



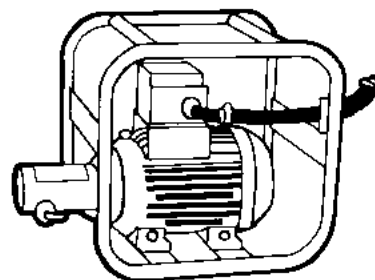
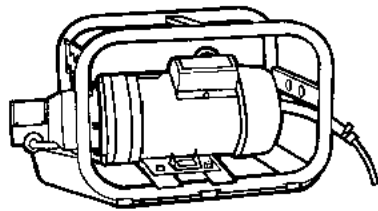
Flextool



ELECTRIC DRIVE UNIT

DE17S - DE22S - DE22T - DE40T

OPERATING INSTRUCTIONS



WARNING

To reduce the risk of injury, all operators and maintenance personnel must read and understand these instructions before operating, changing accessories, or performing maintenance on Flextool power equipment. All possible situations cannot be covered in these instructions. Care must be exercised by everyone using, maintaining or working near this equipment.

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INTRODUCTION

Thank you for your selection of Flextool equipment. Flextool have specialised in the design and manufacture of quality products since 1951.

We have taken care in the design, manufacture and testing of this product. It is covered by a six month warranty. Should service or spare parts be required, prompt and efficient service is available from our branches.

It is essential that the operator takes particular care to use the machine properly and minimise any potential hazards to himself or others. We recommend that all operators and service personnel read, understand and follow this manual.

APPLICATIONS

All heavy duty vibrators
All submersible pumps

FUNCTION

This portable drive unit is designed to power flexshaft drive submersible pumps and model VP (pendulum) vibrators. A quick action 60 mm diameter flexible shaft coupling with aluminium alloy housing, rotary trigger latch and hardened 45 mm 3-tooth dog drive enable ease of use by allowing the operator to simply engage or disengage the flexible shaft coupling, to facilitate either a change of position or a change of flexshaft driven device.

FUNCTIONS AND CONTROLS

Bell housing / Rotary trigger

Is mounted directly to the motor and enables quick connection between the coupling and the 3-tooth dog drive mounted to the motor shaft. The rotary trigger latch assures a positive engagement between drive dogs.

Power supply

Electrical power is controlled by an on/off switch or push button which is mounted on the motor. A thermal overload protection device is fitted to the DE22S single

phase motor. It is located below the switch. If the motor stops, switch the machine OFF, determine the cause of the problem, allow the motor to cool, then press the reset button. If the motor fails to start, check the power supply, fuses or circuit breaker and leads.

HAZARDS AND RISKS

NEVER allow any person to operate machine without adequate instruction.

ENSURE all operators read, understand and follow the operating instructions.

SERIOUS INJURY may result from improper or careless use of this machine

! MECHANICAL HAZARDS

DO NOT operate the machine unless all protective guards are in place

KEEP hands and feet clear of rotating and moving parts as they will cause injury if contacted.

ENSURE that the electricity supply to the motor is disconnected/isolated before removing guards or making adjustments.

ENSURE both the machine and the operator are stable by setting up on level terrain and the machine will not move or fall while in operation or unattended.

DO NOT leave the machine in operation while it is unattended.

KEEP bystanders and animals clear of the work area.

! ELECTRICAL HAZARDS

THE RISK OF SERIOUS OR LETHAL INJURY FROM ELECTRICAL SHOCK may arise from the combination of electricity and moisture.

ELECTRICAL HAZARDS may be high due to the careless use of equipment and extension leads.

USE AN ELECTRICAL SUPPLY EQUIPPED WITH A RESIDUAL CURRENT DEVICE (RCD) for protection against electrocution. A RCD is an electronic protection device that is available for connection between the power source and the equipment. It is designed to monitor the balance of the current flow in the active and neutral wires of the plugged-in equipment and immediately trips before a fatal amount of power can pass through the operator. The RCD can be permanently wired at the supply switchboard or inserted as a removable plug-in device in the electric cable, in which case it should be located as close to the supply as possible with the RCD located before any extension leads.

