



Product Information

REFLEX

AC/ACi
RR B, E

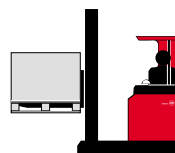
Reach Truck

BT REFLEX AC/ACi Reach Trucks are new high performance trucks available within BT's range with capacity up to 2500kg and with lift heights up to 11.5m. Each truck is configured to provide the optimum chassis / battery / mast combination according to the requirements of the application.

- Excellent driver ergonomics, with fully adjustable seat, pedals and BT Control console, with electronic control of all hydraulic functions.
- Panoramic vision for driving and when working at height, with clear view mast and overhead guard.
- 360° electronic, progressive and programmable steering.
- AC-technology with brushless motors for high performance and low service requirements.
- Electronic height indication and tilting cab standard equipment on high lift models. Programmable tilt-back and tilt-forward heights.
- Integrated sideshift function, for fine lateral positioning of the forks.
- Very fast acceleration rate and maximum travel speed, which can be fully realised with full load.
- Three push-buttons located on the dashboard allow easy selection of performance parameters. Standard set-up choices available. Up to 10 PIN numbers available to provide access control — restricting operation to only authorized drivers.
- Electronic regenerative braking (motor braking, pedal braking or change of drive direction). Programmable to suit the driver — when accelerator is released, and/or when change of travel direction is applied.
- Parking brake is automatically applied when the truck is stationary, and automatically releases when the accelerator is depressed.
- State-of-the-art electronic system, incorporating CAN and Mosfet technology — requiring less wiring and giving greater reliability.
- Electronic fault diagnosis and historic logging. Error and caution codes alert the driver and reduce speed or stop the truck. A service timer counts time to next service and alerts the driver when it is due.

Options

- Electronic height pre-selection system.
- Electronic height indicator (standard on lift heights from 6.3m).
- Tilting drivers cab (standard on lift heights above 8.5m).
- Radio system (pre-wired to suit standard car radios).
- A range of BT Control options, including driver access, productivity, discharge and collision control modules.



Technical Details		RR B 1—3 RR E 1—3		RR B 5—6/ RR E 5—6	RR B 7—8/ RR E 7—8
Power unit		electrical		electrical	electrical
Operating type		ride on		ride on	ride on
Rated capacity	kg	1600		2000	2500
Load centre	mm	600		600	600
Weight without battery	kg	2315		2995	3885
		(h ₃ =5700 mm)		(h ₃ =7000 mm)	(h ₃ =9000 mm)
Max. axle pressure front without/with rated load	kg	1835/4350		2240/5470	3225/7045
Max. axle pressure rear, without/with rated load	kg	1785/1480		2200/1910	2725/2150
Wheel type, front/rear		polyurethane		polyurethane	polyurethane
dimension, front/rear	mm	Ø300/310		Ø350/350	Ø350/350
Travel speed, without/with rated load	m/s	3.1/2.8		2.9/2.7	—
Travel speed ACi-model, without/with rated load	m/s	3.3/3.3		3.3/3.3	3.3/3.3
Lift speed,				0.5/0.35/0.30	0.5/0.37/0.27
without/with 1000 kg/with rated load	m/s	0.5/0.37/0.33			
Lowering speed,				0.46/0.53/0.49	0.44/0.53/0.47
without/with 1000 kg/with rated load	m/s	0.46/0.53/0.50			
Gradient, without/with rated load	%	15/10		15/10	12/7
Acc. time, 0—9 m, without/with rated load	s	4.5/5.1		4.5/5.1	5.0/5.5
Service brake		electrical		electrical	electrical
Parking brake		autom. electr. magnetic		autom. electr. magnetic	autom. electr. magnetic
Drive motor/Intermittent rating	kW/%	5.5/60		7.5/60	7.5/60
Lift motor/Intermittent rating	kW/%	10/15		10/15	14/15
Steering system		electronical		electronical	electronical
Speed control, number of steps		transistor, stepless		transistor, stepless	transistor, stepless
Number of steering wheel turnings		endless		endless	endless

