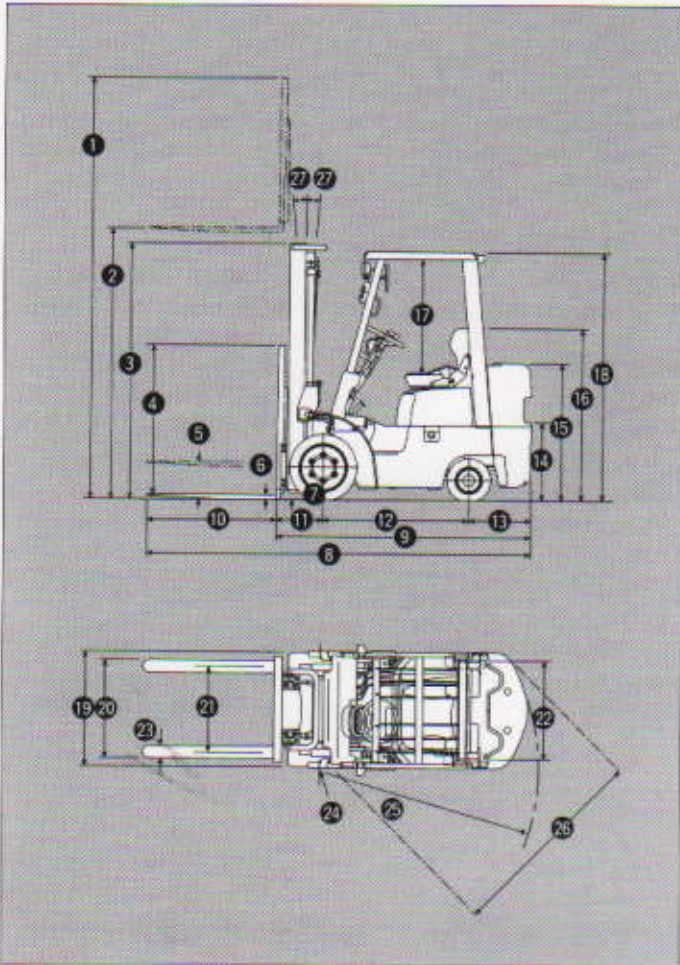


STANDARD SPECIFICATIONS

CHARACTERISTICS				TCM			
1	Manufacturer			FCG36-8			
2	Model			FCG36-8			
3	Load Capacity	lbs (kg)		8000 (3600)			
4	Load Center	in (mm)		24 (600)			
5	Power Type			Gasoline			
6	Control Type			Sit down rider type			
7	Tire Type	Front / Rear		Cushion tires			
8	Wheels (x = driven)	Front / Rear		2x / 2			
DIMENSIONS		9	Max. Fork Height	in (mm)	126.0 (3200)		
		10	Free Lift	in (mm)	11.8 (300)		
		13	Fork Size	L x W x T	in (mm)	42.1 x 5.9 x 2.0 (1070 x 150 x 50)	
		14	Tilt Angle	Fwd / Bwd	deg.	6 / 7	
		15	Overall Length (Without Forks)		in (mm)	98.3 (2495)	
		16	Overall Width		in (mm)	47.3 (1200)	
		17	Mast Height Fork Lowered		in (mm)	83.1 (2110)	
		18	Overall Height Fork Raised		in (mm)	175.6 (4460)	
		19	Overhead Guard Height		in (mm)	80.9 (2055)	
		21	Turning Radius (Outside)		in (mm)	87.6 (2225)	
22	Fork Overhang (Centerline of front axle to front face of forks)		in (mm)	16.7 (425)			
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		in (mm)	104.3 (2650)			
PERFORMANCE		24	Travel Max. (Fwd / Rvs.)	With Load	mph (km / h)	8.2 (13.1)	
		Without Load		mph (km / h)	8.7 (14.0)		
		25	Lifting	With Load	fph (mm / s)	80.3 (410)	
		Without Load		fph (mm / s)	82.7 (420)		
		26	Lowering	With Load	fph (mm / s)	78.8 (400)	
		Without Load		fph (mm / s)	82.7 (420)		
28	Max. Drawbar Pull	Without Load	lbf (kN)	2650 (11.7)			
