

16 – 23 Ton Pneumatic Truck Series

Engine Powered Forklifts

Diesel

16,000 – 23,000 kg. Capacities | Pneumatic Tire

Control:

Your products deserve pure precision.
We put it at your fingertips.



Three-Speed Automatic Transmission

With an automotive-style transmission, your operators can expect a smoother ride while being able to focus more on moving product.

Control At Your Fingertips

1 Finger-Touch Shift Lever
2 Drive Mode Selections
3 Constant Travel Speed
4 Combined Light Lever
5 Integrated Instrument Panel



Reliability:

Your forklift needs To be Ready when you need it. Uptime is Not Optional.



Powerful Engine

125kW (170PS) / 2,200 RPM
(SAE Gross 170HP / 2,200 RPM)

With the quality you expect from Unicarriers® products and the strength you need for your rugged applications – this engine is built for productivity.

Improved Drawbar Pull And Gradeability

119kN (12,100 kgf / 26,680 lbf)
20% (11.5° slope)

Strength isn't just measured in capacity. And maneuverability isn't measured in turning radius. The FD Series trucks look at all the ways that you need to get the job done.

Larger Fuel Tank

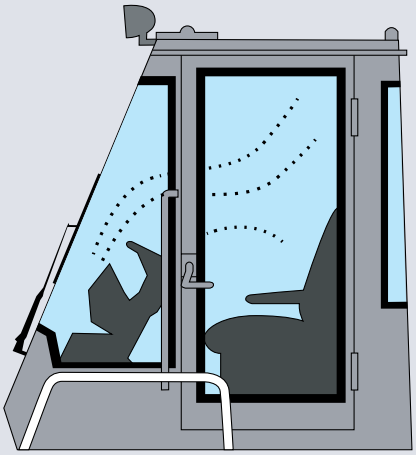
With a fuel tank capacity of 400 liters, 100 liters more than similar trucks, these models can run longer without stopping to refuel.

Comfort:

Your operator should be as productive at the end of the shift as at the beginning.

Driving a forklift can be both physically and mentally fatiguing, which can impact the health and well-being of your operators, the safety of your facility and the productivity of your operations. That's why UniCarriers incorporates proven, ergonomic designs throughout our forklifts to optimize the comfort, visibility and performance of your operators.





Deluxe Multifunctional Driver Suspension Seat

This optional seat fully adjusts to operators of almost any size. Able to slide forward and backward, adjust up and down and with turnable functions, this seat features heavy-duty comfort.

Large Capacity Air Conditioner

4,000 kcal/h

This option helps keep your operators cool even in the middle of the most demanding shifts.

Safety: Your Heavy-Duty Forklift should protect its operator, its load and itself.



See More:

The optional pillar-less cab adds 10% more visibility to conventional cab models. With an better view of the cargo, safer load handling and even traveling becomes an option.



Better Rear Visibility

With a newly designed counterweight, visibility toward the back has been substantially improved.



Brakes

Electric Parking Brake – with a soft-touch electric switch.

