



## Product Information

REFLEX

AC/ACi  
RR B, E

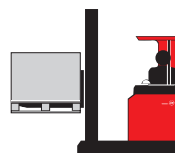
## Reach Truck

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 through 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		electric	electric	electric
Operating type		ride on	ride on	ride on
Rated capacity	kg	1600	2000	2500
Load centre	mm	600	600	600
Max. axle load front without/with rated load	kg	1835/4350	2240/5470	3225/7045
Max. axle load rear, without/with rated load	kg	1785/1480	2200/1910	2725/2150
Wheel type, front/rear		polyurethane	polyurethane	polyurethane
dimension, front/rear	mm	Ø 300/310	Ø 350/350	Ø 350/350
Travel speed, without/with rated load	km/h	11.2/10.1	10.4/9.7	—
Travel speed ACi-model, without/with rated load	km/h	12.0/12.0	12.0/12.0	12.0/12.0
Acc. time, 0—9 m, without/with rated load	s	4.5/5.1	4.5/5.1	5.0/5.5
Lift speed, without/with 1000 kg/with rated load	m/s	0.50/0.37/0.33	0.50/0.35/0.30	0.50/0.37/0.27
Lowering speed, without/with 1000 kg/with rated load	m/s	0.46/0.53/0.50	0.46/0.53/0.49	0.44/0.53/0.47
Gradient, without/with rated load	%	15/10	15/10	12/7
Service brake		electric	electric	electric
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
Weight without battery	kg	2315 (h <sub>3</sub> =5700 mm)	2995 (h <sub>3</sub> =7000 mm)	3885 (h <sub>3</sub> =9000 mm)
Steering system		electronic	electronic	electronic
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	1475	1600
h <sub>6</sub>	Height of cab	2166	2266	2266
h <sub>8</sub>	Height of support arm	270	320	320
h <sub>13</sub>	Height of lowered fork	40	40	45
b <sub>1</sub>	Chassis, width	1270/1270/1470/1670	1270/1470/1670	1270/1470/1670
e	Fork width	100	120	125
l	Fork length	1150	1150	1150
b <sub>5</sub>	Width across fork without sideshift	250—718	250—718	250—718
	with sideshift	250—738	250—738	250—738
b <sub>4</sub>	Width between support arms	900/1050 <sup>1)</sup> /1100/1300	900/1100/1300	900/1100/1300
b <sub>14</sub>	Width of support arm	185/100	185	185
m <sub>1</sub>	Floor clearance	70 <sup>2)</sup>	70 <sup>2)</sup>	70 <sup>2)</sup>
W <sub>a</sub>	Turning radius	1640	1690	1815

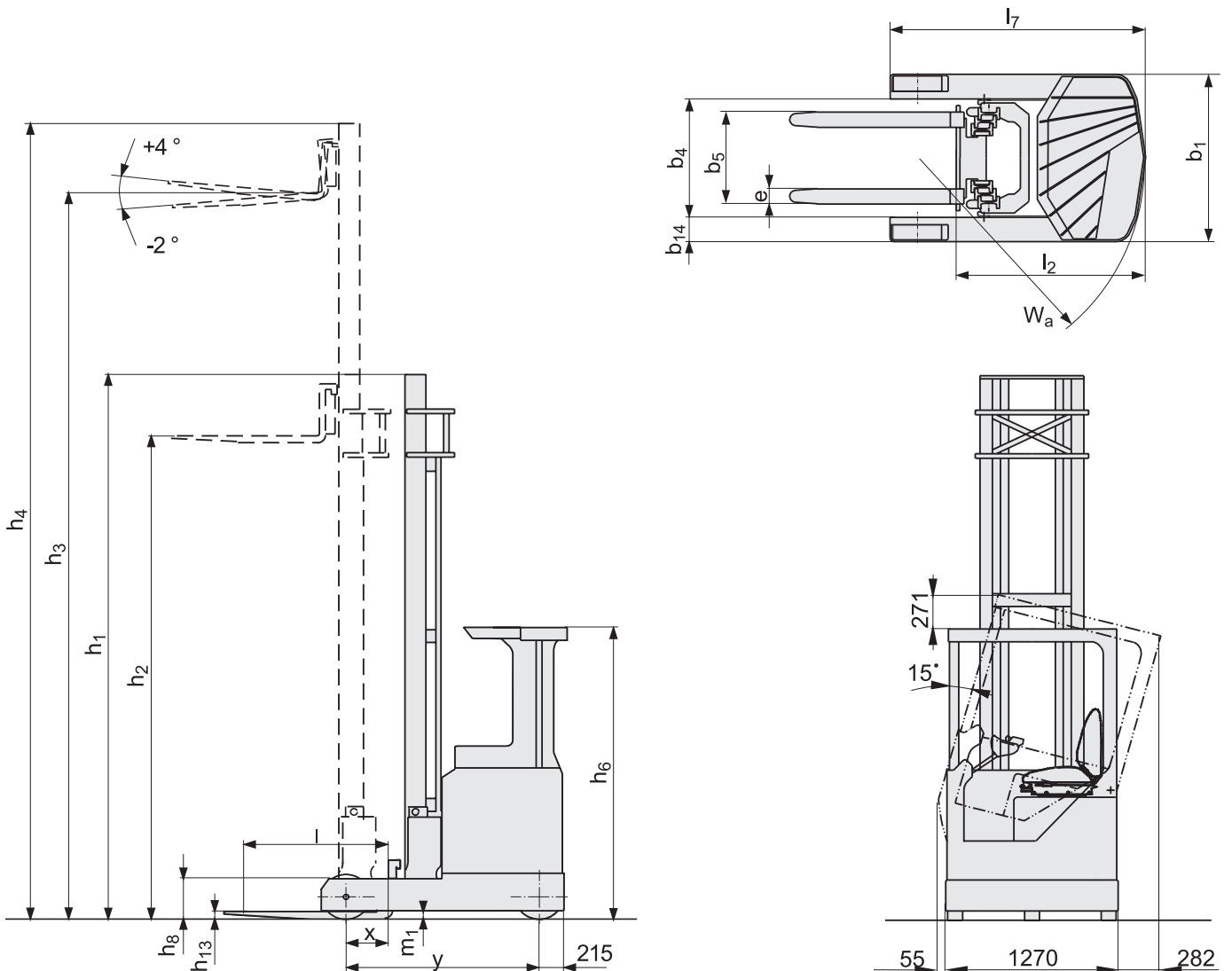
- 1) Limited lift height  
2) 15mm under studs

