

PRELIMINARY

TECHNICAL SPECIFICATIONS

LLR20-30-N2



LLR20-30-N2

STANDARD SPECIFICATIONS

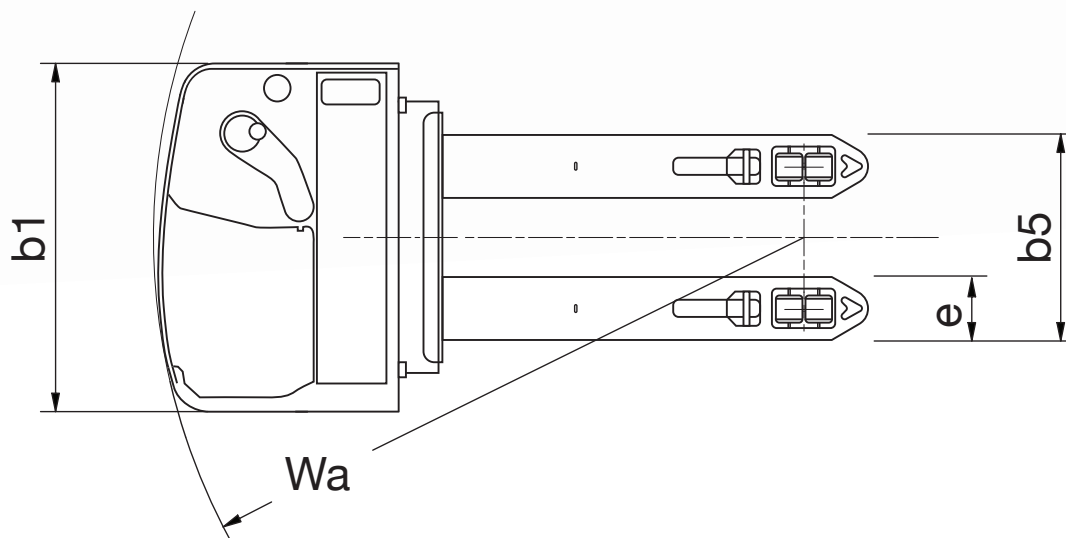
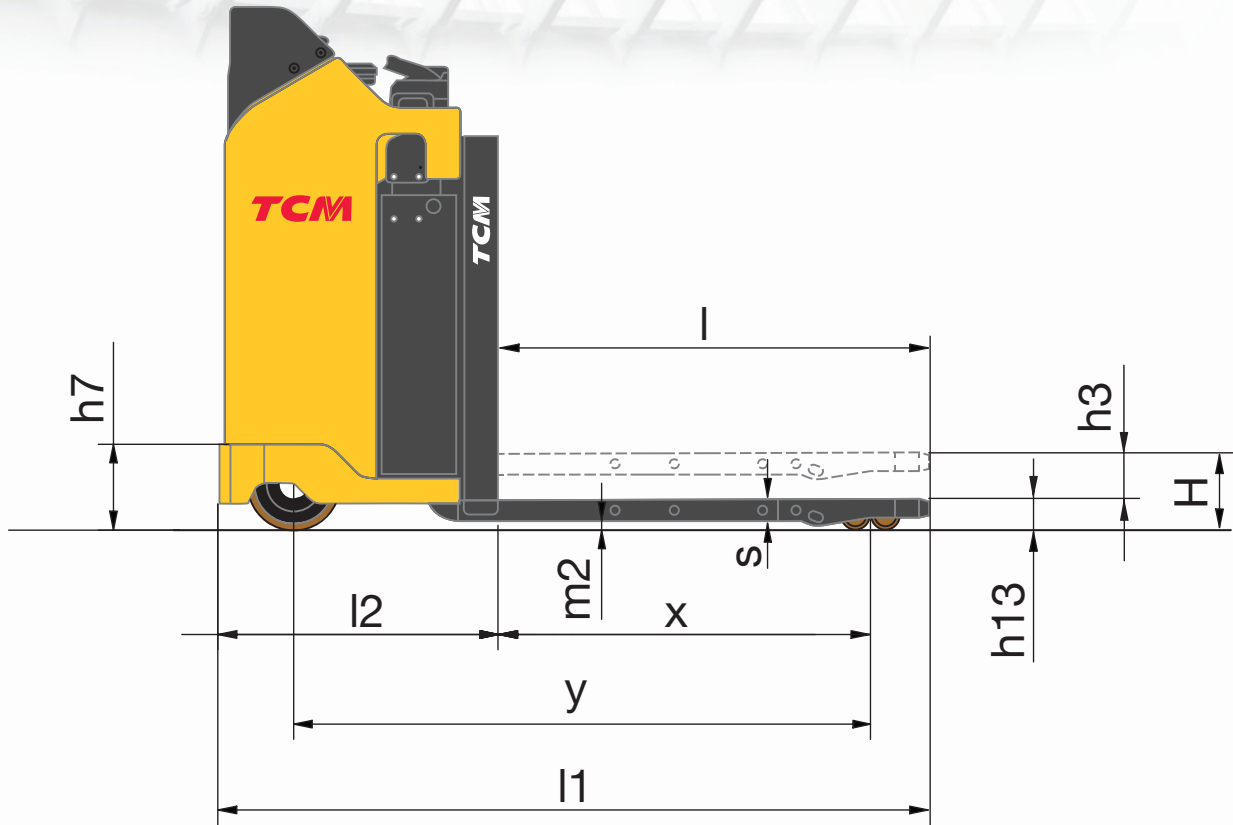
CHARACTERISTICS					
			TCM Forklifts		
			LLR20-N2	LLR30-N2	
1.1	Manufacturer (abbreviation)			Battery	Battery
1.2	Manufacturer's model designation			Stand-in	Stand-in
1.3	Power source:				
1.4	Operator type: pedestrian, (operator) - standing, - seated				
1.5	Load capacity	Q	(kg)	2000	3000
1.6	Load centre distance	c	(mm)	600	600
1.8	Load distance, axle to fork face	x	(mm)	975	975
1.9	Wheelbase	y	(mm)	1547	1547
WEIGHT					
2.1b	Truck weight, without load with maximum battery weight		kg	985	1095
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	1140 / 1845	1390 / 2705
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	770 / 215	825 / 270
WHEELS, DRIVE TRAIN					
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul	Vul / Vul
3.2	Tyre dimensions, drive side		(mm)	250 x 105	250 x 105
3.3	Tyre dimensions, load side	o	(mm)	85 / 70	85 / 70
3.4	Castor wheel dimensions (diameter x width)		(mm)	150 / 55	150 / 55
3.5	Number of wheels, load / drive side (x = driven)			1 x + 2 / 4	1 x + 2 / 4
3.6	Track width (centre of tyres), drive side	b10	(mm)	662	662
3.7	Track width (centre of tyres), load side	b11	(mm)	385	385
DIMENSIONS					
4.4	Lift height	h3	(mm)	135	135
4.8	Seat- or stand height	h7	(mm)	230	230
4.15	Fork height, fully lowered	h13	(mm)	88	88
4.19	Overall length	l1	(mm)	1923	1923
4.20	Length to fork face (includes fork thickness)	l2	(mm)	773	773
4.21	Overall width	b1 / b2	(mm)	940	940
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	60 x 175 x 1150	60 x 175 x 1150
4.25	Outside width over forks (minimum / maximum)	b5	(mm)	560	560
4.32	Ground clearance at centre of wheelbase, with load (forks lowered)	m2	(mm)	25	25
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	(mm)	2381*	2381*
4.33b	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise	Ast	(mm)	1997	1997
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2397**	2397**
4.34b	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2192	2192
4.35	Turning circle radius	Wa	(mm)	1705***	1705***
PERFORMANCE					
5.1	Travel speed, with / without load		km / h	10.0 / 10.0	9.0 / 9.0
5.2	Lifting speed, with / without load		m / s	0.07 / 0.09	0.15 / 0.32
5.3	Lowering speed, with / without load		m / s	0.12 / 0.09	0.10 / 0.07
5.7	Gradeability, with / without load		%	6.0 / 15	6.0 / 15
5.8	Maximum gradeability, with / without load		%	14 / 28.4	11 / 28.4
5.9	Acceleration time (10 metres), with / without load		s	7.0 / 6.0	7.5 / 6.0
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
ELECTRIC MOTOR					
6.1	Drive motor capacity (60 min. short duty)		kW	2.7	2.7
6.2	Lift motor output at 15% duty factor		kW	4.0	4.0
6.4	Battery voltage / capacity at 5 - hour discharge		V / Ah	24 / 375 - 775	24 / 375 - 775
6.5	Battery weight		kg	330 - 610	330 - 610
6.6	Energy consumption according to VDI 60 cycle		kWh / h	0.449	0.567
MISCELLANEOUS					
8.1	Type of drive control			AC	AC
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)	63,9	64,1
10.7.1	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB (A)	68,3 / 64,9 / 47,4	68,3 / 65,9 / 47,4