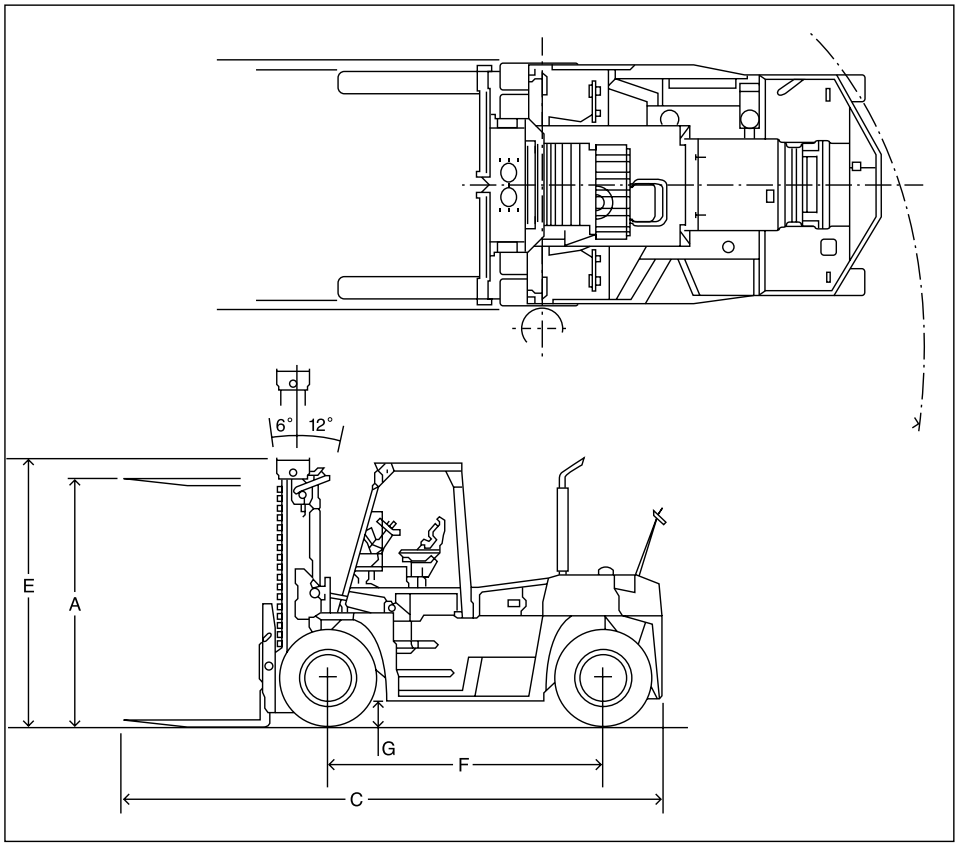
Wet-Disc Parking Brake – No pad adjustments mean reduced maintenance costs and increased dependability.

Standard Brake Line with an Air Dryer – dry pressurized air helps lower the chance of brake malfunctions and freezing of the brake line.

Specifications (Diesel)

