

REACHSTACKERS 10 TONNES.
STANDARD EQUIPMENT
KALMAR DRF100.



Kalmar is part of Cargotec Corporation

KALMAR DRF100

STANDARD EQUIPMENT

NORMS AND LAW REGULATIONS

- According to directive EN 1459
- According to directive ASME B56.1a

CHASSIS

- Safe angled entrance
- Lifting eyes front/rear
- Towing pin (incasted)

CABIN

STRUCTURE

- Step for roof access
- Instep handle
- Sliding window on both sides
- Door with air damper and lock left side
- Door with chain right side (only emergency exit)

COMFORT

- Operators seat Be-Ge 9200 M incl safety belt (lap type)
- Armrest right hand side
- Inside rear view mirror right side
- Interior light with fade away
- 24 V outlet
- Fixed steering column
- Steering wheel knob
- Horn
- Background button light
- Adjustable control console

CONTROLS

- Joystick for boom and attachment functions
- Automatic gas at lifting/extension
- Double brake pedal incl. Transmission Disconnection (declutch)
- Button for electronic hand brake
- Electric accelerator pedal (hanging)
- Automatic gear shifting
- Only first gear activated
- Only second gear activated
- Override button for hydraulic functions

CLIMATE

- ECC, electronic climate control
- Fresh air and recirculation filter
- Wipers/washers on front, rear and roof pane
- Interval wipers on front, rear and roof pane

- Tinted windows

INFORMATION SYSTEMS

- Graphic display with automatic fault analyses
- Operator menu:
 - System voltage
 - Actual gear
 - Engine rpm
 - Travelling speed
 - Fuel bar
 - Hydraulic oil temperature
 - Transmission oil temperature
 - Engine oil pressure
 - Engine coolant temperature
 - Engine oil level (not on cummins)
 - Load distance
 - Load
 - Boom extension
 - Boom angle
 - Clock
- Pop-up menu:
 - Overload warning
 - Overload warning steering axle
 - Alignment indicator spreader
 - Twistlock indicator
- Warning lights:
 - Charging battery
 - Low brake pressure
 - Failure indicator
 - Safety system disconnected
 - High engine coolant temperature
 - Low engine coolant level (not on cummins)
 - Low engine oil pressure
 - Preheating engine
 - Transmission oil temperature
 - Low fuel level
 - Hydraulic oil temperature
- Indicator lamps:
 - High beam
 - Direction indicator
 - Parking brake
 - Indication locked twistlock
 - Indication alignment
 - Indication opened twistlock
- Warning buzzer for not activated hand brake, leaving seat
- Hour meter, analog

STEERING SYSTEM

- Rear axle: Kalmar
- Double acting steering cylinder

DRIVE TRAIN

- Engine: Volvo TAD760VE
- Transmission: Dana TE17000
- Engine protection system
- Transmission protection system
- Preheating engine
- Front axle: Kessler

HYDRAULICS

- Return filters hydr. Oil (10 micron)
- Pressure filter brakes (10 micron)
- Load sensing pumps (3 pcs)
- Vane pumps (2 pcs for brakes and cooling)
- Visual level glass hydraulic tank/brake tank
- Regeneration system (lift and extension boom)
- Environmental air filter hydraulic tank

BODY

- Steps with anti slip protection
- Rear view mirrors on each side

ELECTRICAL SYSTEM

- Electrical system 24 V
- Main power switch
- 2 working lights on attachment
- 2 working lights on boom
- 2 working lights on front edge cabin
- 2 rear lights on fenders activated in reverse
- 2 head lights on front fenders
- 2 position lights on each side
- Lights high/low beam front
- Tail lights, brake lights
- Blinkers front and rear
- Rotating beacon
- Flashing brake lights when reversing
- Acousting signal when reversing

WHEELS

- Tyres: 14.00×24
- Wheel nut protection

LIFTING BOOM

- Lifting boom std 6 × 8' 6" high (DRF100-54S6)
- Lifting boom std 8 × 8' 6" high (DRF100-54S8)

COLOUR

Cab:	Grey RAL 7037
Chassis:	Red RAL 3000
Lifting boom:	Black RAL 7021

DOCUMENTATION AND DECALS

- Load chart diagram in cabin
- Machine data plate chassi incl. load chart
- Warning stickers
- Information stickers
- Fuse diagram
- Instruction manual
- Maintenance manual
- Spare parts catalogue

ATTACHMENT

- Top lift 20'-40' (cap. 10 tonnes)
 - Sideshift ± 1000 mm
 - Mechanical levelling $\pm 5^\circ$
 - Rotation $+195^\circ/-105^\circ$
 - Hook on corners for slings
- Floating ISO twistlocks
- Tilt lock (reduced driving speed)
- Electronic safety device incl flexible scale and synchronized lift

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DRF100 Standard equipment, English – 2009/01/28
We reserve the right to change the design and technical data without prior notice. Tolerances according to K-standard 95:430.000/0009



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