

STANDARD EQUIPMENT AND ACCESSORIES

[Equipment]

- Asbestos-free brake shoe material
- Centrifugal air cleaner
- Coolant recovery system
- Cylinder type bonnet latch with locking function
- Deluxe suspension seat with seat-belt
- Drawbar device
- Engine after glow system
- Engine auto glow system
- Fuel water sediment
- Full hydraulic power steering
- Heavy duty overhead guard
- Hi-visibility, wide view mast (VM300)
- Hydraulic oil dipstick
- ITA Class III & IV carriage
- J-lug long life tires
- Lift circuit cut-off valve
- Load backrest
- Overhead air intake system
- Power-assisted brake
- Power-assisted oil clutch (manual shift T/M)
- Retaining rollers
- Return hydraulic filter
- Suction hydraulic strainer
- Tilt lock valve
- Transmission oil dipstick (power shift T/M)
- Transmission oil filter (power shift T/M)
- 1070mm forks (1220mm for 5 ton)
- 2-spool control valve with pressure relief

[Controls]

- Electric shift control lever (power shift T/M)
- Lift and tilt levers
- Multi-function switch lever (lighting and turn-signal) with self-cancelling mechanism
- Parking brake lever with inter-lock
- Tilt adjustable steering post

[Accessories]

- Access-assisted hand grip
- Back-up alarm buzzer
- Back-up lights
- Deluxe non-slip floor mat
- Documents clip
- Documents holder
- Electric horn
- Front combination lights (turn signal, clearance)
- Glove compartment / Pen holder
- Head lights traffic purposes
- High-mounted rear combination lights (tail, brake, back-up, turn signal and reflector)
- Operator tool kit
- Overhead guard canvas
- Side view mirrors
- Tilt cylinder covers

[Instruments and Switch]

- Charge indicator
- Engine oil pressure warning indicator
- Fuel gauge
- Fuel sediment indicator
- Glow indicator
- Hourmeter
- Ignition key engine stop
- Neutral safety switch
- Water temperature gauge

OPTIONAL LOADING ATTACHMENT

- Alternative fork lengths
- Bale clamp
- Carton clamp (on request)
- Crane arm (on request)
- Drum clamp (on request)
- Fork clamp (on request)
- Fork extension sleeves
- Fork positioner (hydraulic type)
- Fork positioner (manual type)
- High, wide type load backrest
- Hinged forks, bucket
- Load push-pull (on request)
- Load stabilizer (on request)
- Ram
- Rotating bale clamp
- Rotating forks (hook-on, integral type)
- Rotating paper roll clamp (hook-on, integral type)
- Side shift
- Sleeve-in hook (on request)
- Wide type fork carriage
- Wide view full free 2-stage (VFM) mast
- Wide view full free 3-stage (VFHM) mast

OPTIONAL EQUIPMENT AND ACCESSORIES

[Equipment]

- Air-conditioner (steel cabin) (SCBAC)
- Auxiliary hydraulic valve modules
- Central greasing system (CL)
- Color tire (white, green) (TUW-G)
- Dual element aircleaner (ADE)
- Engine air precleaner (CAKB)
- Exhaust purify catalytic muffler (EPM)
- Front dual drive wheels (DD/SDD)
- Heater (HR)
- Heater & defroster (steel cabin) (DEF)
- High profile overhead guard (2400mm) (HGH)
- Hydraulic oil cooler (CRH)
- Low profile overhead guard (2130mm) (HGL)
- Overhead exhaust system (TUE)
- Plate fin radiator (RAD PF)
- Radiator dust screen (fine, medium mesh) (DSR)
- Semi-integral type power steering
- Smoke reduction/spark arrester muffler (CBM)
- Solid tires (Unique cushion tires) (SE)
- Steel cabin (SCB001)
- Windshield with wiper (AW071)

[Accessories]

