



Series 1346 - E18S/E20S

Stand-up, Counterbalanced Electric Forklift





Series 1346 - E18S/E20S

Basic dimensions



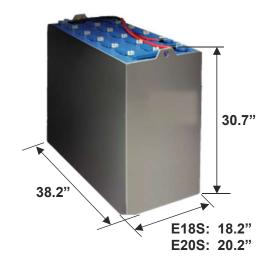


Series 1346 - E18S/E20S

Batteries



Batteries		
	E18S	E20S
Base capacity	3,500 lb	4,000 lb
Battery type	36v – 875 Ah	36v – 1000 Ah
Battery Compartment	38.5"x <mark>18.5"</mark> x31.0"	38.5"x <mark>20.5</mark> "x31.0"
Battery weight	2,178 lb (min.) 2,407 lb (max.)	2,513 lb (min.) 2,777 lb (max.)





Maximum battery dimension





Common Features

Series 1346 – Common Features Drive Motors

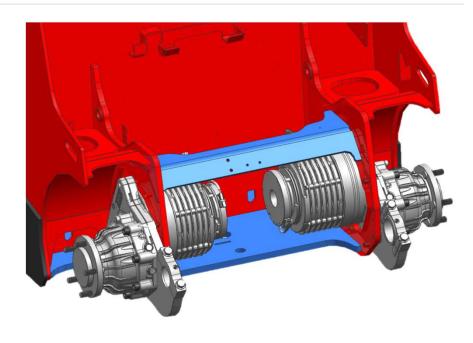


Traction drive units

- Twin units (left / right)
- High efficiency, 4.3kW AC drive motors
- IP54 dust and water ingress resistance
- Integrated gearbox and mast mounting
- Automatic parking brake with dust seal



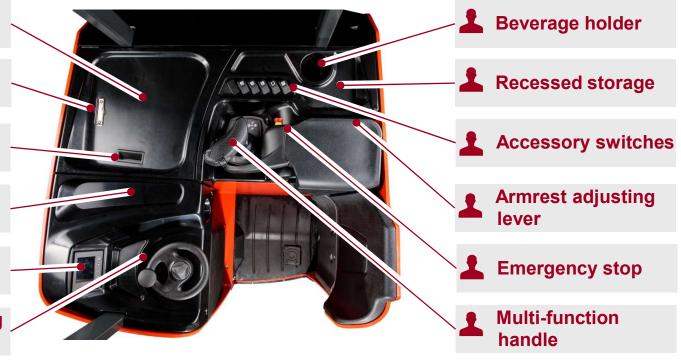








- Writing surface
- Document clamp
- Access panel handle
- Recessed storage
- Interactive display unit
- Telescopic steering column



Operator Comfort and Ergonomics Features



Compartment sizing

- Largest operator compartment
- Clearance at driver hip height
- Low platform step (8-inch)
- Wide foot opening





Operator Comfort and Ergonomics Features



Height-adjustable components

- Flexible ergonomics concept
 - 5th percentile female
 - 95th percentile male
- Telescopic steering wheel
- Armrest/joystick sliding rail (5-positions)
- Cushioned contact surfaces
 - Backrest
 - Hip pad
 - Forearm cushion
 - Knee panel





Series 1346 – Common Features Standard configuration



Multi-function control lever

- Combined, proportional controls
- Factory standard setting only
- Primary task: Driving (push/pull)
 - Stronger muscles in arm and shoulder
- Secondary task: Lifting (sideways movement)
 - Smaller muscles in forearm
- Smaller movements; superior ergonomics





-W W	
	Z
↑ ×	W
z V	
z	
.Y	Y
·V	

Input Standard function

X Forward (forks leading)

- X Backward (forks trailing)

Y Mast lowering

-Y Mast lifting

Z / - Z 3rd function aux.

W / - W 4th function aux.

Mast tilting

Conceptually comparable to CROWN for travel function

*Mast positioned to the right-side of diagram

Series 1346 – Common Features Inverted-axis configuration

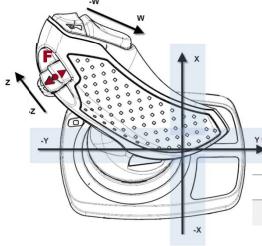


Multi-function control lever

- Concession for previous Raymond users
- Optional configuration (performed by dealer)
- Instruction page and new decals
- Fork-leading travel = handle towards forks
- Fork-trailing travel = handle away from forks







*Mast positioned to the right-side of diagram

Conceptually comparable to RAYMOND for travel function

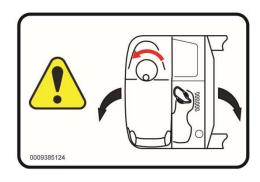
Input	Standard function	
Χ	Mast lowering	
- X	Mast lifting	
Υ	Forward (forks leading)	
-Y	Backward (forks trailing)	
Z / - Z	3 rd function aux.	
W / - W	4 th function aux.	
A	Mast tilting	

