

UNICARRIERS[®]

□ F O R K L I F T □



PFG40NT-PFD55NT Series

Engine Powered Forklifts

Diesel and Gas/LP Fuel

4.0 – 5.5 Ton Capacities | Pneumatic Tire



PFG/PFD Series Applications

The FD160-2 – FD230-2 Series is the our most powerful family of forklifts — bringing new levels of efficiency and reliability to operations such as:

- Lumber • Steel And Pipe • Fabricated Metals
- Concrete, Stone, Clay And Glass • Industrial Machinery And Equipment





NEVER QUIT.

It defines our forklifts and the company that builds them.

Over the course of a century, the company known as UniCarriers took shape. As we grew and evolved into a US manufacturer with a global reach in nearly 100 countries worldwide, much has changed, but one thing hasn't: our mission. UniCarriers is committed to providing you with the ultimate in reliability, performance, and value.



Control

These heavy-duty IC pneumatic tire forklifts deliver amazing performance inside and out



Reliability

Discover reliability features that can cut downtime and help keep your business up and running



Comfort

Let your drivers feel the benefits from our comfort & productivity features



Safety

Safety is everybody's business, and the FD Series is all business when it comes to safety



To learn more, and a find a dealer near you, visit UniCarriersAmericas.com



Control:

YOUR PRODUCTS DESERVE PURE PRECISION.
WE PUT IT AT YOUR FINGERTIPS.

These forklifts are the rugged workhorses of any fleet. They're ideal for demanding applications on almost any surface. What makes them unique is that combined with all that power and durability is precision controls and cabin ergonomics – keeping your product protected and your operator productive.

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.

Adjustable Steering

The forklift's steering column is equipped with standard memory tilt steering. Allowing for infinite adjustment in as 12 degree range, the steering column's 'memory' feature retains the operator's preferred settings for added convenience and comfort during operation.





Reliability:

YOUR FORKLIFT NEEDS TO BE READY WHEN YOU NEED IT. UPTIME IS NOT OPTIONAL.



Innovative Engine

Rugged lift trucks require high-performance engines to help carry the load. This lift truck series is designed to work in tough conditions, while maintaining excellent fuel efficiency with less noise and vibration.

Engine Protection

Regulated by the Vehicle Control Module, the Engine Protection System keeps the truck running at desirable levels while helping to prevent damage to the forklift, saving you money. If the vital fluids become critically low, the operator is immediately notified by a light on the dash display.

Easy Service Access

Tool-free access to the engine compartment makes routine maintenance, such as cleaning radiator fins, much easier.



Comfort:

YOUR OPERATOR SHOULD BE AS PRODUCTIVE
AT THE END OF THE SHIFT AS AT THE BEGINNING.

A number of features are built into the lift truck to help minimize noise and vibration for greater operator comfort and productivity.

- Rubber-mounted key components
- A fully-insulated engine hood
- Helical transmission gears
- Internal wheel wells
- Hydraulic accumulator in the transmission control valve



Ergonomic Seat

This forklift series features seats with adjustable forward and backward movement, added side support in the back cushion and seat belt, creating a comfortable work environment for operators of varying heights. An optional full-suspension seat is available on these forklifts for additional support during long shifts.

Comfortable Operator Compartment

With three-point access, operators of any size can easily enter the operator compartment of these forklift trucks. The large floor space provides maximum operator comfort, especially during long shifts, while the “through the floor” pedal design further reduces operator fatigue and discomfort throughout the day.





Safety:

YOUR HEAVY-DUTY FORKLIFT SHOULD PROTECT ITS OPERATOR, ITS LOAD AND ITSELF.



Operator Visibility

The design of the forklift allows for excellent visibility in all directions during operation. And with a low-profile counterweight, and narrow mast channels, obstructions are kept to a minimum.



Brakes

Electric Parking Brake – with a push/pull switch.

