PRELIMINARY

TECHNICAL SPECIFICATIONS

FTB16-20-Q1

TCM LiTE Range, optimal specification for day to day operations, without compromising engineering excellence, long-term performance and outstanding reliability.

EASY TO USE, SIMPLE TO MAINTAIN.

TCM FTB16-20-Q1 with 1600 kg and 2000 kg load capacity and up to 6 metre lift height, delivers the optimum power and **3-wheel small turning circle for light to medium-duty tasks both indoor and outdoor,** ensuring effective performance without overspecification.

Intuitive, straightforward **mechanical control** reduces training time and boosts productivity from day one. **Comfort-focused seat** design minimises vibration, reducing operator fatigue and enhancing focus.

Superior shock absorption with front and rear **super elastic tyres** for smooth handling and extended tyre life, even on uneven surfaces.

Full road light kit (including hazard light button) meets visibility standards for safer operation indoors and outdoors. **Blue spot** projects a clear warning light to alert pedestrians, reducing collision risks in busy areas. High visibility **strobe light** in low-light conditions enhances safety across all environments.

Audible alerts from the **reverse warning buzzer** improve awareness and prevent accidents during reversing manoeuvres. **Parabolic mirror** with wider rear visibility eliminates blind spots for safer navigation.

Rapid opportunity-charging **Li-ion standard battery (no lead acid)** with zero maintenance, and no water filling, is always ready to keep your business moving.