29	Gradeability at 1 mph (1.6 km / h)	With / Without Load	%	25 / 18			
WEIGHT		32	Service Weight	lbs (kg)	11270 (5110)		
		33	Weight Distribution	With Load	Front	lbs (kg)	17240 (7820)
		Rear			lbs (kg)	2010 (910)	
		34		Without Load	Front	lbs (kg)	3830 (1735)
Rear	lbs (kg)				7420 (3365)		
CHASSIS		35	Tires	Number	Front / Rear	2 / 2	
		36		Size	Front	22 x 9 x 16	
		37	Rear	18 x 6 x 12 1/8			
		38	Wheelbase		in (mm)	60.2 (1530)	
		39	Tread	Front	in (mm)	38.2 (970)	
				Rear	in (mm)	36.2 (920)	
		40	Ground clearance	at lowest point (Mast)	in (mm)	3.0 (75)	
41	at rear axle	in (mm)		3.9 (100)			
42	Brake	Service	Hydraulic internal expansion duo-servo front wheel braking				
43		Parking	Mechanical internal expansion front wheel braking				
ENGINE AND TRANSMISSION		45	Battery	Voltage / Capacity (5 hr)	V / AH	12 / 45	
		Generator		A / V	35 / 12		
		49	Internal Combustion Engine	Model	NISSAN K25		
		50		Rated Horsepower / r.p.m.	JIS D1001 60.9 HP / 2800 r.p.m. (45.4 kW / 2800 r.p.m. : 61.8 PS / 2800 r.p.m.)		
		51		Rated Torque / r.p.m.	185.0 N·m / 1600 r.p.m. 136.4 lbf·ft / 1600 r.p.m. 18.9 kgf·m / 1600 r.p.m.		
		52		Number of Cylinders	4		
				Displacement	cu·in (lit)	151.8 (2.488)	
		55	Transmission	Number of Speed Fwd / Rvs-type	Power shift T / M	1-1 Power shift Transmission	
57	Operating Pressure	For Attachment	psi (kg / cm ²)	2560 (180)			
		Hydraulic oil capacity	gal (lit)	10.5 (40)			



