PRELIMINARY

TECHNICAL SPECIFICATIONS

FB25-35(L)-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 FB25-35(L)-Q1 with 2500 kg, 3000 kg and 3500 kg load capacity and up to 6 metre lift height, delivers the optimum power and stability **for heavier-duty applications both indoor and outdoor,** delivering strength and reliability where it matters most.

User-friendly operation with simple, intuitive controls for confident handling and reduced operator strain. **Suspended KL01 seat** enhances comfort and reduces vibration for fatigue-free shifts. **PVC roof on standard overhead guard** adds protection against weather and falling objects for improved operator safety.

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

Maintenance-free **Li-ion standard battery (no lead acid)** ensures consistent uptime and lower total cost of ownership.

Full road light kit (including hazard light button) meets visibility standards for safer operation indoors and outdoors. 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.



FB25-35(L)-Q1

STANDARD SPECIFICATIONS

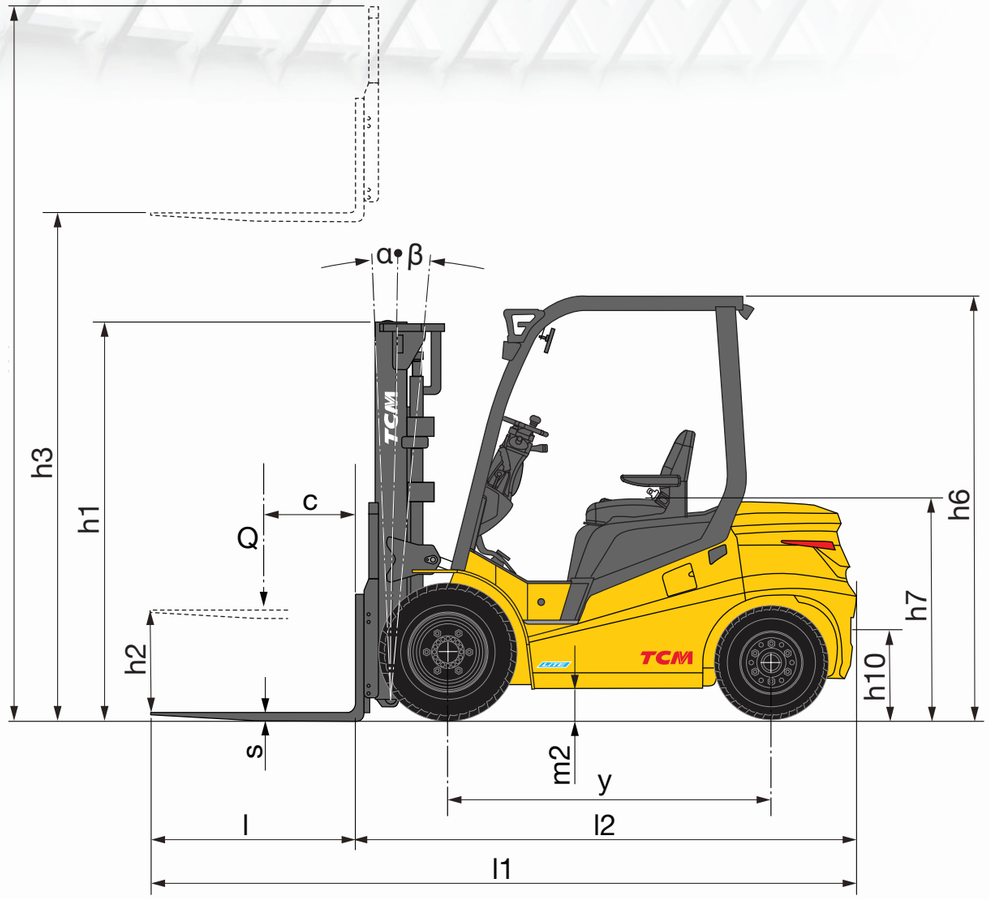
CHARACTERISTICS							
1.01	Manufacturer			TCM Forklifts			
1.02	Manufacturer's model designation			FB25-Q1	FB30-Q1	FB35-Q1	FB35L-Q1
1.03	Power source: (battery, diesel, LPG, petrol)			Electric	Electric	Electric	Electric
1.04	Operator type: pedestrian, standing, seated			Seated	Seated	Seated	Seated
1.05	Load capacity	Q	(kg)	2500	3000	3500	3500
1.06	Load centre distance	c	(mm)	500	500	500	600
1.08	Load distance, axle to fork face	x	(mm)	473	478	483	483
1.09	Wheelbase	y	(mm)	1630	1700	1760	1760
WEIGHT							
2.01	Truck weight, without load / including battery (simplex mast, lowest lift height)		kg	3800	4280	4660	4890
2.02	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)		kg	5660/640	6530/750	7240/920	7810/880
2.03	Axle loading without load, front/rear (simplex mast, lowest lift height)		kg	1620/2180	2060/2220	2040/2620	1880/3010
WHEELS, DRIVE TRAIN							
3.01	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			Super Elastic	Super Elastic	Super Elastic	Super Elastic
3.02	Tyre dimensions, front			7.00-12-12PR	28×9-15-14PR	28×9-15-14PR	28×9-15-14PR
3.03	Tyre dimensions, rear			18×7-8-14PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
3.05	Number of wheels, front/rear (x=driven)			2x / 2	2x / 2	2x / 2	2x / 2
3.06	Track width (centre of tyres), front	b10	(mm)	973	1004	1004	1004
3.07	Track width (centre of tyres), rear	b11	(mm)	960	982	982	982
DIMENSIONS							
4.01	Mast tilt, forwards/backwards	∂/ß	°	6/10	6/10	6/10	6/10
4.02	Height with mast lowered (see tables)	h1	(mm)	2070	2070	2185	2185
4.03	Free lift (see tables)	h2	(mm)	135	140	145	145
