Pedestrian lowlifter truck 2.4 ton

BT Orion LPE240















Pedestrian lowlifter

1.1 Manufacturer 1.2 Model	Specifi	ication	n for lowlifter trucks			LPE240
1.2 Model	2,000					
1.3 Drive	Identification		Model			
1.4 Operator type						
1.8 Load distance, centre of support arm wheel to face of forks x mm 909 1.9 Wheelbase y mm 1605 2.1 Service weight without battery kg 730 2.2 Axle load, with load, drive/castor/fork wheel kg 510/300/210 3.1 Drive/castor/fork wheel kg 510/300/210 3.2 Wheel size, front mm 0 250 3.3 Wheel size, front mm 0 250 3.4 Additional wheels (dimensions) mm 0 450 x 50 3.5 Wheels, number front/tear (x-driven wheels) 2-1x/4 3.6 Track width, front b ₁₀ mm 547 3.7 Track width, front b ₁₀ mm 370 4.1 Lift height b ₁₂ mm 210 4.8 Stand height b ₁₂ mm 125 Lift height b ₁₂ mm 1085/1450 4.9 Height of filler in drive position, min./max. b ₁₁ mm 1085/1450 4.10 Overall length l ₁ mm 1895 4.21 Overall width b ₁ mm 787/180/1150 4.22 Fork dimensions scie/l mm 787/180/1150 4.23 Width over forks l ₂ mm 831 4.24 Voerall width b ₁ mm 787/180/1150 4.25 Width over forks l ₂ mm 855 4.30 Alsie width for pallets 1000x1200 crossways A ₃ mm 2016 4.31 Alsie width for pallets 1000x1200 crossways A ₃ mm 2016 4.32 Travel speed, with/without load km/h 8.0/12 ² 5.1 Travel speed, with/without load km/h 8.0/12 ² 5.1 Travel speed, with/without load km/h 8.0/12 ² 5.1 Travel speed, with/without load m/s 0.04/0.04 5.1 Service brake Electric El						
1.8 Load distance, centre of support arm wheel to face of forks x mm 909 1.9 Wheelbase y mm 1605 2.1 Service weight without battery kg 730 2.2 Axle load, with load, drive/castor/fork wheel kg 510/300/210 3.1 Drive/castor/fork wheel kg 510/300/210 3.2 Wheel size, front mm 0 250 3.3 Wheel size, front mm 0 250 3.4 Additional wheels (dimensions) mm 0 450 x 50 3.5 Wheels, number front/tear (x-driven wheels) 2-1x/4 3.6 Track width, front b ₁₀ mm 547 3.7 Track width, front b ₁₀ mm 370 4.1 Lift height b ₁₂ mm 210 4.8 Stand height b ₁₂ mm 125 Lift height b ₁₂ mm 1085/1450 4.9 Height of filler in drive position, min./max. b ₁₁ mm 1085/1450 4.10 Overall length l ₁ mm 1895 4.21 Overall width b ₁ mm 787/180/1150 4.22 Fork dimensions scie/l mm 787/180/1150 4.23 Width over forks l ₂ mm 831 4.24 Voerall width b ₁ mm 787/180/1150 4.25 Width over forks l ₂ mm 855 4.30 Alsie width for pallets 1000x1200 crossways A ₃ mm 2016 4.31 Alsie width for pallets 1000x1200 crossways A ₃ mm 2016 4.32 Travel speed, with/without load km/h 8.0/12 ² 5.1 Travel speed, with/without load km/h 8.0/12 ² 5.1 Travel speed, with/without load km/h 8.0/12 ² 5.1 Travel speed, with/without load m/s 0.04/0.04 5.1 Service brake Electric El				Q	ka	
1.8 Load distance, centre of support arm wheel to face of forks x mm 909						
1.9 Wheelbase					mm	
Service weight without battery kg 835/590/2150			· ·	y	mm	1605
2.2 Axle load, with load, drive/castor/fork wheel		2.1	Service weight without battery	1	kg	730
Nate Case, without load, only excastomork wheel National Color Nat	eigh	2.2			_	835/590/2150
Note Size, front Size, f	Š				_	
3.3 Wheel size, rear mm Ø 85x75 0						Vulkollan
3.3 Wheel size, rear mm Ø 85x75 mm Ø 150 x 50		3.2	Wheel size, front		mm	Ø 250
3.4 Additional wheels (dimensions) mm Ø 150 x 50	w	3.3			mm	Ø 85x75 ¹⁾
3.6 Track width, front 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 547 5	Wheels		•		mm	Ø 150 x 50
3.6 Track width, front 5,0 mm 547 mm 370		3.5	, ,			
1.7 Track width, rear 1.8 1.1 1.1 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.		3.6	Track width, front	b ₁₀	mm	547
4.4 Lift		3.7	Track width, rear		mm	370
Lift height		4.4	Lift		mm	125
4.8 Stand height			Lift height		mm	210
4.9 Height of tiller in drive position, min./max. h ₁₄ mm 1085/1450		4.8	Stand height		mm	184
