UNICARRIERS. FORKLIFT



Engine Powered Forklifts

LP and Dual Fuel 3,000 - 8,000 lbs. Capacities | Cushion Tire



CF Series Applications

Powered by our GCT GK21 and GK25 engines, the CF truck series sets the standard for performance, using less fuel and delivering more cycles per hour in a variety of demanding applications that include:

Manufacturing
 Warehousing
 Recycling
 Beverage/Bottling
 Trucking







Look for these symbols for features available only on UniCarriers forklifts or that provide a proven performance advantage as compared to competitive trucks.



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.

And that commitment can be seen in the CF Truck Series. Powered by our legendary GK21 and GK25 industrial engines, our rugged CF forklifts deliver greater torque and horsepower, reduce CO, HC and NOx exhaust emissions, and come standard with some of the most advanced performance, security and operator comfort features available anywhere. Plus, it's all backed by the best standard, limited warranty in the business.



Up Your UpTime

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



Comfort Zone

Your drivers and your entire operation will benefit from our comfort & productivity features



Power & Performance

You'll find amazing efficiency, reliability and performance in our GK21 and GK25 engines



Sweet Savings

The CF Series is designed to deliver you a low cost of ownership year after year after year



Play It Safe

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



First-Class Control

You're in complete control when it comes to managing costs and productivity



Make It Yours

Already well appointed, CF Series can be customized to meet your specific needs



To learn more, and a find a dealer near you, visit LogisnextAmericas.com/UniCarriers



Up Your Up Time

When it comes to keeping your operation up and running, the CF truck series offers you significant advantages, beginning with a reliable cooling design, service reminders and longer maintenance intervals. Throughout the CF truck series you'll find innovative and proven protection and warning systems to help you maximize uptime, while minimizing cost.

Longer Preventative Maintenance Intervals

With the CF truck series, most major service intervals are only required every 800 hours, reducing labor and lowering your operating costs.



The display of the CF series includes standard warnings, like an air cleaner light (if clogging occurs) and low coolant level. You'll find common sense features like these come as standard equipment on our forklifts but not on our competitors'.

Trained technicians can program service interval alerts for each unit in operation through the display panel. Drivers are notified when scheduled maintenance is required.



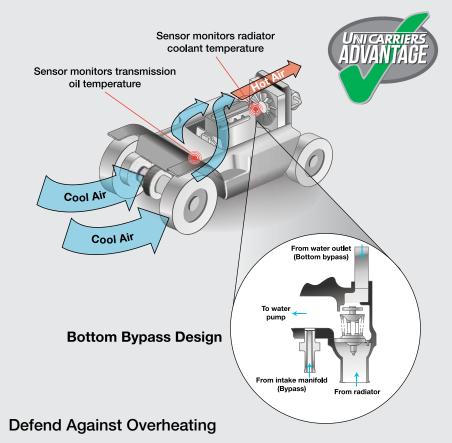
With our simplified LP replacement system, an optional bracket swings out 90°, then pulls down to a manageable height, for faster, easier tank replacement. Not available on all models.







Keep your starter and battery healthy with a starter protects the forklift's starting **system** by restricting repeated attempts to start the engine when

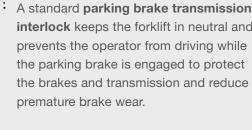


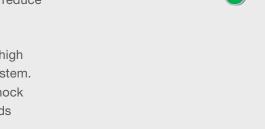
Our reliable cooling system includes an electronic engine protection and warning system that monitors radiator fluid and transmission oil temperatures at all times. This system also contains a field-proven bottom bypass design with thermostat to prevent hot spots and prolong engine life. And its large 10-blade fan and aluminum radiator produce effective cross-flow cooling.

interlock. This optional equipment the LP system is out of fuel.

interlock keeps the forklift in neutral and prevents the operator from driving while the parking brake is engaged to protect the brakes and transmission and reduce premature brake wear.

Inhibit operators from shifting at high speeds with our SmoothShift system. This option limits transmission shock and excessive wear- and extends service life too.



