

BT Levio

LWE140
LWE160



Pedestrian Lowlifter

BT Levio

Specification for lowlifter trucks					LWE140	LWE160	
Identification	1.1	Manufacturer			BT	BT	
	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	x	mm	928	928	
	1.9	Wheelbase	y	mm	1257	1257	
	Weight	2.1	Service weight including battery		kg	458	524
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			Topthane/Topthane/PUR *)	Topthane/Topthane/PUR *)	
	3.2	Wheel size, front		mm	Ø85x100	Ø85x100	
	3.3	Wheel size, rear		mm	Ø230x70	Ø230x70	
	3.4	Additional wheels (dimensions)		mm	Ø125x50	Ø125x50	
	3.5	Wheels, number front/rear (x=driven wheels)			2/1x+2	2/1x+2	
	3.6	Track width, front	b ₁₀	mm	394	394	
	3.7	Track width, rear	b ₁₁	mm	430	430	
Dimensions	4.4	Lift		h ₃	mm	120	120
		Lift height		h ₂₃	mm	205	205
	4.9	Height of tiller in drive position, min./max.		h ₁₄	mm	865/1235	865/1235
	4.15	Height, fork lowered		h ₁₃	mm	85	85
	4.19	Overall length		l ₁	mm	1628	1685
	4.20	Length to face of forks		l ₂	mm	478	535
	4.21	Overall width		b ₁	mm	726 ¹⁾	726
	4.22	Fork dimensions		s/e/l	mm	76/156/1150 *)	76/156/1150 *)
	4.25	Width over forks		b ₅	mm	550 *)	550 *)
	4.32	Ground clearance, centre of wheelbase		m ₂	mm	21	21
	4.33	Aisle width for pallets 1000x1200 crossways		A _{st}	mm	1828	1985
4.34	Aisle width for pallets 800x1200 lengthways		A _{st}	mm	1878	2035	
4.35	Turning radius		W _a	mm	1406	1563	
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 ¹⁾	8/18 ¹⁾	
	5.10	Service brake			Electromagnetic	Electromagnetic	
Electric motor	6.1	Drive motor rating S2 60 min		kW	1.0	1.0	
	6.2	Lift motor rating at S3 15%		kW	1.0 ²⁾	1.0 ²⁾	
	6.4	Battery voltage/nominal capacity K ₅		V/Ah	24/150	24/225 *)	
	6.5	Battery weight		kg	158	214 *)	
Others	8.1	Type of drive control			BT Powerdrive	BT Powerdrive	

¹⁾ Measured according to company standard

²⁾ 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).

Truck performance and dimensions are nominal and subject to tolerances. BT Products AB products and specifications are subject to change without notice.

Battery dependent dimensions

Dimensions		Battery Compartment		LWE140	LWE160	
				Small	Small	Medium
1.9	Wheelbase	y	mm	1257	1257	1314
4.19	Overall length	l_1	mm	1628	1628	1685
4.20	Length to face of forks	l_2	mm	478	478	535
4.33	Aisle width for pallets 1000x1200 crossways	A_{st}	mm	1828	1828	1985
4.34	Aisle width for pallets 800x1200 lengthways	A_{st}	mm	1878	1878	2035
4.35	Turning radius	W_a	mm	1406	1406	1563
6.4	Battery voltage, nominal capacity K_5		V/Ah	24/150	24/150	24/225
6.5	Battery weight, min.—max.		kg	120—165	120—165	180—220



