

TCM



Gas & LPG Powered Forklift Truck

CUSHION TIRE TYPE

3000-8000 lbs./1500-3600 kg.

FCG15F9	FCG20F9	FCG25F9
3000 lbs/24 in. 1500 kg/500 mm	4000 lbs/24 in. 2000 kg/500 mm	5000 lbs/24 in. 2500 kg/500 mm

FCG30F9	FCG36N7
6000 lbs/24 in. 3000 kg/500 mm	8000 lbs/24 in. 3600 kg/600 mm

PERFORMANCE

GREATER LIFTING SPEED (with load).

FCG15: 118 fpm (600 mm/s), FCG20/25: 108 fpm (550 mm/s),
FCG30: 93 fpm (470 mm/s), FCG36: 78.8 fpm (400 mm/s)

DRAWBAR PULL (without load).

FCG15: 1540 lbs (6.9 kN), FCG20/25/30: 1980 lbs (8.8 kN),
FCG36: 2650 lbs (11.7 kN)

POWERFUL.

FCG15/20/25/30: Horse power 52 HP, Torque 115 ft·lb (147 N·m)
FCG36: Horsepower 64 HP, Torque 132.0 ft·lb (179 N·m)

COMFORT WITH SAFETY

FORWARD VISIBILITY INCREASED 15%.

LOW POSITIONED WIDE STEPS.

PARKING BRAKE LEVER WITH
LOCK BUTTON.

FINGER-TIP DIRECTION LEVER
HANDLING REDUCES OPERATOR'S
FATIGUE by 30%.

• WIDE FRONT VISIBILITY



• FULL OPEN STEPS



STANDARD SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer						
	2	Model						
	3	Load Capacity			lbs (kg)	FCG15F9 3000 (1500)		
	4	Load Center			in (mm)	FCG20F9 4000 (2000)		
	5	Power Type				24 (500)		
	6	Control Type				Gasoline or LPG		
	7	Tire Type			Front / Rear	Sit down rider type		
	8	Wheels (x = driven)			Front / Rear	Cushion tires 2x/2		
DIMENSIONS	9	Maximum Fork Height			in (mm)	130 (3300)		
	10	Free Lift			in (mm)	4.1 (105) 6.3 (160)		
	13	Fork Size			L x W x T in (mm)	42.1 x 3.9 x 1.38 (1070 x 100 x 35) 42.1 x 4.8 x 1.6 (1070 x 122 x 40)		
	14	Tilt Angle			Fwd / Bwd deg	5 / 10		
	15	Overall Length (Without Forks)			in (mm)	82.7 (2100) 89.0 (2260)		
	16	Overall Width			in (mm)	37.6 (955) 41.5 (1055)		
	17	Mast Height Fork Lowered			in (mm)	83.1 (2110)		
	18	Overall Height Fork Raised			in (mm)	179.1 (4550) 179.1 (4550)		
	19	Overhead Guard Height			in (mm)	80.5 (2045)		