- Custom paint-work
- Fire extinguisher (FE)
- Rear working light (RWL)
- Rotating warning light (Beacon) (RLY/RLR)
- Steering cylinder boot (PSB)
- (This applies to the semi-integral type power steering only.)
- Tilt cylinder covers (TLB)

[Instruments and Switch]

- Air cleaner clogging warning indicator
- Ammeter (AM)
- O.K. monitor (OKM) (battery electrolyte level, coolant level, parking brake, air-cleaner)
- Speedometer (SM)
- Torque converter oil pressure gauge (TPM)
- Torque converter oil temperature gauge (TTM) (power shift T/M)

Others on request

NOTES : ●Meets following major standards and code:
ISO22915-2 Counter Balanced Lift Trucks, Stability & Safety Test (Int'l)
JIS D6001 Industrial Lift Trucks (Japan)
ISO D6011 Stability & Safety Test (Japan)
●Overhead guard meets ISO 6055, JIS D6021

TCM

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Note:
These products and specifications are subject to change without notice.
Photos and illustrations may slightly differ from the actual trucks.
Photos and illustrations may or may not include optional equipment and accessories.
Features and specifications may vary depending on markets.
Performance data and dimensions are nominal and subject to tolerances.
Produced in ISO certified factory.

PRESENTED BY :

FS08-43B/E (SPEC)
SI-2209-08

TCM

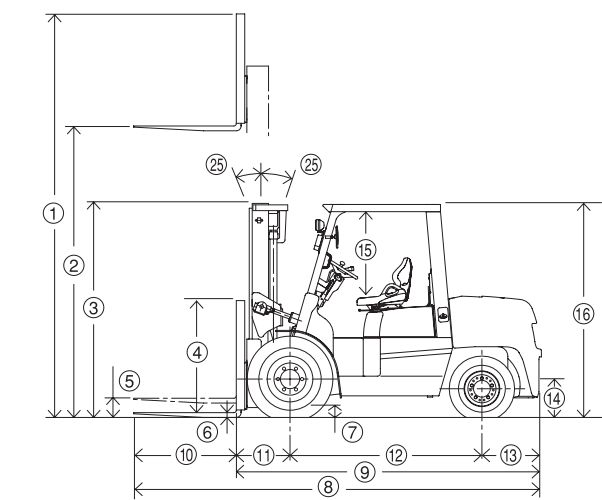
RELIABLE.
POWERFUL.
ENVIRONMENT-FRIENDLY.



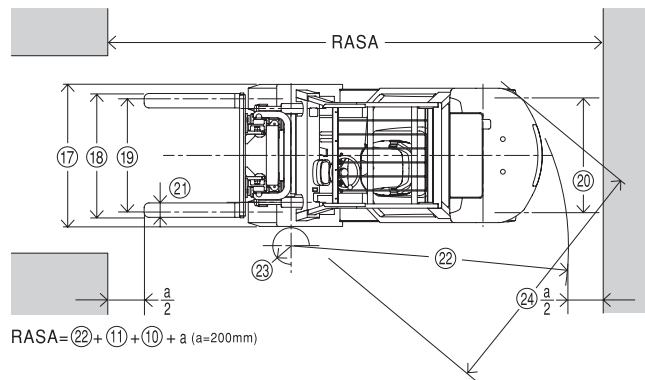
3.5-5t
3500-5000kg | DIESEL POWERED
PNEUMATIC TIRE TRUCKS

FD35T9-C9 | 3500kg 600mm FD40T9-C9 | 4000kg 600mm FD45T9-C9 | 4500kg 600mm FD50T9 | 5000kg 600mm

STANDARD DIMENSIONS



GROUND CLEARANCE	FD35T9-C9 mm	FD40T9-C9 mm	FD45T9-C9 mm	FD50T9 mm
Mast	155	155	140	140
Frame	185	185	185	185
Front axle	185	185	185	185
Rear axle	195	195	195	195
Counter weight	205	205	205	205



