

- 15 **ENSURE** that there are no hidden electrical cables, water or gas pipes under the surface of the area you are working
- 16 When drilling on a smooth floor at right angles to the unit then the vacuum plate (if supplied), will be strong enough to hold the unit in place.
- In all other drilling applications such as drilling at right angles or in to walls or ceilings then the unit **MUST** be additionally braced and/or anchored.
- If the unit is without a vacuum plate then it will be required to be braced and/or anchored for all applications.
- 17 **DO NOT** force the cutting process, a constant pressure is all that is required.
- 18 **DO NOT** disconnect the water supply until the unit has been switched off and depressurised.
- 19 **CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.
- 20 **DO NOT** attempt repairs. Contact the Hire Company.
- 21 **CHECK** that the voltage of the supply is correct. The diamond drilling rig will be either 110V or 230V.
- 22 The use of a low voltage machine at 110V (CTE) will effectively eliminate the risk of death and greatly reduce the degree of injury from an electric fault.
- 23 Use a machine with the lowest possible voltage to suit the job.
- 24 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.

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When using a 230V machine 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 machine and its power cable.
- b) The RCD should be protected from dust, wet weather, mechanical damage and vibration.
- c) The tools, 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)
 - **CHECK** the equipment for damage and **CHECK** for loose or missing parts or screws
 - 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.

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A diamond drilling rig using 110 volts should be checked weekly as in 25(c) above.

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If the automatic cut-out operates, allow the motor to cool before re-starting.

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DO NOT carry the machine by its cable or disconnect a plug by pulling its cable.

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Unplug from the power supply before making adjustments to the machine.



CPA. 27/28 Newbury Street, Barbican, London EC1A 7HU.
Tel: 020 7796 3366. Fax: 020 7796 3399.
Email: enquiries@cpa.uk.net
Website: www.cpa.uk.net