

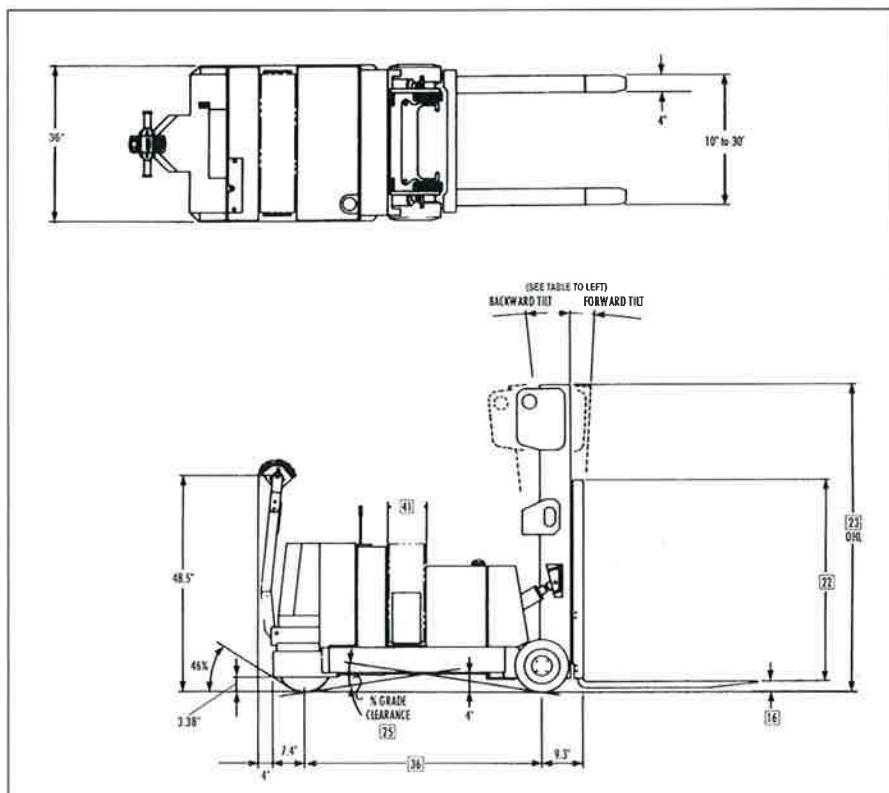
## Counterbalance Walkie Stackers



TCM counterbalanced walkie stackers give lifting power to operations transferring freight in break-bulk situations or unloading palletized commodities from trailers into receiving dock holding areas.

- 3,000 lb./4,000 lb. load capacities
- 12 V DC power standard, 24 V DC optional
- 7" diameter brake drum for positive response
- Fork heights up to 216"

## Dimensions



## Aisle Specifications

### Right Angle Stacking Aisle Requirements\*

#### CB30

Load Width	Load Length					
	30"	32"	36"	40"	42"	48"
30"	103.2	105.0	108.8	112.6	114.5	120.3
32"	103.5	105.4	109.1	112.9	114.8	120.6
36"	104.3	106.1	109.8	113.6	115.5	121.1
40"	105.2	107.0	110.6	114.3	116.1	121.8
42"	105.6	107.4	111.0	114.7	116.5	122.1
48"	107.1	108.9	112.4	115.9	117.7	123.2

### 90° Intersecting Aisle Requirements\*

#### CB30

Load Width	Load Length					
	30"	32"	36"	40"	42"	48"
30"	58.1	58.5	59.4	60.5	61.1	63.0
32"	58.4	58.9	59.8	60.9	61.5	63.4
36"	59.2	59.7	60.6	61.7	62.3	64.2
40"	61.4	61.9	62.9	64.0	64.6	66.5
42"	62.6	63.0	64.0	65.1	65.7	67.7
48"	66.0	66.4	67.5	68.6	69.7	71.3