	21	Turning Radius (Outside)			in (mm)	71.5 (1815) 78		
PERFORMANCE	24	Travel Max. (Fwd / Rvs.)			With Load	mph (km / h)	10.0 (16.0) 9.7 (15.5)	
	25				Without Load	mph (km / h)	10.3 (16.5) 10.0 (16.0)	
	26	Lifting			With Load	fpm (mm / s)	118 (600) 108 (550)	
26	Without Load				fpm (mm / s)	124 (630) 116 (590)		
26	Lowering			With Load	fpm (mm / s)	88.6 (450)		
26				Without Load	fpm (mm / s)	108.3 (550)		
28	Max. Drawbar Pull			Without Load	lbs (kN)	1540 (6.9) 1980 (8.8)		
29	Gradeability at 1mph (1.6 km/h)			With / Without Load	% (tan θ)	40 / 13.3 36 / 18		
WEIGHT	32	Service Weight			lbs (kg)	5980 (2720) 7360 (3350)		
	33	Weight Distribution			With Load	Front	lbs (kg)	7830 (3560) 10130 (4600)
	33				Rear	lbs (kg)	1150 (520) 1230 (560)	
	34	Without Load			Front	lbs (kg)	2340 (1065) 3170 (1440)	
34	Rear				lbs (kg)	3640 (1655) 4190 (1910)		
BRAKES AND TIRES	35	Number			Front / Rear	2 / 2		
	36	Tires			Front		21 x 6 x 15	
	37				Rear		14 x 4.5 x 8 16 x 6 x 8.0	
	38	Wheelbase			in (mm)	47.2 (1200) 55.1 (1400)		
	39	Tread			Front	in (mm)	31.5 (800) 34.5 (875)	
	39				Rear	in (mm)	31.5 (800) 33.7 (855)	
	40	Underclearance			at lowest point	in (mm)	3.0 (75)	
	41	at rear axle			in (mm)	3.15 (80) 3.3 (85)		
	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	V / AH	12 / 45	
	45	Generator			A / V		35 / 12	
	49	Model					4Y	
	50	Rated Horsepower / r.p.m.					SAE GROSS 52HP / 2400 r.p.m. (39 kW / 2400 r.p.m. : 53 PS / 2400 r.p.m.)	
	51	Rated Torque / r.p.m.			(JIS)		SAE 115ft·lbs / 1800 r.p.m. (147N·m, 15kg·m / 1800 r.p.m.)	
	52	Number of Cylinders					4	
	52	Displacement			cu·in (lit)		136 (2.237)	
	52	Fuel Tank Capacity			US gal (lit)		6.0 (23) 10.0 (38)	
	55	Transmission			Number of Speed For / Rvs-type		1-1 Power shift Transmission	
	57	Operating Pressure			For Attachment	psi (kg / cm ²)	2560 (180)	
57	Hydraulic oil capacity			US gal (lit)		5.3 (20) 7.4 (28)		