4.15 Height, fork lowered h ₁₃ mm 85 4.19 Overall length 1, mm 1895 4.20 Length to face of forks 1, mm 790 4.21 Overall width b ₁ mm 78/180/1150 4.22 Fork dimensions s/e/l mm 78/180/1150 4.25 Width over forks b ₅ mm 550 4.30 Aisle width for pallets 1000x1200 crossways A _{st} mm 2016 4.31 Aisle width for pallets 800x1200 lengthways A _{st} mm 2216 4.35 Turning radius W _s mm 1725 5.1 Travel speed, with/without load m/s 0,04/0,06 5.2 Lift speed, with/without load m/s 0,04/0,04 5.3 Lowering speed, with/without load m/s 0,04/0,04 5.4 Service brake Electric 6.1 Drive motor rating at S3 10% kW 2,2 6.4 Battery voltage/nominal capacity K _s V/Ah 24/450 6.5 Battery weight BT Powerdrive 8.1 Type of drive control BT Powerdrive 8.2 Type of drive control BT Powerdrive 8.3 Type of drive control		4.9	Height of tiller in drive position, min./max.		mm	1085/1450
4.19 Overall length I, mm 1895 4.20 Length to face of forks I, mm 790 4.21 Overall width b, mm 78/180/1150 4.22 Fork dimensions s/e/l mm 78/180/1150 4.25 Width over forks b, mm 550 4.30 Ground clearance, centre of wheelbase m, mm 55 4.31 Aisle width for pallets 1000x1200 crossways A, mm 2016 4.34 Aisle width for pallets 800x1200 lengthways A, mm 2216 4.35 Turning radius W, mm 1725 5.1 Travel speed, with/without load km/h 8,0/12 20 5.2 Lift speed, with/without load m/s 0,04/0,06 5.3 Lowering speed, with/without load m/s 0,04/0,04 5.8 Max. gradeability, with/without load % 8/15 30 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min kW 2,5 6.2 Lift motor rating at S3 10% kW 2,2 6.4 Battery voltage/nominal capacity K _s V/Ah 24/450 6.5 Battery weight kg 380 8.1 Type of drive control BT Powerdrive		4.15	Height, fork lowered		mm	85
4.22 Fork dimensions 4.25 Width over forks 4.32 Ground clearance, centre of wheelbase M ₁ mm 55 4.33 Aisle width for pallets 1000x1200 crossways A _{st} mm 2016 4.34 Aisle width for pallets 800x1200 lengthways A _{st} mm 2216 4.35 Turning radius W _a mm 1725 5.1 Travel speed, with/without load km/h 8,0/12 ²⁾ 5.2 Lift speed, with/without load m/s 0,04/0,06 5.3 Lowering speed, with/without load m/s 0,04/0,04 5.8 Max. gradeability, with/without load % 8/15 ³⁾ 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min kW 2,5 6.2 Lift motor rating at S3 10% kW 2,2 6.3 Battery woltage/nominal capacity K ₅ kg 380 5 Type of drive control BT Powerdrive	ટા	4.19	Overall length	I ₁	mm	1895
4.22 Fork dimensions 4.25 Width over forks 4.32 Ground clearance, centre of wheelbase M ₁ mm 55 4.33 Aisle width for pallets 1000x1200 crossways A _{st} mm 2016 4.34 Aisle width for pallets 800x1200 lengthways A _{st} mm 2216 4.35 Turning radius W _a mm 1725 5.1 Travel speed, with/without load km/h 8,0/12 ²⁾ 5.2 Lift speed, with/without load m/s 0,04/0,06 5.3 Lowering speed, with/without load m/s 0,04/0,04 5.8 Max. gradeability, with/without load % 8/15 ³⁾ 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min kW 2,5 6.2 Lift motor rating at S3 10% kW 2,2 6.3 Battery woltage/nominal capacity K ₅ kg 380 5 Type of drive control BT Powerdrive	Isior	4.20	Length to face of forks	l ₂	mm	831
4.22 Fork dimensions 4.25 Width over forks 4.32 Ground clearance, centre of wheelbase M ₁ mm 55 4.33 Aisle width for pallets 1000x1200 crossways A _{st} mm 2016 4.34 Aisle width for pallets 800x1200 lengthways A _{st} mm 2216 4.35 Turning radius W _a mm 1725 5.1 Travel speed, with/without load km/h 8,0/12 ²⁾ 5.2 Lift speed, with/without load m/s 0,04/0,06 5.3 Lowering speed, with/without load m/s 0,04/0,04 5.8 Max. gradeability, with/without load % 8/15 ³⁾ 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min kW 2,5 6.2 Lift motor rating at S3 10% kW 2,2 6.3 Battery woltage/nominal capacity K ₅ kg 380 5 Type of drive control BT Powerdrive	men	4.21	Overall width		mm	790