4.04	Lift height (see tables)	h3	(mm)	3000	3000	3000	3000
4.05	Overall height with mast raised	h4	(mm)	3974	4079	4079	4079
4.07	Height to top of overhead guard	h6	(mm)	2200	2200	2200	2200
4.08	Seat height	h7	(mm)	1090	1130	1130	1130
4.12	Tow coupling height	h10	(mm)	470	580	580	580
4.19	Overall length	l1	(mm)	3540	3688	3818	3818
4.20	Length to fork face (includes fork thickness)	l2	(mm)	2470	2618	2748	2748
4.21	Overall width	b1/b2	(mm)	1150	1230	1230	1230
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	40/122/1070	45/125/1070	50/125/1070	50/125/1070
4.23	Fork carriage iso 2328/30, FEM/A,B						
4.24	Fork carriage width	b3	(mm)	1040	1100	1100	1100
4.31	Ground clearance under mast, with load	m1	(mm)	135	140	145	145
4,32	Ground clearance at center of wheelbase, with load (forks lowered)	m2	(mm)	150	150	150	150
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast	(mm)	3903	4039	4153	4153
4.34a	Working aisle width with 800 x1200 mm pallets, crosswise	Ast	(mm)				
4.34b	Working aisle width with 800 x1200 mm pallets, lengthwise	Ast	(mm)	4103	4238	4353	4353
4.35	Turning circle radius	Wa	(mm)	2230	2360	2470	2470
4.36	Minimum distance between centres of rotation	b13	(mm)				
PERFORMANCE							
5.01	Travel speed, with/without load		km/h	14/15	14/15	14/15	13/14
5.02	Lifting speed, with/without load		m/s	0.3/0.4	0.3/0.4	0.3/0.4	0.28/0.38
5.03	Lowering speed, with/without load		m/s	< 0.6	< 0.6	< 0.6	< 0.6
5.05	Rated drawbar pull, with/without load		N				
5.06	Rated drawbar pull, with/without load (5 min short duty)		N				
5.07	Gradeability, with/without load		%				
5.08	Maximum gradeability, with/without load		%	15/15	15/15	15/15	15/15
5.09	Acceleration time (10 metres) with / without load		s				
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic	Hydraulic	Hydraulic	Hydraulic
ELECTRIC MOTOR							
6.01	Drive motor capacity (60 min. short duty)		kW	16	16	16	16
6.02	Lift motor output at 15% duty factor		kW	16	16	16	16
6.03	Battery to DIN 43 531 / 35 / 36 A / B / C / no			Li-ion	Li-ion	Li-ion	Li-ion
6.04	Battery voltage		V/Ah	76.8 / 206 (277 optional)	76.8 / 206 (277 optional)	76.8 / 277 (412 optional)	76.8 / 277 (412 optional)
6.05	Battery weight (including container)		kg	200/240	200/240	200/240	200/240
6.6a	Energy consumption according to DIN EN 16796		kW/h	6.43	7.01	7.78	7.78
6.6b	Energy consumption acc. to VDI cycle[1]		kW/h				
MISCELLANEOUS							
8.01	Type of drive control			AC	AC		
10.01	Maximum operating pressure for attachments		bar	17.5	17.5	17.5	17.5
10.02	Oil flow for attachments		l/min	36	36	36	36
10.07	Noise level, value at operator's ear (EN 12053)		dB(A)	74	74	74	74
10.08	Towing coupling, type DIN 1517						