■ 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-Part II Low & High Lift Trucks, required by OSHA sec. 1910.178(a) (U.S.A.)
 FEM Safety Code of Lift Trucks (Europe)
 DIN Safety Code¹⁾ of Lift Trucks (Germany)

AS 2359.1-Part I Industrial Truck Code²⁾, Design & Manufacture (Australia)
 (countries in parentheses are mostly referred in the region and nearby area)
 ■ Overhead Guard meets ISO 6055 JIS 6021
 ■ Insurance classifications

Underwriter's Laboratories³⁾ requirements as to fire hazard only for G, GS LP, LPS

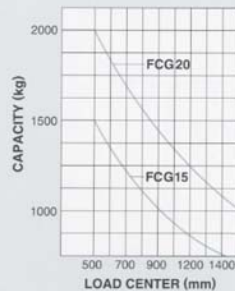
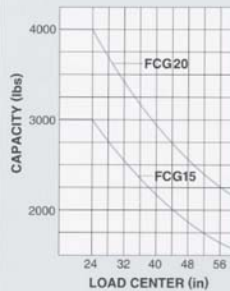
1) Germany export trucks
 2) Except capacity rating by full
 3) North America export trucks

TCM		
FCG25F9	FCG30F9	FCG36N7
5000 (2500)	6000 (3000)	8000 (3600)
24 (500)		24 (600)
Gasoline or LPG		
Sit down rider type		
Cushion tires		
2 x / 2		
130 (3300)		126 (3200)
6.3 (160)	4.9 (125)	11.8 (300)
42.1 x 4.8 x 1.6 (1070 x 122 x 40)	42.1 x 4.9 x 1.8 (1070 x 125 x 45)	42.1 x 5.9 x 2.0 (1070 x 150 x 50)
5 / 10		6 / 7
91.1 (2315)	94.7 (2405)	98.3 (2495)
41.5 (1055)	43.5 (1105)	47.3 (1200)
83.1 (2110)		83.1 (2110)
179.1 (4550)	175.2 (4450)	175.6 (4460)
80.5 (2045)		80.9 (2055)
80 (2050)	83.9 (2130)	87.6 (2225)
16.7 (425)	17.3 (440)	16.7 (425)
97.4 (2475)		104.3 (2650)
9.7 (15.5)		8.2 (13.1)
10.0 (16.0)		8.7 (14.0)
108 (550)	93 (470)	78.8 (400)
116 (590)	98 (500)	82.7 (420)
88.6 (450)		78.8 (400)
108.3 (550)	98 (500)	82.7 (420)
1980 (8.8)		2650 (11.7)
31 / 14.7	26 / 12.3	25 / 18
8250 (3750)	9330 (4240)	11270 (5110)
11660 (5300)	13390 (6090)	17240 (7820)
1590 (720)	1940 (880)	2010 (910)
2980 (1355)	2910 (1320)	3830 (1735)
5270 (2395)	6420 (2920)	7420 (3365)
2 / 2		
21 x 8 x 15	21 x 8 x 15	22 x 9 x 16
16 x 6 x 10.5		18 x 6 x 12 1/8
55.1 (1400)		60.2 (1530)
34.5 (875)		38.2 (970)
33.7 (855)		36.2 (920)
3.0 (75)		
3.3 (85)		4.72 (120)
Hydraulic internal expansion duo-servo front wheel braking		
Mechanical internal expansion front wheel braking		
12 / 45		
35 / 12		
4Y		NISSAN H25
SAE GROSS 52HP / 2400r.p.m.		SAE GROSS 64HP / 2500r.p.m.
(39 kW / 2400r.p.m. : 53 PS / 2400r.p.m.)		(42.7kW / 2500r.p.m. : 58 PS / 2500r.p.m.)
SAE 115ft.-lbs / 1800r.p.m. (147N-m, 15 kg-m / 1800r.p.m.)		SAE 132ft. lbs / 1600r.p.m. (179N-m, 18.3 kg-m / 1600r.p.m.)
4		
136 (2.237)		151.4 (2472)
10.0 (38)		12 (47)
1-1 Power shift Transmission		
2560 (180)		
7.4 (28)		10.5 (40)

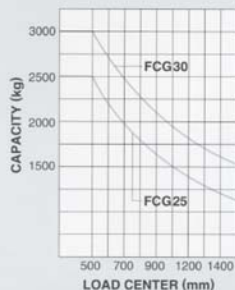
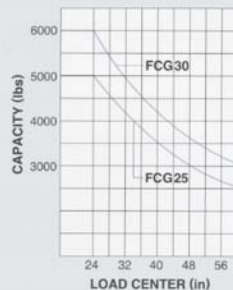
full forward tilt stacking
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LOAD CHART Lifting Height Up to 157 in (4000 mm)

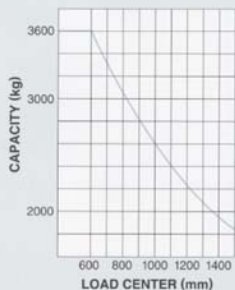
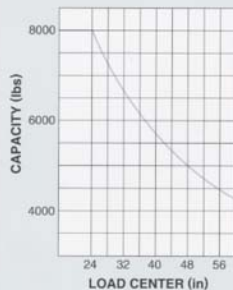
FCG 15 / 20



FCG 25 / 30



FCG 36



Note:

Capacities shown are computed with upright in vertical position. Load centers are determined from front face of forks.
Capacities are based on a 1000mm 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.

