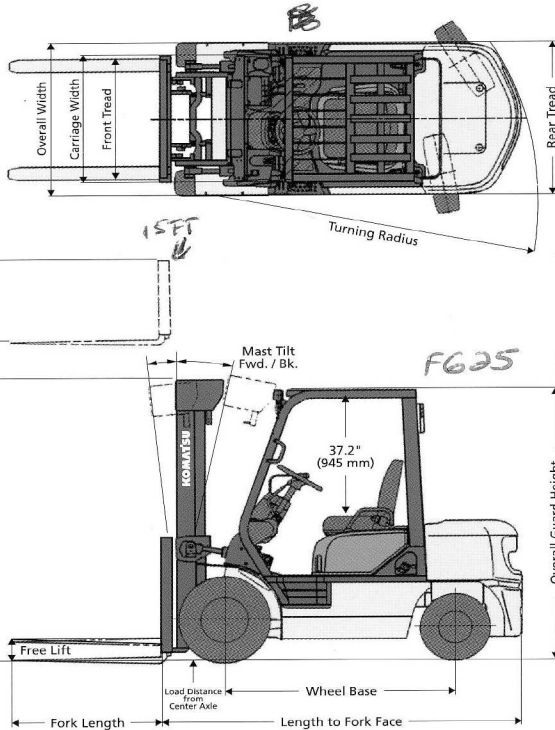


MAST DATA



NOTE: Specifications for Komatsu 4-Stage Heavy Duty Masts are not indicated. Please consult your Komatsu Forklift USA dealer for information and availability.

MAST DATA

Maximum Fork Height in. (mm)	Overall Height [†] Lowered in. (mm)	Overall Height [†] Extended [†] in. (mm)	Free [†] Lift in. (mm)
FG(D)20/25(C)(H)(T)-12			
2-STAGE FREE VIEW			
106.0 (2,690)	74.5 (1,890)	154.0 (3,910)	5.5 (140)
116.0 (2,945)	79.5 (2,020)	164.0 (4,165)	5.5 (140)
128.0 (3,250)	85.5 (2,170)	176.0 (4,470)	5.5 (140)
2-STAGE FULL FREE VIEW			
106.0 (2,690)	74.5 (1,890)	154.0 (3,910)	26.5 (670)
116.0 (2,945)	79.5 (2,020)	164.0 (4,165)	31.5 (800)
128.0 (3,250)	85.5 (2,170)	176.0 (4,470)	37.5 (950)
3-STAGE FULL FREE VIEW "EZview"			
170.5 (4,330)	79.5 (2,020)	218.5 (5,550)	31.5 (775)
188.5 (4,790)	85.5 (2,170)	236.5 (6,010)	37.5 (950)
198.5 (5,040)	89.5 (2,275)	246.5 (6,260)	41.5 (1,055)
216.5 (5,500)	97.5 (2,475)	264.5 (6,720)	49.5 (1,255)
235.5 (5,980)	106.5 (2,705)	283.5 (7,200)	58.5 (1,485)
FG(D)30(C)(H)(T)-12			
2-STAGE FREE VIEW			
106.0 (2,690)	74.5 (1,890)	154.0 (3,910)	5.5 (140)
116.0 (2,945)	79.5 (2,020)	164.0 (4,165)	5.5 (140)
128.0 (3,250)	85.5 (2,170)	176.0 (4,470)	5.5 (140)
2-STAGE FULL FREE VIEW			
106.5 (2,705)	75.5 (1,920)	154.5 (3,925)	27.5 (700)
114.5 (2,945)	79.5 (2,020)	162.5 (4,130)	31.5 (800)
128.5 (3,265)	86.5 (2,200)	176.5 (4,485)	38.5 (980)
3-STAGE FULL FREE VIEW "EZview"			
162.5 (4,130)	78.5 (1,995)	210.5 (5,350)	30.5 (775)
183.5 (4,660)	85.5 (2,170)	231.5 (5,880)	37.5 (950)
190.5 (4,840)	88.5 (2,250)	238.5 (6,060)	40.5 (1,030)
211.5 (5,370)	97.5 (2,475)	259.5 (6,590)	49.5 (1,255)
230.5 (5,855)	106.5 (2,705)	278.5 (7,075)	58.5 (1,485)

KOMATSU PROVEN ABILITY FEATURES

Komatsu Proven Ability is Komatsu's ability to eclipse the competition by taking the complicated and making it simple. We strive to provide innovative solutions using the technologies of tomorrow – today.