## Mast Specifications & Rated Capacities

### CB30 / CB40

Mast Type	Maximum Fork Height	Overall Height Lowered	Free Lift*	Rated Capacity at 24" Load Center	
				WCN-30	WCN-40
TWO STAGE (Lo Free Lift)	105.5 (2680)	72 (1829)	5.5 (140)	3000 (1361)	4000 (1814)
	115.5 (2934)	77 (1956)	5.5 (140)	3000 (1361)	4000 (1814)
	127.5 (3239)	83 (2108)	5.5 (140)	3000 (1361)	4000 (1814)
	139.5 (3543)	89 (2261)	5.5 (140)	3000 (1361)	4000 (1814)
	151.5 (3848)	95 (2413)	5.5 (140)	3000 (1361)	3950 (1792)
TWO STAGE (High Free Lift)	105.5 (2680)	72 (1829)	51 (1295)	3000 (1361)	4000 (1814)
	115.5 (2934)	77 (1956)	56 (1422)	3000 (1361)	4000 (1814)
	127.5 (3239)	83 (2108)	62 (1575)	3000 (1361)	4000 (1814)
	139.5 (3543)	89 (2261)	68 (1727)	3000 (1361)	4000 (1814)
	151.5 (3848)	95 (2413)	74 (1880)	3000 (1361)	3950 (1792)
THREE STAGE	155.5 (3950)	72 (1829)	51 (1295)	3000 (1361)	4000 (1814)
	170 (4318)	77 (1956)	56 (1422)	2700 (1225)	3750 (1701)
	188 (4775)	83 (2108)	62 (1575)	2475 (1123)	3450 (1565)
	202 (5131)	89 (2261)	68 (1727)	2325 (1055)	3275 (1486)
	216 (5486)	95 (2413)	74 (1880)	2175 (987)	2950 (1338)

\*Free lift fork height does not include backrest extension.