FCG30/36 WIDE VIEW MAST VM

Mast Model	Capacity				Max. Fork Height		Overall Mast Height						Free Lift with Backrest FCG30		Tilting Angle F/B	Service Weight			
	FCG30		FCG36				Lowered		Raised with Backrest		FCG30/36					FCG30		FCG36	
	24 in. (500mm)		24 in. (600mm)		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg	lbs.	kg
	lbs	kg	lbs	kg															
VM270	6000	3000	8000	3600	106.3	2700	73.2	1860	155.5	3950	155.9	3960	4.9	125	5-10	9220	4190	11120	5080
VM300	6000	3000	8000	3600	118.0	3000	79.1	2010	167.3	4250	167.7	4260	4.9	125	5-10	9270	4215	11270	5110
VM330	6000	3000	8000	3600	130.0	3300	85.0	2160	179.1	4550	179.5	4560	4.9	125	5-10	9330	4240	11360	5150
VM350	6000	3000	8000	3600	137.8	3500	89.0	2260	187.0	4750	187.4	4760	4.9	125	5-10	9370	4260	11410	5170
VM375	6000	3000	8000	3600	147.6	3750	93.9	2385	196.9	5000	197.2	5010	4.9	125	3-6	9420	4280	11470	5200
VM400	6000	3000	8000	3600	157.5	4000	100.8	2560	206.7	5250	207.1	5260	4.9	125	3-6	9540	4335	11610	5260
VM425	5850	2900	7800	3500	167.3	4250	105.7	2685	216.5	5500	216.9	5510	4.9	125	3-6	9580	4355	11680	5290
VM450	5850	2900	7600	3450	177.2	4500	110.6	2810	226.4	5750	226.8	5760	4.9	125	3-6	9630	4375	11710	5310
VM475	5700	2800	7400	3350	187.0	4750	115.6	2935	236.2	6000	236.6	6010	4.9	125	3-6	9670	4395	11800	5340
VM500	5700	2800	7250	3300	196.9	5000	120.5	3060	246.1	6250	246.5	6260	4.9	125	3-6	9720	4420	11870	5370
VM550	5400	2650	—	—	216.5	5500	132.3	3360	265.7	6750	—	—	4.9	125	1.5-6	9890	4495	—	—
VM600	5200	2500	—	—	236.2	6000	142.1	3610	285.4	7250	—	—	4.9	125	1.5-6	9980	4535	—	—

Note: Free Lift for FCG36 --- 11.8 in (300 mm)

Tilting angle figures for FCG30, for FCG36: VM270-VM350, 6-7 degree, VM375-VM500, 3-6 degree.

FCG30/36 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					
	FCG30		FCG36				Lowered		Raised with Backrest		FCG30			FCG36		FCG30		FCG36	
	24 in. (500mm)		24 in. (600mm)		in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg	lbs.	kg		
	lbs	kg	lbs	kg															
VFM270	6000	3000	8000	3600	106.3	2700	73.2	1860	155.9	3960	25.0	635	25.2	640	5-10	9250	4205	11220	5085
VFM300	6000	3000	8000	3600	118.1	3000	79.1	2010	167.7	4260	30.9	785	31.1	790	5-10	9320	4235	11290	5115
VFM330	6000	3000	8000	3600	130.0	3300	85.0	2160	179.5	4560	36.8	935	37.0	940	5-10	9370	4260	11350	5145
VFM350	6000	3000	8000	3600	137.8	3500	89.0	2260	187.4	4760	40.8	1035	40.9	1040	5-10	9420	4280	11400	5165
VFM375	6000	3000	8000	3600	147.6	3750	93.9	2385	197.3	5010	45.7	1160	45.9	1165	3-6	9460	4300	11450	5190
VFM400	6000	3000	8000	3600	157.5	4000	100.8	2560	207.1	5260	52.6	1335	52.8	1340	3-6	9580	4355	11630	5270
VFM425	5850	2900	7800	3500	167.3	4250	105.7	2685	216.9	5510	57.5	1460	57.7	1465	3-6	9640	4380	11690	5300
VFM450	5850	2900	7600	3450	177.2	4500	110.6	2810	226.8	5760	62.4	1585	62.6	1590	3-6	9680	4400	11750	5325
VFM475	5700	2800	7400	3350	187.0	4750	115.6	2935	236.6	6010	67.4	1710	67.5	1715	3-6	9740	4425	11800	5350
VFM500	5700	2800	7250	3300	196.9	5000	120.5	3050	246.5	6260	72.3	1840	72.4	1840	3-6	9780	4445	11860	5375
VFM550	5400	2650	—	—	216.5	5500	132.3	3360	266.1	6760	84.1	2135	—	—	3-6	9940	4520	—	—
VFM600	5200	2500	—	—	236.2	6000	142.1	3610	285.8	7260	93.9	2385	—	—	3-6	10050	4570	—	—

Note: Tilting angle figures for FCG30, for FCG36: VFM270-VFM350, 6-7 degree, VFM375-VFM500, 3-6 degree.

