

TECHNICAL SPECIFICATION
EKEBOL SUPER TILT TRAILER: MODEL TFS-22TR
(date of issue 19 Aug 2019 – Rev C)

1. TRAY

- a. Maximum load capacity: 22 tonnes.
- b. Load floor size: tilting tray 12.35m, optional fixed floor upper deck: 4.0m, for a combined trailer length of 16.35m,
- c. Kingpin to end of trailer length of 15.15m
- d. Width: total width 2495mm, inside coaming width 2470.
- e. Height of tray 975mm at ride height, and 910mm with optional air dump system.
- f. Maximum loading angle of 21 degrees and an optimum loading angle of 9 degrees.
- g. The tray is a heavy duty, fully welded construction made with 6mm high tensile floor plate with cross members every 425 mm. 8mm high tensile floor plate is used for the rear 4.2m section of the tray for extra durability.
- h. The tray has a tapered tail to facilitate easy loading and unloading, and eliminating the need for separate ramps.
- i. The tray automatically locks into the trailer chassis when in road travel mode.
- j. The tilt frame is pivoted behind the rear most axle.
- k. A mechanical stabilizer is included to improve tray stability while loading and unloading.
- l. The tilt frame and trailer chassis are fitted with nylon slide pads to eliminate metal to metal contact and minimize wear.
- m. All pivot points have replaceable bushes and/or are fitted with grease nipples.

2. HYDRAULIC SYSTEM

- a. Quick connect hydraulic couplings are provided at the front of the trailer for connection to the prime mover's hydraulic circuit.
- b. Operation is by 3 spool hydraulic control valves with inbuilt pressure relief to protect against overloads. Functions that are controlled are winch (in/out), tilt (up/down), slide (on/off)
- c. Hydraulic controls are located on the left side of the chassis, in front of the rear wheels.
- d. Oil pressure gauge mounted at the control station
- e. Tilt rams are fitted with over-centre type safety valves, and tilt cut-out protection
- f. All high pressure hoses conform to SAE100 R2T.
- g. Hydraulic hoses for the winch are enclosed in a hose chain to protect them during movements.

3. WINCHES

- a. 1 x Hydraulic winch with 13.6 tonne single line pull (30,000 lb) located at the goose neck.
- b. Winch is provided with 30 m of 18mm diameter, 1770 IWRC wire rope.

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- c. The end of the rope is fitted with a swaged eye with thimble.
- d. Winch is fitted with pneumatic operated dog-clutch to allow free spooling of the drum.

4. ELECTRICS

- a. Service lights mounted at control console and goose neck storage box.
- b. Two combination rear stop/turn/reverse LED lights mounted under the tray at the rear.
- c. Seven clearance lights mounted on each side of the trailer.
- d. Installed with 12 V or 24V circuit to suit prime mover.

5. PAINTING

- a. The trailer chassis is supplied sand blasted and painted in 2 pack high film build epoxy coating, with an interthane 990 topcoat.
- b. The tilt frame and tray bed are painted in 426 Paraloc HP black.
- c. The trailer side coamings are supplied primed.

6. TRIALER CHASSIS

- a. The chassis is a fully welded, drop-deck type trailer chassis fitted with a bolt on 50mm king pin
- b. Fitted with a Maxus tri-axle arrangement, with each axle rated at 9 tonne capacity
- c. Meritor air suspension fitted on all axles
- d. ABS brake system fitted on front and rear axles
- e. Wheels are 17.5" Aluminium rims, with outside set polished
- f. Tyres: Michelin, Bridgestone or Continental 235/70R/17.5 (13 off – 12 plus 1 spare)
- g. Manually operated landing legs
- h. Four plastic quarter mudguards with rubber flaps at rear.
- i. Low rear deck height of 970 mm at trailer ride height

NOTES

- a. **The rated capacities are for the trailer unit only, NOT VEHICLE CAPABILITY.**
- 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.