



- 16 **ALWAYS** check the condition of the belt before commencing operation.
- 17 **CHECK** that all persons and animals are clear of the work area. Barriers and signs may be required to prevent unauthorised personnel from entering the area.
- 18 **ENSURE** that the machine is positioned on a level surface whenever possible.
- 19 When more than one elevator is used, ensure that they are clamped together to prevent movement of the elevator during operation.
- 20 **ENSURE** that side extensions and loading hoppers are secured in place before operations commence as these keep bulky material on the belt.
- 21 At transfer points some spillage may occur this can be reduced by the use of either hoppers or side extensions.
- 22 When starting the elevator allow time for it to reach operating speed before loading materials on to the belt.
- 23 After stopping the motor allow time for the machine to stop rotating (if the machine is **NOT** fitted with an automatic brake).
- 24 **DO NOT** attempt repairs. Contact the Hire Company.

#### **ELECTRIC ELEVATORS**

- 25 **CHECK** that the voltage of the supply is correct. The builder's elevators will be either 110V or 230V.
- 26 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.
- 27 Use a machine with the lowest possible voltage to suit the job.
- 28 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.

29

**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 elevator and its power cable.
- b) Pass the power cable over the shoulder to keep it clear of the blade and position the rest where it is less likely to be damaged.
- c) The elevator's, 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 are 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 outer casing of 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 builder's elevator using 110 volts should be checked weekly as in 29(c) above.

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Use only cables supplied by the hirer.

32

**DO NOT** attempt to move the machine unless the power has been switched off.

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Switch off and unplug when not using the equipment.

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**CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.

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

## PNEUMATIC ELEVATORS

- 36 **CHECK** that hoses and couplings are not damaged. Failure can cause injuries.
- 37 Air hoses must be blown out before connecting to the elevator. Hold the open end securely and open the air cock **CAREFULLY**. A blocked hose can become an air gun.
- 38 **CHECK** that all couplings are secure. If a coupling parts the hose will "whip". **NEVER** attempt to catch and hold it down, turn off the air supply.
- 39 **DO NOT** lift or lower the elevator using its air hoses.
- 40 Compressed air can be used to clean down equipment with extreme caution. Wear eye protection and ear defenders when carrying out this operation.
- 41 **DO NOT** use compressed air to clean yourself and **DO NOT** direct it at another person.
- 42 **CHECK** that the air pressure has been released before disconnecting any coupling.

## HYDRAULIC/ELECTRICAL ELEVATORS

- 43 Before the hydraulic elevator is operated the operator **MUST** understand that hydraulic fluid creates very high pressures which can cause serious injury to personnel or damage property.
- 44 **DO NOT** attempt to move or reposition the elevator while under hydraulic pressure.
- 45 Release the pressure from the equipment if a leak develops and contact the Hire Company.
- 46 **CHECK** the reservoir oil levels before and during operation.
- 47 Release the pressure before leaving the elevator unattended.
- 48 **CHECK** that the voltage of the supply is correct. The hydraulic elevator will be either 110volts or 230volts.