4.32 Ground clearance, centre of wheelbase m ₁ mm 55 4.33 Aisle width for pallets 1000x1200 crossways A _{st} mm 2016 4.34 Aisle width for pallets 800x1200 lengthways A _{st} mm 2216 4.35 Turning radius W _a mm 1725 5.1 Travel speed, with/without load km/h 8,0/12 ²⁾ 5.2 Lift speed, with/without load m/s 0,04/0,06 5.3 Lowering speed, with/without load m/s 0,04/0,04 5.8 Max. gradeability, with/without load 8/15 ³⁾ 5.10 Service brake Electric 6.1 Drive motor rating S2 60 min kW 2,5 6.2 Lift motor rating at S3 10% kW 2,2 6.4 Battery voltage/nominal capacity K _s V/Ah 24/450 6.5 Battery weight BT Powerdrive	Ö	4.22	Fork dimensions	s/e/l	mm	78/180/1150
4.33 Aisle width for pallets 1000x1200 crossways 4.34 Aisle width for pallets 800x1200 lengthways 4.35 Turning radius 5.1 Travel speed, with/without load 5.2 Lift speed, with/without load 5.3 Lowering speed, with/without load 5.8 Max. gradeability, with/without load 5.10 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 4.34 Aisle width for pallets 1000x1200 crossways A _{st} mm 2016 Mm 2016 Mm 2016 Mm 2016 Mm 2016 Mm/s 0,04/0,06 Mm/s 0,04/0,04 Ms/s 8/15 3) Electric Electric 6.1 Drive motor rating S2 60 min Mm 2016 Mm 2216 Mm/s 0,04/0,06 Ms/s 0,04/0,04 Ms/s 0,04/0,06 M		4.25	Width over forks	b ₅	mm	550
4.34 Aisle width for pallets 800x1200 lengthways 4.35 Turning radius Turning radius 5.1 Travel speed, with/without load 5.2 Lift speed, with/without load 5.3 Lowering speed, with/without load 5.4 Max. gradeability, with/without load 5.5 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control Mm/ 2216 mm 2216 mm 2216 mm 2216 mm 48,0/12²) m/s 0,04/0,06 m/s 0,04/0,04 8/15³) Electric Electric kW 2,5 kW 2,2 V/Ah 24/450 kg 380 BT Powerdrive		4.32	Ground clearance, centre of wheelbase	m ₁	mm	55
4.35 Turning radius Travel speed, with/without load 5.1 Travel speed, with/without load 5.2 Lift speed, with/without load 5.3 Lowering speed, with/without load 5.8 Max. gradeability, with/without load 5.9 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control Mm/h 8,0/12 ² M/s 0,04/0,06 M/s 0,04/0,04 M/s 0,04/0,04 M/s 0,04/0,04 M/s 2,5 Electric KW 2,5 V/Ah 24/450 Kg 380 BT Powerdrive		4.33	Aisle width for pallets 1000x1200 crossways	A _{st}	mm	2016
S.1 Travel speed, with/without load km/h 8,0/12 2		4.34	Aisle width for pallets 800x1200 lengthways	A _{st}	mm	2216
5.2 Lift speed, with/without load 5.3 Lowering speed, with/without load 5.8 Max. gradeability, with/without load 5.10 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control m/s 0,04/0,06 m/s 0,04/0,04 % 8/15 ³) KW 2,5 kW 2,2 V/Ah 24/450 kg 380 BT Powerdrive		4.35	Turning radius	W _a	mm	1725
5.10 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control Electric kW 2,5 kW 2,2 V/Ah 24/450 kg 380 BT Powerdrive	σ	5.1	Travel speed, with/without load		km/h	8,0/12 2)
5.10 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control Electric kW 2,5 kW 2,2 V/Ah 24/450 kg 380 BT Powerdrive	ance	5.2	Lift speed, with/without load		m/s	0,04/0,06
5.10 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control Electric kW 2,5 kW 2,2 V/Ah 24/450 kg 380 BT Powerdrive		5.3	Lowering speed, with/without load		m/s	0,04/0,04
5.10 Service brake 6.1 Drive motor rating S2 60 min 6.2 Lift motor rating at S3 10% 6.4 Battery voltage/nominal capacity K ₅ 6.5 Battery weight 8.1 Type of drive control Electric kW 2,5 kW 2,2 V/Ah 24/450 kg 380 BT Powerdrive		5.8	Max. gradeability, with/without load		%	8/15 ³⁾
6.2 Lift motor rating at S3 10% kW 2,2 6.4 Battery voltage/nominal capacity K ₅ V/Ah 24/450 6.5 Battery weight kg 380 Example 18.1 Type of drive control BT Powerdrive			Service brake			Electric
6.5 Battery weight kg 380 Let 29 8.1 Type of drive control BT Powerdrive					kW	
6.5 Battery weight kg 380 Let 29 8.1 Type of drive control BT Powerdrive			-		kW	·
8.1 Type of drive control		6.4	Battery voltage/nominal capacity K ₅		V/Ah	24/450
		6.5	Battery weight		kg	380
8.4 Sound level at the driver's ear acc to EN12 053 dB(A) 58	Oth- ers	8.1	Type of drive control			BT Powerdrive
		8.4	Sound level at the driver's ear acc to EN12 053		dB(A)	58

