

REACHSTACKERS 10 TONNES.  
**STANDARD EQUIPMENT**  
**KALMAR DRF100.**



# 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  $\pm 1000$  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



[www.kalmarind.com](http://www.kalmarind.com)

Kalmar is part of Cargotec Corporation