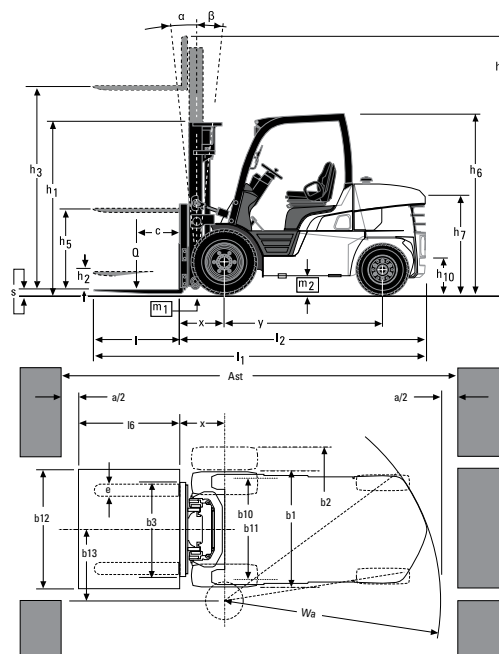
Wet-Disc Parking Brake – No pad adjustments mean reduced maintenance costs and proven dependability.

Specifications

CHARACTERISTICS										
					PFD40NT		PFD45NT		PFD50CNT	
1	Rated capacity		lb	kg	8,000	4,000	9,900	4,500	11,000	5,000
2	Load center		in	mm	20	500	20	500	20	500
3	Power				Diesel		Diesel		Diesel	
4	Tire type V= solid, L=pneumatic, SE= solid pneumatic - front / rear				L / L		L / L		L / L	
5	Wheels				2x / 2		2x / 2		2x / 2	
DIMENSIONS										
6	Maximum fork height (BOF)		in	mm	130	3,300	130	3,300	130	3,300
7	Free lift		in	mm	6	150	6	150	6	150
8	Forks – thickness x width x length		in	mm	2.0 x 5.9 x 48.0	50 x 150 x 1,220	2.0 x 5.9 x 48.0	50 x 150 x 1,220	2.0 x 5.9 x 48.0	50 x 150 x 1,220
9	Fork spacing – out-to-out minimum / maximum		in	mm	47	1,190	47	1,190	47	1,190
10	Tilt – forward / backward		deg		6 / 12		6 / 12		6 / 12	
11	Load distance, axle to fork face		in	mm	23	577	23	577	23	582
12	Overall width		in	mm	55.7 / 77.4	1,415 / 1,965	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965
13	Overall length		in	mm	166	4,220	171	4,350	173	4,390
14	Overall mast height (mast lowered)		in	mm	91	2,320	91	2,320	94	2,400
15	Seat effective height		in	mm	43	1,082	43	1,082	43	1,082
16	Height to top of overhead guard		in	mm	89	2,250	89	2,250	89	2,250
17	Overall height (mast extended with backrest)		in	mm	174	4,430	174	4,430	174	4,430
18	Minimum turning radius		in	mm	102	2,580	107	2,730	109	2,760
20	Working aisle width with 1,000 x 1,200 mm pallets, crosswise		in	mm	172	4,357	177	4,507	179	4,542
20a	Working aisle width with 800 x 1,200 mm pallets, lengthwise		in	mm	164	4,157	170	4,307	171	4,342
PERFORMANCE										
21	Speeds	travel speed – loaded / empty	mph	km/h	13.4 / 13.7	21.5 / 22.0	13.0 / 22.0	21.0 / 22.0	13.0 / 22.0	21.0 / 22.0
22		lift speed – loaded / empty	fpm	m/s	108.3 / 120.1	0.55 / 0.61	108.3 / 120.1	0.55 / 0.61	92.5 / 104.3	0.47 / 0.53
23		lowering speed – loaded / empty	fpm	m/s	98.4 / 98.4	0.5 / 0.5	98.4 / 98.4	0.5 / 0.5	98.4 / 98.4	0.5 / 0.5
26	Gradeability	1 mph (1.6 km) loaded / empty	%		29 / 26		26 / 27		24 / 26	
27	Acceleration time (10 meters) loaded / empty		s		4.20 / 3.70		4.52 / 3.87		4.52 / 3.87	
WEIGHT										
28	Total weight (unloaded –incl. battery (simplex)		lb	kg	13,050	5,920	13,955	6,330	15,100	6,850
29	Axle load	with rated load front / rear	lb	kg	19,750 / 2,115	8,960 / 960	21,400 / 2,490	9,710 / 1,130	23,369 / 2,756	10,600 / 1,250
30		without load front / rear	lb	kg	5,800 / 7,250	2,630 / 3,290	6,130 / 7,825	2,780 / 3,550	6,393 / 8,708	2,900 / 3,950
CHASSIS										
31	Tire size	front, single	in		8.25-15-14PR		300-15-18PR		300-15-18PR	
33		rear	in		7.00-12-12PR		7.00-12-12PR		7.00-12-12PR	
34	Wheelbase		in	mm	73	1,850	79	2,000	79	2,000
35	Tread	front, single	in	mm	46	1,175	46	1,175	46	1,175
37		rear	in	mm	46	1,180	46	1,180	46	1,180
38	Under clearance	at mast	in	mm	6	150	6	150	6	150
39		at center of wheelbase, loaded	in	mm	9	227	9	227	9	227
40	Brakes	service			Hydraulic		Hydraulic		Hydraulic	
POWERTRAIN										
41	Type of drive control				Powershift 2/1		Powershift 2/1		Powershift 2/1	
42	Engine	model			S6S		S6S		S6S	
43		rated output	HP	kW	77.1	57.5	77.1	57.5	77.1	57.5
45		maximum torque	lb-ft	N-m	–	–	–	–	–	–
47		cylinder / displacement	cu in	L	6	4,996	6	4,996	6	4,996
51	Relief pressure for attachments		psi	bar	2,770	191	2,770	191	2,770	191
52	Noise (CEN)		dB(A)		84		84		84	