Series 1346 – Common Features Driving Characteristics



Forward and reversed steering

- Forward steering: forks-leading (standard)
- Reverse steering: forks-trailing (optional)
 - Dealer exchange of hydraulic hoses
 - New decal required
 - Parts kit delivered with truck





Series 1346 – Common Features **Driving Characteristics**



Advanced tilt controls

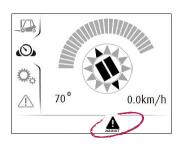
- Electronic tilt position sensor (standard)
 - Cushioned tilting end stops



- Tilt assistance (standard)
 - Forward tilting limitation above free lift
- Tilt memory function (optional)

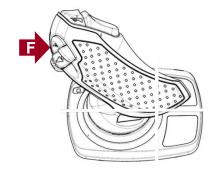


Driver-controlled position memory









Series 1346 – Common Features Productivity Highlights



Chassis tie-down points

- One tie-down point near each wheel
- 3/8-inch, Grade 70 transport chain compatible
- Possibility to hook, or use chain pass-though
- Commonly available chain/hook size







Series 1346 – Common Features Productivity Highlights



Tool-free access panels

- Front panel: Three thumbscrews
- Electrical panel: Snap locking buttons
 - Fuses, relays, main contactor
 - Voltage converter and truck controller



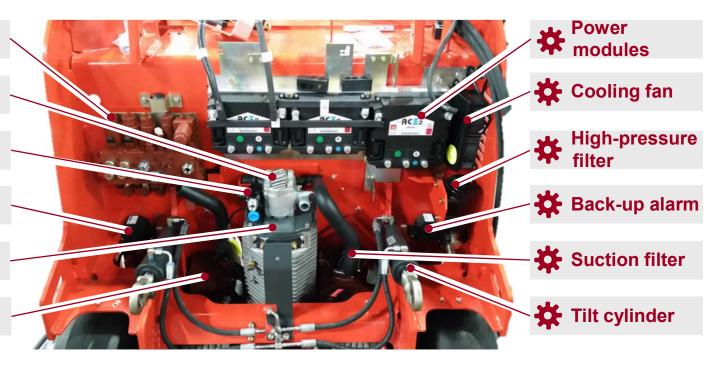




Series 1346 – Common Features Productivity Highlights



- **Control** valve
- Hydraulic pump
- **Priority valve**
- **Forward horn**
- Pump motor (AC)
- 🗱 Oil tank



Series 1346 – Common Features Safety Enhancements

Linde Material Handling

Superior visibility

- Low profile front cover
 - View of drive tire, carriage, and fork
- Wide sight window between mast channels
 - Optimized lines of sight
 - Avoidance of obstacles
 - Easy identification of pedestrians





Series 1346 – Common Features Safety Enhancements



Linde Curve Assist

- Curve Assist is standard equipment
- Automatic speed reduction based on steering angle
- Allows driver to focus on handling the load



Stand-up, Counterbalanced Electric Forklift



On/Off Often

- Widest Hip/Foot Opening
- No seat belt
- Automatic parking brake
- Presence pedal
- Brake switch on the left



Operator Comfort and Ergonomics Features



Operating platform

- Suspended floorplate for vibration isolation
- Low, 8" step height
- Large operator presence switch for comfort
- Additional toe pocket and "resting" step







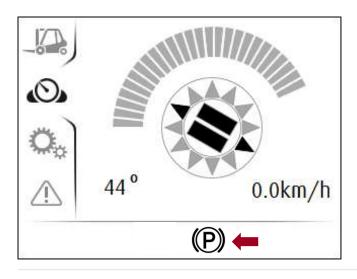


Series 1346 – Common Features Safety Enhancements



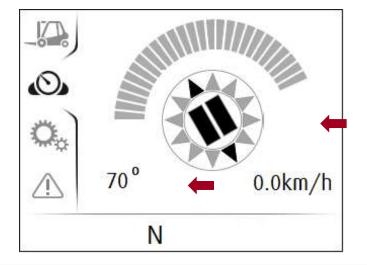
Automatic parking brake

- Set brake when truck speed is zero
- Automatic release upon travel command



Steering angle indication

- Displays angular wheel position
- Numerical value and graphical representation



Stand-up, Counterbalanced Electric Forklift



Dock work

- Side Stance
- Visibility
 - Right Side of Mast
 - Through Mast
 - Forks Trailing
- Toe Protection / Entry Bar
- Curve Assist



Stand-up, Counterbalanced Electric Forklift



Warehouse

- Dock to Stock
- 10-1/2' 11' Aisle
- 3rd Post Standard
- Glass OHG Option





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