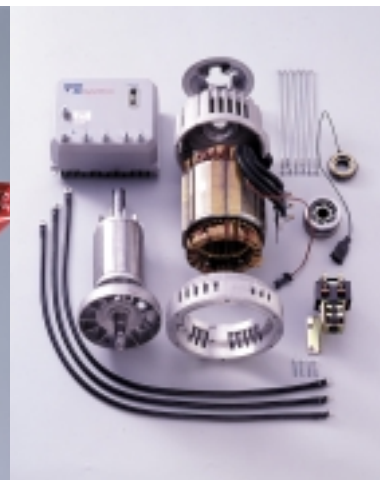
Dimensions — Battery compartment		RR B 1 RR E 1	RR B 2/3 RR E 2/3	RR B 5 RR E 5	RR B 6 RR E 6	RR B 7 RR E 7	RR B 8 RR E 8
x	Front axle to fork face without sideshift	mm	435	366	382	307	—
	with sideshift	mm	397	328	344	269	249
	with rollerbed, incl. sideshift	mm	372	303	319	244	224
l <sub>2</sub>	Truck length incl. fork face without sideshift	mm	1205	1274	1308	1383	—
	with sideshift	mm	1243	1312	1346	1421	1566
l <sub>7</sub>	Truck length excl. fork	mm	1811	1811	1886	1886	2011
	Battery capacity	Ah	360—440	480—600	480—600	600—750	600—750
	Battery weight, min.	kg	700	865	865	1075	1075
	Depth	mm	275	344	344	419	491

Mast, mm																	
<b>h<sub>3</sub> Lift height</b>	<b>4400</b>	<b>4600</b>	<b>4800</b>	<b>5400</b>	<b>5700</b>	<b>6300</b>	<b>6750</b>	<b>7000</b>	<b>7500</b>	<b>8000</b>	<b>8500</b>	<b>9000</b>	<b>9500</b>	<b>10000</b>	<b>10500</b>	<b>10800</b>	<b>11500</b>
<b>RR B 1/RR E 1</b>																	
h <sub>1</sub> Height of mast, min.	2057		2190	2390	2490	2690	2940	3023	3190								
h <sub>2</sub> Free lift	1416		1549	1749	1849	2049	2299	2382	2549								
h <sub>4</sub> Height of mast, max.	5040		5440	6040	6340	6940	7390	7640	8140								
<b>RR B 2—3/RR E 2—3<sup>1)</sup></b>																	
h <sub>1</sub> Height of mast, min.	2057		2190	2390	2490	2732	2981	3064	3231	3398	3564	3731	3898				
h <sub>2</sub> Free lift	1416		1549	1749	1849	2091	2340	2423	2590	2757	2923	3090	3257				
h <sub>4</sub> Height of mast, max.	5040		5440	6040	6340	6940	7390	7640	8140	8640	9140	9640	10140				
<b>RR B 5—6/RR E 5—6</b>																	
h <sub>1</sub> Height of mast, min.		2165	2232	2432	2532	2732	2981	3064	3231	3398	3564	3731	3898				
h <sub>2</sub> Free lift		1524	1591	1791	1891	2091	2340	2423	2590	2757	2923	3090	3257				
h <sub>4</sub> Height of mast, max.		5240	5440	6040	6340	6940	7390	7640	8140	8640	9140	9640	10140				
<b>RR B 7—8/RR E 7—8</b>																	
h <sub>1</sub> Height of mast, min.			2271	2471		2771		3004		3338	3504	3671	3838	4004	4171	4271	4504
h <sub>2</sub> Free lift			1691	1891		2191		2425		2757	2925	3091	3257	3425	3591	3691	3923
h <sub>4</sub> Height of mast, max.			5381	5981		6881		7581		8581	9081	9581	10081	10581	11081	11381	12081

3) RR B2/E2 h<sub>3</sub> max. 8500mm

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.





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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