

# PF30N - PF70N/ PFD40N-PFD70N Series



## Engine-Powered Forklifts

Dual Fuel: Gas/LP and Diesel  
pneumatic Tire  
3,000 - 7,000 lbs. Capacities



**UNI CARRIERS**  
[ FORKLIFT ]

# NEVER QUIT.

YOUR JOB DOESN'T STOP, AND NEITHER SHOULD YOUR FORKLIFTS.  
THAT'S WHERE WE COME IN.

Your application isn't just picking product from aisles upon aisles. There's rough terrain, rain and dirt and moving that product where it needs to go all while operators have tons of other tasks that still need doing to keep the business moving.

Flexibility is the name of the game.  
And that's where the PF/PFD excels.

Power:

Gas/LPG and Diesel

Maneuverability:

Tight turning and stable control features for confident handling

Environment:

Suitable for mixed indoor/outdoor use, including docks and uneven surfaces

Travel Distance:

Long or short runs with travel speed that supports both short shuttles and longer facility routes

Lift:

Max fork height of 130" in.



## PF/PFD Series In Your Application

Performance, reliability, control, safety and comfort – the PF/PFD incorporates them all to excel in a wide-range of fast-paced industrial applications, such as:

- Building & Hardware Materials
- Chemicals & Allied Products
- Trucking & Warehousing
- Wholesale Trade

# Performance:

YOUR APPLICATION DESERVES BOTH POWER AND EFFICIENCY.

# Reliability:

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

## Power at Your Hands

Our EK21 and EK25 dual gasoline/LP engines are engineered for industrial applications while providing power and greater torque at lower RPMs. This truck series also offers our 4EG diesel engine, which provides additional power while exceeding the EPA's tier 4 emission requirements..

## Built for Durability

This PF truck series is built with a durable steel frame which allows for maximum rigidity and durability while maintaining a lower center of gravity. We also integrated our rugged powershift transmission, which has a track record for its quality and reliability. Additionally, our drive axle, which has a full-floating layout that can carry more weight than a semi-floating or non-floating axle assembly, adds additional durability.



## Get Access

Service access to this truck is easily accessible without tools. This includes a rear hinged engine cover, removable floor plate, radiator cover, and steel side covers.

## Protect your Truck and your Time

The Engine Protection System (EPS) immediately notifies the operator of any issues or failures in the engine. This early alert and notification system can help avoid expensive and lengthy repairs resulting in less downtime and reduced cost of ownership.

## Longer Preventative Maintenance Intervals

Improved 800-hour engine oil maintenance intervals means less money spent on maintenance and less downtime for the truck.

## Max your uptime with the LPMax System

The LPMax system provides a low LP fuel level warning to operator an average of 8 mins before the LP tank is empty.



# Safety:

YOUR STAND-UP COUNTERBALANCE SHOULD PROTECT ITS OPERATOR, ITS LOAD AND ITSELF.

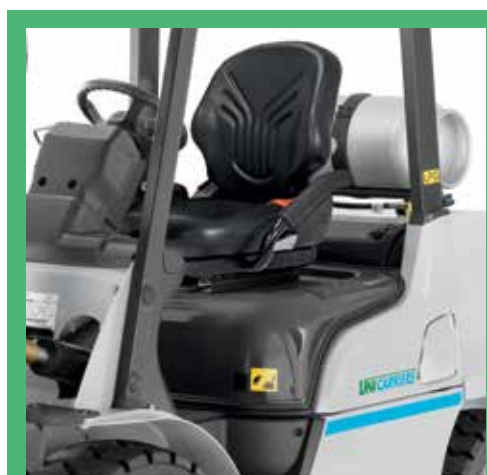
## Operator Presence System (OPS)

The OPS reacts to whether the operator is in the proper operating position. When the operator is not in the seated position, the system automatically stops powered travel movement and hydraulic functions of the truck.



## Look at the View (Optional)

OptiView® Mast is a triplex mast without a central free lift cylinder. The cylinders are located inside the inner mast rails, which provides excellent visibility. This visibility provides a wide viewing area for load handling efficiency.



## One-Piece Overhead Guard

The overhead guard is constructed using a welded one-piece design, which is engineered to provide excellent rigidity and durability.



# Comfort:

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

## Premium Display Panel

Premium Display Panel provides the operator with crucial information about the truck through 10 different highly visible LCD notifications.