ONLY use the motor with a correctly grounded outlet.

INSPECT electrical leads, plugs and sockets regularly for damage.

DO NOT operate the machine using coiled or tangled extension leads.

ENSURE that repairs to the electric motor and wiring are carried out immediately by QUALIFIED personnel.

DO NOT hose the machine while the electrical supply is connected.

! NOISE HAZARDS

EXCESSIVE NOISE can lead to temporary or permanent loss of hearing.

WEAR an approved hearing protection device to limit noise exposure, As required by Occupational Health and Safety regulations.

! ADDITIONAL HAZARDS

Slip/Trip/Fall is a major cause of serious injury or death. Beware of power leads, excess hose, the flexible shaft and water left on the walking or work surface.

DO NOT allow waste water to accumulate under foot.

Exercise caution and ensure that the perimeter of elevated formwork or platforms is protected.

Exercise care when working in the vicinity of unprotected holes or excavations

INSTALLATION

It is essential that the model DE22S, 2.2 kW electric drive unit is installed correctly in accordance with operating instructions and the following guidelines.

Failure to observe these requirements will void the warranty.

The motor should be permanently wired to the electrical supply by a qualified electrician. (It is for this reason that it is supplied without a cable and plug-top.)

The electric supply should incorporate a current overload protection device that is adjustable and set at no more than 13.5 amp. (This is to provide additional protection in the event of failure of the built-in thermal overload.)

After completion the installation should be checked by the electrician. Ensure that when the pump is operating under typical conditions at maximum discharge / minimum head conditions, the 13.5 amp current rating of the motor is not exceeded. (If the current exceeds the nameplate rating install a valve in the discharge outlet and reduce the flow rate until the current is within the motor rating.)

OPERATION

DO NOT engage or disengage the drive coupling in a motor that is already running.

Before using the motor after an electrical repair or if using a three phase reversible motor, check the direction of rotation as shown by the direction arrow on the bell housing before engaging the drive coupling. (Rotation should be anti-clockwise when viewing the drive dog front on.)

A 240 volt single phase electric motor can run in reverse due to incorrect internal connection of the motor winding when repaired.

A 415 volt three phase electric motor can run in reverse if operated from a power connection with incorrect phase rotation.

To engage the flexible shaft with the drive unit, turn the bell housing trigger 180 degrees. Insert the flexshaft coupling fully into the housing of the drive unit and release the trigger. Push the coupling into the housing and twist the flexible shaft until the drive dogs are fully engaged and the trigger returns to the horizontal position.

When an extension lead is used, select the shortest length and heaviest conductor size available to minimise voltage drop and prevent motor "burn out".

Start the electric motor by turning/pushing the on/off switch mounted on the motor to ON.

Drive units should be operated on a level surface. If the surface is not level the drive unit should be restrained to ensure that it does not move due to vibration or the weight of the pump and the hose.

CARE AND PREVENTIVE MAINTENANCE

Check the electric motor switch and if fitted, capacitor covers for damage and "water tightness" each week.

Check the condition of the drive dog regularly and that the three tooth drive dogs are fully meshed. The position of the drive dog on the spindle is critical and should also be checked. The correct distance from the face of the teeth to the face of the bell housing is 73 mm (2.7/8 inches).

Worn and poorly operating triggers together with worn grooves in the shaft coupling will lead to a shorter operating life and should be replaced before they have worn excessively.

CLEANING AND STORAGE

Keep the unit clean and free of concrete residue.

Ensure the cooling fins on the motor are kept unobstructed.

