



# TCM

*ELECTRIC SIT-DOWN COUNTERBALANCED TRUCKS*

# TCM PRO

**3,000 - 6,000 lbs.**

*Class 1 - Cushion Tire Type*



### **Powerful.**

100% AC power gives higher travel and lifting speeds as well as superior starting, creeping, and grade climbing. The main four controller settings can be adjusted: travel and lifting speeds, attachment speed, and 3 shift modes of power output.

### **Productivity.**

The AC motors replenish the battery during braking or whenever travel direction is reversed. These trucks deliver longer run time on a single charge for improved productivity.

### **Reliable and Low Maintenance.**

The AC motors have no brushes to wear out, and the solid state controller delivers maximum reliability. A high controller or motor temperature automatically limits travel passing current, and over discharge prevention protects the battery life. Standard on-board diagnostics make jobsite troubleshooting easy and fast.

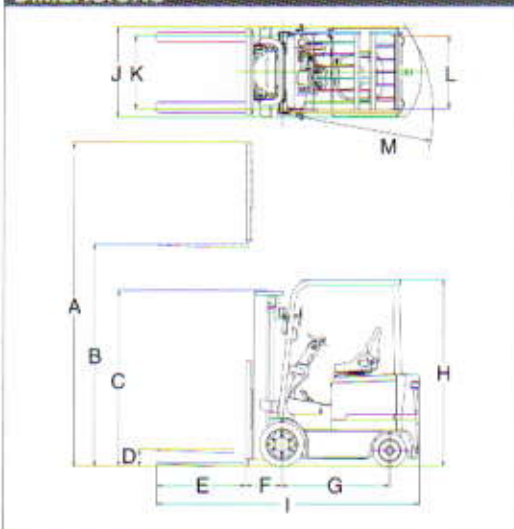
### **Comfort and Safety.**

Operator comfort and safety features include approx. 20% more floor space (4,000 - 6,000 lbs. models), a wide view mast designed for maximum visibility, smooth controls for precision operation, a standard adjustable suspension seat, an overhead guard designed for easy entry, and a comprehensive integrated safety interlock system for maximum safety.

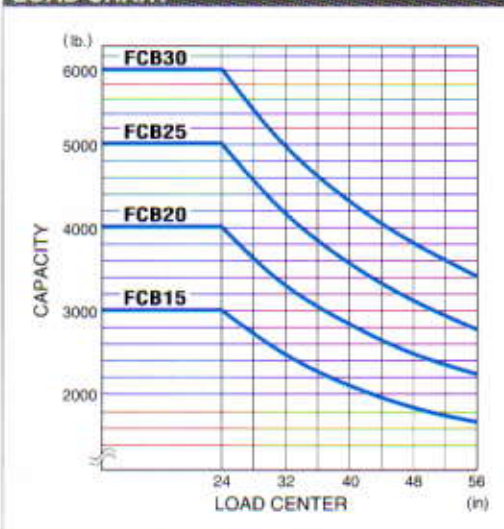
# STANDARD SPECIFICATIONS

Model				FCB15-7	FCB20-7	FCB25-7	FCB25-7S	FCB30-7	
Performance	Max. Load Capacity	lbs		3000	4000	5000	5000	6000	
	Load Center	in		24	24	24	24	24	
	Max. Fork Height	in	B	130.0	130.0	130.0	130.0	126.0	
	Free Lift	in	D	4.1	4.3	4.3	4.3	4.5	
	Speed Lifting	: with Load (36/48V)	fpm		59/89	57/79	53/75	53/75	47/61
		: without Load (36/48V)	fpm		106/136	106/126	106/126	106/126	98/122
	Speed Lowering	: with Load	fpm		89	89	89	89	89
		: without Load	fpm		108	108	108	108	98
	Mast Tilt Angle	: Forward / Backward	deg		5/8	5/8	5/8	5/8	5/8
	Travel Speed	: with Load (36/48V)	mph		9.0/10.6	8.7/10.2	8.4/9.9	8.4/9.9	8.1/9.3
: without Load (36/48V)		mph		9.6/11.2	9.0/10.9	9.0/10.9	9.0/10.9	8.7/10.6	
Max. Drawbar Pull	: Momentary (36/48V)	lbs		2000/2300	2900/3650	2850/3600	2850/3600	2750/3450	
	: Continuous (36/48V)	lbs		550/800	850/1300	850/1300	850/1300	850/1250	
Max. Gradeability	: with Load (36/48V)	%		16.7/20	16.7/20	14.3/16.7	14.3/16.7	12.5/16.7	
	: without Load (36/48V)	%		20/20	20/20	20/20	20/20	20/20	
Min. Turning Radius(Outside)		in	M	66.1	70.5	70.5	70.5	76.0	
Dimensions & Weight	Overall Length	: with Forks	in	I	118.3	124.2	124.2	128.9	129.9
		: without Forks	in		76.2	82.1	82.1	86.8	87.8
	Overall Width		in	J	37.8	41.7	41.7	41.7	43.5
		: Mast	in	C	83.1	83.1	83.1	83.1	83.1
	Overall Height	: Head Guard	in	H	88.0	88.0	88.0	88.0	88.0
		: Max. Height Fork Raised	in	A	179.1	179.1	179.1	179.1	175.6
	Ground Clearance at Frame		in		3.2	3.3	3.3	3.3	
	Fork Size	: L×W×T	in	E	42.1×3.9×1.4	42.1×4.8×1.6	42.1×4.8×1.6	42.1×4.8×1.6	42.1×4.9×1.8
	Wheelbase		in	G	47.8	51.0	51.0	55.1	55.1
	Tread	: Front	in	K	31.5	34.5	34.5	34.5	35.4
: Rear		in	L	31.5	33.7	33.7	33.7	33.7	
Fork Overhang (Centerline of Front Axle to Front Face of Forks)		in	F	15.5	17.3	17.3	17.3	17.9	
Power-Train	Total Weight	: without Battery	lbs		4790	6490	7110	6700	7700
		: 36Volts/Ampere hrs. (6hr)	Ah		880	1210	1210	1430	1430
	Battery(Optional)	: 48Volts/Ampere hrs. (6hr)	Ah		770	880	880	1100	1100
		Battery Weight	: Min.-Max.	lbs		1900-2400	2500-3100	2500-3100	2900-3550
	Electric Motors (36/48V)	: Drive Motor, 60 min. rate	kW		7.3/10.2	9.6/13.2	9.6/13.2	9.6/13.2	9.6/13.2
		: Hydraulic Motor, 5 min. rate	kW		8.4/11.7	11.2/14.3	11.2/14.3	11.2/14.3	11.2/14.3
	Travel & Lift Speed Control	: Drive					MOS-FET Inverter		
		: Load Handling					MOS-FET Inverter		
	Tire & Brakes	Number(X=Driven)	: Front/Rear			2X / 2	2X / 2	2X / 2	2X / 2
		Tire Type				Cushion	Cushion	Cushion	Cushion
Size		: Front			21×6×15	21×7×15	21×7×15	21×7×15	21×8×15
		: Rear			14×4.5×8	16×6×10.5	16×6×10.5	16×6×10.5	16×6×10.5
Brake		: Service				Hydraulic Type - Foot Pedal			
	: Parking				Mechanical Type - Hand Lever				
Operating Pressure	: for Attachment	MPa		13.7	17.2	17.2	17.2	17.2	

## DIMENSIONS



## LOAD CHART



- TCM retains the right to change these products and specifications without incurring any obligation relating to such changes.
- These products and specifications are subject to change without notice.
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- Features and specifications may vary depending on markets.

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