

26. TECHNICAL DATA

SPECIFICATIONS - CX MODEL FORKLIFT TRUCKS (cont.)

GENERAL		FG45T-8	FG45T2-8	FD45T-8	FD45T2-8
Power Type		Gasoline		Diesel	
Operation Type		Sit-Down			
Capacity @ 24 in. (600 mm) load center *	lbs (kg)	10,000 (4,535)			
Load distance from center axle (2-stage mast)	in. (mm)	21.5 (545)			
Load distance from center axle (3-stage mast)	in. (mm)	21.5 (545)			
Wheelbase	in. (mm)	78.7 (2,000)			
WEIGHT					
Service weight (includes 2-stage std. mast & forks)	lbs (kg)	14,730 (6,680)		15,110 (6,855)	
TIRE					
Tire type		Pneumatic			
Tire size, front		300-15-18PR (I)			
Tire size, rear		7.00-12-12PR (I)			
Number of wheel, front / rear	x = driven	2x / 2			
Tread (center of tires), front / rear	in. (mm)	45.3 (1,150) / 44.1 (1,120)			
DIMENSIONS					
Tilting angle, 2-stage (FV) masts, forward / backward	deg.	6 / 12			
Tilting angle, 3-stage (TFV) masts, forward / backward	deg.	6 / 6			
Mast height, lowered (2-stage std. mast)	in. (mm)	95.0 (2,415)			
Mast height, extended (2-stage std. mast) ***	in. (mm)	178.0 (4,520)			
Maximum fork height (2-stage std. mast) **	in. (mm)	130.0 (3,300)			
Free lift height (2-stage std. mast)	in. (mm)	7.0 (180)			
Height overhead guard	in. (mm)	88.8 (2,225)			
Length to fork face (2-stage mast)	in. (mm)	124.0 (3,150)			
Length to fork face (3-stage mast)	in. (mm)	124.0 (3,150)			
Overall width, at drive tires	in. (mm)	57.1 (1,450)			
Forks, thickness x width x length	in. (mm)	2.0 x 6.0 x 42.0 (50 x 150 x 1,070)			
Carriage width / ITA Class	in. (mm)	46.9 (1,190) / III			
Ground clearance, under mast	in. (mm)	5.5 (140)			
Ground clearance, center of wheelbase	in. (mm)	8.7 (220)			
Right angle stacking aisle (2-stage mast) ****	in. (mm)	130.9 (3,325)			
Right angle stacking aisle (3-stage mast) ****	in. (mm)	130.9 (3,325)			
Turning radius, outside	in. (mm)	109.5 (2,780)			
PERFORMANCE					
Travel speed, forward, loaded/unloaded	mph (km/h)	11.2 (18.0) / 12.1 (19.5)	14.6 (23.5) / 16.2 (26.0)	10.9 (17.5) / 11.8 (19.0)	13.7 (22.0) / 15.2 (24.5)
Lifting speeds, loaded/unloaded (2-stage mast)	fpm (mm/s)	95 (480) / 97 (490)		91 (460) / 95 (480)	
Lifting speeds, loaded/unloaded (3-stage mast)	fpm (mm/s)	91 (460) / 93 (470)		85 (430) / 91 (460)	
Lowering speed, loaded/unloaded (2-stage mast)	fpm (mm/s)	95 (480) / 85 (430)		89 (450) / 89 (450)	
Lowering speed, loaded / unloaded (3-stage mast)	fpm (mm/s)	91 (460) / 81 (410)			
Maximum drawbar pull, loaded	lbs (kN)	6,610 (29.4)	8,165 (36.3)	6,890 (30.6)	8,440 (37.5)
Maximum gradeability, loaded/unloaded at 1 mph	%	26 / 21	32 / 31	29 / 21	35 / 21
Service brake, operation / control		Foot / Hydraulic			
Parking brake, operation / control		Hand / Mechanical			
Steering, type		Hydrostatic, Power			
DRIVE					
Battery voltage / capacity (20 hour rating)	V/Ah	12 / 60		24 / 70	
Engine model		TB45E		S6D102E	
Rated output (SAE Gross)	HP (kW) @ rpm	95 (71) @ 2400		95 (71) @ 2150	
Maximum torque (SAE Gross)	lb-ft (Nm) @ rpm	203 (275) @ 1600		275 (372) @ 1000	
No. of cylinder / displacement	cu. in. (cm ³)	6 / 273 (4,478)		6 / 359 (5,880)	
Cylinder bore x stroke	in. (mm)	3.9 (99.5) x 3.8 (96)		4.0 (102) x 4.7 (120)	
Fuel tank capacity	U.S. gallons (liters)	26.4 (100)			
OTHER					
Relief pressure, maximum	psi (bar)	2,700 (186)			
Hydraulic tank capacity	U.S. gallons (liters)	14.5 (55)			
Clutch		Torque converter			
Transmission		Powershift			
Air cleaner type		Cyclone			
NOTE: Most values shown in this table are rounded. Therefore, direct conversion between metric and English or Imperial may be slightly different from those shown. The performance of machines is affected by the condition of the vehicle and how it is equipped as well as the nature and condition of the operating area. If these specifications are critical or if your needs exceed the specifications shown here, discuss the proposed application with your authorized dealer.					
*Optional masts, attachments, longer load dimensions, and higher lifting heights may result in derating of the capacity. Contact your authorized dealer.					
**Other mast heights available. Contact your authorized dealer.					
***Includes 48-inch (1,220 mm) high load backrest. Contact your authorized dealer.					
**** Add load length and clearance. Contact your authorized dealer.					