



Datasheet Linde Electric Four Way Reach Truck Capacity 2500 kg R 25 F

SERIES 8922

The Linde multi-directional R 25 F reach truck is designed for handling long or wide loads across the forks in very confined spaces as well as for general pallet handling duties. It is an outstandingly versatile and productive machine.

Safety

The ability to drive the truck in any direction enables long or wide loads to be moved in the safest manner. Pin access code control sets the performance parameters appropriate to each individual operator as standard. Assured stopping power is provided by the electromagnetic disc brake on the drive wheel and hydraulic brakes on the twin mounted load wheels on the right hand reach leg.

Reliability

Its compact chassis is designed for maximum strength and durability. A low centre of gravity, provides assured stability and high residual capacities.

Comfort

Fully adjustable tilting seat for excellent ergonomics when storing or retrieving in high racking. Individual fingertip, lever control with wrist support. 360° electric power steering with adjustable steering wheel.



Performance

Rapid lift and traction speeds are controlled by energy efficient digital AC technology for maximum productivity. The truck can be driven in any direction with smooth precision. A comprehensive selection of battery capacities enables each truck to be matched precisely to the needs of specific applications.

Productivity

An integrated computer-controlled diagnostic system ensures optimum uptime and reduces costs. Operating parameters can be configured to precisely fit the requirement of the customer's application. The drive wheel and the twin mounted load wheels on the right hand side automatically turn through 90° at the push of a button for sideways traction. Fork spread options up to 2,220 mm are designed to handle virtually every type of long or wide load.

Technical data

Characteristics	1.1	Manufacturer		LINDE
	1.2	Model designation		R25 F
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power		Battery
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker		Seated
	1.5	Load capacity	Q (t)	2.5
	1.6	Load centre	c (mm)	600
	1.8	Axle centre to fork face	x (mm)	533 ¹⁾
	1.9	Wheelbase	y (mm)	1660
	Weights	2.1	Service weight	kg
2.3		Axle load without load, front (drive)/rear (load)	kg	2550/2250
2.4		Axle load, fork outreached with load, front (drive)/rear (load)	kg	950/6350
2.5		Axle load, fork retracted with load, front (drive)/rear (load)	kg	2350/4950
Wheels and tyres		3.1	Tyre, front (drive)/rear (load) C = cushion rubber, P = polyurethane	
	3.2	Tyre size, front (drive) wheel	mm	Ø 350 x 140
	3.3	Tyre size, rear (load) wheel	mm	Ø 285 x 110 / 260 x 85
	3.5	Wheels, number front (drive)/rear (load) (x = driven)		1x/4
	3.6	Track width, front (drive)	b10 (mm)	0
	3.7	Track width, rear (load)	b1 (mm)	1470
	Dimensions	4.1	Mast/fork carriage tilt, forward/backward	α/β (°)
4.2		Height of mast, lowered	h1 (mm)	see table
4.3		Free lift	h2 (mm)	see table
4.4		Lift	h3 (mm)	see table
4.5		Height of mast, extended	h4 (mm)	see table
4.7		Height of overhead guard (cabin)	h6 (mm)	2155
4.8		Height of seat / stand-on platform	h7 (mm)	1050
4.10		Height of reach legs	h8 (mm)	420
4.19		Overall length	l1 (mm)	2548 ¹⁾
4.20		Length to fork face	l2 (mm)	1398 ¹⁾
4.21		Overall width	b1 (mm)	1765
4.22		Fork dimensions	s/e/l (mm)	45 x 125 x 1150
4.24		Width of fork carriage	b3 (mm)	1500
4.25		Fork spread, min/max	b5 (mm)	560–1550
4.26		Width between reach legs	b3 (mm)	924
4.28		Reach travel	l4 (mm)	813 ¹⁾
4.32		Ground clearance, centre of wheelbase	m2 (mm)	47
4.33		Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	2895 ¹⁾
4.34		Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2913 ¹⁾
4.35		Turning radius	Wa (mm)	1935
4.37	Lengths over reach legs	b13 (mm)	2137	
Performance	5.1	Travel speed, with/without load	km/h	13.2/14
	5.2	Lifting speed, with/without load	m/s	0.44/0.51
	5.3	Lowering speed, with/without load	m/s	0.55/0.55
	5.4	Reach speed, with/without load	N	0.2/0.2
	5.7	Climbing ability, with/without load, 30 minutes rating	%	6.1/9.6
	5.8	Maximum climbing ability, with/without load, 5 minutes rating	%	8.4/13
	5.10	Service brake		hydraulic/electro-mechanic
	Drive	6.1	Drive motor, 60 minutes rating	kW
6.2		Lift motor, 15 % rating	kW	14
6.3		Battery according to IEC		254-2, C
6.4		Battery voltage / rates capacity (5h)	V/Ah	48/480–840
6.5		Battery weight (± 5 %)	kg	939-1306
6.6		Power consumption according to VDI cycle	kWh/h	
Other		8.1	Type of drive control	
	8.2	Working pressure for attachments	bar	150
	8.3	Oil flow for attachments	l/min	
	8.4	Noise level at operator's ear	dB(A)	< 70

¹⁾ Alternative batteries increase length to fork face and aisle width

²⁾ Above lift height 6750 mm

Features

Comfortable operator compartment

- Ergonomic tilting seat
- Adjustable steering console
- Adjustable control console
- Cushioned, adjustable armrest
- Individual fingertip control levers with wrist support
- Central instrument display
- Storage box, drinks and pen/pencil holder