HAZARD EVALUATION AND CONTROL

Description of Plant: Drive Unit - Electric

Model No: DE17S / DE22S / DE22T / DE40T

Assessed By: Evan Miller

Company : Flextool (Aust) Pty Ltd

Date: 1/10/97

Issue: A

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
A - ENTANGLEMENT 1 Can anyone's hair, clothing, gloves necktie, jewellery, cleaning brushes, rags, or other materials become entangled with moving parts of the plant, or materials in motion?	Y	Entanglement with output shaft, drive dog while rotating	5	C	* Do not operate the machine unless all protective guards are in place * Keep hands and feet clear of rotating and moving parts as they will cause injury if contacted. * Ensure that the electricity supply to the motor is disconnected/isolated before removing guards or making adjustments.
B - CRUSHING 1. Can anyone be crushed due to:-					
a. Material falling off the plant?	N				
b. Uncontrolled or unexpected movement of the plant or its load?	N				
c. Lack of capacity for the plant to be slowed, stopped or immobilised?	N				
d. The plant tipping or rolling over?	Y	In use on an incline	5	E	* Ensure both the machine and the operator are stable by setting up on level terrain and the machine will not move or fall while in operation or unattended.
e. Parts of the plant collapsing?	N				
f. Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	N				
g. Being thrown off or under the plant?	N				
h. Being trapped between the plant and material or fixed structures?	N				

* Refer to Flextool operating instructions.

Likelihood of Occurrence
 1. Expected to Happen
 2. Common
 3. Sometimes
 4. Rarely
 5. Highly Unlikely

Severity of Result
 A. Fatality
 B. Permanent Disability
 C. Lost Time Injury
 D. Medical Treatment
 E. First Aid Injury

HAZARD EVALUATION AND CONTROL

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
i. Other factors not mentioned?	N				
C. CUTTING, STABBING & PUNCTURING? 1. Can anyone be cut, stabbed or punctured due to:					
a. Coming in contact with sharp or flying objects?	N				
b. Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?	Y	Output shaft, drive dog contact while rotating	5	E	* Do not operate the machine unless all protective guards are in place * Keep hands and feet clear of rotating and moving parts as they will cause injury if contacted. * Ensure that the electricity supply to the motor is disconnected/isolated before removing guards or making adjustments.
c. The plant, parts of the plant or work pieces disintegrating?	N				
d. Work pieces being ejected?	N				
e. The mobility of the plant?	N				
f. Uncontrolled or unexpected movement of the plant?	N				
g. Other factors not mentioned?	N				
D. SHEARING 1. Can anyone's body parts be sheared between two parts of the plant, or material handled by the plant?	Y	Rotating output shaft, drive dog against stationary guard	5	C	* Keep hands and feet clear of rotating and moving parts as they will cause injury if contacted. * Ensure that the electricity supply to the motor is disconnected/isolated before removing guards or making adjustments.
E. FRICTION 1. Can anyone be burnt due to contact with moving parts or surfaces of the plant, or between a part of the plant and a work piece or structure?	N				

* Refer to Flextool operating instructions.

- Likelihood of Occurrence**
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- Severity of Result**
- A. Fatality
 - B. Permanent Disability
 - C. Lost Time Injury
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HAZARD EVALUATION AND CONTROL

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
F. STRIKING 1. Can anyone be struck by moving objects due to :					
a. Uncontrolled or unexpected movement of the plant?	Y	Plant moving while unattended	4	E	* Do not leave the machine in operation while it is unattended
b. The plant, parts of the plant or work pieces disintegrating?	N				
c. Work pieces being ejected?	N				
d. Mobility of the plant?	N				
e. Other factors not mentioned?	N				
G. HIGH PRESSURE SUBSTANCES 1. Can anyone come into contact with substances under high pressure, due to plant failure or misuse of the plant?	N				
H. ELECTRICAL 1. Can anyone be injured by electrical shock or burnt due to:	N				
a. The plant contacting live electrical conductors?	N				
b. The plant working in close proximity to electrical conductors?	N				
c. Overload of electrical circuits?	N				

* Refer to Flextool operating instructions.

