

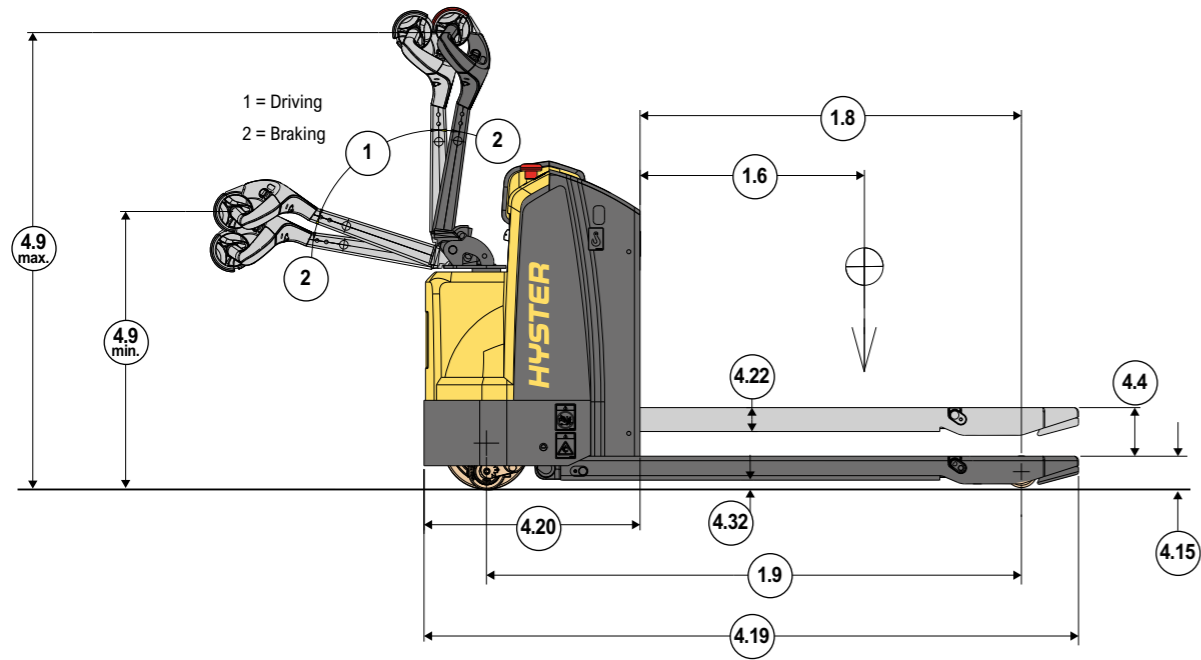
P1.6-2.2 SERIES



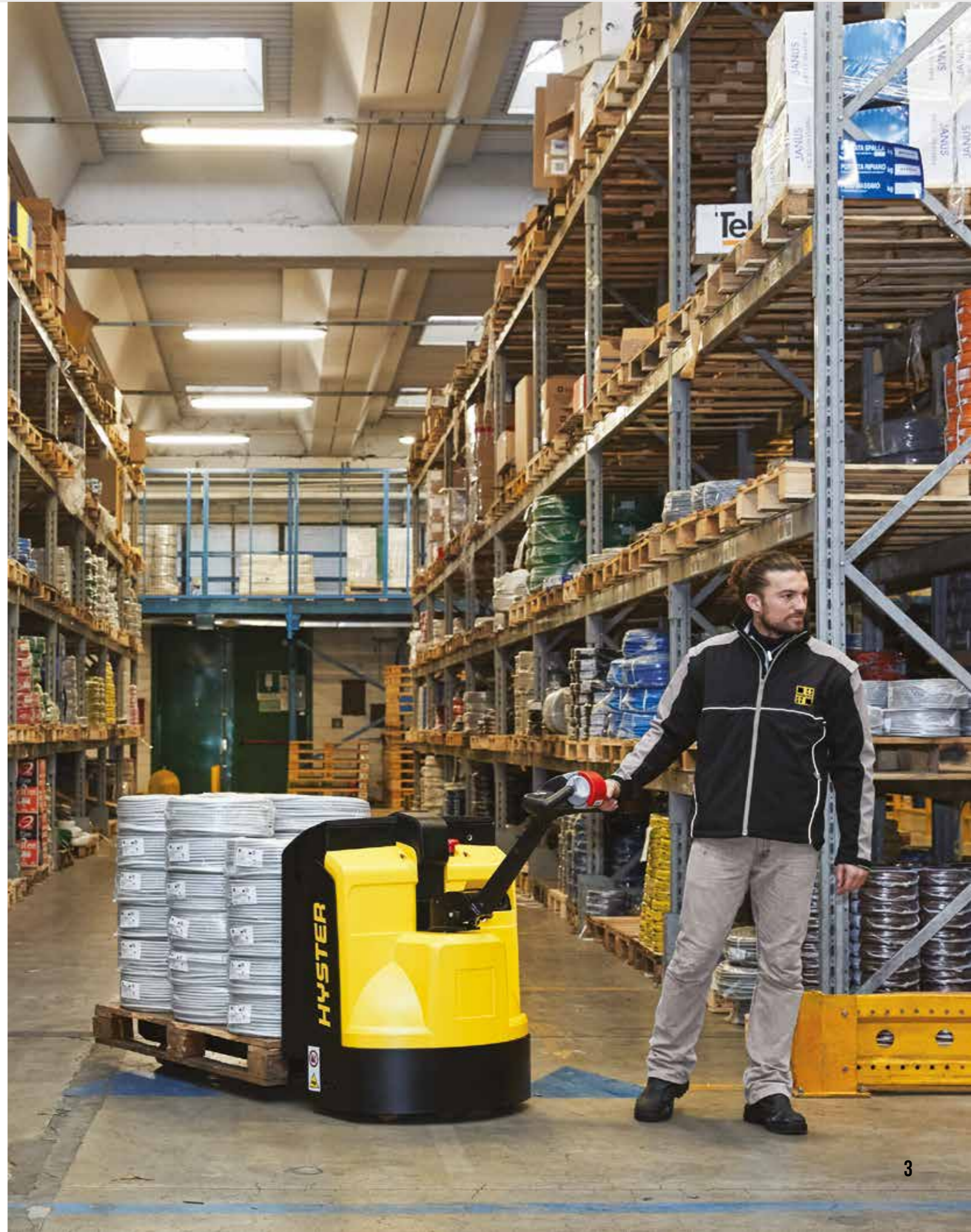