FTB16-20-Q1

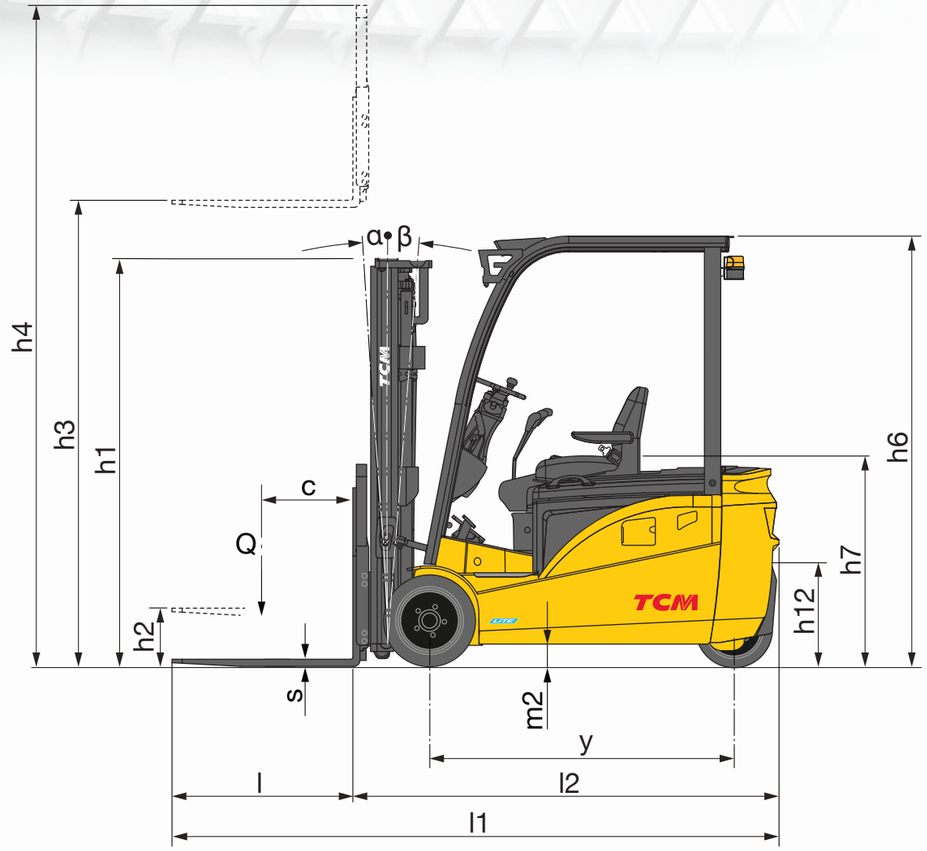
STANDARD SPECIFICATIONS

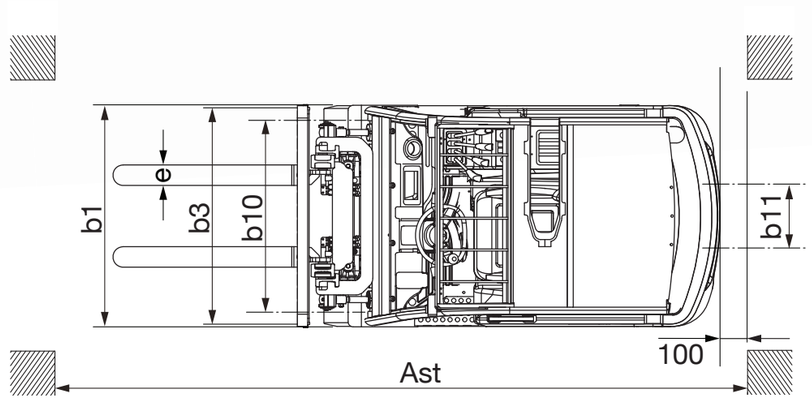
CHARACTERISTICS					
1.01	Manufacturer			TCM Forklifts	
1.02	Manufacturer's model designation			FTB16-Q1	FTB20-Q1
1.03	Power source: (battery, diesel, LPG, petrol)			Electric	Electric
1.04	Operator type: pedestrian, standing, seated			Seated	Seated
1.05	Load capacity	Q	(kg)	1600	2000
1.06	Load centre distance	c	(mm)	500	500
1.08	Load distance, axle to fork face	x	(mm)	372	377
1.09	Wheelbase	y	(mm)	1360	1490
WEIGHT					
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)		kg	3100	3520
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)		kg	4180/520	4910/610
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)		kg	1490/1610	1700/1820
WHEELS, DRIVE TRAIN					
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			Super Elastic	Super Elastic
3.02	Tyre dimensions, front			18 x 7-8	200/50-10
3.03	Tyre dimensions, rear			15 x 4.5 / -8	15 x 4.5 / -8
3.05	Number of wheels, front/rear (x=driven)			2x / 2	2x / 2
3.06	Track width (centre of tyres), front	b10	(mm)	902	902
3.07	Track width (centre of tyres), rear	b11	(mm)	187	187
DIMENSIONS					
4.01	Mast tilt, forwards/backwards	∂/ß	°	see table	see table
4.02	Height with mast lowered (see tables)	h1	(mm)	see table	see table
4.03	Free lift (see tables)	h2	(mm)	see table	see table
4.04	Lift height (see tables)	h3	(mm)	see table	see table
4.05	Overall height with mast raised	h4	(mm)	see table	see table
4.07	Height to top of overhead guard	h6	(mm)	2100	2100
4.08	Seat height	h7	(mm)	1005	1005
4.12	Tow coupling height	h10	(mm)	465	465
4.19	Overall length	l1	(mm)	2870	3155
4.20	Length to fork face (includes fork thickness)	l2	(mm)	1950	2085
4.21	Overall width	b1/b2	(mm)	1084	1084
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	35/100/920	40/100/1070
4.24	Fork carriage width	b3	(mm)	1040	1040
4.31	Ground clearance under mast, with load	m1	(mm)	105	105
4.32	Ground clearance at center of wheelbase, with load (forks lowered)	m2	(mm)	105	105
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast	(mm)	3268	3403
4.34b	Working aisle width with 800 x1200 mm pallets, lengthwise	Ast	(mm)	3393	3527
4.35	Turning circle radius	Wa	(mm)	1570	1700
PERFORMANCE					
5.01	Travel speed, with/without load		km/h	14/15	13/15
5.02	Lifting speed, with/without load		m/s	0.32/0.42	0.30/0.42
5.03	Lowering speed, with/without load		m/s	<600	<600
5.08	Maximum gradeability, with/without load		%	15/20	13/18
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic	Hydraulic
ELECTRIC MOTOR					
6.01	Drive motor capacity (60 min. short duty)		kW	4.5 x 2	4.5 x 2
6.02	Lift motor output at 15% duty factor		kW	8.6	8.6
6.03	Battery to DIN 43 531 / 35 / 36 A / B / C / no			Li-ion	Li-ion
6.04	Battery voltage		V/Ah	Li-ion 51.2 / 206 (277 option)	Li-ion 51.2 / 206 (277 option)
6.05	Battery weight (including container)		kg	Li-ion: 450	Li-ion: 450
MISCELLANEOUS					
8.01	Type of drive control			AC	AC
10.01	Maximum operating pressure for attachments		bar	17.5	17.5
10.02	Oil flow for attachments		l/min	36	36
10.07	Noise level, value at operator's ear (EN 12053)		dB(A)	73	73