Dimensions, mm		RR B 1—3	RR E 1—3	RR B 5—6/ RR E 5—6	RR B 7—8/ RR E 7—8
y	Wheel base	1425	1425	1475	1600
h ₆	Height of cab	2166	2216	2266	2266
h ₈	Height of support arm	270	270	320	320
h ₁₃	Height of lowered fork	40	40	40	45
b ₁	Chassis, width	1270/1270/ 1470/1670	1270/1270/ 1470/1670	1270/1470/ 1670	1270/1470/ 1670
e	Fork width	100	100	120	125
l	Fork length	1150	1150	1150	1150
b ₅	Width across fork	250—718 ¹⁾	250—718 ¹⁾	270—718 ¹⁾	275—718 ¹⁾
b ₄	Width between support arms	900/1070/ 1100/1300 ²⁾	900/1070/ 1100/1300 ²⁾	900/1100/1300	900/1100/1300
b ₁₄	Width of support arm	185/100	185/100	185	185
m ₁	Floor clearance	70 ³⁾	70 ³⁾	70 ³⁾	70 ³⁾
W _a	Turning radius	1640	1640	1690	1815
l ₇	Truck length excl. fork	1812	1812	1887	2012

1) With integrated side shift = +20mm

2) Limited lift height

3) 15mm with studs

Dimensions Incl. integrated sideshift, mm	B, E 1	B, E 2	B, E 3	B, E 5	B, E 6	B, E 7	B, E 8
l ₂ Truck length incl. back of fork	1250	1320	1320	1314	1389	1458	1530

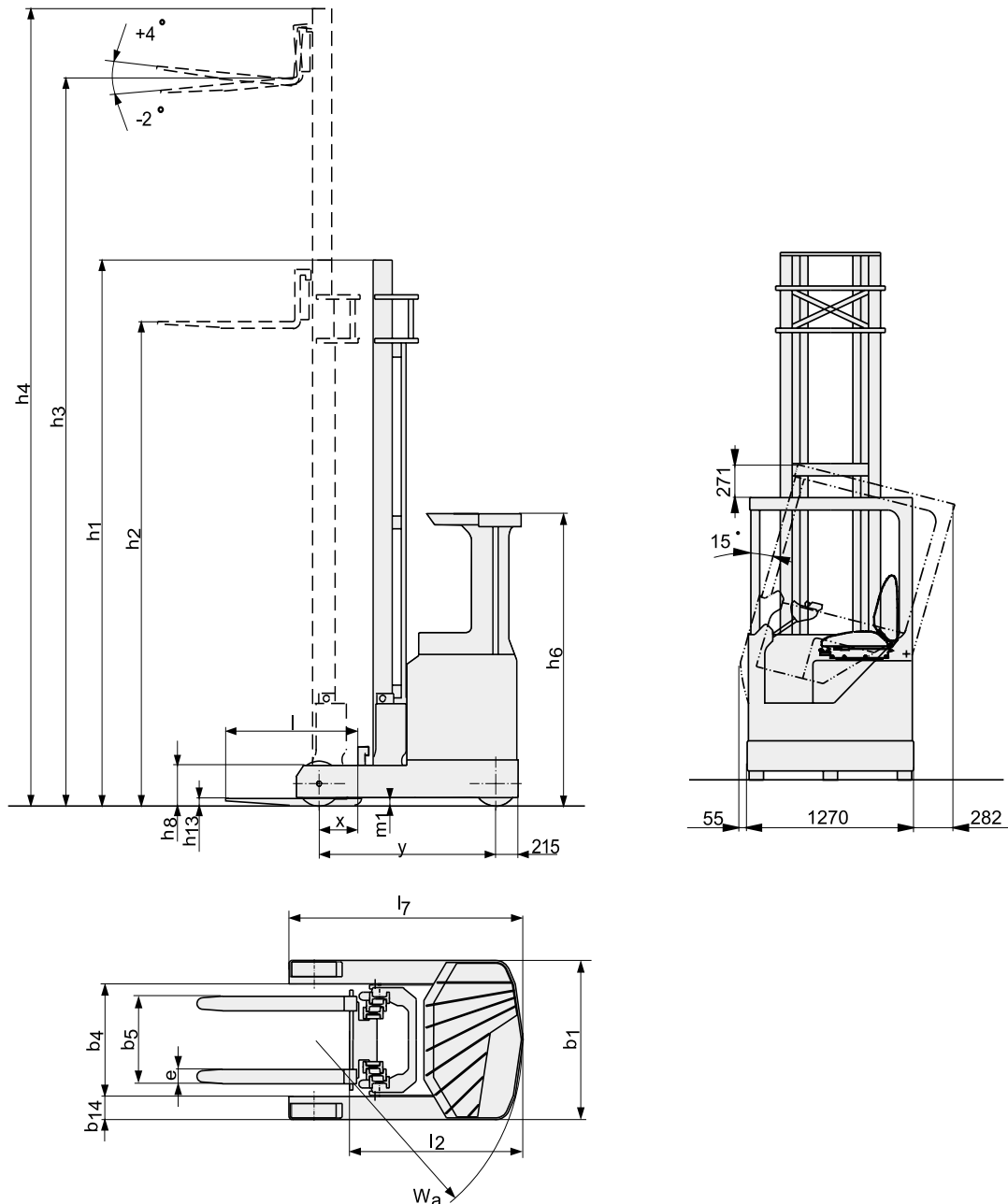
Battery		x = mm, front axle to fork front face incl. integrated sideshift ⁴⁾							
Ah	Depth, mm	Min. weight, kg	B, E 1	B, E 2	B, E 3	B, E 5	B, E 6	B, E 7	B, E 8
360—440	275	700	390						
480—600	344	865		320	320	371			
600—750	419	1075					296	328	
800—900	491	1270							256
Without sideshift			428	358	358	409	334	328	256