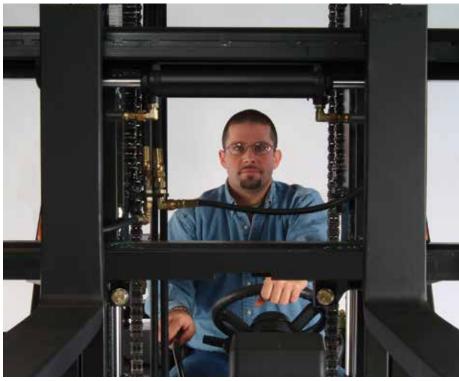






Comfort Zone







A standard high-visibility carriage* and your choice of an OptiView®, triple stage or wide-view mast — together these features produce clear sightlines for both loading and moving.

*Available at no additional cost on model capacities up to 5500 lbs.



Travel Ergonomics

The optional secure assist grip makes it easier to maintain a rear facing position while reversing. A horn button is included.



Convenience at Your Fingertips

Standard automotive-style controls are located on either side of the steering column for accessibility and intuitive operation.



Our Seat Supports Your Driver and Your Productivity

The lumbar support and weight adjustments create customized comfort for the operator, while a non-cinching seatbelt allows a wider range of movement. The full suspension design absorbs shocks for a smoother, more comfortable ride — and it's all standard on CF Series forklifts.

Lumbar support adjustment

Weight adjustment

Seat and backrest cushions can be individually replaced for enhanced savings.



Excellent Fork Tip Visibility

Controls are ergonomically placed across a low profile cowl, making visibility while picking up loads easier for a variety of operator heights.

Add a Spinner Knob for Easier Handling

Operators love this optional feature because it gives them even easier control behind the wheel.









Operator Efficiency Achieved

Choose the optional integral side shifter resulting in fewer moves to store and retrieve loads, while minimizing capacity loss versus hang-on designs.

More Power, More Efficiently

Advanced engine technology makes it possible for our GK21 and GK25 engines to deliver greater torque at lower RPMs. This is achieved due to a combination of factors, including direct ignition coils connected to each cylinder, as well as electronic monitoring and control systems. CF models also include an atmospheric sensor that helps maintain exhaust emission performance.



Paired for Maximum Performance

Built to our specifications, the CF transmission is uniquely designed to optimize the horsepower and torque of our GK21 and GK25 industrial engines. This proven drivetrain delivers powerful, yet efficient performance.

Sweet Savings

Extra Protection Without Extra Expense



In the event of excessive heat or loss in engine oil pressure, our **Powertrain Protection System** reduces engine RPM for longer engine and drivetrain life. This great feature is standard on models powered by our GK21 and GK25 engines, versus competitive forklifts requiring a costly add-on.

Reduce Tire Wear & Save Fuel



when moving fragile loads or operating in confined areas. Three design choices for this option offer increasingly more security against tampering: toggle switch, key switch or set internal parameters to keep this feature activated.







Long Life LEDs

Everything about the CF Series is designed for longer life and greater savings, including the standard LED headlights that deliver greater visibility while being more economical and cost-effective over the life of the machine.

Repositionable Headlights



Play It Safe

As a leader in clean air engines for nearly a decade, our products have benefited from the knowledge gained through our automotive heritage. Our GK21 and GK25 industrial engines incorporate an electronic engine control system, using a closed loop design to produce high combustion efficiency with lower and cleaner emission levels. We've also included several security systems as standard, and more options to meet your particular needs.



Supplemental Security

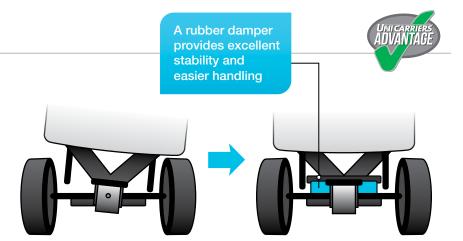
Several features are available to supplement existing safety measures:

- Seatbelt Interlocks Option include a variety of choices for restricting forklift operations if the seatbelt is not latched.
- Fire Extinguisher Option mounted to the overhead guard pillar, for quick and easy access.
- Orange Seatbelt (standard) is highly visible, making seatbelt usage
- **UL Safety Rating Option** on LP models for hazardous environments.



This comprehensive system includes a **seat-actuated power** interrupt with mast-lock, automatically preventing lift and tilt operations if the operator leaves the seat. The return-to-neutral feature minimizes forklift movement if the operator leaves the truck while still in gear. Other audible and visual warnings come standard, including parking brake warning and seatbelt alarm.





Safety Doesn't Have to be Complicated

Unlike the complex systems offered by some competitors, our cushioned stability control is simple, extremely effective and **low maintenance** excellent lateral stability is achieved by a rubber damper placed between the axle and frame.

