

## RRE160HR

Specifications						RRE160HR
Identification	1.1	Manufacturer				Toyota
	1.2	Model				RRE160HR
	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 fork	x	mm		339
	1.9	Wheelbase	y	mm		1421
Weight	2.1	Service weight including battery		kg		3812
	2.3	Axle load, mast retracted without load, drive/support arm wheel		kg		2260/1552
	2.4	Axle load, mast extended with load, drive/support arm wheel		kg		623/4789
	2.5	Axle load, mast retracted with load, drive/support arm wheel		kg		1967/3445
Wheels	3.1	Drive/support arm wheel				Super-elastic
	3.2	Wheel size, front		mm		ø 455x160
	3.3	Wheel size, rear		mm		ø 455x160
	3.5	Wheels, number front/rear (x = driven wheels)				1x/2
	3.7	Track width, rear	b <sub>11</sub>	mm		1256
Dimensions	4.1	Tilt of fork, forward/backward	α/β	deg		-2°/4° *
	4.2	Height, mast lowered	h <sub>1</sub>	mm		2957 *
	4.3	Free lift	h <sub>2</sub>	mm		2403 *
	4.4	Lift	h <sub>3</sub>	mm		6945 *
		Lift height	h <sub>23</sub>	mm		7000 *
	4.5	Height, mast extended	h <sub>4</sub>	mm		7610 *
	4.7	Height of overhead guard (cabin)	h <sub>6</sub>	mm		2330
	4.8	Seat height	h <sub>7</sub>	mm		1268
	4.10	Height support arms	h <sub>8</sub>	mm		478
	4.15	Height, fork lowered	h <sub>13</sub>	mm		55
	4.19	Overall length	l <sub>1</sub>	mm		2494
	4.20	Length to face of forks	l <sub>2</sub>	mm		1344
	4.21	Overall width	b <sub>1</sub>	mm		1414
	4.22	Fork dimensions	s/e/l	mm		40/100/1150
	4.23	Fork carriage ISO 2328, class/type A, B				—
	4.24	Fork carriage width	b <sub>3</sub>	mm		819
	4.25	Width over forks	b <sub>5</sub>	mm		252-698
	4.26	Distance between wheel arms/loading surfaces	b <sub>4</sub>	mm		900
	4.28	Reach distance	l <sub>4</sub>	mm		614
	4.31	Ground clearance, with load, below mast	m <sub>1</sub>	mm		136
	4.32	Ground clearance, center of wheelbase	m <sub>2</sub>	mm		145
	4.34.1	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm		2776
	4.34.2	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm		2832
	4.35	Turning radius	W <sub>a</sub>	mm		1683
	4.37	Length across support arms	l <sub>7</sub>	mm		1933
Performance data	5.1	Travel speed, with/without load		km/h		11/11
	5.2	Lift speed, with/without load		m/s		0,36/0,68
	5.2	Lift speed, with/without load (High speed version)		m/s		0,50/0,68
	5.3	Lowering speed, with/without load		m/s		0,55/0,59
	5.4	Reach speed, with/without load		m/s		0,20/0,28
	5.8	Max. gradeability, with/without load <sup>1)</sup>		%		8/12,5
	5.9	Acceleration time with/without load (over 10 m)		s		5,8/5,1
Electric motor	5.10	Service brake				Electric
	6.1	Drive motor rating S2 60 min		kW		7,5
	6.2	Lift motor rating S3 15%		kW		11,0
	6.2	Lift motor rating S3 15% (High speed version)		kW		15,0
	6.4	Battery voltage, nominal capacity K <sub>s</sub>		V/Ah		48/620
	6.5	Battery weight		kg		875
	6.6	Energy consumption according to VDI		kWh/h		4,2
		Energy consumption acc. to EN16796:2016		kWh/h		3,5
Other	6.7	Turnover output according VDI 2198		t/h		66
	6.8	Energy consumption at turnover output		kWh/h		3,7
Other	8.1	Type of drive control				Variable AC
	8.4	Sound level at the driver's ear according to EN 12 053		dB(A)		66

<sup>1)</sup> Measured according to company standard.