	PFD50NT		PFD55NT	
1	11,000	5,000	12,125	5,500
2	24	600	24	600
3	Diesel		Diesel	
4	L / L		L / L	
5	2x / 2		2x / 2	
6	130	3,300	130	3,300
7	6	160	6	160
8	2.4 x 5.9 x 48.0	60 x 150 x 1,220	2.4 x 5.9 x 48.0	60 x 150 x 1,220
9	47	1,190	47	1,190
10	6 / 12		6 / 12	
11	24	602	24	602
12	57.5 / 77.4	1,460 / 1,965	57.5 / 77.4	1,460 / 1,965
13	178	4,530	180	4,580
14	94	2,400	94	2,400
15	43	1,082	43	1,082
16	89	2,250	89	2,250
17	174	4,430	180	4,580
18	114	2,890	116	2,940
20	185	4,692	187	4,742
20	177	4,492	179	4,542
21	13.0 / 22.0	21.0 / 22.0	13.0 / 22.0	21.0 / 22.0
22	92.5 / 104.3	0.47 / 0.53	92.5 / 104.3	0.47 / 0.53
23	98.4 / 98.4	0.5 / 0.5	98.4 / 98.4	0.5 / 0.5
26	23 / 27		21 / 25	
27	4.52 / 3.87		4.52 / 3.87	
28	16,095	7,300	16,845	7,640
29	24,295 / 2,820	11,020 / 1,280	25,880 / 3,085	11,740 / 1,400
30	7,098 / 8,995	3,220 / 4,080	6,989 / 9,855	3,170 / 4,470
31	300-15-18PR		300-15-18PR	
33	7.00-12-14PR		7.00-12-14PR	
34	85	2,150	85	2,150
35	46	1,175	46	1,175
37	46	1,180	46	1,180
38	6	150	6	150
39	9	227	9	227
40	Hydraulic		Hydraulic	
41	Powershift 2/1		Powershift 2/1	
42	S6S		S6S	
43	77.1	57.5	77.1	57.5
45	—	—	—	—
47	6	4,996	6	4,996
51	2,770	191	2,770	191
52	84		84	