### Mast Tilt

Lift Height	Forward	Back
Up to 130"	3°	6°
131" to 160"	2°	4°
Over 160"	1°	5°

## Main Truck Specifications

			TCM		TCM		
			CB30	CB40	CB30	CB40	
CHARACTERISTICS	1	Manufacturer's Name					1
	2	Model	Model designation				2
	3	Load Capacity	Rated capacity	lb (kg)	3000 (1500)	4000 (2000)	3
	4	Load Center	Distance	in (mm)	24 (600)	24 (600)	4
	5	Power Type	Electric	volt	12   24	12   24	5
	6	Operator Type			Walkie Counterbalanced	Walkie Counterbalanced	6
	7	Tire Type	Front and rear		Poly / Poly	Poly / Poly	7
	8	Wheels	Number (x=driven) - front/rear		2 / 1x	2 / 1x	8
DIMENSIONS	9	Mast	Max. fork height (MFH)	in (mm)	105.5 (2680)	105.5 (2680)	9
	10		Freelift (FL)	in (mm)	51 (1295)	51 (1295)	10
	12	Forks	Thickness x width	in (mm)	1.6 x 4.2 (40 x 106)	1.6 x 4.2 (40 x 106)	12
	13		Length	in (mm)	42.1 (1070)	42.1 (1070)	13
	14		Min. spread (o.d.)	in (mm)	10 (254)	10 (254)	14
	15		Max. spread (o.d.)	in (mm)	30 (762)	30 (762)	15
	16		Fork lowered height	in (mm)	2.0 (51)	2.0 (51)	16
	19	Overall Dimensions	Length (to face of forks)	in (mm)	70.5 (1790)	77.7 (1974)	19
	20		Length (to end of forks)	in (mm)	112.2 (2858)	119.7 (3040)	20
	22		Height - top of standard LBR	in (mm)	48 (1219)	48 (1219)	22
	23		Mast lowered (OHL)	in (mm)	72 (1829)	71 (1803)	23
	24		Mast extended with LBR	in (mm)	153.5 (3899)	153.5 (3899)	24
	25	Grade Clearance	8.25" and 13.5" battery compartments	%	15%	13%	25
	26	Turning Radius	Minimum outside	in (mm)	61.13 (1553)	68.38 (1737)	26
	27	Min. Right Angle Stack	48" L x 40" W pallet (add clearance)	in (mm)	121.8 (3094)	129.0 (3277)	27
	28	Truck Weight	103.5" Mast, empty, no battery	lb (kg)	5027 (2282)	5099 (2315)	28
	PERFORMANCE	29	Speeds	Travel - full load	mph (kph)	2.1 (3.4)   2.1 (3.4)	2.0 (3.2)   2.0 (3.2)
30		Travel - no load		mph (kph)	2.4 (3.9)   2.5 (4.0)	2.3 (3.7)   2.5 (4.0)	30
31		Lift - full		fpm (mm/sec)	16 (81)   31 (157)	12 (61)   30 (152)	31
32		Lift - empty		fpm (mm/sec)	24 (122)   42 (213)	25 (127)   43 (218)	32
33		Lower - full		fpm (mm/sec)	47 (239)   47 (239)	54 (274)   54 (274)	33
34		Lower - empty		fpm (mm/sec)	26 (132)   26 (132)	31 (157)   31 (157)	34
35		Overall Width		Width	in (mm)	36 (915)	36 (915)
CHASSIS & WHEELS	36	Wheelbase	Distance between axles on centers	in (mm)	53.75 (1365)	61.0 (1550)	36
	37	Tire Size	Drive tire	in (mm)	12 x 4.5 (305 x 114)	12 x 4.5 (305 x 114)	37
	38		Load wheels	in (mm)	12 x 4.5 (305 x 114)	12 x 4.5 (305 x 114)	38
	39	Service Brake	Type		Drum and Shoe	Drum and Shoe	39
BATTERY	40	Type			Lead Acid	Lead Acid	40
	41	Compartment Size	Width x Height	in (mm)	32 x 31 (813 x 788)	32 x 31 (813 x 788)	41
	42	Amp Hr Capacity	Length	in (mm)	8.25 (210)   13.5 (343)	8.25 (210)   13.5 (343)	42
	43		Min / Max (6-hr)	Ah	375 / 750   450 / 750	375 / 750   450 / 750	43
	44	Weight	Min / Max	lb (kg)	410 / 725 (185 / 330)	410 / 725 (185 / 330)	44
	45	Lead Length	Position "B"	in (mm)	20 (508)	20 (508)	45
	45	Connector	type		SB-175 Grey	SB-175 Grey	45

NOTE: 12-Volt models are standard. 24-Volt model specifications based on larger 32" x 13.5" x 31"H battery compartment size.

## Aisle Specifications

### Right Angle Stacking Aisle Requirements\*

CB40

Load Width	Load Length					
	30"	32"	36"	40"	42"	48"
30"	110.4	112.3	116.1	119.9	121.8	127.6
32"	108.0	112.6	116.4	120.2	122.1	127.8
36"	111.6	113.4	117.1	120.8	122.7	128.4
40"	112.4	114.2	117.9	121.5	123.4	129.0
42"	112.9	114.7	118.3	121.9	123.8	129.4
48"	114.4	116.1	119.6	123.2	125.0	130.5

\*Based on 4" clearance between pallets.

### 90° Intersecting Aisle Requirements\*

CB40

Load Width	Load Length					
	30"	32"	36"	40"	42"	48"
30"	61.5	61.8	62.7	63.6	64.1	65.7
32"	61.8	62.2	63.0	64.0	64.5	66.1
36"	62.6	63.0	63.8	64.8	65.3	66.9
40"	64.8	65.2	66.0	67.0	67.5	69.2
42"	65.9	66.3	67.1	68.1	68.6	70.3
48"	69.3	69.7	70.5	71.5	72.0	73.8

\* Aisle dimensions are minimum. TCM recommends 6"-10" additional clearance for ease of operation. Dimensions for both 8.25" and 13.5" wide battery compartments. Add 2" for side shifter.



For information, contact your nearest TCM Dealer.  
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