¹⁾ Single wheels up to and including I = 1450 mm

All data are based on table configuration. Other configurations may give other values. Truck performance and dimensions are nominal and subject to tolerances. Specifications are subject to change without notice.

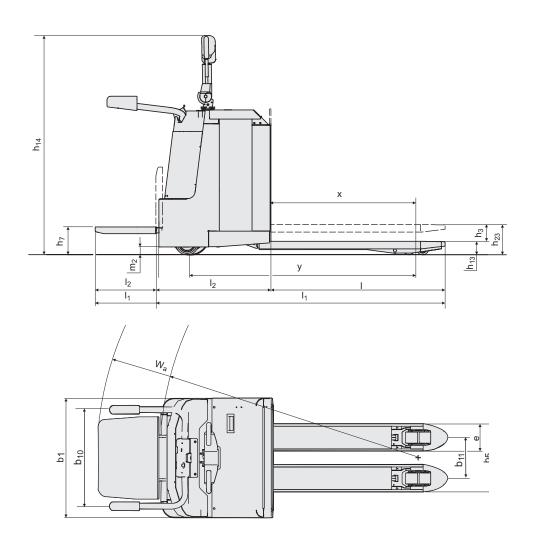
²⁾ With rated load, small battery compartment: Travel speed = 8.5 khm/h

³⁾ Measured according to company standard

Battery dependent dimensions

BT Orion

			LPE240				
Dimensions		Battery compartment		Medium	Large		
1.9	Wheelbase	у	mm	1605	1691		
4.19	Overall length with platform up/down	I,	mm	1895/2317	1981/2403		
4.20	Length to face of forks with platform up/down		mm	745/1167	831/1253		
4.33	Aisle width for pallets 1000x1200						
	with platform up/down	A _{st}	mm	2016/2438	2102/2524		
4.34	Aisle width for pallets 800x1200						
	with platform up/down	A _{st}	mm	2216/2638	2302/2724		
4.35	Turning radius with platform up/down	Wa	mm	1725/2147	1811/2233		
6.4	Battery voltage, nominal capacity K ₅		V/Ah	24/300-465	24/300-620		
6.5	Battery weight, min.—max.		kg	250—380	280—500		



Truck features:

- BT Powerdrive System
- Powertrak traction system
- Fingertip controls
- Information display
- Electronic braking system
- Electronic regenerative brakes
- Driver detection system
- Sideways battery change