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HAZARD EVALUATION AND CONTROL

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
d. Damaged or poorly maintained electrical leads and cables?	Y	Contact with live electrical conductors	5	A	<ul style="list-style-type: none"> * The risk of Sserious or lethal injury from electrical shock may arise from the combination of electricity and moisture. * Electrical hazards may be high due to the careless use of equipment and extension leads. * Use an electrical supply equipped with a residual current device (RCD) for protection against electrocution. * Only use the motor with a correctly grounded outlet. * Inspect electrical leads, plugs and sockets regularly for damage. * Do not operate the machine using coiled or tangled extension leads. * Ensure that repairs to the electric motor and wiring are carried out immediately by qualified personnel. * Do not hose the machine while the electrical supply is connected.
e. Damaged electrical switches?	Y	Contact with live electrical conductors	5	A	<ul style="list-style-type: none"> * The risk of Sserious or lethal injury from electrical shock may arise from the combination of electricity and moisture. * Electrical hazards may be high due to the careless use of equipment and extension leads. * Use an electrical supply equipped with a residual current device (RCD) for protection against electrocution. * Only use the motor with a correctly grounded outlet. * Inspect electrical leads, plugs and sockets regularly for damage. * Do not operate the machine using coiled or tangled extension leads. * Ensure that repairs to the electric motor and wiring are carried out immediately by qualified personnel. * Do not hose the machine while the electrical supply is connected.

* Refer to Flextool operating instructions.

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 A. Fatality
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HAZARD EVALUATION AND CONTROL

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
f. Water near electrical equipment?	Y	Contact with live electrical conductors	4	A	<ul style="list-style-type: none"> * The risk of Serious or lethal injury from electrical shock may arise from the combination of electricity and moisture. * Electrical hazards may be high due to the careless use of equipment and extension leads. * Use an electrical supply equipped with a residual current device (RCD) for protection against electrocution. * Only use the motor with a correctly grounded outlet. * Inspect electrical leads, plugs and sockets regularly for damage. * Do not operate the machine using coiled or tangled extension leads. * Ensure that repairs to the electric motor and wiring are carried out immediately by qualified personnel. * Do not hose the machine while the electrical supply is connected.
g. Lack of isolation procedures?	Y	Contact with live current	4	A	<ul style="list-style-type: none"> * Ensure that the electricity supply to the motor is disconnected/isolated before removing guards or making adjustments. * Use an electrical supply equipped with a residual current device (RCD) for protection against electrocution. * Do not hose the machine while the electrical supply is connected.
h. Other factors not mentioned?	N				
I. EXPLOSION 1. Can anyone be injured by explosion of gases, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?	N				
J. SLIPPING, TRIPPING & FALLING 1. Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to:					
a. Uneven or slippery work surfaces?	Y	Slip, trip, fall	3	E	<ul style="list-style-type: none"> * Slip/Trip/Fall is a major cause of serious injury or death. Beware of power leads, excess hose, the flexible shaft and water left on the walking or work surface. * Do not allow waste water to accumulate under foot.

* Refer to Flextool operating instructions.

Likelihood of Occurrence
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HAZARD EVALUATION AND CONTROL

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
b. Poor housekeeping, eg, swarf in the vicinity of the plant, spillage not cleaned up?	Y	Slip, trip, fall	3	E	* Slip/Trip/Fall is a major cause of serious injury or death. Beware of power leads, excess hose, the flexible shaft and water left on the walking or work surface. * Do not allow waste water to accumulate under foot.
c. Obstacles being placed in the vicinity of the plant, other factors not mentioned?	N				
2. Can anyone fall from a height due to:					
a. Lack of proper work platform?	N				
b. Lack of proper stairs or ladders?	N				
c. Lack of guardrails or other suitable edge protection?	Y	Slip, trip, fall	4	C	* Exercise caution and ensure that the perimeter of elevated formwork or platforms is protected.
d. Unprotected holes, penetrations or gaps?	Y	Slip, trip, fall	4	C	* Exercise care when working in the vicinity of unprotected holes or excavations
e. Poor floor or walking surfaces, such as the lack of a slip-resistant surface?	N				
f. Steep walking surfaces?	N				
g. Collapse of the supporting structure?	N				
h. Other factors not mentioned?	N				
K. ERGONOMIC					
1. Can anyone be injured due to:					
a. Poorly designated seating?	N				
b. Repetitive body movement?	N				
c. Constrained body posture or the need for excessive effort?	N				