Servicing

- Easy service access
- Maintenance-free AC traction and lift motors
- Digital control system enables performance parameters to be individually adjusted
- Modern CAN bus technology

Stability

- Chassis designed for maximum structural integrity, durability and stability



Mast

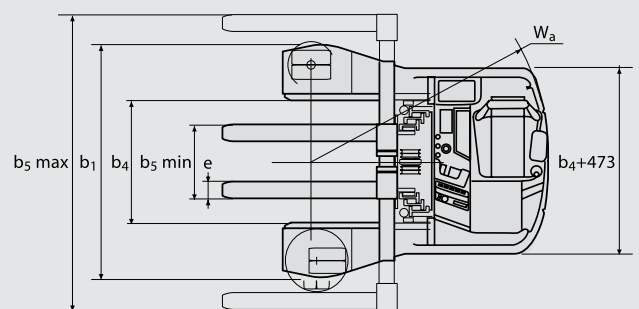
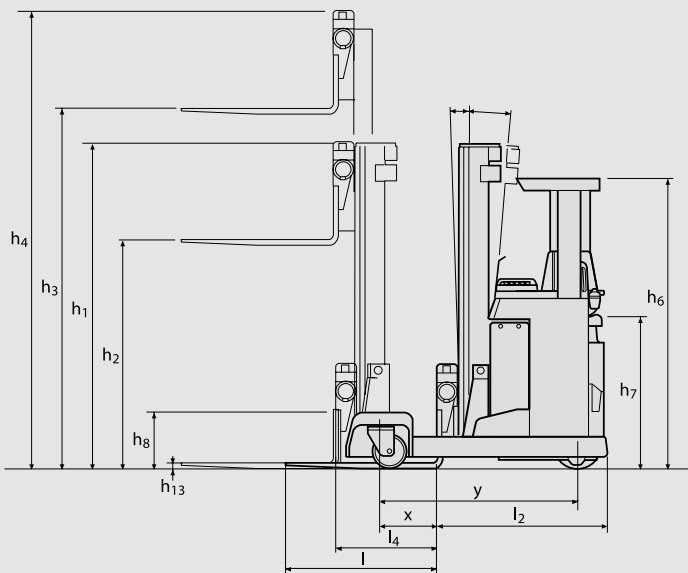
- Tilting clearview triplex mast with full free lift
- Lifting, lowering, mast reach, mast tilt and sideshift are electronically adjustable
- Manual fork adjustment, adjustment range 560 – 1550 mm
- The optional hydraulic fork spreader is designed to provide good visibility and high residual capacities

Batteries

- Battery capacities to suit every application: 480 Ah to 840 Ah
- Rapid and simple battery changing system

Maneuverability

- Four-way traction ability provides outstanding multi-directional versatility and manoeuvrability for handling long or wide loads across the forks, as well as standard pallets



R25F mast table, overall height and lift height (in mm)

Lift	h3	4500	4800	5400	5850	6350	7050	7550	8050	8500	9000
Lift height	h3+s	4620	4925	5525	5975	6475	7175	7625	8175	8625	9125
Height of mast, lowered	h1	2340	2440	2640	2790	2957	3190	3357	3523	3673	3840
Height of mast, extended	h4	1623	1723	1923	2073	2240	2473	2640	2806	2956	3123
Free lift	h2	5210	5510	6110	6560	7060	7760	8260	8760	9210	9710

Standard and optional equipment

Standard

Truck

Three-wheel configuration
Overall width 1,765 mm across the reach legs
Individual fingertip control levers for precision load handling
Comfortable operator seat with 15° tilt
Indicators for travel direction, parking brake, elapsed time, battery discharge level, service information and fault diagnosis
Smooth digital control of traction, lift and steering
Fly-by-wire 360° electric steering
Manually adjustable fork spread

Batteries and chargers

48V batteries with capacities from 480 Ah to 840 Ah
Wide selection of battery chargers including rapid chargers for all shift set-ups

Mast

Tilting clearview triplex mast
Cushioned mast section interchange
High residual capacities at all lift heights

Safety

Electromagnetic disc brake on the drive wheel and hydraulic brake on the right hand twin mounted load wheels
Electromagnetic parking brake
Clearview triplex mast with excellent all-round visibility
Polycarbonate screen between operator and mast
Overhead guard
Stability support system: Electronic controller indicates and monitors numerous electrical and hydraulic functions; and automatically reduces traction speed when cornering, when forks are raised or mast is reached out

Elektronics

Tilting clearview triplex mast
Cushioned mast section interchange
High residual capacities at all lift heights

Traction and lift motors

AC maintenance-free 7.5 kW traction motor
AC maintenance-free 14 kW lift motor

Options

Manual or hydraulic fork spreader up to 2,220 mm overall width across forks
Alternative fork lengths
Lift height indicator
Lift height pre-selector
Lift stop at predetermined height
Creep speed from predetermined lift height
Load weighing system (+/- 100 kg)
Working lights
Warning lights on overhead guard
Mesh on overhead guard

Extended seat backrest
Heated seat
Clipboard
Mounting for data terminal
Radio
Battery mounted on rollers in truck
Drive wheel treaded polyurethane
Alternative colour schemes

Other options available on request.

