

EXTRACTION FAN**SAFETY/RISK/HAZARD ASSESSMENT****PLANT INFORMATION**

NHG Ref/Part No.

Plant ID: EXTFAN2

Plant Name: 300mm Ventilator Extraction Fan

Potential Noise Level in Db: 95 - 100 db

Required hearing protection class: 3

Operator Competency: Plant Licence Not Required
It is the hirer's responsibility to ensure that all operators are competent.

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



RISK ASSESSMENT INFORMATION

Potential Hazard(s)

Injury due to contact with moving parts

Risk Level	Medium
Control Measures	<p>Keep children and/or persons with reduced physical, sensory or mental capabilities away from fan</p> <p>Never insert fingers or objects through the guards.</p> <p>Never leave running fan unattended</p> <p>Never operate without ALL guards in place, including inlets and discharge guards/grills.</p> <p>Do not use in a confined space as this could cause injury or death by asphyxiation?</p> <p>Do not use inside a tank or confined area that contains, or did contain any volatile fumes, gases or liquids.</p> <p>Do not locate in a corrosive atmosphere or where ambient temperature will exceed 40° C.</p> <p>Do not exhaust any air, gas or fumes which can exceed 66° C.</p>

Illness due to exposure to dust/fumes

Risk Level	Medium
Control Measures	<p>Wear protective equipment such as dust mask and respirator, and eye protection</p> <p>Asbestos – never attempt to remove, cut, drill etc. any asbestos unless you are properly trained and certified to do so.</p> <p>Avoid exposure to dust known to cause cancer, birth defects, etc. Examples are, but not limited to:</p> <ul style="list-style-type: none">• Lead from lead based paints• Crystalline silica from bricks, cement and other masonry products• Arsenic and chromium from chemically treated timbers.

Burn hazard

Risk Level	Low
Control Measures	<p>Avoid contact with hot components. Allow engine to cool before attempting any maintenance.</p>

KEY OPERATING INSTRUCTIONS

1. Check machine is turned off before connecting to power source
2. Turn ventilator ON/OFF switch to ON.
3. Do not move or carry the fan whilst it is running
4. To turn OFF, turn the ON/OFF switch to OFF

For Exhausting Contaminated Air such as welding fumes, the fumes collected should be ducted to the outside of your work area or building. The ventilation fan must be located as close as possible to both the operation and the outside of the building.

NOTE – a ventilation duct may be required for this type of application. Fitting a ventilation duct will reduce the airflow by about 5-15 CFM for every additional metre of hose or installed ducting (not included). Each 90° change in ducted airflow direction will reduce the airflow by approximately 15-10 CFM.

**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.