First-Class Control

The Ultimate in Control

The interactive meter panel on the CF Series provides operators and technicians with a wealth of information through its LCD warnings and readouts. A visual indicator for its return-to-neutral feature shows the forklift's transmission direction.



Forward Thinking Back-Up Alarm

Our standard back-up alarm provides plenty of notice to pedestrians and other drivers in the area. For applications with varying noise levels, there is an optional self-adjusting alarm that adjusts sound volume based on ambient noise levels.

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Our multi-function display provides an at-a-glance view of critical functions:

- Parking brake warning
- Seatbelt warning
- Directional indicator
- Fuel & water temperature gauges

Multi-function display:

• Hour meter

• Clock/calendar

- Programmable service reminder



Single Handle Control Lever

Our single handle control combines both lift and tilt functions for greater productivity. It's standard equipment on the CF Series - and not available from is used for easier load placement and any other forklift brand. Separate control levers are available at no charge.

Auto-Tilt Leveling System

Press the button on the hydraulic control lever to tilt the forks forward to a horizontal position. This option retrieval operations.



Parking Brake Alarm

As part of the Operator Presence System, a warning buzzer alerts the driver if he leaves the seat without first setting the parking brake.

12 13

Make It Yours

Choose from a variety of options to customize your ride. If you don't see what you need, contact your authorized UniCarriers dealer for help.



Debris Resistance Package

Includes a belly screen and slotted wheel well inserts to prevent larger debris from entering the engine compartment and affecting key components. For additional protection, select the Recycler Package.



Blue LED Pedestrian Awareness Light

Reverse driving actuates an optional blue spotlight to illuminate the floor, for advanced visual warning.



Tilt Cylinder Protection

Cylinder boots and covers provide extra protection against contaminants that can cause premature wear on cylinder packing.



Extended Overhead Guard

Extension provides protection to mounted components, including on-board computer and headlight (shown).



Fingertip Controls

Increase operator productivity with ergonomic hydraulic controls. Choose single joystick or multiple lever designs.



Polycarbonate Overhead Guard Cover

Prevents small debris from entering the operator compartment through the overhead guard.



Sideshifting Fork Positioner

Hydraulically positions forks, eliminating the need for manual adjustment by the operator, providing increased productivity.



Rear LED Combination Lights

Package includes a reflector, turn signals, brake and back-up lights. Design provides high visibility and vibration resistance for long life and low service costs. Choose vertical or horizontal mounting (shown).



Radiator Screen

Minimizes debris entering radiator, resulting in more efficient engine cooling.

Option Availability

	LP	DUAL FUEL
VEHICLE MANAGEMENT		
Vehicle Control Module (VCM)	•	•
Operator security PIN access	•	•
Interactive LCD meter panel	•	•
Engine coolant temperature gauge		•
Oil pressure, transmission fluid and low coolant warning lights	•	•
LPMax low fuel warning		
Fuel gauge - gas	-	•
SmoothShift system	0	0
Starter interlock - low LP	0	0
POWERTRAIN		
Electronic Engine Control System	•	•
Engine/transmission protection and warning system	•	•
Floating powertrain for reduced vibration (pneumatic)	•	•
Three-way catalytic converter	•	•

Engine/transmission proteotion and warning system	_	_
Floating powertrain for reduced vibration (pneumatic)	•	
Three-way catalytic converter	•	•
Cushioned stability control	•	
Travel speed control (high/low speed selector)	0	0
Controlled acceleration (power/economy selector) Radiator screen	0	0
Radiator screen	0	0
Diffusion exhaust muffler	0	0
LP SYSTEM		
Swing-out LP bracket*	•	•
Swing-down LP bracket*	0	0
BRAKE		
Parking brake with warning buzzer	•	
Parking brake transmission interlock	•	•
MAST		

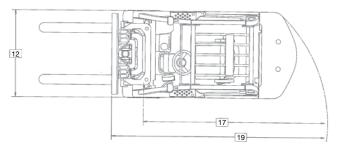
High-Visibility Carriage*	•	•	
HYDRAULIC SYSTEM			
Single lift/tilt control lever	•	•	
Separate lift & tilt control levers	0	0	
Automatic fork leveling*	0	0	