## Take a Seat

Standard premium full suspension Grammer seat is ergonomically designed to provide first class comfort with several adjustments for long comfortable hours of operations. Seat also comes with standard orange belt.

## Swing-Out LP Bracket

This series comes with standard Swing-Out bracket to allow easy removal of the LP tank. There is also an optional Swing-Down bracket which allows you to change the LP tank with even more ease. \*This option is available for use with both 33.5 lb and 43.5 lb. LP tanks.



## Take Control

Ground speed control, a standard feature for gas/LP models of this series, limits the max travel speed of the truck without limiting lift performance.



## Single Handle Control Lever

This UniCarriers exclusive feature allows for simultaneous lift and tilt functions for increased productivity and operator efficiency.

# Control:

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



## Control at your Fingertips

The optional ergonomic fingertip control armrest enables precise load control via an adjustable ultra-comfortable support with easy movement and ergonomic hand positioning.



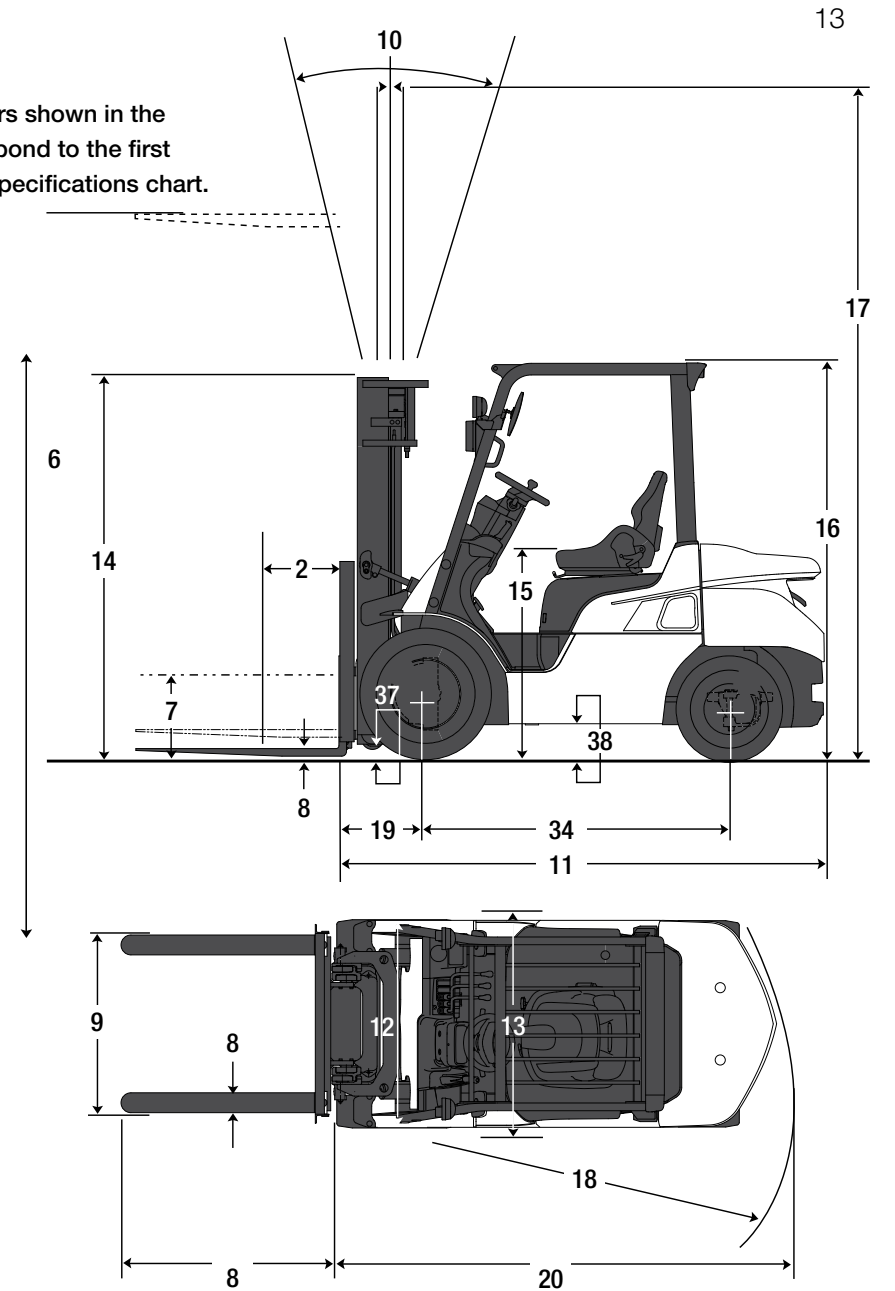
# Specifications

Characteristics			PFD40N		PFD50N		PFD60N		PFD70N	
1	Capacity at rated load center	lb / kg	4,000 / 2,000	5,000 / 2,500	6,000 / 3,000	7,000 / 3,500				
2	Capacity at load center – distance	in / mm	24 / 500	24 / 500	24 / 500	24 / 500				
3	Power – electric, diesel, gasoline or LP gas		diesel	diesel	diesel	diesel				
4	Tire type – cushion or pneumatic		pneumatic	pneumatic	pneumatic	pneumatic				
5	Wheels (x=driven) – number front / rear		2x / 2	2x / 2	2x / 2	2x / 2				
Dimensions			PFD40N		PFD50N		PFD60N		PFD70N	
6	Maximum fork height (top of fork) <sup>1)</sup>	in / mm	131.5 / 3,340	131.5 / 3,340	130.5 / 3,315	131.5 / 3,340				
7	Free fork height <sup>1)</sup>	in / mm	5.5 / 140	5.5 / 140	5.7 / 145	5.5 / 140				
8	Forks – thickness x length x width <sup>1)</sup>	in / mm	1.6x42.0x3.9 / 40x 1,070x 100	1.6x42.0x3.9 / 40x 1,070x 100	1.8x42.0x4.9 / 45x 1,070x 125	1.6x42.0x3.9 / 40x 1,070x 100				
9	Fork spacing – out-to-out minimum / maximum	in / mm	8.7 / 39.4 / 2220 / 1,000	8.7 / 39.4 / 2220 / 1,000	9.8 / 39.4 / 250 / 1,000	8.7 / 39.4 / 2220 / 1,000				
10	Tilt – forward / backward	deg	6° / 10°	6° / 10°	6° / 10°	6° / 10°				
11	Length to fork face	in / mm	98.0 / 2,490	100 / 2,550	107 / 2,720	110 / 2,790				
12	Width – with single drive tires	in / mm	45.3 / 1,150	45.3 / 1,150	50.2 / 1,275	50.8 / 1,290				
