

Compact Pedestrian Pallet Stackers

PRELIMINARY

TECHNICAL SPECIFICATIONS

SPD12-N2 & SPL12-N2



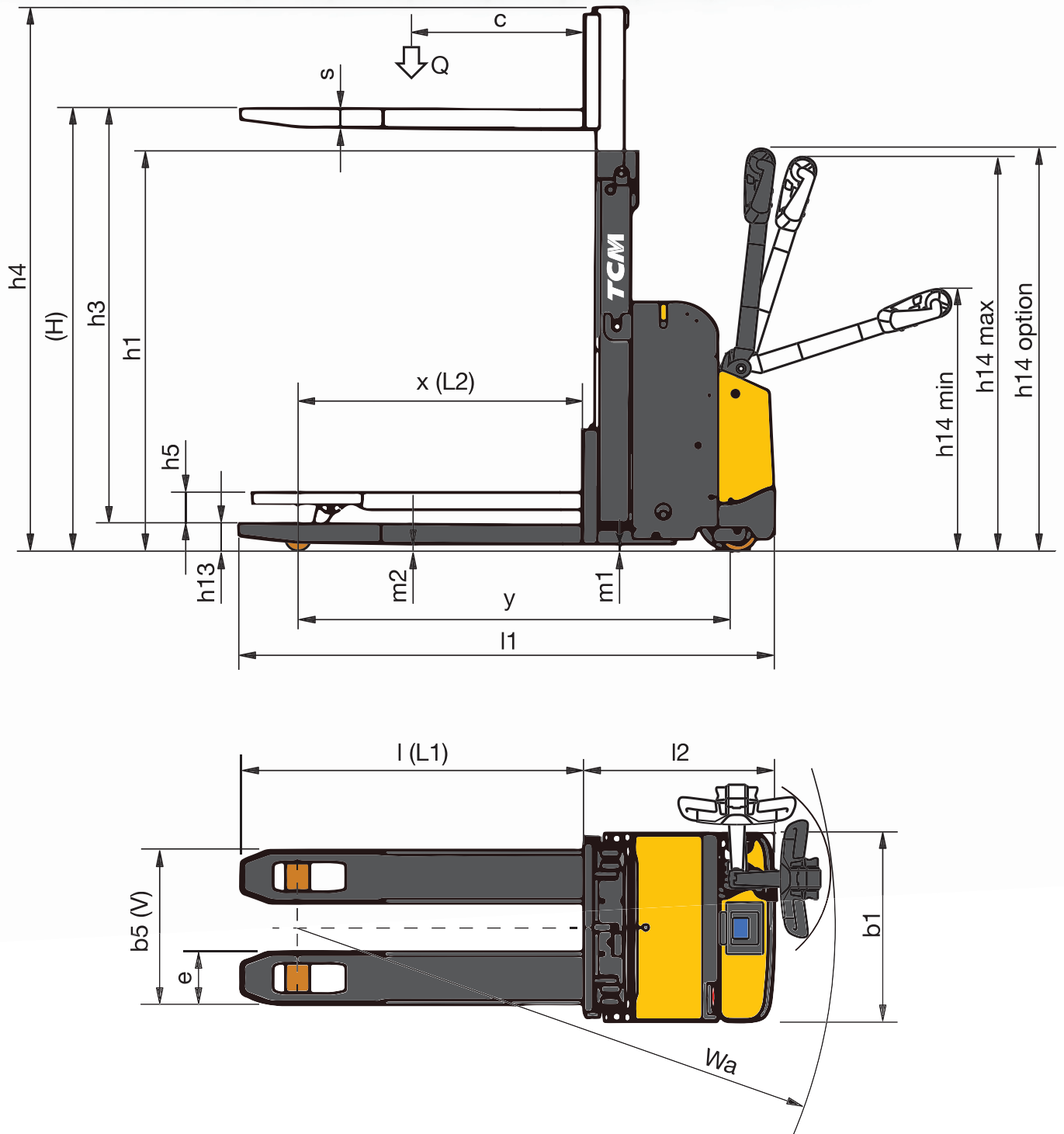
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SPD12-N2 & SPL12-N2

