

# SAFETY/RISK/HAZARD ASSESSMENT

## PLANT INFORMATION

**NHG Ref/Part No.**

**AIRCOM290 BH**

**Plant Name:**

**Air Compressor 290 BH Diesel**

**Operator Competency:**

**Plant Licence Not Required**

*It is the hirer's responsibility to ensure that all operators are competent.*

Use appropriate personal protective equipment



## RISK ASSESSMENT INFORMATION

### Potential Hazard(s)

#### Injury

Risk Level

Medium - High

Control measures

- Make sure that all protective covers are in place and that the canopy/doors are closed during operation.
- The specification of this machine is such that the machine is not suitable for use in flammable gas risk areas. If such an application is required then all local regulations, codes of practice and site rules must be observed.
- To ensure that machine can operate in a safe and reliable manner, additional equipment such as gas detection, exhaust spark arrestors, and intake (shut-off) valves may be required, dependent on local regulations or the degree of risk involved.
- Air discharged from this machine may contain carbon monoxide or other contaminants which will cause serious injury or death. Do not breathe this air.
- Compressed air can be dangerous if incorrectly handled.
- Ensure that the machine is operating at the rated pressure and that the rated pressure is known to all relevant personnel. All air pressure equipment installed in or connected to the machine must have safe working pressure ratings of at least the machine safety valve rating.
- If more than one compressor is connected to one common downstream plant, effective check valves and isolation valves must be fitted and controlled by work procedures, so that one machine cannot accidentally be pressurized or over pressurized by another.
- Compressed air must not be used for a feed to any form of breathing apparatus or mask.
- The discharged air contains a very small percentage of compressor lubricating oil and care should be taken to ensure that downstream equipment is compatible. If the discharged air is to be ultimately released into a confined space, adequate ventilation must be provided.
- When using compressed air, always use appropriate personal protective equipment.
- All pressure containing parts, especially flexible hoses and their couplings, must be regularly inspected, be free from defects and be replaced according to the Manual instructions. Avoid bodily contact with compressed air.
- The safety valve located in the separator tank must be checked periodically for correct operation.
- Never operate unit without first observing all safety warnings and carefully reading the operation and maintenance manual
- Never operate the engine of this machine inside a building without adequate ventilation.

- Avoid breathing exhaust fumes when working on or near the machine.
- Do not alter or modify this machine.
- A battery contains sulfuric acid and can give off gases which are corrosive and potentially explosive. Avoid contact with skin, eyes and clothing. In case of contact, flush area immediately with water.
- Keep all non-essential personnel/unauthorised persons clear of the work site by using barricades if necessary.
- High Pressure Air can cause serious injury or death. Relieve pressure before removing filler plugs/caps, fittings or covers. Air pressure can remain trapped in air supply line which can result in serious injury or death. Always carefully vent air supply line at tool or vent valve before performing any service.
- This machine produces loud noise with doors open or service valve vented. Extended exposure to loud noise can cause hearing loss. Always wear hearing protection when doors are open or service valve is vented.
- Do not remove the pressure cap from a HOT radiator. Allow radiator to cool down before removing pressure cap.
- Do not use petroleum products (solvents or fuels) under high pressure as this can penetrate the skin and result in serious illness.
- Wear eye protection while cleaning unit with compressed air to prevent debris from injuring eye(s).
- Disconnected air hoses whip and can cause serious injury or death. Always attach a safety flow restrictor to each hose at the source of supply or branch line
- Use care to avoid contacting hot surfaces (engine exhaust manifold and piping, air receiver and air discharge piping, etc.).
- Never operate unit with guards, covers or screens removed.
- Keep hands, hair, clothing, tools, blow gun tips, etc. well away from moving parts.
- Make sure wheels, tires and tow bar connectors are in safe operating condition and tow bar is properly connected before towing.
- Stop machine to add fuel.

## KEY OPERATING INSTRUCTIONS

**Please refer to the User Guide and Operators Manual  
for detailed Operating Instructions**

*The safety information contained in this assessment is general information only and should not be relied upon as a substitute for professional advice or tuition, which the hirer should seek before operating.*