

# KOMATSU

Forklift Truck  
Pneumatic Tires  
Diesel/Gas

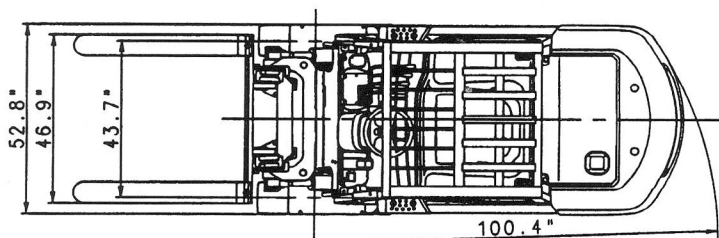
## SPECIFICATIONS

FG40ZT-7

FD40ZT-7

FG40ZT2-7

FD40ZT2-7



### MAST DATA

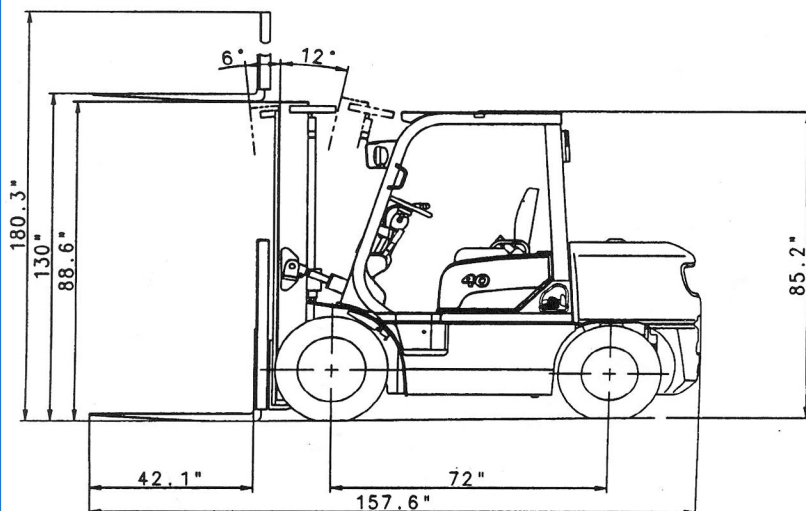
Maximum Fork Height in. (mm.)	Overall Height Lowered in. (mm.)	Overall Height Extended* in. (mm.)	Free* Lift in. (mm.)	Load Capacities** Lbs. (kg)
<b>TWO-STAGE</b>				
119 (3020)	86.5 (2200)	167.0 (4240)	7.0 (180)	8000 (3630)
131 (3330)	92.5 (2350)	179.0 (4545)	7.0 (180)	8000 (3630)
147 (3730)	100.5 (2550)	195.0 (4955)	7.0 (180)	8000 (3630)
158 (4010)	106.5 (2705)	206.0 (5230)	7.0 (180)	8000 (3630)
170 (4320)	112.5 (2855)	218.0 (5535)	7.0 (180)	8000 (3630)

### MAST DATA

Maximum Fork Height in. (mm.)	Overall Height Lowered in. (mm.)	Overall Height Extended* in. (mm.)	Free* Lift in. (mm.)	Load Capacities** Lbs. (kg)
<b>TWO-STAGE FULL FREE MAST</b>				
118 (3000)	88.8 (2255)	163.9 (4165)	40.6 (1030)	8000 (3630)
130 (3300)	94.7 (2405)	176.3 (4480)	46.5 (1180)	8000 (3630)
146 (3700)	102.6 (2605)	192.1 (4880)	54.4 (1350)	8000 (3630)
157 (4000)	110.2 (2800)	203.8 (5175)	62.1 (1575)	8000 (3630)

### MAST DATA

Maximum Fork Height in. (mm.)	Overall Height Lowered in. (mm.)	Overall Height Extended* in. (mm.)	Free* Lift in. (mm.)	Load Capacities** Lbs. (kg)
<b>THREE STAGE MAST</b>				
159 (4040)	79.5 (2019.3)	207 (5260)	31.5 (800.1)	8000 (3630)
171 (4345)	83.5 (2120.9)	219 (5560)	35.5 (900)	8000 (3630)
185 (4700)	88.5 (2247.9)	233 (5920)	40.5 (1030)	7700 (3500)
197 (5005)	92.5 (2349.5)	245 (6220)	44.5 (1130.3)	7500 (3400)
217 (5510)	99.5 (2527.3)	265 (6730)	51.5 (1310)	6200 (2800)
237 (6019.8)	106.5 (2705.1)	285 (7240)	58.5 (1485)	4630 (2100)



\* Data of Extended Overall Height and Free Lift include height of 48" load backrest.