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 B. Permanent Disability
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 D. Medical Treatment
 E. First Aid Injury

HAZARD EVALUATION AND CONTROL

Hazard Description	Hazard Y/N	Plant & / or Situation	Likelihood	Severity	Risk Control
d. Inadequate or poorly placed lighting?	N				
e. Lack of consideration given to human error or human behaviour?	N				
f. Mismatch of the plant with human traits and natural limitations?	N				
g. Other factors not mentioned?	N				
L. SUFFOCATION 1. Can anyone be suffocated due to lack of oxygen, or atmospheric contamination?	N				
M. HIGH TEMPERATURE OR FIRE 1. Can anyone come into contact with objects at high temperature?	N				
N. TEMPERATURE (THERMAL COMFORT) 1. Can anyone suffer ill health due to exposure to high or low temperatures?	N				
O. OTHER HAZARDS 1. Can anyone be injured or suffer ill health from exposure to:	N				
a. Chemicals?	N				
b. Toxic gases or vapours?	N				
c. Fumes?	N				
d. Dust?	N				
e. Noise?	N				
f. Vibration?	N				

* Refer to Flextool operating instructions.

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|--|---|
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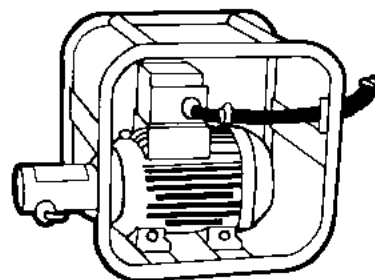
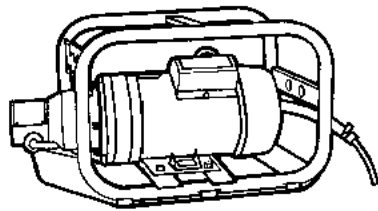
Flextool



ELECTRIC DRIVE UNIT

DE17S - DE22S - DE22T - DE40T

OPERATING INSTRUCTIONS



WARNING

To reduce the risk of injury, all operators and maintenance personnel must read and understand these instructions before operating, changing accessories, or performing maintenance on Flextool power equipment. All possible situations cannot be covered in these instructions. Care must be exercised by everyone using, maintaining or working near this equipment.

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It is essential that the operator takes particular care to use the machine properly and minimise any potential hazards to himself or others. We recommend that all operators and service personnel read, understand and follow this manual.

APPLICATIONS

All heavy duty vibrators
All submersible pumps

FUNCTION

This portable drive unit is designed to power flexshaft drive submersible pumps and model VP (pendulum) vibrators. A quick action 60 mm diameter flexible shaft coupling with aluminium alloy housing, rotary trigger latch and hardened 45 mm 3-tooth dog drive enable ease of use by allowing the operator to simply engage or disengage the flexible shaft coupling, to facilitate either a change of position or a change of flexshaft driven device.

FUNCTIONS AND CONTROLS

Bell housing / Rotary trigger

Is mounted directly to the motor and enables quick connection between the coupling and the 3-tooth dog drive mounted to the motor shaft. The rotary trigger latch assures a positive engagement between drive dogs.

Power supply

Electrical power is controlled by an on/off switch or push button which is mounted on the motor. A thermal overload protection device is fitted to the DE22S single

phase motor. It is located below the switch. If the motor stops, switch the machine OFF, determine the cause of the problem, allow the motor to cool, then press the reset button. If the motor fails to start, check the power supply, fuses or circuit breaker and leads.