STANDARD DIMENSIONS

Model	FD35T9-C9	FD40T9-C9	FD45T9-C9	FD50T9
	mm	mm	mm	mm
① Overall height, fork raised (with backrest)	4265	4265	4265	4420
② Maximum fork height	3000	3000	3000	3000
③ Mast height, fork lowered	2230	2230	2235	2360
④ Backrest height	1220	1220	1215	1370
⑤ Free lift	150	150	155	160
⑥ Fork thickness	50	50	55	60
⑦ Minimum ground clearance	155	155	140	140
⑧ Overall length (with forks)	4150	4180	4260	4610
⑨ Length to fork face	3080	3110	3190	3390
⑩ Fork length	1070	1070	1070	1220
⑪ Load distance	560	560	590	590
⑫ Wheelbase	2000	2000	2000	2200
⑬ Rear overhang	520	550	600	600
⑭ Drawbar Pin Center Height	320	320	320	320
⑮ Overhead guard clearance (from face of seat)	1020	1020	1020	1020
⑯ Overall height (overhead guard)	2250	2250	2250	2250
⑰ Overall width	1480	1480	1480	1480
⑱ Fork spread (outside)	300~1290	300~1290	300~1290	300~1290
⑲ Tread (front)	1180	1180	1180	1180
⑳ Tread (rear)	1195	1195	1195	1195
㉑ Fork width	150	150	150	150
㉒ Outside turning radius	2790	2820	2860	3040
㉓ Inside turning radius	200	200	200	200
㉔ Minimum intersecting aisle	2650	2650	2700	2850
㉕ Tilt angles (forward-backward)	6°-12°	6°-12°	6°-12°	6°-12°

DIMENSIONS WITH FRONT DUAL DRIVE WHEELS (option)

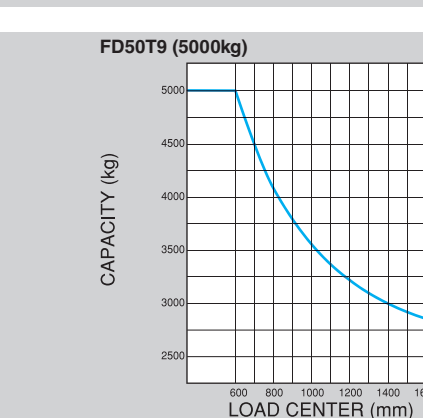
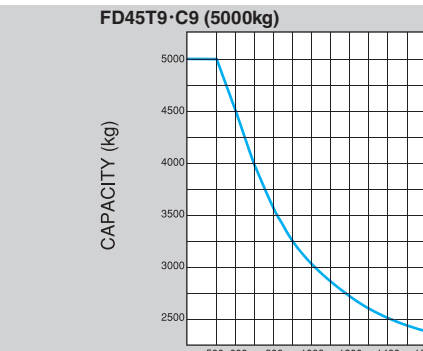
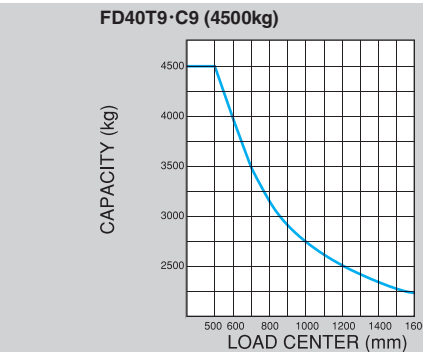
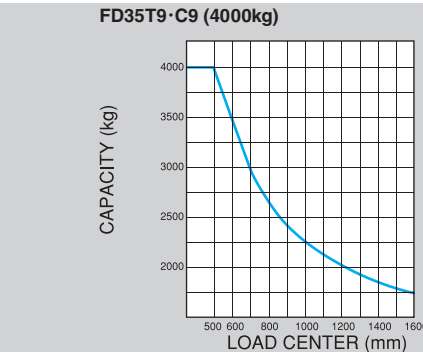
Model	FD35T9-C9	FD40T9-C9	FD45T9-C9	FD50T9
Tire size (front dual)	7.50-16-8PR	7.50-16-8PR	7.50-16-8PR	7.50-16-8PR
Service weight	+20kg	+20kg	+20kg	+20kg
	mm	mm	mm	mm
⑰ Overall width	1830	1830	1830	1830
⑱ Tread (front)	1340	1340	1340	1340
㉒ Outside turning radius	2890	2950	2950	3125
㉓ Inside turning radius	200	200	200	200
㉔ Minimum intersecting aisle	2600	2600	2600	2750
Tire size (front dual)	8.25-15-14PR	8.25-15-14PR		
Service weight	+80kg	+80kg		
	mm	mm		
③ Mast height, fork lowered	2245	2245		
⑰ Overall width	1950	1950		
⑱ Tread (front)	1435	1435		
㉒ Outside turning radius	2920	2950		
㉓ Inside turning radius	200	200		
㉔ Minimum intersecting aisle	2600	2650		