					FD160-2		FD180-2		FD200-2	
CHARACTERISTICS	1	Load capacity at rated load center	lb	*kg*	35,000	*16,000*	40,000	*18,000*	44,000	*20,000*
	2	Rated load center – distance from fork face	in	*mm*	36	*900*	36	*900*	36	*900*
	3	Power voltage			Diesel		Diesel		Diesel	
	4	Tire type – drive / steer			Pneumatic		Pneumatic		Pneumatic	
	5	Wheels – number front / rear (x=driven)			4x/2		4x/2		4x/2	
DIMENSIONS	6	Maximum fork height – standard triplex mast	in	*mm*	118.1	*3,000*	118.1	*3,000*	118.1	*3,000*
	7	Free fork height – standard triplex mast	in	*mm*						
	8	Fork width	in	*mm*	9.8	*250*	10.2	*260*	10.2	*260*
	9	Fork thickness	in	*mm*	3.5	*90*	3.9	*100*	3.9	*100*
	10	Fork spacing – out-to-out (min.)	in	*mm*	31.1	*790*	31.9	*810*	31.1	*810*
	11	Fork spacing – out-to-out (max.)	in	*mm*	108.3	*2,750*	108.3	*2,750*	108.3	*2,750*
	12	Tilt angle – forward / backward	degree		6 / 12		6 / 12		6 / 12	
	13	Overall Length – with fork	in	*mm*	282.1	*7,165*	283.7	*7,205*	283.7	*7,205*
	14	Overall Length – without fork	in	*mm*	209.6	*5,325*	211.2	*5,365*	211.2	*5,365*
	15	Overall chassis width	in	*mm*	116.9	*2,970*	117.7	*2,990*	120.5	*3,060*
	16	Overall lowered height (mast)	in	*mm*	129.5	*3,290*	127.8	*3,545*	140.7	*3,575*
	17	Overall lowered height to top of overhead guard	in	*mm*	127.0	*3,225*	128.1	*3,255*	129.3	*3,285*
	18	Overall height with extended mast	in	*mm*						
	19	Step height	in	*mm*						
	20	Load moment constant [2]	in	*mm*						
	21	Minimum outside turning radius [3]	in	*mm*	196.9	*5,000*	196.9	*5,000*	202.8	*5,150*
PERFORMANCE	22	Travel speed – loaded / empty	mph	*km/h*	21.1	*34*	21.1	*34*	21.2	*34*
	23	Lift speed – loaded (triplex) (mast lift)	fpm	*m/s*	64.9	*330*	57.1	*290*	56.1	*285*
	26	Steering System			Full hydrostatic power steering		Full hydrostatic power steering		Full hydrostatic power steering	
WEIGHTS	27	Truck weight – empty	lb	*kg*	49,600	*22,510*	55,200	*25,040*	60,100	*27,260*
	28	Battery weight (minimum)	lb	*kg*						
	29	Battery weight (maximum)	lb	*kg*						
WHEELS / CHASSIS	30	Chassis type (stand / sit)			Sit		Sit		Sit	
	31	Wheelbase [4]	in	*mm*	143.7	*3,650*	143.7	*3,650*	143.7	*3,650*
	32	Ground clearance	in	*mm*	11.8	*300*	10.8	*275*	12.0	*305*
	33	Tire size	inches		12.00-24-18PR		13.00-24-20PR		14.00-24-24PR	
	34	Brake type – service			Air-over-hydraulic disc brake		Air-over-hydraulic disc brake		Air-over-hydraulic disc brake	
	35	Brake type – parking			Built in transmission, wet multiple disc brake		Built in transmission, wet multiple disc brake		Built in transmission, wet multiple disc brake	
ENGINE / TRANSMISSION	36	Engine Model			ISUZU 6BG1T Diesel		ISUZU 6BG1T Diesel		ISUZU 6BG1T Diesel	
	37	Displacement	in^3	*lit*	396.3	*6.494*	396.3	*6.494*	396.3	*6.494*
	38	Rated Output / Engine Speed			125kW (170PS) 2,200 RPM		125kW (170PS) 2,200 RPM		125kW (170PS) 2,200 RPM	
	39	SAE Gross			127kW (170HP) / 2,200 RPM		127kW (170HP) / 2,200 RPM		127kW (170HP) / 2,200 RPM	
	40	Maximum Torque			537N m (54.8kgf m) / 1800r.p.m.		537N m (54.8kgf m) / 1800r.p.m.		537N m (54.8kgf m) / 1800r.p.m.	
	41	Transmission Type			Automatic power-shift transmission		Automatic power-shift transmission		Automatic power-shift transmission	
	42	Transmission Speeds			3 - 3 (Fwd / Rvs)		3 - 3 (Fwd / Rvs)		3 - 3 (Fwd / Rvs)	

	FD230-2	
1	*50,000*	*23,000*
2	*36*	*900*
3	Diesel	
4	Pneumatic	
5	4x/2	
6	*118.1*	*3,000*
7		
8	*12.2*	*310*
9	*3.8*	*98*
10	*37.4*	*950*
11	*108.3*	*2,750*
12	6 / 12	
13	*314.6*	*7,990*
14	*218.3*	*5,545*
15	*120.5*	*3,060*
16	*140.9*	*3,580*
17	*129.1*	*3,280*
18		
19		
20		
21	*210.6*	*5,350*
22	*19.9*	*32*
23	*45.3*	*230*
26	Full hydrostatic power steering	
27	*67,800*	*30,760*
28		
29		
30	Sit	
31	*143.7*	*3,650*
32	*11.4*	*290*
33	14.00-24-24PR	
34	Air-over-hydraulic disc brake	
35	Built in transmission, wet multiple disc brake	
36	ISUZU 6BG1T Diesel	
37	396.3	*6.494*
38	125kW (170PS) 2,200 RPM	
39	127kW (170HP) / 2,200 RPM	
40	537N m (54.8kgf m) / 1800r.p.m.	
41	Automatic power-shift transmission	
42	3 - 3 (Fwd / Rvs)	



UNICARRIERS® FORKLIFT

UniCarriersAmericas.com

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