

# Reach truck 1.6 ton

## BT reflex

*O-series*

RRE160R



# Reach truck

Truck specifications						RRE160R
Identification	1.1	Manufacturer				BT
	1.2	Model				RRE160R
	1.3	Drive				Electric
	1.4	Operator type				Seated
	1.5	Load capacity/rated load	Q	kg		1600
	1.6	Load centre	c	mm		600
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm		406
	1.9	Wheelbase	y	mm		1421
	Weight	2.1	Service weight including battery		kg	
2.3		Axle load, mast retracted without load, drive/support arm wheel		kg		2282/1409
2.4		Axle load, mast extended with load, drive/support arm wheel		kg		776/4514
2.5		Axle load, mast retracted with load, drive/support arm wheel		kg		2051/3239
Wheels	3.1	Drive/support arm wheel				Super-elastic
	3.2	Wheel size, front				180/60-10
	3.3	Wheel size, rear				180/60-10
	3.5	Wheels, number front/rear (x=driven wheels)				1x/2
	3.7	Track width, rear	$b_{11}$	mm		1256
Dimensions	4.1	Tilt of fork, forward/backward	$\alpha/\beta$	deg		4°/-2°*
	4.2	Height, mast lowered	$h_1$	mm		2804*
	4.3	Free lift	$h_2$	mm		1691*
	4.4	Lift	$h_3$	mm		6260*
		Lift height	$h_{23}$	mm		6300*
	4.5	Height, mast extended	$h_4$	mm		6940*
	4.7	Height of overhead guard (cab)	$h_6$	mm		2330
	4.8	Seat height	$h_7$	mm		1265
	4.10	Height of support arms	$h_8$	mm		478
	4.15	Height of lowered forks	$h_{13}$	mm		40
	4.19	Overall length	$l_1$	mm		2446
	4.20	Length to face of forks	$l_2$	mm		1331
	4.21	Overall width	$b_1$	mm		1414
	4.22	Fork dimensions	s/e/l	mm		40/100/1150
	4.23	Fork carriage ISO 2328, class/type A, B				II B
	4.25	Width over forks	$b_5$	mm		250 - 738
	4.26	Distance between support arms	$b_4$	mm		900
	4.28	Reach distance	$l_4$	mm		614
	4.31	Ground clearance, with load, below mast	$m_1$	mm		136
	4.32	Ground clearance, centre of wheelbase	$m_2$	mm		145
4.33	Aisle width for pallets 1000 x 1200 crossways	$A_{st}$	mm		2781	
4.34	Aisle width for pallets 800 x 1200 lengthways	$A_{st}$	mm		2826	
4.35	Turning radius	$W_a$	mm		1737	
4.37	Length across support arms	$l_7$	mm		1933	
Performance data	5.1	Travel speed, with/without load		km/h		10,0/11,0
	5.2	Lift speed, with/without load		m/s		0,35/0,70
	5.3	Lowering speed, with/without load		m/s		0,55/0,55
	5.4	Reach speed, with/without load		m/s		0,25/0,25
	5.8	Max. gradeability, with/without load <sup>1)</sup>		%		9,0/13,5
	5.10	Service brake				Electric
Electric motor	6.1	Drive motor rating S2 60 min		kW		7,5
	6.2	Lift motor rating S3 15%		kW		15
	6.4	Battery voltage, nominal capacity $K_5$		V/Ah		48/620
	6.5	Battery weight		kg		875
	6.6	Energy consumption acc to VDI cycle <sup>2)</sup>		kWh/h		
	Other	8.1	Type of drive control			
8.4		Sound level at the driver's ear according to EN 12 053		dB(A)		

1) Measured according to company standard

2) Contact your supplier for information

\* Other alternatives are available

All data are based on table configuration. Other configurations may give other values.

Truck performance and dimensions are nominal and subject to tolerances.

BT products and specifications are subject to change without notice.