\*\* Load capacity at 24" (610mm) load center with standard tread.

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**Note:** Some items and components shown in the photo may be optional equipment.

# TRUCK DATA

## General Specifications

Model		FG40ZT-7	FG40ZT2-7	FD40ZT-7	FD40ZT2-7
Capacity @ 24-in. (610 mm) load center	Lb. (kg)	8,000 (6,630)			
Power plant type		Gasoline		Diesel	
Number of wheels (front-wheel drive)		2/2			
Service weight	Lb. (kg)	12,400 (5,625)		12,800 (5,805)	
DIMENSIONS					
Height to overhead guard	in. (mm.)	85.2 (2,165)			
Lowered Mast Height (2-stage)	in. (mm.)	88.6 (2,250)			
Extended Mast Height (83in. 2-stage)	in. (mm.)	180.3 (4,580)			
Maximum Fork Height (83in. 2-stage)	in. (mm.)	130 (3,300)			
Free lift height (2-stage masts)	in. (mm.)	6.7 (170)			
Length to face of forks (2-stage masts)	in. (mm.)	115.5 (2,935)			
Length to face of forks (3-stage masts)	in. (mm.)	116.5 (2,960)			
Overall width	in. (mm.)	52.8 (1,340)			
Tilting angle (2-stage masts) (fwd/back)	degree (°)	6/12			
Tilting angle (3-stage masts) (fwd/back)	degree (°)	6/6			
Outside Turning Radius	in. (mm.)	100.4 (2,550)			
Load dist. from center axle (2-stage)	in. (mm.)	20.1 (510)			
Load dist. from center axle (3-stage)	in. (mm.)	21.1 (535)			
Right angle stacking aisle (2-stage) + LL**	in. (mm.)	120.5 (3,060) +LL			
Right angle stacking aisle (3-stage) + LL**	in. (mm.)	121.5 (3,085) +LL			
PERFORMANCE					
Max. travel speed, forward, loaded	mph (km/h)	11.8 (19.0)	13.4 (21.5)	11.2 (18.0)	12.4 (20)
Max. travel speed, forward, unloaded	mph (km/h)	12.7 (20.5)	14.3 (23)	12.1 (19.5)	13.7 (22)
Lifting speeds, loaded/unloaded 2-stage	fpm(mm/s)	86/94 (440/480)		90/94 (460/480)	
Lifting speeds, loaded/unloaded 3-stage	fpm(mm/s)	84/90 (430/460)		88/92 (450/470)	
Lowering speeds, loaded/unloaded 2-stage	fpm(mm/s)	88/88 (450/450)			
Lowering speeds, loaded/unloaded 2-stage	fpm(mm/s)	82/73 (420/370)			
Maximum drawbar pull	lbs. (kN)	6,410 (28.5)	8,810 (39.2)	7,230 (32.2)	9,760 (43.4)
Gradeability, loaded/unloaded	percent (%)	32/21	47/21	35/21	52/21
CHASSIS AND WHEELS					
Tire size, front		250-15-16PR(1)			
Tire size, rear		7.00-12-12PR(1)			
Wheel base	in. (mm.)	72.0 (1,830)			
Tread (center of tires) front/rear	in. (mm.)	43.7/44.1 (1,110/1,120)			
Ground clearance under mast	in. (mm.)	5.5 (140)			
Ground clearance center of frame	in. (mm.)	6.7 (170)			
Service brake type		Hydraulic			
Parking brake type		Mechanical			
Steering type		Full Hydraulic Power Steering			
POWER TRAIN					
Engine model		TB42		6D102E	
Rated power (SEA gross)	HP(KW) @ rpm	88 (65)@2,300		95 (71)@2,150	
Max. torque (SEA gross)	lb-ft (N-m) @ rpm	203 (275)@1,900		253 (343)@1,500	
No. of cylinder/displacement	cu. in. (cu-cm)	6/254 (4,169)		6/359 (5,889)	
Cylinder bore x stroke	in. (mm.)	3.8 x 3.8 (96 x 96)		4 x 4.7 (102 x 120)	
Fuel tank capacity	US gallons (litres)	23 (85)			
Air cleaner type		Cyclone			
Battery voltage/capacity (20-hour rating)	V/Ah	12/60		24/70	
Clutch type		Torque Converter			
Transmission type		TORQFLOW			
Maximum hydraulic pressure	psi (bar)	2,650 (181)			
Hydraulic tank capacity	US gallons (litres)	15 (55)			

\*\*LL = Load Length

**Note:** Most values shown in this publication are rounded. Therefore, direct conversion between metric and English or Imperial may be slightly different from those shown.

# KOMATSU

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