FCG30/36 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 (FCG30)	Service Weight					
	FCG30		FCG36				Lowered		Raised with Backrest		FCG30			FCG36		FCG30		FCG36	
	24 in. (500mm)		24 in. (600mm)		in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg	lbs.	kg		
	lbs	kg	lbs	kg															
VFHM360	6000	2950	8000	3500	141.7	3600	69.3	1760	191.3	4860	21.1	535	21.3	540	3-6	9540	4335	11790	5345
VFHM400	5900	2850	7900	3500	157.5	4000	74.2	1885	207.1	5260	26.0	660	26.2	665	3-6	9600	4365	11880	5385
VFHM435	5750	2850	7750	3450	171.3	4350	79.1	2010	220.9	5610	30.9	785	31.1	790	3-6	9670	4395	11970	5425
VFHM480	5550	2750	7400	3300	189.0	4800	85.0	2160	238.6	6060	36.8	935	37.0	940	3-6	9760	4435	12080	5475
VFHM500	5400	2650	7250	3200	196.9	5000	89.0	2260	246.5	6260	40.8	1035	40.9	1040	3-6	9810	4460	12140	5505
VFHM540	4800	1900	7100	3050	212.6	5400	93.9	2385	262.2	6660	45.7	1160	45.9	1165	3-6	9870	4485	12230	5545
VFHM600	2900	1100	6700	2800	236.2	6000	102.8	2610	285.8	7260	54.6	1385	54.7	1390	3-6	10080	4580	12540	5585
VFHM650	4600	2000	—	—	255.9	6500	111.2	2825	305.5	7760	63.0	1600	—	—	3-3	10200	4635	—	—
VFHM700	2000	1000	—	—	275.6	7000	119.9	3045	325.2	8260	71.7	1820	—	—	3-3	10320	4690	—	—

Note: Capacity at VFHM650, 700 are Wide Tread Spec. / Tilting angle figures for FCG30, for FCG36: VFHM360-VFHM500, 3-6 degree, VFHM540-600, 1.5-6 degree.

Overall length with VFHM Mast: + 1 in (25 mm) longer than that of STD model with VM Mast --- FCG30

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

FCG15/20/25 WIDE VIEW MAST VM

Mast Model	Capacity						Max. Fork Height		Overall Mast Height				Free Lift with Backrest FCG15		Tilting Angle F/B	Service Weight					
	FCG15		FCG20		FCG25				Lowered		Raised with Backrest		FCG15			FCG15		FCG20		FCG25	
	24 in. (500mm)		24 in. (500mm)		24 in. (500mm)				FCG15/20/25		FCG15/20/25		FCG15			FCG15		FCG20		FCG25	
	lbs	kg	lbs	kg	lbs	kg	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg	lbs.	kg	lbs.	kg
VM270	3000	1500	4000	2000	5000	2500	106.3	2700	71.3	1810	155.5	3950	4.1	105	5-10	5910	2685	7260	3300	8140	3700
VM300	3000	1500	4000	2000	5000	2500	118.1	3000	77.2	1960	167.3	4250	4.1	105	5-10	5940	2700	7310	3325	8200	3725
VM330	3000	1500	4000	2000	5000	2500	130.0	3300	83.1	2110	179.1	4550	4.1	105	5-10	5980	2720	7360	3350	8250	3750
VM350	3000	1500	4000	2000	5000	2500	137.8	3500	87.0	2210	187.0	4750	4.1	105	5-10	6010	2730	7400	3365	8280	3765
VM375	3000	1500	4000	2000	5000	2500	147.6	3750	91.9	2335	196.9	5000	4.1	105	3-6	6040	2745	7450	3385	8330	3785
VM400	3000	1500	4000	2000	5000	2500	157.5	4000	98.8	2510	206.7	5250	4.1	105	3-6	6140	2790	7560	3435	8440	3835
VM425	2800	1400	3850	1900	4850	2400	167.3	4250	103.7	2635	216.5	5500	4.1	105	3-6	6170	2805	7600	3455	8480	3855
VM450	2800	1400	3850	1900	4850	2400	177.2	4500	108.7	2760	226.4	5750	4.1	105	3-6	6200	2820	7650	3475	8530	3875
VM475	2600	1300	3750	1800	4700	2300	187.0	4750	113.8	2885	236.2	6000	4.1	105	3-6	6240	2835	7690	3495	8570	3895
VM500	2600	1300	3750	1800	4700	2300	196.9	5000	118.5	3010	246.1	6250	4.1	105	3-6	6270	2850	7730	3515	8610	3915
VM550	—	—	3500	1700	4500	2200	216.5	5500	130.3	3310	265.7	6750	4.1	105	3-6	—	—	7900	3550	8780	3990
VM600	—	—	3400	1600	4300	2100	236.2	6000	140.2	3560	285.4	7250	4.1	105	3-6	—	—	7980	3625	8860	4025