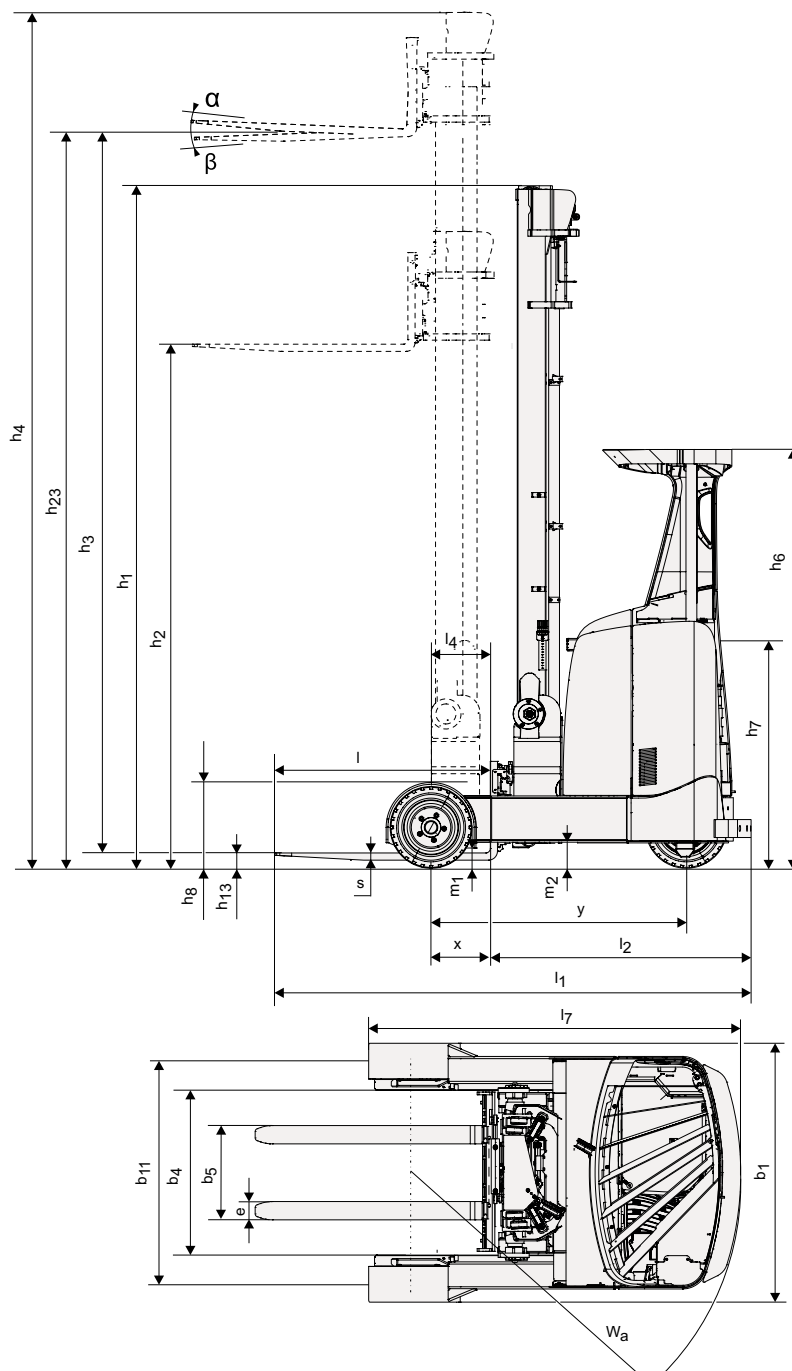
# Battery compartment

# BT reflex

Dimensions				RRE160R	
Reflex		Depth of battery		mm	347
	6.4	Battery voltage, nominal capacity $K_5$		V/Ah	48/620
	6.5	Battery weight, min.—max.		kg	875-1030
	1.8	Load distance, centre of support arm wheel to face of forks	x	mm	406

# Mast dimensions, mm

Mast			Triplex Hi-Lo									
	Lift height	$h_{23}$	mm	4600	4800	5400	5700	6300	6750	7000	7150	7500
	Lift	$h_3$	mm	4560	4760	5360	5660	6260	6710	6960	7110	7460
RRE160R	Height, mast lowered	$h_1$	mm	2247	2314	2514	2614	2814	3063	3146	3063	3313
	Free lift	$h_2$	mm	1124	1191	1391	1491	1691	1940	2023	1940	2190
	Height, mast extended	$h_4$	mm	5322	5522	6122	6422	7022	7472	7722	7522	8212



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## Truck features:

- Super-elastic tyres
- High ground clearance
- AC technology
- Total view concept
- Car pedal layout
- Automatic parking brake
- Support arm brakes standard equipment
- TLC, Transitional Lift Control
- 360° steering
- Simultaneous hydraulic control
- Single function levers
- Heavy duty drive unit and gear box
- Weather protection (option)