HAZARDS AND RISKS

NEVER allow any person to operate machine without adequate instruction.

ENSURE all operators read, understand and follow the operating instructions.

SERIOUS INJURY may result from improper or careless use of this machine

! MECHANICAL HAZARDS

DO NOT operate the machine unless all protective guards are in place

KEEP hands and feet clear of rotating and moving parts as they will cause injury if contacted.

ENSURE that the electricity supply to the motor is disconnected/isolated before removing guards or making adjustments.

ENSURE both the machine and the operator are stable by setting up on level terrain and the machine will not move or fall while in operation or unattended.

DO NOT leave the machine in operation while it is unattended.

KEEP bystanders and animals clear of the work area.

! ELECTRICAL HAZARDS

THE RISK OF SERIOUS OR LETHAL INJURY FROM ELECTRICAL SHOCK may arise from the combination of electricity and moisture.

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USE AN ELECTRICAL SUPPLY EQUIPPED WITH A RESIDUAL CURRENT DEVICE (RCD) for protection against electrocution. A RCD is an electronic protection device that is available for connection between the power source and the equipment. It is designed to monitor the balance of the current flow in the active and neutral wires of the plugged-in equipment and immediately trips before a fatal amount of power can pass through the operator. The RCD can be permanently wired at the supply switchboard or inserted as a removable plug-in device in the electric cable, in which case it should be located as close to the supply as possible with the RCD located before any extension leads.

ONLY use the motor with a correctly grounded outlet.

INSPECT electrical leads, plugs and sockets regularly for damage.

DO NOT operate the machine using coiled or tangled extension leads.

ENSURE that repairs to the electric motor and wiring are carried out immediately by QUALIFIED personnel.

DO NOT hose the machine while the electrical supply is connected.

! NOISE HAZARDS

EXCESSIVE NOISE can lead to temporary or permanent loss of hearing.

WEAR an approved hearing protection device to limit noise exposure, As required by Occupational Health and Safety regulations.

! ADDITIONAL HAZARDS

Slip/Trip/Fall is a major cause of serious injury or death. Beware of power leads, excess hose, the flexible shaft and water left on the walking or work surface.

DO NOT allow waste water to accumulate under foot.

Exercise caution and ensure that the perimeter of elevated formwork or platforms is protected.

Exercise care when working in the vicinity of unprotected holes or excavations

INSTALLATION

It is essential that the model DE22S, 2.2 kW electric drive unit is installed correctly in accordance with operating instructions and the following guidelines.

Failure to observe these requirements will void the warranty.

The motor should be permanently wired to the electrical supply by a qualified electrician. (It is for this reason that it is supplied without a cable and plug-top.)

The electric supply should incorporate a current overload protection device that is adjustable and set at no more than 13.5 amp. (This is to provide additional protection in the event of failure of the built-in thermal overload.)

After completion the installation should be checked by the electrician. Ensure that when the pump is operating under typical conditions at maximum discharge / minimum head conditions, the 13.5 amp current rating of the motor is not exceeded. (If the current exceeds the nameplate rating install a valve in the discharge outlet and reduce the flow rate until the current is within the motor rating.)

OPERATION

DO NOT engage or disengage the drive coupling in a motor that is already running.

Before using the motor after an electrical repair or if using a three phase reversible motor, check the direction of rotation as shown by the direction arrow on the bell housing before engaging the drive coupling. (Rotation should be anti-clockwise when viewing the drive dog front on.)

A 240 volt single phase electric motor can run in reverse due to incorrect internal connection of the motor winding when repaired.

A 415 volt three phase electric motor can run in reverse if operated from a power connection with incorrect phase rotation.

To engage the flexible shaft with the drive unit, turn the bell housing trigger 180 degrees. Insert the flexshaft coupling fully into the housing of the drive unit and release the trigger. Push the coupling into the housing and twist the flexible shaft until the drive dogs are fully engaged and the trigger returns to the horizontal position.