*2482 mm Senior Chassis

**2498 mm Senior Chassis

***1806 mm Senior Chassis

DIMENSIONS



LLR20-30-N2

STANDARD AND OPTIONS LIST

	LLR20-30-N2
GENERAL	
Junior chassis - 465Ah	●
Senior chassis - 775Ah	●
Standard display incl. Hour meter and battery indicator	●
Key switch entry	●
Electric power steering	●
Speed regulated lift motor and proportional valve for lowering	●
Tandem load wheels Vulkollan	●
Adjustable armrest	●
Adjustable steering wheel	●
Storage compartment under armrest	●
Writing desk with paper clip	●
Battery rollers	●
Chill store design, down to -10°C	●
POWER SOURCE	
Li-ION batteries	●
Lead acid batteries	●
ENVIRONMENT	
Cold store design, 0C° to -30C°	●
DRIVE AND LIFT CONTROLS	
Height adjustable steering wheel	●
Finger tip controls for lifting/lowering	●
WHEEL OPTIONS	
Vulkollan	●
Tractothan	●
Super grip	●
OTHER OPTIONS	
Forks Trailing Control	●
360 degree steering	●
Multifunction display incl. BDI & Hourmeter, PIN code login(100 codes) and graphic icon	●
Foldable seat	●
Load backrest	●
Key switch entry (in combination with Multi function display)	●
Overhead guard	●
Panoramic roof	●
12V DC Power Socket	●
5 V USB socket	●
Accessory rack	●
Writing desk incl. RAM C holder	●
Accessory rack holder RAM system size C	●
Accessory rack holder RAM system size C, 2 pcs	●
Accessory rack holder RAM size D	●
Working lights LED	●
Increased drive speed	●
Special RAL colour	●

KEY ● Standard ● Option



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