$Ast = Wa + x + l6 + a$
 Ast = Working aisle width with load
 a = Safety clearance (200 mm)
 $l6$ = Pallet length (800 or 1000 mm)
 $b12$ = Pallet width (1200 mm)



NOTE: These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Logisnext Americas Inc. (See ANSI/ITSDF B56.1.) Also be advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

Specifications

CHARACTERISTICS					PFG40NT		PFG45NT		PFG50CNT		
1	Rated capacity		lb	kg	8,800	4,000	9,900	4,500	11,000	5,000	
2	Load center		in	mm	20	500	20	500	20	500	
3	Power				Gas / LPG		Gas / LPG		Gas / LPG		
4	Tire type V= solid, L=pneumatic, SE= solid pneumatic - front / rear				L / L		L / L		L / L		
5	Wheels				2x / 2		2x / 2		2x / 2		
DIMENSIONS											
6	Maximum fork height (BOF)		in	mm	130	3,300	130	3,300	130	3,300	
7	Free lift		in	mm	6	150	6	150	6	150	
8	Forks – thickness x width x length		in	mm	2.0 x 5.9 x 48.0	50 / 150 / 1,220	2.0 x 5.9 x 48.0	50 / 150 / 1,220	2.0 x 5.9 x 48.0	50 / 150 / 1,220	
9	Fork spacing – out-to-out minimum / maximum		in	mm	47	1,190	47	1,190	47	1,190	
10	Tilt – forward / backward		deg		6 / 12		6 / 12		6 / 12		
11	Load distance, axle to fork face		in	mm	118	3,000	123	3,130	125	3,170	
12	Overall width		in	mm	55.7 x 77.4	1,415 / 1,965	57.5 x 77.4	1,460 / 1,965	57.5 x 77.4	1,460 / 1,965	
13	Overall length		in	mm	166	4,220	171	4,350	173	4,390	
14	Overall mast height (mast lowered)		in	mm	91	2,320	91	2,320	94	2,400	
15	Seat effective height		in	mm	43	1,082	43	1,082	43	1,082	
16	Height to top of overhead guard		in	mm	89	2,250	89	2,250	89	2,250	
17	Overall height (mast extended with backrest)		in	mm	154	3,920	154	3,920	157	4,000	
18	Minimum turning radius		in	mm	102	2,580	107	2,730	109	2,760	
20	Working aisle width with 1,000 x 1,200 mm pallets, crosswise		in	mm	172	4,357	177	4,507	179	4,542	
20a	Working aisle width with 800 x 1,200 mm pallets, lengthwise		in	mm	164	4,157	170	4,307	171	4,342	
PERFORMANCE											
21	Speeds	travel speed – loaded / empty	mph	km/h	13.7 / 13.9	22.0 / 22.5	13.7 / 13.9	22.0 / 22.5	13.7 / 13.9	22.0 / 22.5	
22		lift speed – loaded / empty	fpm	m/s	112.2 / 118.1	0.57 / 0.60	112.2 / 118.1	0.57 / 0.60	96.5 / 102.4	0.49 / 0.52	
23		lowering speed – loaded / empty	fpm	m/s	98.4 / 98.4	0.50 / 0.50	98.4 / 98.4	0.50 / 0.50	98.4 / 98.4	0.50 / 0.50	
26	Gradeability	1 mph (1.6 km) loaded / empty	%		30 / 26		27 / 26		25 / 25		
27	Acceleration time (10 meters) loaded / empty		s		- / -		- / -		- / -		
WEIGHT											
28	Total weight (unloaded –incl. battery (simplex))		lb	kg	12,919	5,860	13,823	6,270	14,947	6,780	
29	Axle load	with rated load front / rear	lb	kg	18,717 / 2,028	8,940 / 920	21,340 / 2,403	9,680 / 1,090	23,302 / 2,667	10,570 / 1,210	
30		without load front / rear	lb	kg	5,754 / 7,165	2,610 / 3,250	6,062 / 7,760	2,750 / 3,520	6,327 / 8,642	2,870 / 3,920	
CHASSIS											
31	Tire size	front, single	in		8.25-15-14PR		300-15-18PR		300-15-18PR		
33		rear	in		7.00-12-14PR		7.00-12-14PR		7.00-12-14PR		
34	Wheelbase		in	mm	73	1,850	79	2,000	79	2,000	
35	Tread	front, single	in	mm	46	1,175	46	1,175	46	1,175	
37		rear	in	mm	46	1,180	46	1,180	46	1,180	
38	Under clearance	at mast	in	mm	6	150	6	150	6	150	
39		at center of wheelbase, loaded	in	mm	9	227	9	227	9	227	
40	Brakes	service			Hydraulic		Hydraulic		Hydraulic		
POWERTRAIN											
41	Type of drive control				Powershift 2/1		Powershift 2/1		Powershift 2/1		
42	Engine	model				GCT GK45		GCT GK45		GCT GK45	
43		rated output	HP	kW	96.6	72	96.6	72	96.6	72	
45		maximum torque	lb-ft	N-m	212 / 1,280	288 / 1,600	212 / 1,280	288 / 1,600	212 / 1,280	288 / 1,600	
47		cylinder / displacement	cu in	L	6	4,452	6	4,452	6	4,452	
51	Relief pressure for attachments			psi	bar	2,770	191	2,770	191	2,770	191
52	Noise (CEN)		dB(A)		84		84		84		