OPTIONS
Integrated & external charger - for fast and flexible charging options
Higher travel and lift speed - for faster handling and shorter cycle times
Glass roof on standard overhead guard - to keep operator dry increasing safety from falling goods
Fingertip incl forward reverse - for effortless precision control
High end seat - Grammar MSG65 - for greater operator comfort and posture support
Front window with wiper - for visibility in light rain and dusty conditions
Cold storage modification - for greater efficiency in low temperature settings
Non-marking SE tyres - to keep floors clean and mark-free
Fork positioner including sideshift - for faster more accurate load placement

DIMENSIONS

FTB16-20-Q1





FTB16-20-Q1

MAST SPECIFICATIONS & RATED CAPACITIES

FTB16-Q1

MAST TYPE	Lift height (mm	Overall mast height (mm)		Freelift (mm)	Mast Tilt Forward/Backward (Degrees)	FTB16-Q1			
						Without sideshift		With sideshift	
		Lowered	Extended			Load capacity (kgs) @ load centre (mm) - Super elastic tyres			
	h3	h1	h4	h2	∂/ß	500	600	500	600
DUPLEX	3000	1995	3955	125	5/7	1600	1430	1450	1280
	3300	2145	4255	125	5/7	1600	1430	1450	1280
	4000	2545	4955	125	3/5	1500	1340	1350	1190
TRIPLEX	4350	2065	5305	1110	3/5	1450	1300	1300	1150
	4500	2115	5455	1160	3/5	1400	1250	1250	1100
	4799	2155	5755	1200	3/5	1300	1160	1150	1010
	5000	2315	5955	1360	3/5	1200	1070	1050	920
	5500	2465	6455	1510	3/5	1100	980	950	830
	6000	2665	6955	1710	3/5	800	710	650	560

FTB20-Q1

MAST TYPE	Lift height (mm	Overall mast height (mm)		Freelift (mm)	Mast Tilt Forward/Backward (Degrees)	FTB20-Q1			
						Without sideshift		With sideshift	
		Lowered	Extended			Load capacity (kgs) @ load centre (mm) - Super elastic tyres			
	h3	h1	h4	h2	∂/ß	500	600	500	600
DUPLEX	3000	1995	3955	125	5/7	2000	1790	1850	1640
	3300	2145	4255	125	5/7	2000	1790	1850	1640
	4000	2545	4955	125	3/5	2000	1790	1850	1640
TRIPLEX	4350	2065	5305	1110	3/5	1850	1660	1700	1510
	4500	2115	5455	1160	3/5	1800	1610	1650	1460
	4799	2155	5755	1200	3/5	1600	1430	1450	1280
	5000	2315	5955	1360	3/5	1500	1340	1350	1190
	5500	2465	6455	1510	3/5	1300	1160	1150	1010
	6000	2665	6955	1710	3/5	1000	890	850	740





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