Seat actuated auto-mast lock system OptiView® three-stage mast

Blue LED spotlight - front/ rear

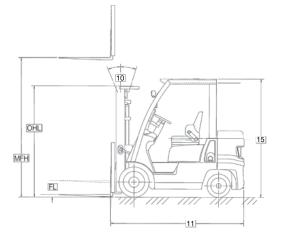
<u> </u>		
OPERATOR CONVENIENCES		
Full suspension seat with weight & lumbar adjustment	•	•
Overhead guard-mounted LED headlights	•	•
Rearview mirrors	0	0
Rear LED combination light package (turn, stop, back-up)	0	0
Rear LED drive light	0	0
Secure rear grip with horn button	0	0
DDOTEOTION/OFGUIDITY		

Secure rear grip with horn button	0	0
PROTECTION/SECURITY		
Operator Presence System with return-to-neutral and auto mast lock	•	•
Seatbelt interlocks	0	0
UL Safety rating*	0	-
Back-up warning alarm	•	•
Self-adjusting back up alarm	0	0
Fire Extinguisher	0	0
Parking Brake w/ Warning Buzzer	0	0
Seat Belt Warning System	•	•
Orange Seatbelt	•	•
High Visibility Orange Forks	•	•



Standard

Optional



Specifications

0	Model			CFS	30N	CF3	35N	CFS	40N	CF	40N		CF	50N	CF	55N	CF6	50N	CF	S60N	CF	65N	CFS	S65N	CF	F80N	
1	Capacity – at rated load center	lb	kg	3,000	1,350	3,500	1,600	4,000	1,800	4,000	1,800	1	5,000	2,250	5,500	2,500	6,000	2,700	6,000	2,700	6,5000	2,900	7,000	3,150	8,000	3,650	
2	Capacity – at load center-distance	in	mm	24	600	24	600	24	600	24	600	2	24	600	24	600	24	600	24	600	24	600	24	600	24	600	
3	Power – diesel, gasoline, LP gas, electric			LP -	G/LP	LP -	LP - G/LP LP - G/LP		LP -	G/LP	3	3 LP - G/LP		LP - G/LP LP - G/LP		LP	- G/LP	LP - G/LP		LP		LP					
4	Tire type – cushion or pneumatic			Cus	Cushion Cushion		Cus	Cushion		Cushion 4		Cus	shion	Cushion		Cushion		Cushion		Cushion		Cushion		Cushion			
5 5	Wheels (x = driven) - number front / rear	2x/2 2x/2 2x/2		2x	/ 2	5	2x / 2		2x	2x / 2		2x / 2		x / 2	2x / 2		2x	:/2	2:	x / 2							
7	Lift with standard two-stage mast – maximum fork height	in	mm	130	3,300	130	3,300	130	3,300	130	3,300	7	130	3,300	130	3,300	130	3,300	130	3,300	122	3,100	171	4,350	171	4,350	
8	Lift with standard two-stage mast – free fork height	in	mm	4	100	4	100	4	100	4.2	105	8	4.2	105	6.7	175	7.1	180	7.1	180	7.1	180	10.6	269	10.6	269	
0	Forks – thickness x width x length	in	mm	1.5x4x42	40x100x1,070	1.5x4x42	40x100x1,070	1.5x4x42	40x100x1,070	1.5x4x42	40x100x1,070		1.5x4x42	40x100x1,070	1.5x4x42	40x100x1,070	2x5x42	50x125x1,070	2x5x42	50x125x1,070	2x5x42	50x125x1,07	2x5x42	50x125x1,070	2x5x42	50x125x1,070	
9	Fork spacing — out-to-out minimum / maximum	in	mm	7.8 / 32.4	200 / 823	7.8 / 32.4	200 / 823	7.8 / 32.4	200 / 823	7.8 / 36.0	200 / 920	1 9	7.8 / 36.0	200 / 920	7.8 / 40.2	200 / 1,020	9.6 / 40.2	244 / 1,020	9.6 / 40.2	244 / 1,020	9.6 / 40.2	244 / 1,020	11.1 / 38.9	282 / 987	11.1 /38.9	282 / 987	
10	Tilt – forward / backward	deg	g	5° /	′10°	5° /	10°	5° /	5° / 10°		5° / 10° 10		5° .	/ 10°	5° /	/ 10°	5° /	10°	5°	/ 10°	5° / 10°		5° / 10°		5°	5° / 10°	
2 11	Length to fork face	in	mm	81.9	2,080	81.9	2,080	84.4	2,145	89	2,260	11	91.3	2,320	93.9	2,385	95.3	2,420	96.5	2,450	96.3	2,445	98.2	2,495	100	2,540	
