Logisnext
Forklifts





ESSENTIAL

3,500-4,400LB. CAPACITY
MOVING MAST REACH TRUCKS

Reach New Heights.

The RB16/20-ESL Moving Mast Reach Trucks deliver solid lift performance, stable handling, and operator confidence for warehouses needing efficient high-density storage and narrow-aisle productivity. With moving-mast technology, proportional hydraulic controls, and AC-powered operation, the RB16-ESL and RB20-ESL support consistent throughput and precise load handling at height.

Electric
POWER

One source. One complete solution.

3,500-4,400lb
CAPACITY

Providing full, custom solutions.

Up to 374 inches
LIFT HEIGHT

Largest national dealer coverage.

Narrow Aisle
ENVIRONMENT

Driving down total cost of ownership.

Key Advantages

- 3,500 lb (RB16-ESL) and 4,400 lb (RB20-ESL) capacities
- Lift heights up to 374” (9.5m)
- Moving mast reach design
- Fork tilt functionality for excellent load stability
- 48V AC drive system
- AC drive, hydraulic, and steering motors
- Electro-hydraulic proportional controls

Advanced Operator Features

- LCD operator display
- Electronic power steering
- 180° / 360° steering modes
- Regenerative braking system
- CANBus communication architecture
- Optional side shifter
- Optional electronic height preselect system
- Optional HD camera package



Efficient Lifting and Lowering

Performance specifications include:

- Lift speeds up to 0.50 m/s unloaded
- Lowering speeds up to 0.45 m/s
- Travel speeds up to 10.5 km/h
- Gradeability up to 15%

Helping operators move more pallets in less time.

Designed for Operator Comfort

The spacious operator compartment includes:

- Adjustable steering wheel
- Adjustable control console
- Suspension seat with backrest
- Ergonomic control layout
- Fingertip hydraulic controls

Designed to help operators remain productive throughout extended shifts.

Intelligent Stability Controls

The RB16-ESL and RB20-ESL are equipped with multiple systems designed to help operators maintain control and confidence at elevation.

- Automatic travel speed reduction at lift height
- Turning speed reduction control
- Lift height limit protection
- Mast movement deceleration at end of reach travel
- Motor temperature monitoring
- Motor current monitoring
- Hydraulic and electromagnetic braking systems

These systems help support stable, predictable truck operation during demanding warehouse applications.

Enhanced Load Handling

Integrated fork tilt functionality helps improve:

- Load retention at height
- Operator confidence
- Placement precision
- Stability during put-away and retrieval operations

Deliver What Matters.

Flexible Configuration Options

Available options include:

- Side battery extraction
- Integrated side shift
- HD camera system
- Electronic height preselect system

Allowing the truck to be tailored for demanding warehouse applications.



High Performance AC Technology

The trucks feature:

- AC drive motor
- AC hydraulic pump motor
- AC steering motor
- Stepless closed-loop speed control

This design delivers responsive performance, maintenance-free operation, and efficient energy utilization.



CANBus Architecture

The RB16-ESL and RB20-ESL utilize CANBus communication technology.

Benefits include:

- Simplified electrical architecture
- Improved diagnostic capability
- High system reliability
- Faster service troubleshooting

Electronic Power Steering

Electronic Power Steering (EPS) provides:

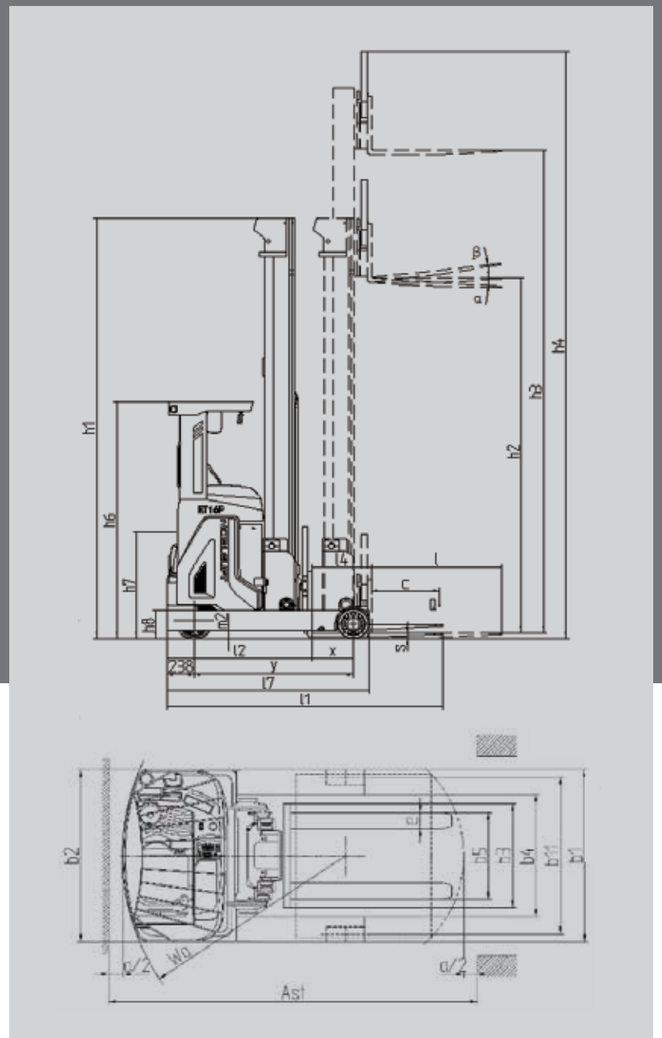
- Light steering effort
- Automatic steering centering
- Selectable 180° and 360° steering modes
- Excellent maneuverability in tight spaces

LCD Operator Display

The integrated color LCD display provides operators with critical truck information including:

- Steering wheel position
- Battery status
- Fault codes
- Travel speed
- Operating hours
- Warning notifications

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.



Safety Standards

These trucks are CE certified and meet the applicable European safety requirements.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