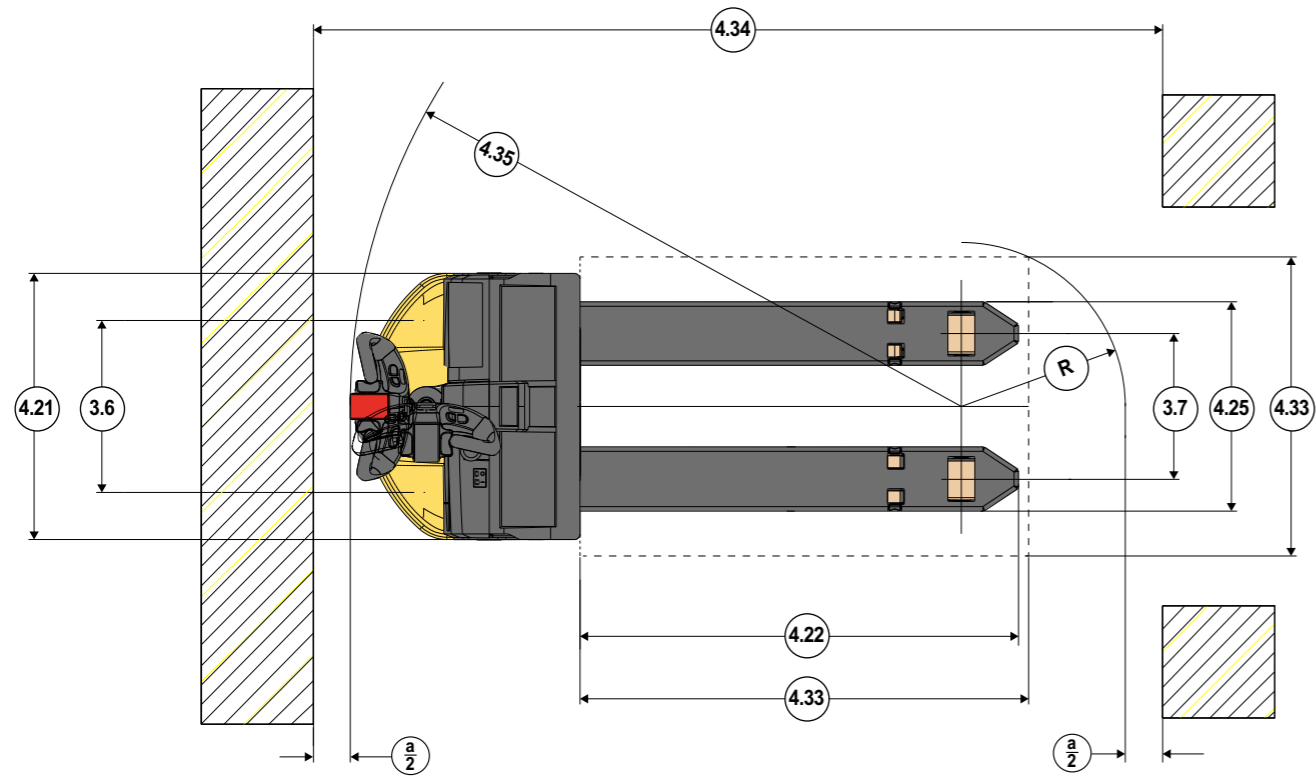
POWERED PALLET TRUCK PRODUCT TECHNICAL GUIDE



