

Reach truck 1.6 ton



BT reflex
O-series
Indoor/Outdoor
RRE160HR



Reach truck, Indoor/Outdoor

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			Redthane ® /Super-elastic
	3.2	Wheel size, front		mm	ø 457/155
	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 ₁₁	mm	1256
Dimensions	4.1	Tilt of fork, forward/backward	α/β	deg	-2° / 4° *)
	4.2	Height, mast lowered	h ₁	mm	2957 *)
	4.3	Free lift	h ₂	mm	2403 *)
	4.4	Lift	h ₃	mm	6945 *)
		Lift height	h ₂₃	mm	7000 *)
	4.5	Height, mast extended	h ₄	mm	7610 *)
	4.7	Height of overhead guard (cabin)	h ₆	mm	2330
	4.8	Seat height	h ₇	mm	1268
	4.10	Height support arms	h ₈	mm	478
	4.15	Height, fork lowered	h ₁₃	mm	55
	4.19	Overall length	l ₁	mm	2494
	4.20	Length to face of forks	l ₂	mm	1344
	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			—
	4.24	Fork carriage width	b ₃	mm	819
	4.25	Width over forks	b ₅	mm	252-698
	4.26	Distance between wheel arms/loading surfaces	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, center of wheelbase	m ₂	mm	145
	4.34.1	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	2776
	4.34.2	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2832
	4.35	Turning radius	W _a	mm	1683
	4.37	Length across support arms	l ₇	mm	1933
Performance data	5.1	Travel speed, with/without load		km/h	12/12
	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	0,59/0,55
	5.4	Reach speed, with/without load		m/s	0,20/0,28
	5.8	Max. gradeability, with/without load ¹⁾		%	10/15
	5.9	Acceleration time with/without load (over 10 m)		s	5,4/4,8
	5.10	Service brake			Electric
Electric motor	6.1	Drive motor rating S2 60 min		kW	10,5
	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 _s		V/Ah	48/620
	6.5	Battery weight		kg	875
	6.6	Energy consumption acc to EN16796:2016		kWh/h	3,50
	6.7	Turnover output		t/h	66,8
	6.8	Energy consumption at turnover output		kWh/h	3,83
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

1) Measured according to company standard

*) 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.

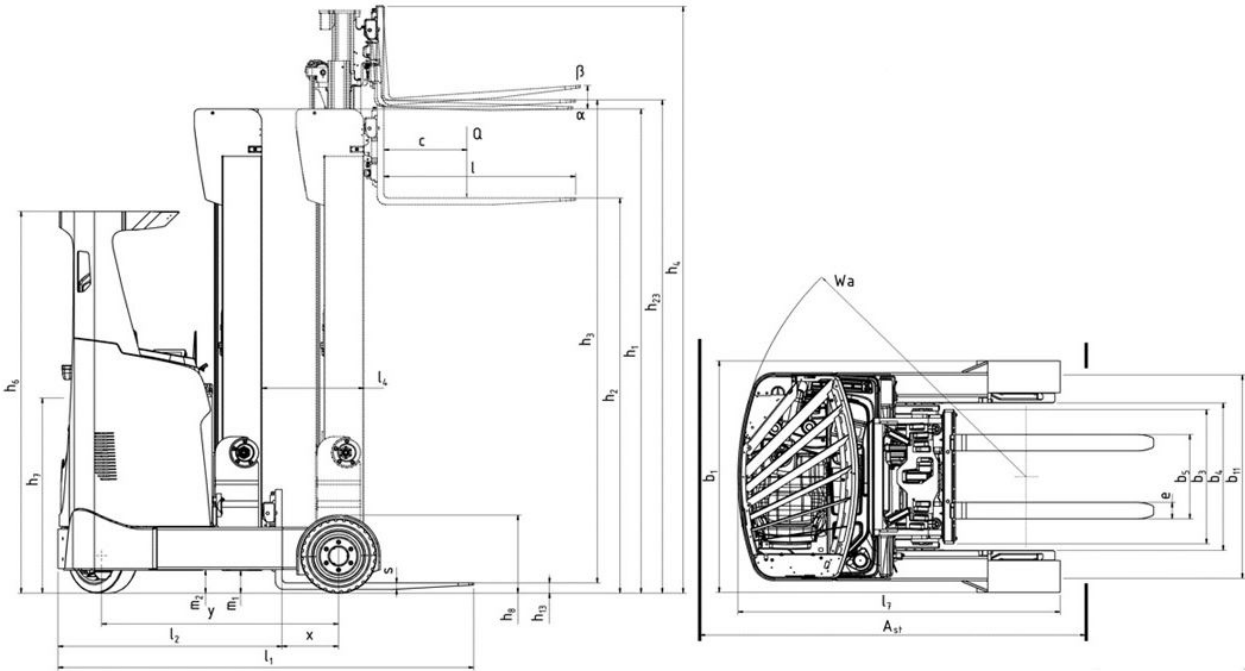
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Battery dependent dimensions

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
4.34.1	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	2776
4.34.2	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_s	V/Ah	48/620
	Battery voltage, nominal capacity, Li-Ion	K_s	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	





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