

MOST IMPORTANT - RISK ASSESS!!!

Before you commence any work at your chosen work area, you should undertake some preliminary **hazard identification and risk control precautions**. Ideally more than one person should do this. This is undertaken by:

1. Physically inspecting the work site
2. Reviewing the best way/job steps required to complete the task
3. Reviewing the Safe Work Information supplied with the equipment
4. Reviewing other reference documentation and expert advice

The hazard identification and control process steps are defined as:

1. Identify the Hazards (e.g. uneven ground, ground hardness, or other site conditions)
2. Assess the Risk (e.g. possible injury resulting from material falling into pit area)
3. Select the Control Measure (e.g. ensure ground is level and suitable, ensure spacers, pins, struts etc are appropriate and correctly fitted)
4. Re-assess the Risk (risk of falling material now negligible). This is undertaken to ensure that the risk control measures adopted have not introduced any new risks to the work area.

HELP

If the unit does not operate correctly or you are unhappy with any aspect of the equipment, return it to the nearest Kennards Hire Centre for exchange or phone for assistance. **Do not attempt repairs yourself.**

Refer to your Hire Contract for details of our **AFTER HOURS EMERGENCY NUMBER**.

SAFETY DO'S

DO take your time; **Read this User Guide** and any other Safety Information provided (e.g. decals, manufacturer's instructions), completely and in its entirety, **BEFORE** operating the equipment.

DO satisfy yourself that you have the correct machine for the job and you know how to properly and safely operate it. (There are many different types of equipment available to make your job easy).

DO ensure you fully understand and are familiar with the equipment and its operations including uncontrolled or unexpected movement, emergency shut down/response and follow instructions provided by the hirer.

DO ensure that the equipment is assembled and used according to the manufacturers and hirer's instructions.

DO make sure you possess a Certificate of Competency issued by the relevant Regulatory Authority where required to operate particular equipment.

DO check controls and safety devices for proper response.

DO where possible; operate in a clear work area free from non-essential persons, children, animals or hazards.

DO ensure the work environment is well lit with all aspects of the job easily seen and discernable.

DO check and assess the equipment at the start and end of each day and report any damage or defects.

DO wear appropriate PPE if necessary depending on task.

SAFETY DON'TS

DO NOT operate any equipment if you are tired or suffering any medical condition, or if under the influence of drugs or alcohol which may cause lethargy or dangers to yourself or others.

DO NOT hurry and take risks.

DO NOT use equipment for a job it was not designed for.

DO NOT operate any equipment with personnel within the work zone.

DO NOT operate equipment without guards correctly fitted.

DO NOT use faulty or damaged equipment. If in doubt contact your local Kennards Hire Centre.

PERSONAL PROTECTION EQUIPMENT (PPE)**CLOTHING**

* Clothes shall be appropriate and close fitting, with no loose articles such as cuffs, ties, necklaces, rings etc, which can be caught in rotating machine parts.

* Long hair shall be constrained through netting, tying or other close fitting apparel.

* Always wear all appropriate Personal Protective Equipment such as safety goggles, ear muffs, safety boots, helmet etc, appropriate for the task or equipment and as indicated.

EQUIPMENT

* Thoroughly familiarise yourself with the safety precautions associated with the operation of any equipment before attempting to use it.

* Ask for assistance and refer to supplier's manual(s) if you are not sure of the correct use of the equipment.

* Ensure all equipment guards are in place; operational and all cutting tools are sharp

* Never force tools or use equipment for purposes other than those for which they were designed.

USING TOOLS & EQUIPMENT

* When using tools and equipment do not over reach.

* Ensure that you have firm footing and are always ready to handle any reaction the equipment may make.

ELECTRICAL EQUIPMENT

* Ensure that any electrical equipment or extension lead that you are using has been electrically tested, tagged and dated by a competent person within the last 3 months.

* Always disconnect equipment from the power supply before fitting or removing any parts of the equipment, likewise in removing any foreign objects from the inside or outside of the equipment.

* DO NOT ever lock switches in "on" position with tape, wire or by any other means.

* Always ensure that the power outlet you are using is protected by an RCD (Residual Current Device) safety switch. Use an approved portable RCD if your power outlet is not RCD protected.

* Always be careful when using electrical equipment in a "wet" environment or in the presence of water and/or other fluids.

* Always be very careful when using extension leads as a significant voltage drop can occur when using lengthy leads, potentially compromising personal safety and leading to possible equipment damage.

* Always uncoil extension leads and remove any twisting to prevent them from overheating during use.

* Before using, ensure all electrical leads are not damaged.

* Where possible keep all leads off floor, from being pinched or crushed and away from water and/or moisture.

* DO NOT use electrical appliance where the operation can trigger an explosion of gases, vapours, liquids, dusts or other substances.

This operating and safety brochure is intended as a guide only for the safe operation of this equipment. It does not override license requirements nor is it a substitute for a structured operating lesson.

If you are unsure about any aspect of this equipment or its capabilities or if you are in doubt as to its proper usage, feel free to consult our trained employees for instructions or the answers to any questions you may have regarding the safe operation of this equipment.

HIGH PRESSURE WATER

* Use extreme care when using high pressure submersible water pumps.

* Ensure the correct Personal Protective Equipment (PPE) as shown on the specific safety information sheet is used when undertaking work involving the operation of any pressurised equipment.

* To ensure correct use of PPE when using hazardous substances (eg thinners or other harmful fluids) obtain a Material Safety Data Sheet (MSDS) from your supplier. The MSDS also provides other valuable health and safety information pertaining to the product you are using.

HANDLING

* Before handling read the compliance plate affixed to the equipment to ensure the correct accessories are available to move/lift the equipment

* Ensure the correct manual handling procedures are used when moving the equipment

* Be careful as any job that involves heavy labour or manual material handling may include a high risk for injury on the job.

240 VOLT SUBMERSIBLE PUMP

* Uncoil/unravel and untwist the flexible delivery hose.

* Uncoil/unravel and untwist the electrical power lead.

* Before installing the pump, couple the flexible delivery hose to the unit.

* Install the pump into position using the handle and/or the rope/chain attached to the handle (never lower the pump into position using the electrical cable as damage will most likely occur).

415 VOLT SUBMERSIBLE PUMP

* Uncoil/unravel and untwist the flexible delivery hose.

* Uncoil/unravel and untwist the electrical power lead.

* Before installing the pump, couple the flexible delivery hose to the unit.

* Install the pump into position using the handle and/or the rope/chain attached to the handle (never lower the pump into position using the electrical cable as damage will most likely occur).

* Care should be taken when installing the pump to prevent damage to the delivery hose and electrical cable, especially since machinery may be involved to position the unit.

* Should the pump fail to start, turn the phase shifter/switch until the pump commences operation (hence aligning the phases exactly and allowing the correct rotation of the pump).

* NB. The phase shifter/switch should be located at the plug end of the electrical cable (should there be no phase shifter/switch present on the lead then the socket will need to be re-wired



Phase Shifter/Switch

TROUBLESHOOTING

* Should any issues arise with the functionality of the equipment please contact the branch of origin (details can be found at the top of your hire contract)

SPECIFICATION

* Refer specific technical data sheet for details such as weight, dimensions, voltage and performance etc.



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