Note: Free Lift for FCG20/25 — 6.3 in (160mm)

FCG15/20/25 WIDE VIEW FULL FREE 2-STAGE MAST VFM

Mast Model	Capacity						Max. Fork Height		Overall Mast Height				Free Lift with Backrest		Free Lift with Backrest		Tilting Angle F/B	Service Weight					
	FCG15		FCG20		FCG25				Lowered		Raised with Backrest		FCG15		FCG20/25			FCG15		FCG20		FCG25	
	24 in. (500mm)		24 in. (500mm)		24 in. (500mm)				FCG15/20/25		FCG15/20/25		FCG15		FCG20/25			FCG15		FCG20		FCG25	
	lbs	kg	lbs	kg	lbs	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg	lbs.	kg	lbs.	kg
VFM270	3000	1500	4000	2000	5000	2500	106.3	2700	71.3	1810	155.5	3950	23.0	585	23.2	590	5-10	6000	2725	7280	3310	8160	3710
VFM300	3000	1500	4000	2000	5000	2500	118.1	3000	77.2	1960	167.3	4250	28.9	735	29.1	740	5-10	6040	2745	7350	3340	8230	3740
VFM330	3000	1500	4000	2000	5000	2500	130.0	3300	83.2	2110	179.1	4550	34.8	885	35.0	890	5-10	6080	2765	7400	3365	8280	3765
VFM350	3000	1500	4000	2000	5000	2500	137.8	3500	87.0	2210	187.0	4750	38.8	985	39.0	990	5-10	6110	2775	7440	3380	8320	3780
VFM375	3000	1500	4000	2000	5000	2500	147.6	3750	91.9	2335	196.9	5000	43.7	1110	43.9	1115	3-6	6150	2795	7470	3395	8350	3795
VFM400	3000	1500	4000	2000	5000	2500	157.5	4000	98.8	2510	206.7	5250	50.6	1285	50.8	1290	3-6	6250	2840	7590	3450	8470	3850
VFM425	2800	1400	3850	1900	4850	2400	167.3	4250	103.7	2635	216.5	5500	55.5	1410	55.7	1415	3-6	6280	2855	7650	3475	8530	3875
VFM450	2800	1400	3850	1900	4850	2400	177.2	4500	108.7	2760	226.4	5750	60.4	1535	60.6	1540	3-6	6310	2870	7690	3495	8570	3895
VFM475	2600	1300	3750	1800	4700	2300	187.0	4750	113.6	2885	236.2	6000	65.4	1660	65.6	1665	3-6	6350	2885	7730	3515	8610	3915
VFM500	2600	1300	3750	1800	4700	2300	196.9	5000	118.5	3010	246.1	6250	70.3	1785	70.5	1795	3-6	6390	2905	7780	3535	8660	3935
VFM550	—	—	3500	1700	4500	2200	216.5	5500	130.3	3310	265.7	6750	—	—	82.3	2090	3-6	—	—	7900	3590	8780	3990
VFM600	—	—	3500	1600	4300	2100	236.2	6000	140.2	3560	285.4	7250	—	—	92.1	2340	3-6	—	—	8040	3655	8920	4055