4) With rollerbed = -25mm

Mast, mm																	
h_3 Lift height	4400	4600	4800	5400	5700	6300	6750	7000	7500	8000	8500	9000	9500	10000	10500	10800	11500
RR B 1/RR E 1																	
h_1 Height of mast, min.	2057		2190	2390	2490	2690	2940	3023	3190								
h_2 Free lift	1416		1549	1749	1849	2049	2299	2382	2549								
h_4 Height of mast, max.	5040		5440	6040	6340	6940	7390	7640	8140								
RR B 2—3/RR E 2—3¹⁾																	
h_1 Height of mast, min.	2057		2190	2390	2490	2732	2981	3064	3231	3398	3564	3731	3898				
h_2 Free lift	1416		1549	1749	1849	2091	2340	2423	2590	2757	2923	3090	3257				
h_4 Height of mast, max.	5040		5440	6040	6340	6940	7390	7640	8140	8640	9140	9640	10140				
RR B 5—6/RR E 5—6																	
h_1 Height of mast, min.		2165	2232	2432	2532	2732	2981	3064	3231	3398	3564	3731	3898				
h_2 Free lift		1524	1591	1791	1891	2091	2340	2423	2590	2757	2923	3090	3257				
h_4 Height of mast, max.		5240	5440	6040	6340	6940	7390	7640	8140	8640	9140	9640	10140				
RR B 7—8/RR E 7—8																	
h_1 Height of mast, min.			2271	2471		2771		3004		3338	3504	3671	3838	4004	4171	4271	4504
h_2 Free lift			1691	1891		2191		2425		2757	2925	3091	3257	3425	3591	3691	3923
h_4 Height of mast, max.			5381	5981		6881		7581		8581	9081	9581	10081	10581	11081	11381	12081

1) RR B2/E2 h_3 max. 8500 mm

Performance may vary due to motor and system efficiency tolerance and represents nominal values obtained under typical operating conditions.
BT Products AB products and specifications are subject to change without notice.





BT Europe AB, ITS, Sweden — 747500-040, 0005



The product complies with the EC-directives



BT Industries

Developed and produced by
BT Products AB



SS-EN ISO 9001, No. 003
ISO 14001, No. M005

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