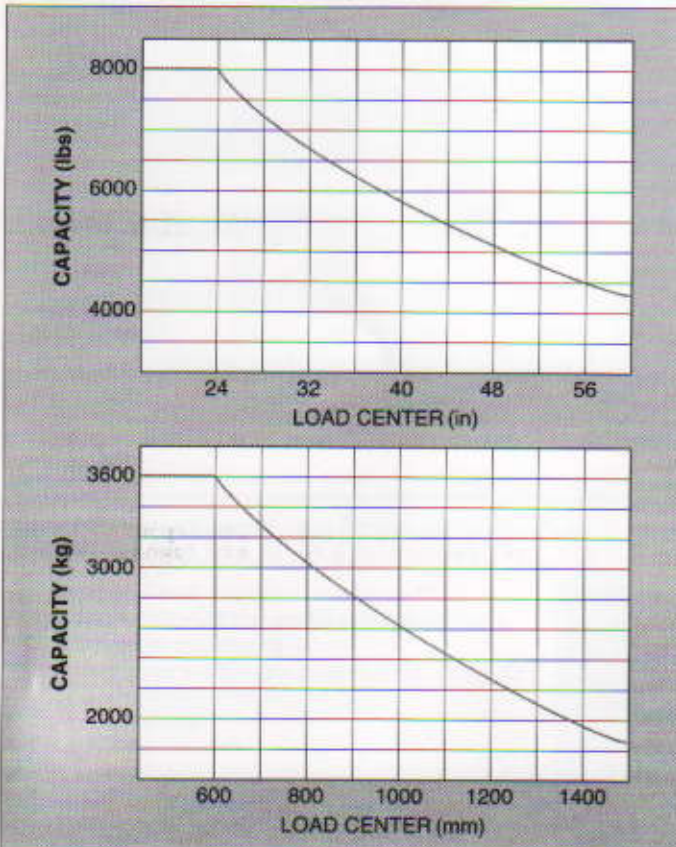
STANDARD DIMENSIONS

MODEL	FCG36	
	in.	mm
1 Overall height, Fork raised (with backrest)	175.6	4460
2 Max. fork height	126.0	3200
3 Overall height, fork lowered (upright)	83.1	2110
4 Backrest height (from upper face of fork)	48.0	1220
5 Free lift	11.8	300
6 Fork thickness	2.0	50
7 Min. under-clearance (MAST)	3.0	75
8 Overall length (with forks)	140.4	3565
9 Overall length (without forks)	98.3	2495
10 Fork length	42.0	1070
11 Fork overhang	16.7	425
12 Wheelbase	60.2	1530
13 Rear overhang	21.4	540
14 Coupler height	11.0	280
15 Counterweight height	49.6	1260
16 Seat height	58.7	1490
17 Overhead guard clearance (from face of seat)	39.4	1000
18 Overall height (overhead guard)	82.3	2090
19 Overall width	47.3	1200
20 Lateral fork adjustment (outside forks)	11.8-42.9	300-1090
21 Tread (front)	38.2	970
22 Tread (rear)	36.2	920
23 Fork width	5.9	150
24 Inside turning radius	0.4	10
25 Outside turning radius	87.6	2225
26 Min. intersecting aisle	81.9	2080
27 Tilting angle (forward-backward)	6° / 7°	6° / 7°

GROUND CLEARANCE

	FCG36	
	in.	mm
Mast	3.0	75
Frame	4.7	120
Front axle	3.9	100
Counterweight	4.7	120

LOAD CHART Lifting Height Up to 157 in (4000 mm)



Note:

Capacities shown are computed with upright in vertical position. Load centers are determined from front face of forks. Capacities are based on a 1000 mm or 48-in. cube load configuration with the center of gravity (C.G.) at the true center of the cube, and standard forks. Truck capacities with upright in forward tilt position will be less. Long forks, and unusually wide or tall loads may also reduce capacity. Contact TCM representative for capacity information on irregular loads. Specific capacities are shown on truck load chart.

TCM products and specifications are subject to improvement and change without notice.

TCM Industrial Trucks are equipped with certain safety devices as standard equipment.

TCM will not assume any liability for injuries or damage arising from or caused by the removal of any safety devices from any of its products.

Meets following major standards and code

- ISO 1074 Counter Balanced Lift Trucks, Stability & Safety Test (Int'l)
- JIS D6001 Industrial Lift Trucks (Japan)
- ANSI B56.1 Low & High Lift Trucks (USA)