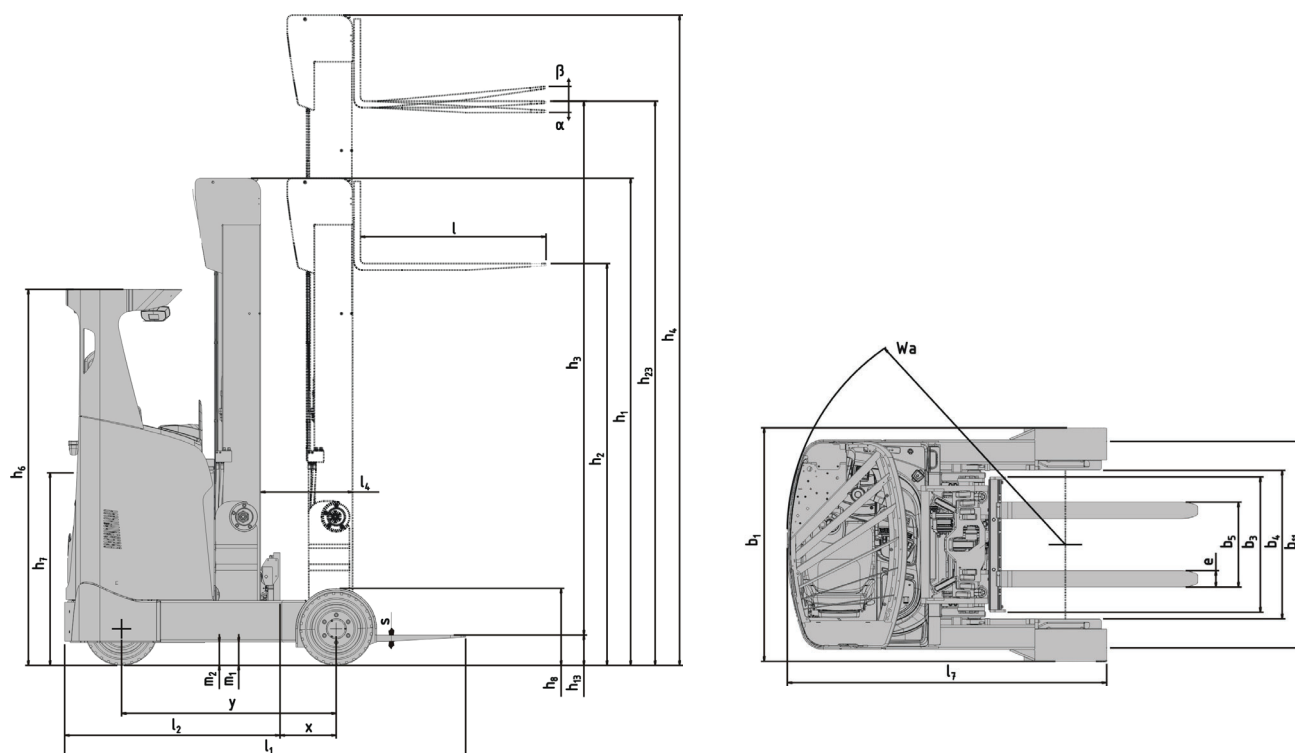
\* Other alternatives are available.

## Battery compartment

Dimensions				RRE160HR
Mast type				Triplex Hi-Lo - A
	Battery compartment		mm	347
1.8	Load distance, centre of support arm wheel to face of forks	x	mm	339
4.20	Length to face of forks	$l_2$	mm	1344
4.33	Aisle width for pallets 1000x1200 crossways	$A_{st}$	mm	2776
4.34	Aisle width for pallets 800x1200 lengthways	$A_{st}$	mm	2832
4.35	Turning radius	$W_a$	mm	1683
6.4	Battery voltage, nominal capacity, Lead-Acid	$K_5$	V/Ah	48/620
	Battery voltage, nominal capacity, Li-Ion	$K_5$	V/Ah	48/300-420
6.5	Battery weight, min. - max.		kg	875/1030

## Mast dimensions

RRE160HR				Triplex Hi-Lo - A						
	Lift height	$h_{23}$	mm	4900	5400	5700	6300	7000	7250	7500
4.4	Lift	$h_3$	mm	4845	5345	5645	6245	6945	7195	7445
4.2	Height, mast lowered	$h_1$	mm	2257	2424	2524	2724	2957	3041	3124
4.3	Free lift	$h_2$	mm	1703	1871	1971	2171	2403	2487	2571
4.5	Height, mast extended	$h_4$	mm	5510	6011	6311	6911	7610	7862	8111



## Vibration

Vibration	RRE160HR
Full body vibration value according to EN 13059 and EN 12096, margin of error 30%	0,5 m/s <sup>2</sup>

## Standard equipment and option availability

BT Reflex O-series	RRE160HR
<b>Truck features</b>	
Adjustable fork width	●
Automatic deceleration	●
Automatic parking brake	●
Clear-view mast	●
Clear-view overhead guard	●
Transparent overhead guard	○
Electronic braking system	●
Electronic regenerative brakes (motor)	●
Electronic speed control	●
Electronic support arm brakes	○
Load support	○
Optimised Cornering Control (OTP)	●
Optimised Reach Control (OTP)	●
Optimised Speed Control when mast reached out (OTP)	●
Integrated sideshift	●
Tilting forks	●
Working lights	○
Blue or red LED warning light	○
<b>Controls and instruments</b>	
360° progressive steering	●
Access Control (PIN codes)	●
Adjustable control console	●
Automatic 0-tilt	○
Camera/monitor system	○
Creep speed function	●
Drive motor temperature warning	●
E-bar	●
Electronic controller temperature warning	●
Electronic height indicator	○
Emergency cut-off	●
Height pre-selector	○
Lift motor temperature warning	●
Load information display	○
Mini-joystick electronic controls	●
Pedals as in a car	●
Power/electronic steering	●
Smart Access (electronic card/fob)	○
Split control panel	●
Steering direction indicator	●
Weight indicator	○
Fork position laser	○
<b>Operator features</b>	
Adjustable seat	●
Adjustable seat with safety belt	○
Adjustable steering wheel	●
Armrest	○
Manually adjustable floor	●
Electrically adjustable floor	○
Driver detection system	●
Driver-adapted programmable performance	●
Heated seat	○
Low step-in	●
Storage compartments	●
Writing table	○

BT Reflex O-series	RRE160HR
<b>Maintenance features</b>	
Easy access for maintenance	●
Fault diagnosis facility	●
Historic fault log	●
<b>Battery management features</b>	
Battery change facility	○
Battery discharge prevention system	●
Battery status indicator	●
Sideways battery change	○
<b>Special applications</b>	
EEx version (ATEX)	○
Weather protection solutions	○