

## LWE140/160

Specifications					LWE140	LWE160
Identification	1.1	Manufacturer			Toyota	Toyota
	1.2	Model			LWE140	LWE160
	1.3	Drive			Electric	Electric
	1.4	Operator type			Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q	kg	1400	1600
	1.6	Load centre	c	mm	600	600
	1.8	Load distance, centre of support arm wheel to face of forks (forks raised/lowered)	x	mm	928/983 *)	928/983 *)
	1.9	Wheelbase (forks raised/lowered)	y	mm	1260/1315	1317/1372
Weight	2.1	Service weight including battery		kg	419	472
	2.2	Axle load, with load, drive/castor/fork wheel		kg	590/150/1115	695/150/1275
	2.3	Axle load, without load, drive/castor/fork wheel		kg	200/150/105	255/150/115
Wheels	3.1	Drive/castor/fork wheel			Polyurethane	Polyurethane
	3.2	Wheel size, front		mm	Ø 230x70	Ø 230x70
	3.3	Wheel size, rear		mm	Ø 85x100	Ø 85x100
	3.4	Additional wheels (dimensions)		mm	Ø 125x50	Ø 125x50
	3.5	Wheels, number front/rear (x = driven wheels)			1x+2/2	1x+2/2
	3.6	Track width, front	b <sub>10</sub>	mm	430	430
	3.7	Track width, rear	b <sub>11</sub>	mm	394	394
Dimensions	4.4	Lift	h <sub>3</sub>	mm	120	120
		Lift height	h <sub>23</sub>	mm	205	205
	4.9	Height of tiller in drive position, min./max.	h <sub>14</sub>	mm	865/1235	865/1235
	4.15	Height, fork lowered	h <sub>13</sub>	mm	85	85
	4.19	Overall length	l <sub>1</sub>	mm	1631	1688
	4.20	Length to face of forks	l <sub>2</sub>	mm	481	538
	4.21	Overall width	b <sub>1</sub>	mm	726	726
	4.22	Fork dimensions	s/e/l	mm	76/156/1150 *	76/156/1150 *
	4.25	Width over forks	b <sub>5</sub>	mm	550 *	550 *
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	21	21
	4.34.1	Aisle width for pallets 1000x1200 crossways	A <sub>st</sub>	mm	1842	1899
	4.34.2	Aisle width for pallets 800x1200 lengthways	A <sub>st</sub>	mm	1892	1949
	4.35	Turning radius	W <sub>a</sub>	mm	1420	1477
Performance data	5.1	Travel speed, with/without load		km/h	6/6	6/6
	5.2	Lift speed, with/without load		m/s	0,04/0,05	0,04/0,05
	5.3	Lowering speed, with/without load		m/s	0,09/0,08	0,09/0,08
	5.8	Max. gradeability, with/without load		%	8/18 <sup>1)</sup>	8/18 <sup>1)</sup>
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric motor	6.1	Drive motor rating S2 60 min			1,0	1,0
	6.2	Lift motor rating at S3 15%		kW	1,0 <sup>2)</sup>	1,0 <sup>2)</sup>
	6.4	Battery voltage/nominal capacity K <sub>5</sub>		V/Ah	24/150	24/225 *
	6.5	Battery weight		kg	144 <sup>1)</sup>	192 <sup>1)</sup>
	6.6	Energy consumption according to VDI cycle		kWh/h	0,28	0,30
		Energy consumption acc. to EN16796:2016		kWh/h	0,27	0,27
	6.7	Turnover output		t/h	86,5	104,5
	6.8	Energy consumption at turnover output		kWh/h	0,65	0,72
Other	8.1	Type of drive control			Variable AC	Variable AC

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

<sup>2)</sup> S3 10%

\* Further alternatives are available and will produce other values.

Data is based on standard configurations: Small battery compartment (LWE140) and Medium battery compartment (LWE160).

## Battery dependent dimensions

Dimensions		Battery type		LWE140, LWE160			
				Lead/Acid		Li-Ion	
		Battery Compartment		Small	Medium*	Small	Medium*
1.9	Wheelbase, forks raised/lowered	y	mm	1260/1315	1317/1372	1260/1315	1317/1372
2.1	Service weight including battery		kg	419	472	328	351
4.19	Overall length	$l_1$	mm	1631	1688	1631	1688
4.20	Length to face of forks	$l_2$	mm	481	538	481	538
4.34.1	Aisle width for pallets 1000x1200 crossways	$A_{st}$	mm	1842	1899	1842	1899
4.34.2	Aisle width for pallets 800x1200 lengthways	$A_{st}$	mm	1892	1949	1892	1949
4.35	Turning radius, forks raised	$W_a$	mm	1429	1486	1429	1486
6.4	Battery voltage, nominal capacity	$K_s$	V/Ah	24/150	24/225	24/105	24/150
6.5	Battery weight, nominal		kg	144	192	50	71
	Battery weight, min. - max.		kg	120 - 175	180 - 235	45 - 55	64 - 78

\*Valid for LWE160.