STANDARD SPECIFICATIONS

Characteristics	1 Manufacturer			Power shift T/M Manual shift T/M	Mitsubishi Logisnext				
	2 Model				FD35T9 FD35C9	FD40T9 FD40C9	FD45T9 FD45C9	FD50T9	
Dimensions	3 Load Capacity		Load Center 500mm	kg	4000	4500	5000	5000	
			Load Center 600mm	kg	3500	4000	4500	5000	
	5 Power Type				Diesel	Diesel	Diesel	Diesel	
	6 Operator Position				Sit Down Rider Type	Sit Down Rider Type	Sit Down Rider Type	Sit Down Rider Type	
	7 Tire Type				Pneumatic	Pneumatic	Pneumatic	Pneumatic	
	8 Wheels (X=driven)			Front / Rear	2 X / 2	2 X / 2	2 X / 2	2 X / 2	
	9 Maximum Fork Height			mm	3000	3000	3000	3000	
	10 Free Lift			mm	150	150	155	160	
	13 Fork Size			L X W X T	mm	1070 X 150 X 50	1070 X 150 X 50	1070 X 150 X 55	1220 X 150 X 60
	Fork Spread (Outside)			Max. / Min.	mm	1290 / 300	1290 / 300	1290 / 300	1290 / 300
Performance	14 Tilt Angle			Fwd. / Bwd.	deg	6 / 12	6 / 12	6 / 12	6 / 12
	15 Length to Fork Face				mm	3080	3110	3190	3390
	16 Overall Width				mm	1480	1480	1480	1480
	17 Mast Height Fork Lowered				mm	2230	2230	2235	2360
	18 Mast Height Fork Raised				mm	4265	4265	4265	4420
	19 Overhead Guard Height				mm	2250	2250	2250	2250
	21 Turning Radius (Outside)				mm	2790	2820	2860	3040
	22 Load Distance (Centerline of front axle to front face of forks)				mm	560	560	590	590
	Rear Overhang				mm	520	550	600	600
	23 Basic Right Angle Stacking Aisle Width				mm	4750	4780	4850	5030
Weight	24			Travel Max.	km/h	26.0 / 19.5	26.0 / 19.5	26.0 / 19.0	26.0 / 19.0
				Manual shift T/M fwd/rvs	km/h	19.5 / 19.0	19.5 / 19.0	19.5 / 19.0	
	25 Speeds			Lifting	mm/sec	540	540	480	480
				No load	mm/sec	580	580	520	520
	26			Lowering	mm/sec	500	500	450	450
				No load	mm/sec	550	550	450	500
	28 Max. Drawbar Pull			Power shift T/M Full / No load	kN	33.3 / 17.6	33.3 / 17.6	34.3 / 18.6	34.3 / 18.6
				Manual shift T/M Full / No load	kN	21.1 / 17.6	21.1 / 17.6	21.6 / 18.6	
	29 Max. Gradeability*			Power shift T/M Full / No load	%	33 / 20	30 / 20	27 / 20	25 / 20
				Manual shift T/M Full / No load	%	18 / 20	16 / 18	15 / 16	
Chassis & Wheels	32 Total Weight			Power shift T/M	kg	6100	6450	6960	7260
				Manual shift T/M	kg	6060	6410	6920	
	33 Weight Distribution (Powershift T/M)			Full load	kg	8410	9140	10130	10980
				Front	kg	1190	1310	1330	1280
	34			No load	kg	2880	2820	2950	3270