TRUCK DIMENSIONS



$Ast = Wa + R + a$
 $Ast = Wa + \sqrt{(l_6 - x)^2 + (b_{12} / 2)^2} + a$
 $a = 200$



GENERAL	1-1	Manufacturer	HYSTER				
	1-2	Model designation	P1.6	P1.8	P2.0	P2.2	
1-3	Drive	Battery					
1-4	Operator type	Pedestrian					
1-5	Rated capacity / rated load	Q ₁	t	1.6	1.8	2.0	2.2
1-6	Load centre distance (2)	c	mm	600			
1-8	Load distance, centre of drive axle to fork (2)	x	mm	955			
1-9	Wheelbase (2)	y	mm	1368	1440		
WEIGHT	2-1	Service weight (2) (1)	kg	545	632		
	2-2	Axle loading laden, front / rear (2)	kg	841 / 1304	893 / 1452	983 / 1649	1032 / 1800
	2-3	Axle loading unladen, front / rear (2)	kg	425 / 120	489 / 143		
WHEELS	3-1	Tyre type	Polyurethane				
	3-2	Tyre size, front	ø	mm x mm	250 x 75		
	3-3	Tyre size, rear	ø	mm x mm	85 x 110		
	3-4	Additional wheels (dimensions)	ø	mm x mm	100 x 40		
	3-5	Wheels, number front / rear (x = driven wheels)	1x + 2 / 2				
	3-6	Tread, front	b ₁₀	mm	461		
	3-7	Tread, rear	b ₁₁	mm	390		
DIMENSIONS	4-4	Lift	h ₃	mm	130		
	4-9	Height drawbar in driving position min./max.	h ₁₄	mm	744 / 1221		
	4-15	Height, lowered	h ₁₃	mm	85		
	4-19	Overall length (2)	l ₁	mm	1734	1806	
	4-20	Length to face of forks (2)	l ₂	mm	578	650	
	4-21	Overall width	b ₁ /b ₂	mm	712		
	4-22	Fork dimensions (2)	s/e/l	mm	64 / 172 / 1156		
	4-25	Forks spread	b ₅	mm	560		
	4-32	Ground clearance, centre of wheelbase	m ₂	mm	21		
	4-33	Load dimension b ₁₂ x l ₆	-				
4-34-1	Aisle width for pallets 1000 x 1200 crossways (2)	A _{st}	mm	2337	2409		
4-34-2	Aisle width for pallets 800mm x 1200mm lengthwise (2)	A _{st}	mm	2204	2276		
4-35	Turning radius (2)	W _a	mm	1535	1607		
PERFORMANCE	5-1	Travel speed, laden / unladen load	km/h	6 / 6			
	5-1-1	Travel speed, laden / unladen load, backwards	km/h	6 / 6			
	5-2	Lifting speed, laden / unladen load	m/s	0.04 / 0.05			
	5-3	Lowering speed, laden / unladen load	m/s	0.09 / 0.04			
	5-7	Gradeability - 1.6 km/h, laden / unladen load	%	5.5 / 15.0	5.0 / 15.0	4.5 / 15.0	4.0 / 15.0
	5-8	Max. gradeability - 1.6 km/h, laden / unladen load (6)	%	10.0 / 20.0 (12 / 24)	9.0 / 20.0 (10.8 / 24)	8.0 / 20.0 (9.6 / 24)	7.5 / 20.0 (9 / 24)
5-10	Service brake	Electromagnetic					
ELECTRIC ENGINE	6-1	Drive motor, S2 60 min rating	kW	1.25			
	6-2	Lift motor S3 15% rating	kW	1.2			
	6-3	Battery according to DIN 43531/35/36 A,B,C, no	B				
	6-4	Battery voltage / nominal capacity K _s (2)	V/Ah	24 / 250 (3)	24 / 250 (3)	24 / 375 (4)	24 / 375 (5)
	6-5	Battery weight (2) (1)	kg	212	288		
	6-6	Energy consumption according to VDI cycle	kWh/h	0.32	0.36	0.41	
	6-7	Turnover output according to VDI 2198	t/h	89	110	120	
	6-8	Turnover efficiency according to VDI 2198	t/kWh	112	117	119	
8-1	Type of drive unit	AC-Controller					
10-7	Sound pressure level at the driver's seat	dB (A)	< 70				