Moving Mast Reach Trucks

Characteristics			RB16-ESL		RB20-ESL	
Capacity at rated load center	lb	*kg*	3,527	*1,600*	4,409	*2,000*
Capacity at load center – distance	in	*mm*	23.6	*600*	23.6	*600*
Power – electric, diesel, gasoline or LP gas			electric		electric	
Type of operation(hand,pedestrian,standing,seated,order-picker)			seated		seated	
Load distance, center of drive axle to fork	in	*mm*	14.4/6.9	*365/176*	15.6/7.9	*395/200*
Wheelbase			2x/2		2x/2	
Dimensions			**RB16-ESL**		**RB20-ESL**	
Mast/fork carriage tilt forward/backward	in	*mm*	4degrees /-2 degrees		4degrees /-2 degrees	
lowered mast height	in	*mm*	153.5	*3,900*	153.5	*3,900*
Free lift	in	*mm*	129.5	*3,290*	129.5	*3,290*
Lift height	in	*mm*	374.0	*9,500*	374.0	*9,500*
Extended mast height	deg		409.8	*10,410*	409.8	*10,410*
Overhead load guardheight	in	*mm*	86.6	*2,200*	86.6	*2,200*
Seat height/standing height	in	*mm*	37.8	*960*	37.8	*960*
Height of support legs	in	*mm*	10.6	*270*	10.6	*270*
Height of lowered forks	in	*mm*	1.6	*40*	1.6	*40*
Overall length	in	*mm*	95.0	*2,412*	98.0	*2,488*
Length to face of forks	in	*mm*	50.1	*1,273*	52.7	*1,338*
Overall width	in	*mm*	50.0	*1,270*	50.0	*1,270*
Fork dimensions	in	*mm*	1.4x3.9x45.3	*35/100/1,150*	1.6x4.7x45.3	*40/120/1,150*
Fork carriage ISO 2328, class/type A, B			*2A*		*2A*	
Width across forks	in	*mm*	7.9-29.1/7.9-32.2	*200-740/200-818*	9.4-29.1 / 9.4-32.2	*240-740/240-818*
Distance between support legs	in	*mm*	35.4	*900*	35.4	*900*
Reach distance	in	*mm*	20.7	*525*	23.4	*595*
Ground clearance ,laden,under mast	in	*mm*	3.5	*90*	3.5	*90*
Ground clearance,centre of wheelbase	in	*mm*	3.0	*75*	3.0	*75*
Aisle width for pallets I OOOx 1200 crossways	in	*mm*	107.1	*2,720*	111.8	*2,840*
Aisle width for pallets 800x 1200 lengthways	in	*mm*	109.4	*2,780*	114.2	*2,900*
Turning radius	in	*mm*	65.0	*1,650*	68.9	*1,750*
Length across support legs	in	*mm*	70.1	*1,780*	74.8	*1,900*
Performance			**RB16-ESL**		**RB20-ESL**	
Travel speed – loaded / empty	mph	*km/h*	6.5/6.5	*10.5/10.5*	6.5/6.5	*10.5/10.5*
Lift speed – loaded / empty	fpm	*m/s*	69/98	*0.35/ 0.5*	69/98	*0.35/ 0.5*
Lowering speed – loaded / empty	fpm	*m/s*	89/89	*0.45/0.45*	89/89	*0.45/0.45*
Reach speed, with/without load	lb	*N*	20/20	*0.1/0.1*	20/20	*0.1/0.1*
Gradeability – maximum loaded	%		10/15.		10/15.	
Weight			**RB16-ESL**		**RB20-ESL**	
Empty (incl. battery)	lb	*kg*	8,731	*3,960*	9,304	*4,220*
Axle load, mast retracted without load, drive/support arm wheel	lb	*kg*	5,335/3,395	*2,420/1,540*	5,644/3,659	*2,560/1,660*
Axle load, mast extended with load, drive/support arm wheel	lb	*kg*	1,830/10,494	*830/4,760*	1,645/12,068	*746/5,474*
Axle load, mast retracted with load, drive/support arm wheel	lb	*kg*	4,630/7,628	*2,100/3,460*	5,004/8,708	*2,270/3,950*
Chassis			**RB16-ESL**		**RB20-ESL**	
Type:solid rubber,superelastic,pneumatic,polyurethane			pu		pu	
Tires size, front	in	*mm*	13.5x5.5	*0343x 140*	13.5x5.5	*0343x 140*
Tires size, rear	in	*mm*	11.2x4.3	*0285 x 110*	13.0x4.3	*0330x 110*
Wheels,number front/rear(x-driven wheels)			1x/ 2		1x/ 2	
Track width,rear	in	*mm*	45.7	*1,160*	45.7	*1,160*
Service Brake			Hydraulic/electric		Hydraulic/electric	
Motors			**RB16-ESL**		**RB20-ESL**	
Drive motor rating – S2 60 min	HP	*kW*	8.6/9.4	*6.4/7*	8.6/9.4	*6.4/7*
Lift motor rating at S3 15%	HP	*kW*	16.8	*12.5*	16.8	*12.5*
Battery type			lead acid / li-ion		lead acid / li-ion	
Battery voltage, nominal capacity K_5 - lead acid	V / Ah		48V /420, 560 option		48V /420, 560 option	
Battery weight	lb	*Kg*	1,653	*750*	2,094	*950*
Other			**RB16-ESL**		**RB20-ESL**	
Drive control	type		AC		AC	
Noise level – mean value at operator's ear Leq	dB(A)		68		68	

Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Logisnext Americas Inc. (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck.

ESSENTIAL



Logisnext Forklifts

Full-Service Material Handling Solutions

- More than 100 years of collective experience
- Supported by more than 700 experienced dealer locations across North, Central, and South America
- Complete fleet management, digital solutions, financing and comprehensive product support



Moving Mast Reach Truck

3,500 – 4,400 LB. CAPACITY

ESSENTIAL

An Aftermarket Partnership

24/7 Online Parts Access

Extensive Parts Availability

Expert Dealer Service & Support

Dependable Warranty Coverage

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