FCG15/20/25 WIDE VIEW FULL FREE 3-STAGE MAST VFHM

Mast Model	Capacity						Max. Fork Height		Overall Mast Height				Free Lift with Backrest		Free Lift with Backrest		Tilting Angle F/B	Service Weight					
	FCG15		FCG20		FCG25				Lowered		Raised with Backrest		FCG15		FCG20/25			FCG15		FCG20		FCG25	
	24 in. (500mm)		24 in. (500mm)		24 in. (500mm)				FCG15/20/25		FCG15/20/25		FCG15		FCG20/25			FCG15		FCG20		FCG25	
	lbs	kg	lbs	kg	lbs	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	degree	lbs.	kg	lbs.	kg	lbs.	kg
VFHM360	2950	1450	4000	1950	5000	2450	141.7	3600	63.7	1710	190.9	4850	19.1	485	19.3	490	3-6	6190	2815	7570	3440	8450	3840
VFHM400	2850	1400	3850	1900	4850	2400	157.5	4000	72.2	1835	206.7	5250	24.0	610	24.2	615	3-6	6250	2840	7630	3470	8510	3870
VFHM435	2750	1350	3750	1850	4750	2350	171.3	4350	77.2	1960	220.5	5600	28.9	735	29.1	740	3-6	6290	2860	7700	3500	8580	3900
VFHM480	2600	1300	3650	1750	4600	2250	189.0	4800	83.1	2110	238.2	6050	34.8	885	35.0	890	3-6	6360	2890	7780	3535	8660	3935
VFHM500	2500	1250	3550	1700	4550	2200	196.9	5000	87.0	2210	246.1	6250	38.8	985	39.0	990	3-6	6390	2905	7830	3560	8710	3960
VFHM540	2300	950	3400	1400	4100	1600	212.6	5400	91.9	2335	261.8	6650	43.7	1110	43.9	1115	3-6	6450	2930	7890	3585	8770	3985
VFHM600	1600	650	2200	900	2400	1000	236.2	6000	100.8	2560	285.4	7250	52.6	1335	52.8	1340	3-6	6590	2995	8070	3670	8950	4070
VFHM650	1300	600	2900	1500	3800	1800	255.9	6500	109.3	2775	305.1	7750	61.0	1550	61.2	1555	3-3	6690	3040	8200	3725	9080	4120
VFHM700	700	300	2000	900	2000	900	275.6	7000	117.9	2995	324.8	8250	69.7	1770	69.9	1775	3-3	6780	3080	8290	3770	9170	4175

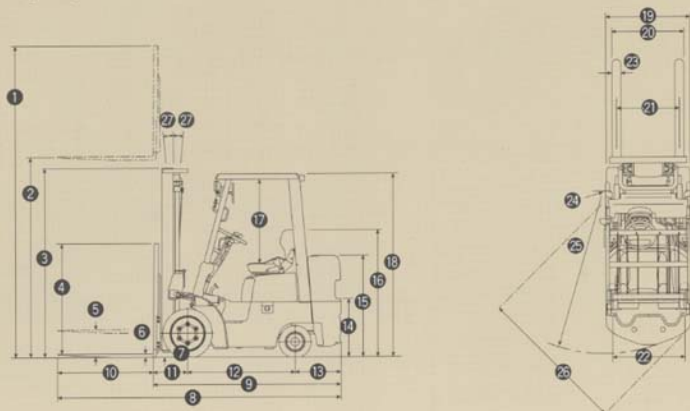
Note: Capacity at VFHM600, 700 are Wide Tread Spec.