13	Width – with dual drive tires		64.6 / 1,640	64.6 / 1,640	67.5 / 1,715	67.5 / 1,715				
14	Height – with lowered mast <sup>1)</sup>	in / mm	84.5 / 2,145	84.5 / 2,145	85.5 / 2,165	90.5 / 2,299				
15	Seat height to SIP	in / mm	44.8 / 1,137	44.8 / 1,137	46.7 / 1,187	46.7 / 1,187				
16	Height – to top of overhead guard	in / mm	82.9 / 2,105	82.9 / 2,105	83.7 / 2,125	84.3 / 2,140				
17	Height – with extended mast <sup>1)</sup>	in / mm	180 / 4,564	180 / 4,564	178.5 / 4,536	180 / 4,566				
18	Minimum outside turning radius	in / mm	86.6 / 2,200	87.8 / 2,230	93.7 / 2,380	96.1 / 2,440				
19	Load moment constant	in / mm	17.9 / 455	17.9 / 455	19.3 / 490	19.5 / 495				
20	Minimum aisle – 90° stack – zero clearance without a load	in / mm	105 / 2,655	106 / 2,685	113 / 2,870	116 / 2,935				
Performance			PFD40N		PFD50N		PFD60N		PFD70N	
21	Travel speed – loaded / empty	mph / km/h	10.3 / 11.2 / 16.5 / 18.0	10.3 / 10.9 / 16.5 / 17.5	9.9 / 10.9 / 16.0 / 17.5	10.3 / 11.2 / 16.5 / 18.0				
22	Lift speed – loaded / empty	fpm / m/s	120 / 126 / 0.61 / 0.64	120 / 126 / 0.61 / 0.64	96.5 / 100 / 0.49 / 0.51	120 / 126 / 0.61 / 0.64				
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	98.4 / 98.4 / 0.50 / 0.50				
24	Drawbar pull – loaded at 1 mph (1.6 km)	lb / N	3,960 / 17,600	3,960 / 17,600	3,960 / 17,600	3,620 / 16,100				
25	Drawbar pull – loaded maximum	lb / N	4,520 / 20,100	4,520 / 20,100	4,540 / 20,200	4,140 / 18,400				
26	Gradeability – loaded at 1 mph (1.6 km)	%	36.0	31.0	26.0	21.0				
27	Gradeability – maximum loaded	%	42.0	37.0	30.0	24.0				
Weight			PFD40N		PFD50N		PFD60N		PFD70N	
28	Empty	lb / kg	7,540 / 3,420	8,210 / 3,720	9,640 / 4,370	10,590 / 4,800				
29	Axle load – with rated load front / rear	lb / kg	10,340 / 1,610 / 4,690 / 730	11,650 / 1,560 / 5,490 / 730	13,890 / 1,750 / 6,550 / 820	15,500 / 2,130 / 7,300 / 1,000				
30	Axle load – without load front / rear	lb / kg	3,310 / 4,230 / 1,500 / 1,920	3,260 / 4,950 / 1,480 / 2,240	3,920 / 5,720 / 1,770 / 2,600	3,820 / 6,770 / 1,730 / 3,070				
Chassis			PFD40N		PFD50N		PFD60N		PFD70N	
31	Tire size – front, standard	in	7.0 x 12 - 12PR	7.0 x 12 - 12PR	28 x 9 x 15 - 12PR	250 x 15 - 16PR				
32	Tire size – optional duals	in	7.0 x 12 - 12PR	7.0 x 12 - 12PR	28 x 9 x 15 - 12PR	28 x 9 x 15 - 12PR				
33	Tire size – rear tires	in	6.0 x 9 - 10PR	6.0 x 9 - 10PR	6.5 x 10 - 10PR	6.5 x 10 - 12PR				
34	Wheelbase	in / mm	63.0 / 1,600	63.0 / 1,600	66.9 / 1,700	66.9 / 1,700				
35	Tread width – front (standard / optional duals)	in / mm	37.8 / 47.4 / 960 / 1,205	37.8 / 47.4 / 960 / 1,205	41.7 / 47.2 / 1,060 / 1,200	41.7 / 47.2 / 1,060 / 1,200				