Overhead guard meets ISO 6055, JIS 6021

Insurance classifications

Underwriter's Laboratories requirements as to fire hazard only for G, GS LP, LPS

WIDE VIEW MAST VM

Mast Model	Capacity		Max. Fork Height		Overall Mast Height				Free Lift with Backrest		Tilting Angle F / B	Service Weight	
	24 in. (600 mm)				Lowered		Raised with Backrest						
	lbs.	kg	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg
VM270	8000	3600	106.3	2700	73.2	1860	155.9	3960	11.8	300	6-7	11120	5080
VM300	8000	3600	118.0	3000	79.1	2010	167.7	4260	11.8	300	6-7	11270	5110
VM330	8000	3600	130.0	3300	85.0	2160	179.5	4560	11.8	300	6-7	11360	5150
VM350	8000	3600	137.8	3500	89.0	2260	187.4	4760	11.8	300	6-7	11410	5170
VM375	8000	3600	147.6	3750	93.9	2385	197.2	5010	11.8	300	3-6	11470	5200
VM400	8000	3600	157.5	4000	100.8	2560	207.1	5260	11.8	300	3-6	11610	5260
VM425	7800	3500	167.3	4250	105.7	2685	216.9	5510	11.8	300	3-6	11680	5290
VM450	7600	3450	177.2	4500	110.6	2810	226.8	5760	11.8	300	3-6	11710	5310
VM475	7400	3350	187.0	4750	115.6	2935	236.6	6010	11.8	300	3-6	11800	5340
VM500	7250	3300	196.9	5000	120.5	3060	246.5	6260	11.8	300	3-6	11870	5370

WIDE VIEW FULL FREE 2-STAGE MAST VFM

Mast Model	Capacity		Max. Fork Height		Overall Mast Height				Free Lift with Backrest		Tilting Angle F / B	Service Weight	
	24 in. (600 mm)				Lowered		Raised with Backrest						
	lbs.	kg	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg
VFM270	8000	3600	106.3	2700	73.2	1860	155.9	3960	25.2	640	6-7	11220	5085
VFM300	8000	3600	118.1	3000	79.1	2010	167.7	4260	31.1	790	6-7	11290	5115
VFM330	8000	3600	130.0	3300	85.0	2160	179.5	4560	37.0	940	6-7	11350	5145
VFM350	8000	3600	137.8	3500	89.0	2260	187.4	4760	40.9	1040	6-7	11400	5165
VFM375	8000	3600	147.6	3750	93.9	2385	197.3	5010	45.9	1165	3-6	11450	5190
VFM400	8000	3600	157.5	4000	100.8	2560	207.1	5260	52.8	1340	3-6	11630	5270
VFM425	7800	3500	167.3	4250	105.7	2685	216.9	5510	57.7	1465	3-6	11690	5300
VFM450	7600	3450	177.2	4500	110.6	2810	226.8	5760	62.6	1590	3-6	11750	5325
VFM475	7400	3350	187.0	4750	115.6	2935	236.6	6010	67.5	1715	3-6	11800	5350
VFM500	7250	3300	196.9	5000	120.5	3050	246.5	6260	72.4	1840	3-6	11860	5375

WIDE VIEW FULL FREE 3-STAGE MAST VFHM

Mast Model	Capacity		Max. Fork Height		Overall Mast Height				Free Lift with Backrest		Tilting Angle F / B	Service Weight	
	24 in. (600 mm)				Lowered		Raised with Backrest						
	lbs.	kg	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg
VFHM360	8000	3500	141.7	3600	69.3	1760	191.3	4860	21.3	540	3-6	11790	5345
VFHM400	7900	3500	157.5	4000	74.2	1885	207.1	5260	26.2	665	3-6	11880	5385
VFHM435	7750	3450	171.3	4350	79.1	2010	220.9	5610	31.1	790	3-6	11970	5425
VFHM480	7400	3300	189.0	4800	85.0	2160	238.6	6060	37.0	940	3-6	12080	5475
VFHM500	7250	3200	196.9	5000	89.0	2260	246.5	6260	40.9	1040	3-6	12140	5505
VFHM540	7100	3050	212.6	5400	93.9	2385	262.2	6660	45.9	1165	1.5-6	12230	5545
VFHM600	6700	2800	236.2	6000	102.8	2610	285.8	7260	54.7	1390	1.5-6	12540	5585

Note: Overall length with VFHM Mast: +1.6 in (40 mm) longer than that of STD model with VM Mast --- FCG36

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Manufactured by

TCM

TCM CORPORATION

TCM Manufacturing, USA, Inc.
107 McQueen Street
West Columbia, South Carolina 29172
Telefax: (803) 796-8975
Telephone: (803) 791-5205

Distributed by