Overall length with VFHM Mast: +0.8 in (20 mm) longer than that of STD model with VM Mast -- FCG15

Overall length with VFHM Mast: +1.8 in (45 mm) longer than that of STD model with VM Mast -- FCG20/25

STANDARD DIMENSIONS

FCG15/20/25/30/36



MODEL	FCG15		FCG20		FCG25		FCG30		FCG36	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1 Overall height, Fork raised (with backrest)	179.1	4550	179.1	4550	179.1	4550	175.2	4550	175.6	4460
2 Max. fork height	130.0	3300	130.0	3300	130.0	3300	130.0	3300	126.0	3200
3 Overall height, Fork lowered (upright)	83.1	2110	83.1	2110	83.1	2110	83.1	2110	83.0	2110
4 Backrest height (from upper face of fork)	48.0	1220	48.0	1220	48.0	1220	48.2	1225	48.0	1220
5 Free lift	4.1	105	6.3	160	6.3	160	4.9	125	11.8	300
6 Fork thickness	1.4	35	1.6	40	1.6	40	1.8	45	2.0	50
7 Min. under-clearance (MAST)	3.0	75	3.0	75	3.0	75	3.0	75	3.0	75
8 Overall length (with forks)	123.0	3170	131.1	3330	133.3	3385	136.8	3475	140.4	3565
9 Overall length (without forks)	82.7	2100	89.0	2260	91.1	2315	94.7	2405	98.3	2495
10 Fork length	42.0	1070	42.0	1070	42.0	1070	42.0	1070	42.0	1070
11 Fork overhang	15.4	390	16.7	425	16.7	425	17.3	440	16.7	425
12 Wheelbase	47.2	1200	55.1	1400	55.1	1400	55.1	1400	60.2	1530
13 Rear overhang	20.1	510	17.1	435	19.3	490	22.2	565	21.4	540
14 Coupler height	8.3	210	9.4	240	9.4	240	9.4	240	11.0	280
15 Counterweight height	44.3	1125	43.1	1095	43.1	1095	43.1	1095	49.6	1260
16 Seat height	55.5	1410	55.5	1410	55.5	1410	55.5	1410	58.7	1490
17 Overhead guard clearance (from face of seat)	39.4	1000	39.4	1000	39.4	1000	39.4	1000	39.8	1010
18 Overall height (overhead guard)	80.5	2045	80.5	2045	80.5	2045	80.5	2045	82.3	2090
19 Overall width	37.6	955	41.5	1055	41.5	1055	43.5	1105	47.3	1200
20 Lateral fork adjustment (outside forks)	7.9-31.5	200-800	9.6-37.4	245-950	9.6-37.4	245-950	9.8-40.6	250-1030	11.8-42.9	300-1090
21 Tread (front)	31.5	800	34.5	875	34.5	875	35.4	900	38.2	970
22 Tread (rear)	31.5	800	33.7	855	33.7	855	33.7	855	36.2	920
23 Fork width	3.9	100	4.8	122	4.8	122	4.9	125	5.9	150
24 Inside turning radius	0.8	20	2.0	50	2.0	50	1.0	25	0.4	10
25 Outside turning radius	71.5	1815	78.3	1990	80.7	2050	83.9	2130	87.6	2225
26 Min. intersecting aisle	70.7	1795	73.6	1870	74.8	1900	77.6	1970	81.9	2080
27 Tilt angle (forward-backward)	5°/10°	5°/10°	5°/10°	5°/10°	5°/10°	5°/10°	5°/10°	5°/10°	6°/17°	6°/17°

UNDERCLEARANCE

	Upright	Frame	Front wheel	Rear wheel	Counter weight
FCG15	3.0 in (75 mm)	3.2 in (80 mm)	4.2 in (105 mm)	3.1 in (85 mm)	3.5 in (90 mm)
FCG20/25/30	3.0 in (75 mm)	3.2 in (80 mm)	4.2 in (105 mm)	3.7 in (95 mm)	3.5 in (90 mm)
FCG36	3.0 in (75 mm)	4.7 in (120 mm)	3.9 in (100 mm)	3.9 in (100 mm)	4.7 in (120 mm)

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

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