(1) These values may vary of +/- 5%
 (2) See "Batteries table"
 (3) Available batteries 150Ah, 210Ah and 60Ah, 100Ah, 120Ah Li-Ion
 (4) Available batteries 150Ah, 210Ah, 250Ah, 315Ah and 60Ah, 100Ah, 120Ah, 200Ah Li-Ion
 (5) Available batteries 210Ah, 250Ah, 315Ah and 100Ah, 200Ah Li-Ion
 (6) Values in bracket are Optional

BATTERY COMPARTMENT 375 / 315 AH (B5 = 520MM - 560MM - 670MM)

1-6	Load centre distance	c mm	400	500	600	700	800	400	500	600	700	800	
1-8	Load distance, centre of drive axle to fork	x mm	599	805	955	1199	1399	599	805	955	1199	1399	
1-9	Wheelbase	y mm	1084	1290	1440	1684	1884	1084	1290	1440	1684	1884	
2-1	Service weight (1)	kg	612	623	632	646	657	456	467	476	490	501	
2-2	Axle loading, laden (3)	kg	809	944	983	1106	1166	753	756	759	763	767	
		kg	1803	1679	1649	1540	1491	1703	1711	1717	1727	1734	
2-3	Axle loading, unladen	kg	441	471	489	513	529	140	143	146	150	154	
		kg	171	152	143	133	128	316	324	330	340	347	
4-19	Overall length (pedestrian)	l ₁ mm	1450	1656	1806	2050	2250	1450	1656	1806	2050	2250	
4-20	Length to face of forks (pedestrian)	l ₂ mm	650	650	650	650	650	650	650	650	650	650	
4-22	Fork length	s/e/l mm	800	1006	1156	1400	1600	800	1006	1156	1400	1600	
4-34-1	Aisle width for pallets 1000mm x 1200mm wide (pedestrian)	A _{st} mm	2173	2288	2409	2683	2972	2173	2288	2409	2683	2972	
4-34-2	Aisle width for pallets 800mm x 1200mm long (pedestrian)	A _{st} mm	2173	2219	2276	2451	2698	2173	2219	2276	2451	2698	
4-35	Turning radius (pedestrian)	W _a mm	1251	1457	1607	1851	2051	1251	1457	1607	1851	2051	
6-3	Battery according to DIN 43531/35/36 A,B,C, no	B					No						
6-4	Battery voltage / capacity at 5 hours rate (2)	V/Ah	24 / 375 - 315					24 / 200 (2)					
6-5	Battery weight (1)	kg	288					132					