12	Width – with standard tires	in	mm	38.2	970	38.2	970	38.2	970	36.2	920	12	36.2	920	43.1	1,095	43.1	1,095	43.9	1,115	43.9	1,115	45.9	1,165	45.9	1,165	
13	Height – mast lowered	in	mm	82.9	2,105	82.9	2,105	82.9	2,105	83.1	2,110	13	83.1	2,110	82.7	2,100	82.7	2,100	83.1	2,110	82.7	2,100	83.1	2,110	83.1	2,110	
14	Height – seat height	in	mm	43.3	1,100	43.3	1,100	43.3	1,100	44.3	1,125	14	44.3	1,125	44.3	1,125	44.4	1,130	44.4	1,130	44.4	1,130	44.4	1,130	44.4	1,130	
15	Height – top of overhead guard	in	mm	81.1	2,060	81.1	2,060	81.1	2,060	82.1	2,085	15	82.1	2,085	82.1	2,085	82.1	2,085	82.3	2,090	82.1	2,085	82.3	2,090	82.3	2,090	
16	Height – mast extended	in	mm	179.3	4,555	179.3	4,555	179.3	4,555	179.3	4,555	16	179.3	4,555	179.3	4,555	179.3	4,555	175	4,445	178.5	4,535	178.7	4,540	178.7	4,540	
17	Minimum outside turning radius	in	mm	68.3	1,735	68.3	1,735	70.9	1,800	76	1,930	17	78.3	1,990	82.1	2,085	82.1	2,085	82.3	2,090	82.1	2,085	82.5	2,095	83.9	2,130	
18	Load moment constant	in	mm	15.4	390	15.4	390	15.4	390	16.1	410	18	16.1	410	17.3	440	17.1	435	17.7	450	17.9	455	17.9	455	17.9	455	
19	Minimum aisle - 90° stack - zero clearance w/out load 1	in	mm	83.7	2,125	84.9	2,155	84.9	2,155	92.1	2,340	19	94.4	2,4000	96.8	2,460	98.4	2,500	98.0	2,490	99.2	2,520	100.4	2,550	101.8	2,585	
ų 20	Travel speed loaded / empty	mph	km/h	10.9	17.5	10.9	17.5	10.9	17.5	10.6	17	20	10.6	17	10.6	17	10.6	17	11.5/9.9	18.5/16	10.6	17	11.5 / 11.5	18.5 / 18.5	11.5/ 11.5	18.5 / 18.5	
21	Lift speed loaded / empty	fpm	mm/s	122/127.9	620/650	122/127.9	620/650	122/127.9	620/650	122/127.9	620/650	21	118.1/127.9	600/650	94.5/102.4	480/520	104.3/110.2	530/560	104.3/110.2	530/560	88.6/92.5	450/470	88.6 / 92.5	450 / 470	88.6 / 92.5	450 / 470	
22	Lowering speed loaded / empty	fpm	mm/s	98.4	500	98.4	500	98.4	500	98.4	500	22	98.4	500	98.4	500	98.4	500	98.4	500	82.7/70.9	420/360	83 / 71	420 / 360	83 / 71	420 / 360	
23	Drawbar pull – loaded maximum	lb	N	3,417	1,550	3,417	1,550	3,417	1,550	3,638	1,650	23	3,638	1,650	3,638	1,650	4,189	1,900	3,009	1,365	4,189	1,900	6,228	2,825	6,228	2,825	
24	Gradeability – maximum (1.2 mph) loaded / empty	%)	38 /	/ 20	38 /	18	38	/ 16	33	/ 21	24	28	/ 16	27	/ 16	28 /	/ 16	44	4 / 18	24 / 16		38 / 18		34 / 15		
25	Empty – standard tires	lb	kg	5,980	2,710	6,420	2,910	6,830	3,100	7,130	3,235	25	7,940	3,600	8,860	4,015	9,350	4,240	9,610	4,360	9,825	4,455	10,460	4,740	11,150	5,055	
26	Axle load - with load front / rear	lb	kg	7,720/1,260	3,620/590	8,485/1,435	3,985/675	9,240/1,590	4,350/750	9,730/1,400	4,575/660	26	11,375/1,565	5,360/740	12,355/2,005	5,820/945	13,360/1,990	6,300/940	13,715/1,895		14,225/2,100			2,095/990		0 2,960 / 1,335	