STANDARD SPECIFICATIONS PRELIMINARY

CHARACTERISTICS				Double stacker	Single stacker
1.1	Manufacturer			TCM	TCM
1.2	Manufacturer's model designation			SPD12-N2	SPL12-N2
1.3	Power source			Battery	Battery
1.4	Operator type			Pedestrian	Pedestrian
1.5	Load capacity	Q	(kg)	1 x 1250 or 2 x 800	1250
1.6	Load center distance	c	(mm)	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	990	950
1.9	Wheelbase	y	(mm)	1510	1473
WEIGHT					
2.1	Truck weight without load, with maximum battery weight		kg	800	775
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	990 / 1410	875 / 1150
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	590 / 210	575 / 200
WHEELS, DRIVE TRAIN					
3.1	Tyres			Vulkollan / Vulkollan	Vulkollan / Vulkollan
3.2	Tyre dimensions, drive side		(mm)	230 x 70	230 x 70
3.3	Tyre dimensions, load side		(mm)	85 x 99	85 x 99
3.4	Castor wheel dimensions (diameter x width)		(mm)	140 x 60	140 x 60
3.5	Number of wheels, load / drive side (x = driven)			1 x + 1 / 4	1 + 1x / 2
3.6	Track width (center of tyres), drive side	b10	(mm)	382	382
3.7	Track width (center of tyres), load side	b11	(mm)	355	355
DIMENSIONS					
4.2	Height with mast lowered	h1	(mm)	1400 / 1550	1400 / 1550
4.4	Lift height	h3	(mm)	1700 / 2000	1700 / 2000
4.5	Height with mast extended	h4	(mm)	2145 / 2445	2145 / 2445
4.6	Initial lift	h5	(mm)	120	-
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	913 / 1368	913 / 1368
4.15	Fork height, fully lowered	h13	(mm)	90	90
4.19	Overall length	l1	(mm)	1864	1877
4.2	Length to fork face	l2	(mm)	664	677
4.21	Overall width	b1/b2	(mm)	660	660
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	65 / 185 / 1200	65 / 185 / 1200
4.25	Outside width over forks (minimum / maximum)	b5	(mm)	540	540
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	25	25
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2532	2507
4.34b	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3	(mm)	2290	2285
4.35	Turning radius	Wa	(mm)	1880	1835
PERFORMANCE					
5.1	Travel speed, with / without load		km / h	5,6 / 6	5,7 / 6
5.2	Lifting speed, with / without load		m / s	0,10 / 0,20	0,10 / 0,20
5.3	Lowering speed, with / without load		m / s	0,12 / 0,12	0,11 / 0,12
5.7	Gradeability, with / without load		%	6 / 9	6 / 9
5.9	Acceleration time (10 metres) with / without load		s	7,94 / 6,76	7,60 / 6,76
5.1	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
ELECTRIC MOTOR					
6.1	Drive motor capacity (60 min. short duty)		kW	1,3	1,3
6.2	Lift motor output at 15% duty factor		kW	2,35	2,35
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah	24 / 150 - 230	24 / 150-230
6.5	Battery weight		kg	140 - 215	140 - 215
6.6a	Energy consumption according to EN16796		kWh / h		
6.6b	Energy consumption according to VDI 60 cycle		kWh / h		
MISCELLANEOUS					
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB (A)	74,6 +/- 0,7	74,6 +/- 0,7

DIMENSIONS
SPD12-N2 & SPL12-N2



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STANDARD AND OPTIONS LIST

	SPD12-N2 & SPL12-N2
GENERAL	
Micro-computer incl. Hour meter and battery indicator with cut out	●
PIN code access	●
Offset tiller arm	●
Proportional valve for lifting and lowering, controlled by fingertip lever on tiller head	●
Polyurethane drive wheel	●
Initial lift (SPD12-N2)	●
Single polyurethane load wheels	●
Li-ION batteries	●
ENVIRONMENT	
Chill store design, down to -10°C, with rust protected axles	●
Cold store design	●
DRIVE AND LIFT CONTROLS	
Tiller up drive	●
WHEEL OPTIONS	
Power friction traction wheel	●
Tandem polyurethane load wheels	●
Non-marking drive wheel	●
Anti-static drive wheel	●
OTHER OPTIONS	
Rubber foot protection	●
Anti-static ground strap	●
Key switch	●
Low noise warning buzzer instead of standard horn	●
Load backrest	●
Multi function display	●
Battery creep	●
Battery level audible warning	●
Service alarm	●
Automatic log off	●
Revert to low speed at log off	●

KEY ● Standard ● Option



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