				Front	kg	3220	3630	4010	3990
	33 Weight Distribution (Manual shift T/M)			Full load	kg	8370	9100	10090	
				Front	kg	1190	1310	1330	
	34			No load	kg	2840	2780	2910	
				Front	kg	3220	3630	4010	
Engine & Transmission	35			Number	Front / Rear	2 / 2	2 / 2	2 / 2	2 / 2
	36 Tires			Front		300-15-18PR (I)	300-15-18PR (I)	300-15-18PR (I)	300-15-18PR (I)
	37			Size	Rear	7.00-12-12PR (I)	7.00-12-12PR (I)	7.00-12-14PR (I)	7.00-12-14PR (I)
	38 Wheelbase			mm	2000	2000	2000	2200	
	39 Tread			mm	1180	1180	1180	1180	
				mm	1195	1195	1195	1195	
	Backest Height			mm	1220	1220	1215	1370	
	Overhead Guard Clearance			mm	1020	1020	1020	1020	
	Counterweight Height			mm	1320	1320	1320	1320	
	Drawbar Pin Center Height			mm	320	320	320	320	
Floor Height			mm	845	845	845	845		
40 Under clearance			Min Full Load	mm	155	155	140	140	
41 Center of wheelbase				mm	185	185	185	185	
42 Brake			Service (Foot)		Hydraulic-Foot pedal	Hydraulic-Foot pedal	Hydraulic-Foot pedal	Hydraulic-Foot pedal	
43 Parking					Mechanical - Hand lever	Mechanical - Hand lever	Mechanical - Hand lever	Mechanical - Hand lever	
45 Battery			Voltage / Capacity (5HR)	V/AH	2x 12V / 60AH	2x 12V / 60AH	2x 12V / 60AH	2x 12V / 60AH	
49			Make / Model		MITSUBISHI / S6S	MITSUBISHI / S6S	MITSUBISHI / S6S	MITSUBISHI / S6S	
50			Rated Output / r.p.m		64.7kW / 2300r.p.m. : 88PS / 2300r.p.m.	64.7kW / 2300r.p.m. : 88PS / 2300r.p.m.	64.7kW / 2300r.p.m. : 88PS / 2300r.p.m.	64.7kW / 2300r.p.m. : 88PS / 2300r.p.m.	
51 Internal Combustion Engine			Max Torque / r.p.m.		284N·m / 1600r.p.m. : 29kgf·m / 1600r.p.m.	284N·m / 1600r.p.m. : 29kgf·m / 1600r.p.m.	284N·m / 1600r.p.m. : 29kgf·m / 1600r.p.m.	284N·m / 1600r.p.m. : 29kgf·m / 1600r.p.m.	
52			Number of Cylinders	Nm/r.&m	6	6	6	6	
			Displacement	cc	4996	4996	4996	4996	
			Fuel Tank Capacity	liter	115	115	115	115	
55 Transmission			Number of Speed Fwd. / Rvs-Type	Power shift T/M Manual shift T/M	2/1 - Automatic Power-shift T/M 2/2 - Manual shift T/M	2/1 - Automatic Power-shift T/M 2/2 - Manual shift T/M	2/1 - Automatic Power-shift T/M 2/2 - Manual shift T/M	2/1 - Automatic Power-shift T/M 2/2 - Manual shift T/M	
57 Operating Pressure			For Attachments	kg/cm ²	180	180	180	180	

NOTE : * Computed Values & subject to load condition

LOAD CHART



NOTE :

Capacities shown are computed with upright in vertical position.