20	Axle load - without load front / rear	lb	kg	2,200/3,780	995/1,715	2,045/4,375	925/1,985	1,880/4,950	855/2,245	2,815/4,315	1,275/1,960	20	2590/5,350	1,175/2,425	2,705/6,155	1,225/2,790	2,790/6,560	1,265/2,975	3,450/6,160	1,565/2,795	2,755/7,070	1,250/3,205	3,365 / 1,525	7,095 / 3,215	3,150 / 1,425	8,000 / 3,630	
27	Tire size – front, standard	in	1	18x6x	(12.13	18x6x	12.13	18x6	(12.13		7x15	27		21x7x15 21x8x15			3x15		x8x16	21x8x15		22 x 9 x 16			9 x 16		
28	Tire size – rear	in	1	14x	5x10	14x5		14x	5x10		6x11.25	28					16.25x6x11.25		18x6x12.12				18 x 6 x 12.12		18 x 6 x 12.12		
29	Wheelbase	in	mm	46.9	1,190	46.9	1,190	46.9	1,190	55.1	1,400	29	55.1	1,400	55.1	1,400	55.1	1,400	59.1	1,500	55.1	1,400	59.1	1,500	59.1	1,500	
30	Tread width – front, standard tires	in	mm	32.3	820	32.3	820	32.3	820	35	890	30	35	890	35.8	910	35.8	910	35.8	910	35.8	910	37	940	37	940	
31	Tread width – rear, standard tires	in .	mm	32.3	820	32.3	820	32.3	820	35	890	31	35	890	35	890	35	890	36.6	930	35	890	36	930	36	930	
32	Ground clearance – at lowest point of mast	in .	mm	3.0	75	3.0	75	3.0	75	3.1	80	32	3.1	80	2.8	70	2.8	70	3.1	80	2.8	70	3.1	80	3.1	80	
33	Ground clearance – at center of wheelbase	in		4.3	110	4.3	110	4.3	110	4.1	105	33	4.1	105	3.5	90	3.5	90	3.7	95	3.5	90	5.7	145	5.7	145	
34	Service brakes	typ			/ foot	drum			/ foot		/ foot	34		1 / foot	drum / foot		drum / foot		drum / foot						drum / foot		
35	Parking brakes	typ	oe 		echanical	hand / me			echanical		echanical	35		nechanical	hand / mechanical		hand / mechanical		hand / mechanical								
36	Engine model	1	1347		(21	GK			(21		(21	36		K21	GK21		GK21		GK21		GK21		GK25		GK25		
37	Continuous output (S.A.E. gross)	HP		55	41	55	41	55	41	55	41	37	55	41	55	41	62.9	46.9	62.9	46.9	62.9	46.9	62.9	46.9	62.9	46.9	
		at rp	om Nm	111.4	7 00	2,7 111.4			7 00 151	111.4	7 00	\vdash	2,700		2,700		2,700		2,700		2,700		2,700		2,700		
38	Maximum torque (S.A.E. gross)	at rp			000	2,0	151	111.4	000		000	38	111.4	151 000	111.4 151 2,000		138.7 <i>188</i>		138.7 188 1,600		138.7 188 1,600		138.7	188 600	38 138.7 188 1,600		
39	Cylinder / displacement		L		2,065	125	2,065	<u> </u>	2,065	126	2,065	39		2,065	126	2,065		2,488	151.8	2,488		2,488	151.8	2,488	151.8	2,488	
	Transmission type	Culii	-		matic	autor			matic			40								,		matic		,			
	Number of speeds forward / reverse	-			/ 1	1 /			/ 1			41		automatic 1 / 1		automatic		automatic 1 / 1		automatic 1 / 1			automatic 2 / 1		automatic 2 / 1		
	Battery	volt	te		2	17			2	-	2	42		12	1/1		1/1		17 1		1/1		2/1		2 / 1		
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43	Relief pressure - For attachments at auxiliary valve	psi	bar	1,840	127	1,840	127	1,80	127	1,840	127	43	1,840	127	1,840	127	1,840	127	18,40	127	1,840	127	2,625	181	2,625	181	
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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.





We Never Quit.



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