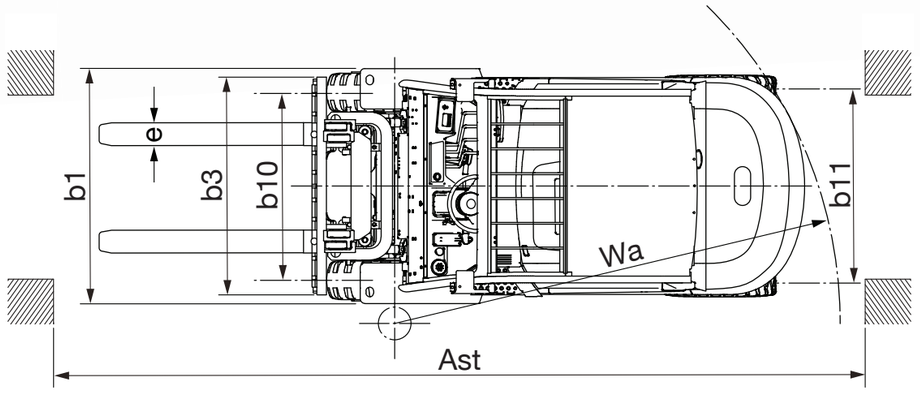
1. Cycles performed / cycles requested

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

FB25-35(L)-Q1





FB25-35(L)-Q1

MAST SPECIFICATIONS & RATED CAPACITIES

FB25-Q1

MAST TYPE	Lift height (mm	Overall mast height (mm)		Freelift (mm)	Mast Tilt Forward/Backward (Degrees)	FB25-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	2070	3974	135	6/10	2500	2260	2350	2110
	3300	2205	4274	130	6/10	2500	2260	2350	2110
	4000	2605	4974	130	6/6	2450	2220	2300	2070
TRIPLEX	4000	1980	4976	1056	6/6	2350	2120	2200	1970
	4350	2105	5326	1181	6/6	2200	1990	2050	1840
	4500	2155	5476	1231	6/6	2000	1810	1850	1660
	4800	2255	5776	1331	6/6	1900	1720	1750	1570
	5000	2398	5976	1474	6/6	1700	1540	1550	1390
	5500	2647	6476	1708	3/6	1400	1260	1250	1110
	6000	2865	6976	1941	3/6	950	860	800	710

FB30-Q1

MAST TYPE	Lift height (mm	Overall mast height (mm)		Freelift (mm)	Mast Tilt Forward/Backward (Degrees)	FB30-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	2070	4079	140	6/10	3000	2720	2800	2520
	3300	2225	4379	140	6/10	3000	2720	2800	2520
	4000	2625	5079	140	6/6	2950	2670	2750	2470
TRIPLEX	4000	2000	5079	921	6/6	2900	2630	2700	2430
	4350	2125	5429	1046	6/6	2700	2450	2500	2250
	4500	2175	5579	1096	6/6	2600	2350	2400	2150
	4800	2275	5879	1196	6/6	2400	2170	2200	1970
	5000	2418	6079	1339	6/6	2300	2080	2100	1880
	5500	2652	6579	1573	3/6	1800	1630	1600	1430
	6000	2885	7079	1806	3/6	1400	1270	1200	1070

Duplex full free lift height (without load backrest) +400mm Triplex full free lift height (without load backrest) +320mm

FB35-Q1

MAST TYPE	Lift height (mm	Overall mast height (mm)		Freelift (mm)	Mast Tilt Forward/Backward (Degrees)	FB35-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	2185	4079	145	6/10	3500	3170	3300	2970
	3300	2335	4379	145	6/10	3500	3170	3300	2970
	4000	2735	5079	145	6/6	3300	2990	3100	2790
TRIPLEX	4000	2000	5079	921	6/6	3250	2940	3050	2740
	4350	2125	5429	1046	6/6	3150	2950	2950	2750
	4500	2175	5579	1096	6/6	3000	2720	2800	2520
	4800	2275	5879	1196	6/6	2800	2540	2600	2340
	5000	2418	6079	1339	6/6	2650	2400	2450	2200
	5500	2652	6579	1573	3/6	2200	1990	2000	1790
	6000	2885	7079	1806	3/6	1500	1360	1300	1160

Duplex full free lift height (without load backrest) +400mm Triplex full free lift height (without load backrest) +320mm

FB35L-Q1

MAST TYPE	Lift height (mm	Overall mast height (mm)		Freelift (mm)	Mast Tilt Forward/Backward (Degrees)	FB35L-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	2185	4070	145	6/10	3800	3500	3600	3300
	3300	2335	4379	145	6/10	3800	3500	3600	3300
	4000	2735	5079	145	6/6	3650	3300	3450	3100
TRIPLEX	4000	2100	5079	1021	6/6	3650	3250	3450	3050
	4350	2225	5379	1146	6/6	3550	3150	3350	2950
	4500	2275	5579	1196	6/6	3350	3000	3150	2800
	4800	2375	5879	1296	6/6	3100	2800	2900	2600
	5000	2518	6079	1439	6/6	3000	2650	2800	2450
	5500	2752	6579	1673	3/6	2500	2200	2300	2000
	6000	2985	7079	1906	3/6	1900	1500	1700	1300

Duplex full free lift height (without load backrest) +300mm Triplex full free lift height (without load backrest) +238mm

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