Load center are determined front face of forks.

Capacities are based on a 1000mm 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 nameplates.

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

ML 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.

STANDARD SPECIFICATIONS

■ Wide View Mast VM

Mast Model	Rated Capacity								Max. Fork Height	Overall Mast Height						Tilting Angle	Service Weight			
	FD35T9 · C9		FD40T9 · C9		FD45T9 · C9		FD50T9			Lowered			Raised with Backrest				FD35T9(C9)	FD40T9(C9)	FD45T9(C9)	FD50T9
	Load Center		Load Center		Load Center		Load Center			FD35T9 · C9 FD40T9 · C9	FD45T9 · C9	FD50T9	FD35T9 · C9 FD40T9 · C9 FD45T9 · C9	FD50T9						
	500mm	600mm	500mm	600mm	500mm	600mm	500mm/600mm													
	kg	kg	kg	kg	kg	kg	kg	mm		mm	mm	mm	mm	mm	deg	kg	kg	kg	kg	
VM250	4000	3500	4500	4000	5000	4500	5000	2500	1980	1985	2110	3765	3920	6/10	6040 (6000)	6390 (6350)	6890 (6850)	7190		
VM300	4000	3500	4500	4000	5000	4500	5000	3000	2230	2235	2360	4265	4420	6/12	6100 (6060)	6450 (6410)	6960 (6920)	7260		
VM330	4000	3500	4500	4000	5000	4500	5000	3300	2380	2385	2510	4565	4720	6/12	6130 (6090)	6480 (6440)	7000 (6960)	7300		
VM350	4000	3500	4500	4000	5000	4500	5000	3500	2480	2485	2610	4765	4920	6/12	6150 (6110)	6500 (6460)	7020 (6980)	7320		
VM375	4000	3500	4500	4000	5000	4500	5000	3750	2605	2610	2735	5015	5170	6/6 / 6/12	6220 (6180)	6570 (6530)	7080 (7020)	7360		
VM400	4000	3500	4500	4000	5000	4500	5000	4000	2780	2785	2910	5265	5420	6/6 / 6/12	6270 (6230)	6620 (6580)	7160 (7120)	7460		
VM425	4000	3500	4500	4000	5000	4500	5000	4250	2905	2910	3035	5515	5670	6/6 / 6/12	6300 (6260)	6650 (6610)	7190 (7150)	7490		
VM450	4000	3500	4500	4000	5000	4500	5000	4500	3030	3035	3160	5765	5920	6/6 / 6/12	6320 (6280)	6670 (6630)	7210 (7170)	7510		
VM475	3500 *4000	3500	4000 *4500	4000	4800	4500	5000	4750	3155	3160	3285	6015	6170	6/6	6380 (6340)	6730 (6690)	7250 (7210)	7550		
VM500	3500 *3700	3500	4000 *4300	4000	4500 *4600	4500	5000	5000	3280	3285	3410	6265	6420	6/6	6400 (6360)	6750 (6710)	7280 (7240)	7580		
VM550	2800 *3300	2800 *3300	3200 *3900	3200 *3900	4000 *4400	4000 *4400	4000 *4400	5500	3580	3585	3710	6765	6920	3/6	6480 (6440)	6830 (6790)	7420 (7380)	7720		
VM600	2200 *3200	2200 *3200	2500 *3700	2500 *3700	3550 *4000	3550 *4000	3350 *4000	6000	3830	3835	3960	7265	7420	3/6	6530 (6490)	6880 (6840)	7480 (7440)	7780		