SPECIAL FEATURES

- ✓ The H20-II and H25 industrial engines deliver exceptional power and reliable operation for enhanced productivity and fuel efficiency.
- ✓ The Komatsu 4D94E diesel delivers high horsepower and torque at low engine revolutions for responsiveness and quiet operation
- ✓ Hydraulic suspension compartment (HSC) greatly reduces operator fatigue by isolating the compartment from engine and traveling vibrations.
- ✓ Swing up engine bonnet and lift out floor plate provide quick access for daily checks and maintenance.
- ✓ Open steps and assist hand grip make entry and exit easier.
- ✓ Dash display provides easy to read information to the operator and maintenance personnel.

STANDARD EQUIPMENT

- ✓ Back-up, Turn Signal, Tail & Stop Lights
- ✓ Charge Warning Lamp
- ✓ Dash Display – Fuel, Water Temperature and Hourmeter Gauges
- ✓ Drawbar Pin
- ✓ Electronic Ignition; Anti-Restart Ignition Switch
- ✓ Engine Oil Pressure Warning Lamp
- ✓ Engine Key Stop (Diesel)
- ✓ Fully Hydrostatic Power Steering (FHPS)
- ✓ High Air Intake in OHG
- ✓ Horn
- ✓ Headlights

- ✓ Hydraulic Suspension Compartment (HSC)
- ✓ Load Backrest
- ✓ Operator Restraint System with Lap Belts
- ✓ Overhead Guard (ANSI)
- ✓ Sedimeter (Diesel)
- ✓ Tilttable Steering Column
- ✓ Torque Converter Oil Cooler (TORQFLOW)

OPTIONAL EQUIPMENT

- ☐ Warning Devices – Audible
- ☐ Warning Devices – Visual
- ☐ Auxiliary Hydraulic Valve
- ☐ Internal Hydraulic Hosing
- ☐ Attachments
- ☐ Additional Length Forks

