

KOMATSU®

RATED OUTPUT
FD250-7 Gross: 165 kW 221 HP / 2200 min⁻¹
Net: 154 kW 207 HP / 2200 min⁻¹

CAPACITY
25000 kg

FD250-7

FD
250



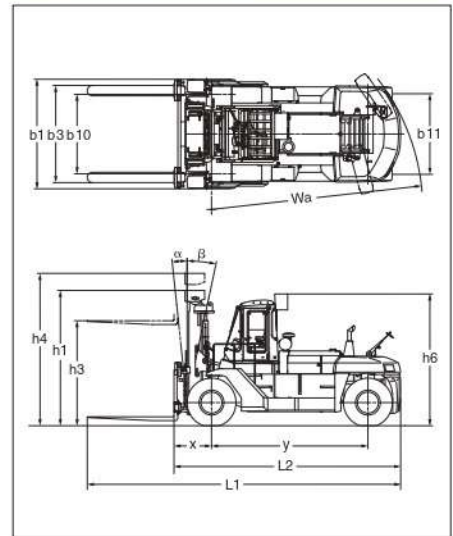
DIESEL FORKLIFT TRUCKS

SPECIFICATIONS

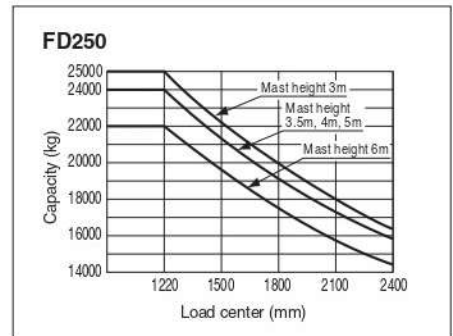
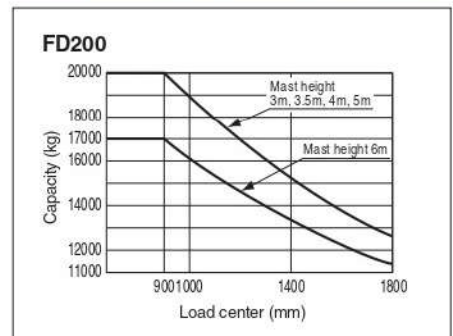
SPECIFICATIONS

Characteristics	1.2	Model	Manufacturer's Designation		FD250-7		
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, Cable		Diesel		
	1.4	Operation Type			Sitting		
	1.5	Rated Capacity	Q	Rated Capacity	kg	25000	
	1.6	Load Center	c	Rated Load Center	mm	1220	
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	955 [1060]	
	1.9	Wheelbase	y		mm	4400	
	Weight	2.1	Service Weight			kg	32850 [33500]
		2.2	Axle Loading	Loaded	Front	kg	53100
2.2.1		Rear			kg	4750	
2.3		Unloaded		Front	kg	15755	
2.3.1				Rear	kg	17095	
Tires	3.1	Tire Type			Pneumatic		
	3.2	Tire Size	Front	14.00-24-24PR			
	3.3		Rear	14.00-24-24PR			
	3.5	Number of Wheel	Front/Rear (x=driven)		4x/2		
	3.6	Tread, Front	b10	mm	2230		
	3.7	Tread, Rear	b11	mm	2265		
	Dimensions	4.1	Tilting Angle	a / b	Forward/Backward	degree	6/12
4.2		Mast Height, Lowered	h1	2-stage Mast	mm	4050	
4.3		Std. Free Lift	h2	2-stage Std. Mast, from Ground	mm	0	
4.4		Std. Lift Height	h3	2-stage Std. Mast, from Ground	mm	3500	
4.5		Mast Height, Extended	h4	2-stage Std. Mast	mm	5810	
4.7		Height, Overhead Guard	h6		mm	3705	
4.19		Length, with Std. Forks	L1		mm	8695 [8800]	
4.20		Length, to Fork Face	L2		mm	6275 [6380]	
4.21		Width, at Tire	b1		mm	3095	
4.22		Forks	s/e/l	Thickness x Width x Length	mm	107 x 310 x 2420 [107 x 310 x 2420]	
4.24		Width, Fork Carriage	b3		mm	2500 [2760]	
4.31		Ground Clearance	m1	Under Mast	mm	305	
4.32			m2	at Center of Wheelbase	mm	395	
4.33	Right Angle Stacking Aisle*	Ast	plus load length	mm	6805 [6910]		
4.35	Turning Radius	Wa		mm	5850		
Performance	5.1	Travel Speed (FWD)	Loaded	km/h	24		
			Unloaded	km/h	32		
	5.2	Lifting Speed	Loaded	mm/s	275		
			Unloaded	mm/s	285		
	5.3	Lowering Speed	Loaded	mm/s	350		
			Unloaded	mm/s	350		
	5.6	Max. Drawbar Pull	Loaded 1.5 km/h, 3 min rating		kN	103	
	5.8	Max. Gradeability	Loaded 1.5 km/h, 3 min rating		%	18	
5.10	Service Brake	Operation/Type			Foot/Wet Disc Brake		
5.11	Parking Brake	Operation/Control			Hand/Mechanical		
5.12	Steering	Type			Power Steering		
6.4	Battery	Voltage/Capacity at 5-hour rating		V/Ah	24/88		
I.C Engine	7.1	Make			KOMATSU		
	7.2	Model			SAA6D107E-1		
	7.2	Rated Output, SAE net			kW	154	
	7.3	Rated RPM			min ⁻¹	2200	
	7.3.1	Max. Torque, SAE net			Nm/min ⁻¹	931/1500	
	7.4	No. of Cylinder/Displacement			cm ³	6/6690	
7.6	Fuel Tank Capacity			L	600		
Others	8.2	Relief Pressure for Attachment			Mpa	20.6	
	8.2.1	Hydraulic tank Capacity			L	475	
	8.7	Transmission				TORQFLOW	

DIMENSIONS



LOAD CAPACITY CURVE



* : Right Angle Stacking Aisle does not include any operational clearance.

[] : Value of hydraulic fork positioner with side shift function

MAXIMUM LOAD AND OVERALL HEIGHT OF MAST BY LIFTING HEIGHT

2-stage free view mast

maximum fork height (mm)	model	Load capacity (kg)	Overall height [Lowered / Extended] (mm)
		FD250-7 (load center 1220 mm)	FD250-7
3500		24000	4050/5810