36	Tread width – rear tires	in / mm	38.6 / 980	38.6 / 980	38.6 / 980	38.6 / 980				
37	Ground clearance – at lowest point at mast	in / mm	4.6 / 117	4.6 / 117	5.4 / 136	5.7 / 146				
38	Ground clearance – at center of wheelbase	in / mm	6.6 / 167	6.6 / 167	7.4 / 189	8.0 / 202				
39	Service brake		foot-operated, hydraulic	foot-operated, hydraulic	foot-operated, hydraulic	foot-operated, hydraulic				
40	Parking brake		hand, mechanical	hand, mechanical	hand, mechanical	hand, mechanical				
Powertrain			PFD40N		PFD50N		PFD60N		PFD70N	
41	Engine model		4EG	4EG	4EG	4EG				
42	Engine – continuous output S.A.E. gross	HP / kW	48.0 / 36.0	48.0 / 36.0	48.0 / 36.0	48.0 / 36.0				
43		at rpm	2,250	2,250	2,250	2,250				
44	Engine – maximum torque S.A.E. gross	lb-ft / N-m	131 / 177	131 / 177	131 / 177	131 / 177				
45		at rpm	1,800	1,800	1,800	1,800				
46	Cylinder / displacement	cu in / L	4 / 203 / 4 / 3.3	4 / 203 / 4 / 3.3	4 / 203 / 4 / 3.3	4 / 203 / 4 / 3.3				
47	Transmission – type		powershift	powershift	powershift	powershift				
48	Transmission – number of speeds forward / reverse		1 / 1	1 / 1	1 / 1	1 / 1				
49	Battery	volts	12	12	12	12				
50	Relief pressure for attachments	psi / bar	2,610 / 180	2,610 / 180	2,610 / 180	2,610 / 180				
51	Noise level – mean value at operator's ear Leq	dB(A)	75.5	75.5	75.5	75.5				

1) Heights with listed forks on standard two-stage mast. Optional forks will change dimensions slightly.

**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.

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.



## Safety Standards

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1.

UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only. Availability: Types G/LP and D standard. Types GS/LPS and DS optional. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation, and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks — type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your Unicarriers lift truck dealer for further information, including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements. Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

<sup>\*</sup>Lift with standard two-stage mast

<sup>\*\*</sup>This varies depending upon the model selection and the tire type.

# Reliability.

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



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

Which brand do you trust?  
The one you never have to think about.

**We Never Quit.**



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