reasons this equipment requires you to use a **LORRY** or a **towing bar**.

