

TECHNICAL SPECIFICATION **EKEBOL WHEEL LIFT UNIT: MODEL TW-3**

(date of issue: 19 Aug 2019 – Rev D)

1. GENERAL

- a. The recovery unit is all hydraulic, and comprises one extendible towing boom with tilting function.
- b. Maximum rated capacity:
 - a. Retracted 2500kg
 - b. Extended 1500kg
- c. Maximum lifting height is approximately 1.5 metres.
- d. Wheel lift is fitted with hydraulic operated wheel clamping system that is controlled from inside the cab.
- e. All functions are operated from the rear section of the unit, on left hand side or from the cab using the included radio remote.

2. HYDRAULIC SYSTEM

- a. Hydraulic oil tank capacity of 40 litres
- b. PTO and single hydraulic oil pump are included.
- c. Hydraulic high pressure hoses in accordance with SAE 100R2T.
- d. Tank mounted return line oil filter, with replaceable cartridge.
- e. Operation is by a 3-spool heavy duty hydraulic control valve with built in pressure relief valve to protect against overloads. The control levers are spring return to neutral type. Functions that are controlled include; tilt (up/down), lift (up/down), and towing boom extension (in/out).
- f. Lift and tilt cylinders are fitted with over-centre type safety valves.

3. TOWING BOOM

- a. The towing boom is fabricated from strong RHS-sections, and is supported by bronze bearings.
- b. The towing boom is hydraulic operated.
- c. The extendable boom slides on nylon pads.
- d. The tilt function is hydraulic operated. Tilt angle + 80 deg. – 10 deg.

4. LIFTING & TOWING GEAR

- a. Wheel lift is fitted with hydraulic operated lifting bar system that is controlled from inside the cab
- b. Two nylon tie-down straps with ratchet tensioners.

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5. SUBFRAME & BODY

- a. The unit is mounted on a strong sub-frame, to minimise stresses in the truck chassis.
- b. An optional open body with a tapered rear end for improved vision and towing clearance is available.

6. ELECTRICS

- a. Stop, tail, turn and reverse lights are provided at the rear of the body and are recessed. Stop, tail and turning signal lights are also provided on the light-rack.
- b. One heavy duty reversing light is mounted at the rear.
- c. All extra lights have separate fuses.
- d. Voltage same as 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.**
- d. Ekebol Pty Ltd is continually striving to improve and update our product range. We reserve the right to change materials and specification without notice. Specifications are correct at the time of printing but may change without notice.