

TECHNICAL SPECIFICATION **EKEBOL WHEEL LIFT UNIT: MODEL TW-2**

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1. GENERAL

- a. The recovery unit comprises one hydraulically operated extendable towing boom with tilting function.
- b. The towing boom has a hydraulic “stow-away” function which allows the arm to be retracted into the body envelope.
- c. Maximum rated capacity:
 - a. Retracted 2000kg
 - b. Extended 1250kg
- d. Maximum lifting height: approximately 1m
- e. Wheel lift is a removable L bar style.
- f. All functions are controlled via a single control panel, located at the rear section of the unit on the LH side.

2. HYDRAULIC SYSTEM

- a. Hydraulic oil tank capacity of approx. 45 litres.
- b. PTO and single hydraulic pump are included,
- c. Tank mounted return line oil filter, with replaceable cartridge.
- d. Operation is by 3 spool hydraulic control valve with in-built pressure relief to protect against overloads. Functions that are controlled are; tilt (up/down), lift (up/down), stow-away (in/out).
- e. Hydraulic controls are located on both sides of the vehicle, at the rear.
- f. Extension, Tilt and Lift rams are fitted with safety lock valves.
- g. Stow-away feature uses proximity switches to protect against incorrect operation.
- h. All high pressure hoses confirm to SAE 100 R2T.

3. TOWING BOOM

- a. The towing boom is fabricated from strong RHS sections, and is supported in bronze bearings.
- b. The extendable boom is hydraulically operated, and runs on nylon slide pads to reduce wear.
- c. The tilting function is hydraulically operated.
- d. Tilt angle range is from +6 deg to -18 deg.
- e. The stow-away function is hydraulically operated. The maximum overhang behind the body when fully retracted is 500 mm.

EKEBOL

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4. LIFTING & TOWING GEAR

- a. Rear square section T-bar, permanently attached to the extendable boom.
- b. One pair of adjustable wheel lift adaptors.
- c. One pair of removable L-bars with adjustments to suit different wheel sizes
- d. Two tie-down webbing straps complete with ratchets tensioners.
- e. Removable adaptor with 50mm ball for towing trailers.

5. SUB-FRAME & BODY

- a. The unit is mounted on an independent, strong sub-frame to minimize stresses in the truck chassis.
- b. An optional open body with a tapered rear end for improved towing clearances is available.

6. ELECTRICS

- a. Stop/tail/turn and reverse lights are provided at the rear of the body and are recessed. Stop/tail/turn lights are also provided on the light rack.
- b. One heavy duty reversing light is mounted at the rear.
- c. Voltage used is the same as the cab-chassis.

7. MISCELLANEOUS

- a. Two rubber mud-flaps mounted at the rear.

8. PAINTING

- a. The unit is delivered prime-coated.

9. DELIVERY

- a. The unit is fitted to the truck chassis and in good working order.

NOTES

- a. Capacity Statement:
 - i. Body Capacity: The rated capacity for the tilt tray body or recovery equipment as shown in the quote above is the rated capacity of the tray body or recovery equipment ONLY. It is not the legal load carrying capacity of the finished truck and body combination, which is dependent on the truck make/model/axle tare weights and options fitted. The customer must confirm the estimated legal load carrying capacity of the truck & body combination prior to order placement.
 - ii. Winch Capacities. Winch capacities are quoted per winch manufacturer standard practice. This is the maximum pulling force on a single line at rated oil pressure, rated oil flow rate and with the winch rope only on the bottom layer of the winch.
- b. The ratings are in accordance with Australian practice.
- c. **Tow adaptors are for recovery/emergency towing only – not to be used for continuous highway towing.**