BATTERY COMPARTMENT 250 / 210 AH (B5 = 520MM - 560MM - 670MM)

1-6	Load centre distance	c mm	400	500	600	700	800	400	500	600	700	800	
1-8	Load distance, centre of drive axle to fork	x mm	599	805	955	1199	1399	599	805	955	1199	1399	
1-9	Wheelbase	y mm	1012	1218	1368	1612	1812	1012	1218	1368	1612	1812	
2-1	Service weight (1)	kg	525	536	545	559	570	499 (5)	510 (5)	519 (5)	533 (5)	544 (5)	
2-2	Axle loading, laden (3)	kg	776	910	945	1066	1123	768	771	774	909	945	
		kg	1749	1626	1600	1493	1447	1731	1739	1745	1624	1599	
2-3	Axle loading, unladen	kg	382	409	425	447	461	363	371	378	407	424	
		kg	143	127	120	112	109	136	139	141	126	120	
4-19	Overall length (pedestrian)	l ₁ mm	1378	1584	1734	1978	2178	1378	1584	1734	1978	2178	
4-20	Length to face of forks (pedestrian)	l ₂ mm	578	578	578	578	578	578	578	578	578	578	
4-22	Fork length	s/e/l mm	800	1006	1156	1400	1600	800	1006	1156	1400	1600	
4-34-1	Aisle width for pallets 1000mm x 1200mm wide (pedestrian)	A _{st} mm	2101	2216	2337	2611	2900	2101	2216	2337	2611	2900	
4-34-2	Aisle width for pallets 800mm x 1200mm long (pedestrian)	A _{st} mm	2101	2147	2204	2379	2626	2101	2147	2204	2379	2626	
4-35	Turning radius (pedestrian)	W _a mm	1179	1385	1535	1779	1979	1179	1385	1535	1779	1979	
6-3	Battery according to DIN 43531/35/36 A,B,C, no	B					No						
6-4	Battery voltage / capacity at 5 hours rate (2)	V/Ah	24 / 250 - 210					24 / 250 (4)					
6-5	Battery weight (1)	kg	212					180					

BATTERY COMPARTMENT 150 AH (B5 = 520MM - 560MM - 670MM)

1-6	Load centre distance	c mm	400	500	600	700	800	400	500	600	700	800	
1-8	Load distance, centre of drive axle to fork	x mm	599	805	955	1199	1399	599	805	955	1199	1399	
1-9	Wheelbase	y mm	950	1156	1306	1550	1750	950	1156	1306	1550	1750	
2-1	Service weight (1)	kg	449	460	469	483	494	430	441	450	464	475	
2-2	Axle loading, laden (3)	kg	748	881	912	1032	1086	729	862	893	1013	1067	
		kg	1701	1579	1557	1451	1408	1701	1579	1557	1451	1408	
2-3	Axle loading, unladen	kg	328	352	367	387	400	314	337	352	371	384	
		kg	121	108	102	96	94	116	104	98	93	91	
4-19	Overall length (pedestrian)	l ₁ mm	1316	1522	1672	1916	2116	1316	1522	1672	1916	2116	
4-20	Length to face of forks (pedestrian)	l ₂ mm	516	516	516	516	516	516	516	516	516	516	
4-22	Fork length	s/e/l mm	800	1006	1156	1400	1600	800	1006	1156	1400	1600	
4-34-1	Aisle width for pallets 1000mm x 1200mm wide (pedestrian)	A _{st} mm	2039	2154	2275	2549	2838	2039	2154	2275	2549	2838	
4-34-2	Aisle width for pallets 800mm x 1200mm long (pedestrian)	A _{st} mm	2039	2085	2142	2317	2564	2039	2085	2142	2317	2564	
4-35	Turning radius (pedestrian)	W _a mm	1117	1323	1473	1717	1917	1117	1323	1473	1717	1917	
6-3	Battery according to DIN 43531/35/36 A,B,C, no	No					No						
6-4	Battery voltage / capacity at 5 hours rate (2)	V/Ah	24 / 150					24 / 150 (4)					
6-5	Battery weight (1)	kg	144					125					