TRUCK DATA

GENERAL		* * *		* * *	
Model		FG25HT-12	FD25T-12	FG30C-12	FG30HT-12
Capacity @ 24-in. (600 mm) load center*	lbs. (kg)	5,000 (2,270)	5,000 (2,270)	6,000 (2,720)	6,000 (2,720)
Power plant type		Gasoline	Diesel	Gasoline	Gasoline
Number of wheels, front/rear	(x= driven)	2x /2	2x /2	2x /2	2x /2
Service weight	lbs. (kg)	8,155 (3,700)	8,390 (3,805)	9,340 (4,235)	9,460 (4,290)
Forks: thickness x width x length	in. (mm)	1.6 (40) x 3.9 (100) x 42.1 (1,070)	1.6 (40) x 3.9 (100) x 42.1 (1,070)	2.0 (50) x 4.9 (125) x 42.1 (1,070)	2.0 (50) x 4.9 (125) x 42.1 (1,070)
Carriage width/ITA class	in. (mm)	41 (1,040)/II	41 (1,040)/II	41 (1,040)/III	41 (1,040)/III
DIMENSIONS					
Height to overhead guard	in. (mm)	81.5 (2,070)	81.5 (2,070)	82.3 (2,090)	82.3 (2,090)
Lowered mast height (2-stage std. mast)	in. (mm)	85.5 (2,170)	85.5 (2,170)	85.5 (2,170)	85.5 (2,170)
Extended mast height (2-stage std. mast)†	in. (mm)	176.0 (4,470)	176.0 (4,470)	176.0 (4,470)	176.0 (4,470)
Maximum fork height (2-stage std. mast)**	in. (mm)	128.0 (3,250)	128.0 (3,250)	128.0 (3,250)	128.0 (3,250)
Free lift height (2-stage mast)†	in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
Length to face of forks (2-stage masts)	in. (mm)	101.8 (2,585)	101.8 (2,585)	106.1 (2,695)	106.1 (2,695)
Length to face of forks (3-stage masts)	in. (mm)	101.8 (2,585)	101.8 (2,585)	106.5 (2,705)	106.5 (2,705)
Overall width	in. (mm)	45.3 (1,150)	45.3 (1,150)	48.6 (1,235)	48.6 (1,235)
Tilting angle, 2-stage masts (fwd/back)	degrees (°)	6/12	6/12	6/12	6/12
Tilting angle, 3-stage masts (fwd/back)	degrees (°)	6/5	6/5	6/5	6/5
Outside turning radius	in. (mm)	89.0 (2,260)	89.0 (2,260)	93.7 (2,380)	93.7 (2,380)
Load dist. from center axle (2-stage)	in. (mm)	17.9 (455)	17.9 (455)	18.7 (475)	18.7 (475)
Load dist. from center axle (3-stage)	in. (mm)	17.9 (455)	17.9 (455)	19.1 (485)	19.1 (485)
Rt. angle stacking aisle (2-stage masts) + load length	in. (mm)	106.9 (2,715)	106.9 (2,715)	112.4 (2,855)	112.4 (2,855)
Rt. angle stacking aisle (3-stage masts) + load length	in. (mm)	106.9 (2,715)	106.9 (2,715)	112.8 (2,865)	112.8 (2,865)
PERFORMANCE					
Maximum travel speed, forward, loaded	mph (km/h)	10.9 (17.5)	9.9 (16.0)	11.2 (18.0)	11.2 (18.0)
Maximum travel speed, forward, unloaded	mph (km/h)	11.8 (19.0)	11.2 (18.0)	12.1 (19.5)	12.1 (19.5)
Lifting speeds, loaded/unloaded (2-stage)	fpm (mm/s)	114/128 (580/650)	118/122 (600/620)	96/118 (490/600)	104/122 (530/620)
Lifting speeds, loaded/unloaded (3-stage)	fpm (mm/s)	108/122 (550/620)	116/118 (590/600)	96/114 (490/580)	102/118 (520/600)
Lowering speed, loaded/unloaded (2-stage)	fpm (mm/s)	98/79 (500/400)	98/79 (500/400)	96/83 (490/420)	96/83 (490/420)
Lowering speed, loaded/unloaded (3-stage)	fpm (mm/s)	94/77 (480/390)	94/77 (480/390)	94/77 (480/390)	94/77 (480/390)
Maximum drawbar pull	lbs. (kN)	4,740 (21.1)	4,520 (20.1)	3,000 (13.3)	4,630 (20.6)
Gradability, loaded/unloaded	percent (%)	34/22	31/22	20/16	27/20
CHASSIS AND WHEELS					
Tire size, front	in.	7.00-12-12PR(I)	7.00-12-12PR(I)	8.15-15-14PR(I)	8.15-15-14PR(I)
Tire size, rear	in.	6.00-9-10PR(I)	6.00-9-10PR(I)	6.50-10-10PR(I)	6.50-10-10PR(I)
Wheelbase	in. (mm)	65.0 (1,650)	65.0 (1,650)	65.0 (1,650)	65.0 (1,650)
Tread (center of tires), front/rear	in. (mm)	38.0/37.8 (965/960)	38.0/37.8 (965/960)	39.6/38.0 (1,005/965)	39.6/38.0 (1,005/965)
Ground clearance, under mast	in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)
Ground clearance, center of frame	in. (mm)	6.7 (170)	6.7 (170)	7.5 (190)	7.5 (190)
Service brake type		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Parking brake type		Mechanical	Mechanical	Mechanical	Mechanical
Steering type		Hydraulic	Hydraulic	Hydraulic	Hydraulic
POWER TRAIN					
Engine model		H25	4D94E	H20-II	H25
Rated power (SAE gross)	HP (kw) @ rpm	60 (44.5) @ 2,400	65 (48) @ 2,450	48.5 (36) @ 2,450	60 (44.5) @ 2,400
Maximum torque (SAE gross)	lb-ft (N-m) @ rpm	141 (191) @ 1,600	141 (191) @ 1,800	116 (157) @ 1,600	141 (191) @ 1,600
No. of cylinder/displacement	cu. in. (cm ³)	4/151 (2,472)	4/170 (2,775)	4/121 (1,982)	4/151 (2,472)
Cylinder bore x stroke	in. (mm)	3.6 x 3.7 (92 x 93)	3.7 x 3.9 (94 x 100)	3.4 x 3.3 (87.2 x 83)	3.6 x 3.7 (92 x 93)
Fuel tank capacity	US gallons (liters)	14.6 (55)	14.6 (55)	14.6 (55)	14.6 (55)
Air cleaner type		Cyclone	Cyclone	Cyclone	Cyclone
Battery voltage/capacity (20-hour rating)	V/Ah	12/41	12/100	12/41	12/41
Clutch type		Torque converter	Torque converter	Dry clutch	Torque converter
Transmission type		TORQFLOW	TORQFLOW	Synchromesh	TORQFLOW
Maximum hydraulic pressure	psi (bar)	2,650 (181)	2,650 (181)	2,650 (181)	2,650 (181)
Hydraulic tank capacity	US gallons (liters)	13.7 (52)	13.7 (52)	13.7 (52)	13.7 (52)

NOTE: Most values shown in this publication are rounded. Therefore, direct comparisons, and higher lifting heights may result in derating of the capacity. Contact dealer. The performance of machines is affected by the condition of the vehicle and hoist and standard mast heights. Contact dealer. critical or if your needs exceed the specifications shown here, discuss the proposals with your dealer.