	PFG50NT		PFG55NT	
1	11,000	5,000	12,125	5,500
2	24	600	24	600
3	Gas / LPG		Gas / LPG	
4	L / L		L / L	
5	2x / 2		2x / 2	
6	130	3,300	130	3,300
7	6	160	6	160
8	2.4 x 5.9 x 48.0	60 / 150 / 1,220	2.4 x 5.9 x 48.0	60 / 150 / 1,220
9	47	1,190	X47X	1,190
10	6 / 12		6 / 12	
11	130	3,310	132	3,360
12	57.5 x 77.4	1,460 / 1,965	57.5 x 77.4	1,460 / 1,965
13	178	4,530	180	4,580
14	94	2,400	94	2,400
15	43	1,082	43	1,082
16	89	2,250	89	2,250
17	157	4,000	157	4,000
18	114	2,890	116	2,940
20	185	4,692	187	4,742
20	177	4,492	179	4,542
21	13.7 / 13.9	22.0 / 22.5	13.4 / 13.9	21.5 / 22.5
22	96.5 / 102.4	0.49 / 0.52	96.5 / 102.4	0.49 / 0.52
23	98.4 / 98.4	0.50 / 0.50	98.4 / 98.4	0.50 / 0.50
26	23/26		22 / 25	
27	- / -		- / -	
28	15,961	7,240	16,689	7,570
29	24,228 / 2,755	10,990 / 1,250	25,816 / 2,998	11,710 / 1,360
30	7,032 / 8,928	3,190 / 4,050	6,900 / 9,788	3,130 / 4,440
31	300-15-18PR		300-15/8.00	
33	7.00-12-14PR		7.00-12/5.00	
34	85	2,150	85	2,150
35	46	1,175	46	1,175
37	46	1,180	46	1,180
38	6	150	6	150
39	9	227	9	227
40	Hydraulic		Hydraulic	
41	Powershift 2/1		Powershift 2/1	
42	GCT GK45		GCT GK45	
43	96.6	72	96.6	72
45	212 / 1,280	288 / 1,600	212 / 1,280	288 / 1,600
47	6	4,452	6	4,452
51	2,770	191	2,770	191
52	84		84	



Reliability.

It's the defining trait of our company and our forklifts.



UniCarriers' roots extend back over 100 years, and over that time, strong, reliable performance has always been the hallmark of our organization, our people and our equipment.

Today, our unrivaled reliability continues to provide UniCarriers' customers with a competitive edge. And together, we move the merchandise that moves world commerce with greater efficiency, economy and reliability.

When it comes to providing forklifts that make a difference for our customers and theirs...



We Never Quit.

UNICARRIERS®
FORKLIFT
UniCarriersAmericas.com



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