(1) These values may vary of +/- 5%
 (2) Li-Ion battery
 (3) Axle loading with LOAD = 2000Kg
 (4) Polypropylene case version
 (5) Includes ballast 6kg

BATTERY COMPARTMENT

BATTERY COMPARTMENT 150 AH (B5 = 520MM - 560MM - 670MM) - CONTINUED

1-6	Load centre distance	c mm	400	500	600	700	800	400	500	600	700	800	
1-8	Load distance, centre of drive axle to fork	x mm	599	805	955	1199	1399	599	805	955	1199	1399	
1-9	Wheelbase	y mm	950	1156	1306	1550	1750	950	1156	1306	1550	1750	
2-1	Service weight (1)	kg	367	378	387	401	412	350	361	370	384	395	
2-2	Axle loading, laden (3)	kg	Front	723	726	729	734	737	718	721	724	728	732
		Rear	1644	1652	1658	1667	1675	1632	1640	1646	1656	1663	
2-3	Axle loading, unladen	kg	Front	112	115	118	123	126	107	110	113	117	121
		Rear	255	263	269	278	286	243	251	257	267	274	
4-19	Overall length (pedestrian)	l ₁ mm	1316	1522	1672	1916	2116	1316	1522	1672	1916	2116	
4-20	Length to face of forks (pedestrian)	l ₂ mm	516	516	516	516	516	516	516	516	516	516	
4-22	Fork length	s/e/l mm	800	1006	1156	1400	1600	800	1006	1156	1400	1600	
4-34-1	Aisle width for pallets 1000mm x 1200mm wide (pedestrian)	A _{st} mm	2039	2154	2275	2549	2838	2039	2154	2275	2549	2838	
4-34-2	Aisle width for pallets 800mm x 1200mm long (pedestrian)	A _{st} mm	2039	2085	2142	2317	2564	2039	2085	2142	2317	2564	
4-35	Turning radius (pedestrian)	W _a mm	1117	1323	1473	1717	1917	1117	1323	1473	1717	1917	
6-3	Battery according to DIN 43531/35/36 A,B,C, no		No				No						
6-4	Battery voltage / capacity at 5 hours rate (2)	V/Ah	24 / 50 (2)				24 / 60 (2)						
6-5	Battery weight (1)	kg	62				45						

BATTERY COMPARTMENT 150 AH (B5 = 520MM - 560MM - 670MM) - CONTINUED

1-6	Load centre distance	c mm	400	500	600	700	800	
1-8	Load distance, centre of drive axle to fork	x mm	599	805	955	1199	1399	
1-9	Wheelbase	y mm	950	1156	1306	1550	1750	
2-1	Service weight (1)	kg	380	391	400	414	425	
2-2	Axle loading, laden (3)	kg	Front	727.1	730.5	733.2	737.5	740.8
		Rear	1653	1661	1667	1677	1684	
2-3	Axle loading, unladen	kg	Front	116.1	119.5	122.2	126.5	129.8
		Rear	263.9	271.5	277.8	287.5	295.2	
4-19	Overall length (pedestrian)	l ₁ mm	1316	1522	1672	1916	2116	
4-20	Length to face of forks (pedestrian)	l ₂ mm	516	516	516	516	516	
4-22	Fork length	s/e/l mm	800	1006	1156	1400	1600	
4-34-1	Aisle width for pallets 1000mm x 1200mm wide (pedestrian)	A _{st} mm	2039	2154	2275	2549	2838	
4-34-2	Aisle width for pallets 800mm x 1200mm long (pedestrian)	A _{st} mm	2039	2085	2142	2317	2564	
4-35	Turning radius (pedestrian)	W _a mm	1117	1323	1473	1717	1917	
6-3	Battery according to DIN 43531/35/36 A,B,C, no		No					
6-4	Battery voltage / capacity at 5 hours rate (2)	V/Ah	24 / 120 (2)					
6-5	Battery weight (1)	kg	75					

- (1) These values may vary of +/- 5%
 (2) Li-Ion battery
 (3) Axle loading with LOAD = 2000Kg






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Registered in England and Wales. Company Registration Number: 02636775.

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Safety: This truck conforms to the current
EU and UK CA requirements