When an extension lead is used, select the shortest length and heaviest conductor size available to minimise voltage drop and prevent motor "burn out".

Start the electric motor by turning/pushing the on/off switch mounted on the motor to ON.

Drive units should be operated on a level surface. If the surface is not level the drive unit should be restrained to ensure that it does not move due to vibration or the weight of the pump and the hose.

CARE AND PREVENTIVE MAINTENANCE

Check the electric motor switch and if fitted, capacitor covers for damage and "water tightness" each week.

Check the condition of the drive dog regularly and that the three tooth drive dogs are fully meshed. The position of the drive dog on the spindle is critical and should also be checked. The correct distance from the face of the teeth to the face of the bell housing is 73 mm (2.7/8 inches).

Worn and poorly operating triggers together with worn grooves in the shaft coupling will lead to a shorter operating life and should be replaced before they have worn excessively.

CLEANING AND STORAGE

Keep the unit clean and free of concrete residue.

Ensure the cooling fins on the motor are kept unobstructed.

WARRANTY

FLEXTOOL products are covered by warranty for a period of six (6) months from the date of purchase against defects in material or workmanship provided that:

- The product concerned has been operated and maintained in accordance with the operating instructions.
- Has not been damaged by accident, misuse or abuse.
- Has not been tampered with or repaired by any unauthorised person.

The owner is responsible for the cost of transportation to and from the authorised repairer and the unit is at the owners risk while in transit to and from the repairer.

SPECIFICATIONS

ELECTRICAL SUPPLY

Voltage

DE17S -	240 volt AC, 50 Hz
DE22S -	240 volt AC, 50 Hz
DE22T -	415 volt AC, 50Hz
DE40T -	415 volt AC, 50Hz

Current

DE17 -	9.6 amp
DE22S -	13.5 amp
DE22T -	4.6 amp
DE40T -	8.0 amp

MOTOR

DE17S -	1.50 kW (2.2 HP) output.
DE22S -	2.2 kW (3.0 HP) output.
DE22T -	2.2 kW (3.0 HP) output.
DE40T -	4.0 kW (5.4 HP) output.

WEIGHT

DE17S -	32 kg
DE22S -	33 kg
DE22T -	31 kg
DE40T -	52 kg

SHIPPING

	Size (l x w x h)
DE17S -	580 x 300 x 320 mm
DE22S -	580 x 300 x 320 mm
DE22T -	500 x 350 x 390 mm
DE40T -	500 x 350 x 390 mm

SPARE PARTS AND SERVICE

Flextool (Aust.) Pty. Ltd.

A.C.N. 004 502 961

Melbourne

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Fax: (03) 9417 1391

Sydney

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Rozelle N.S.W. 2039

Tel: (02) 9818 5722
Fax: (02) 9818 3276

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Newstead Qld. 4006

Tel: (07) 3252 2306
Fax: (07) 3252 5359

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Edwardstown S.A. 5039

Tel: (08) 8374 4300
Fax: (08) 8374 4194

Perth

3 / 47 Tate Street
Bentley W.A. 6102

Tel: (08) 9451 2077
Fax: (08) 9350 5011

Free Call:

Tel: 1 800 801 108

Outside the above metropolitan areas..

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES AND CORRECTION
Motor will not start.	<ul style="list-style-type: none">• Check the ON/OFF switch to ensure that it is switched 'ON'.• Check the power supply and fuse or circuit breaker
Motor stops.	<ul style="list-style-type: none">• Thermal overload has tripped. (single phase only) - switch the power supply OFF and reset the thermal overload after the motor has cooled.• Check the power supply and fuse or circuit breaker BEFORE making a warranty claim
Electric Motor lacks power.	<ul style="list-style-type: none">• Check the local power supply for voltage drop.• Use a shorter or a heavy duty extension lead.