

UNICARRIERS®

□ FORKLIFT □



Engine Powered Forklifts

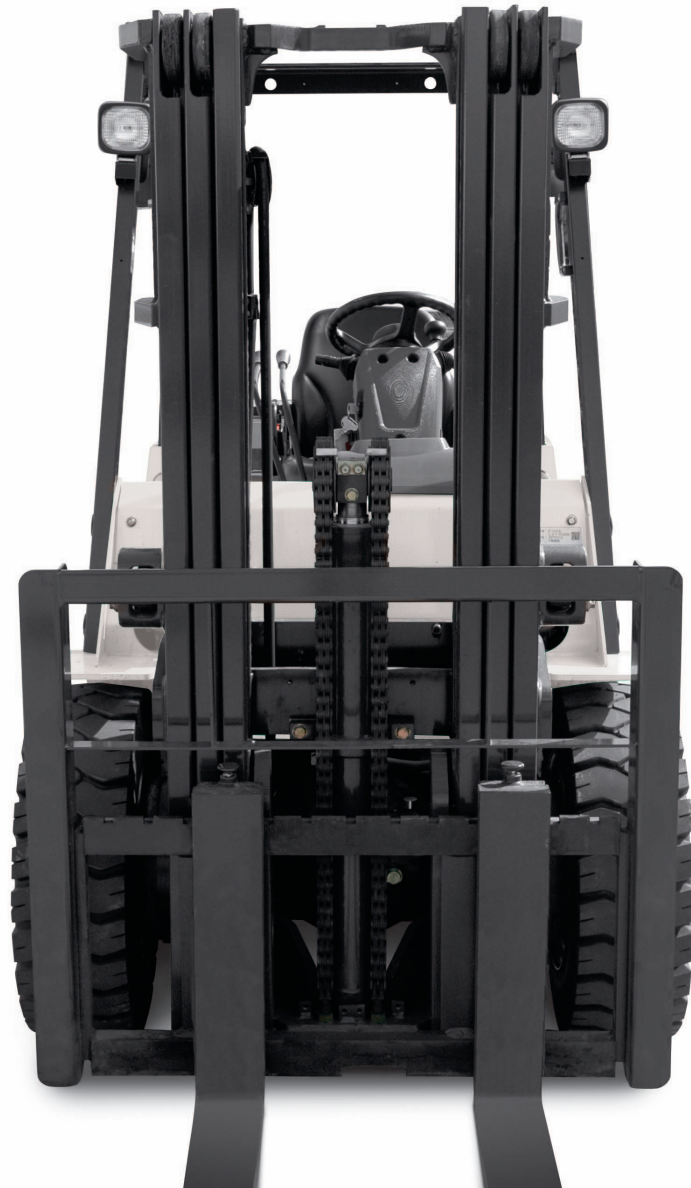
Gasoline / LP Gas | Diesel
2,000 – 3,000 kg. Capacities | Pneumatic Tire

2 - 3 Ton Pneumatic Truck Series

Common Applications

The series was designed to meet and exceed the demands of a variety of markets by offering a high output engine which leads to high productivity. You can count on outstanding reliability in even some of the harshest applications of the following industries:

- Food and Beverage manufacturing and wholesale
- Fishing and fish processing
- Chemicals, textiles and rubber
- General and refrigerated warehousing and storage
- Machinery and heavy equipment
- Electric equipment and components





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.

That commitment can be seen in the Series. The right choice when you are looking for a machine able to perform in virtually any high stress application – at optimal levels and in some harsh environments. Add UniCarriers' legendary reliability, energy efficiency and durability – and you have the right forklift to move your products, and your business, forward.



Up Your UpTime

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



Comfort Zone

Your entire operation will benefit from the features designed with operator comfort in mind



Power & Performance

Built with proven components to ensure the productivity you need



Sweet Savings

Designed to maintain a low cost of ownership year after year



Play It Safe

Safety is everyone's business and UniCarriers is all about business when it comes to safety



Control Freak

Placing control completely within the hands of the operator for confident efficiency



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



Up Your UpTime



Easy Access Equals Quick Service

All major components of the truck are readily accessible when necessary. This includes the engine hood that can tilt open providing access without having to adjust the seat; the one piece floor plate that can be removed without tools and the easily removable side covers.

Reliability To Keep You Running

Whether it's the mast, engine or drive axle, the Series has been engineered and built to handle some of the most challenging applications to increase productivity and reduce downtime.

Heat Balance Cuts Downtime

With a cooling system that utilizes horizontal crossflow across its corrugated fins, the radiator has an aluminum core to resist corrosion for the long haul. Large counterweight opening allows for better heat balance.

Informed Operators Keep Trucks Running

The informative display panel provides operators and technicians with a wealth of information through its warnings and readouts.

Comfort Zone



Designed For Operator Comfort

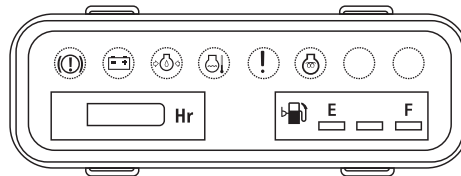
Three point access for easy entry and exit. This includes an elongated grab bar; low, open anti-slip step and steel wrapped hip restraints.

The operator compartment is fitted with a fold down vinyl seat featuring a back cushion which allows for added lumbar support for the driver and an anti-cinch seat belt.

The open operator compartment is equipped with an adjustable tilt steering column, allowing for optimal operator space. Allowing adjustment in a 12 degree range, the steering column's "memory" feature retains the operator's preferred settings for added convenience during operation.



Good visibility to the fork tips from normal operating position since the display is located to the right hand side of the hydraulic levers.



Indicator light	Name	Color	Glow (ON/OFF) condition	Applicable model
	Battery charge warning light	Red	Charge is not working properly. (ON) The engine is not running. (ON)	All models (Standard)
	Engine oil pressure warning light	Red	Oil pressure switch is closed. (ON) Engine is not running. (ON)	All models (Standard)
	Water temperature warning light	Red	Resistance value is 11.4 ohm or less. (ON) The value is 13.8 ohm or more. (OFF)	Diesel model (Standard)
	Glow light	Orange	Resistance value is 17.4 ohm or less. (ON) The value is 21.4 ohm or more. (OFF)	G/L dual model (Standard)
	Glow light	Orange	Glow timer relay is closed. (ON)	Diesel model (Standard)



Power & Performance



Reliable & Efficient Engine

Equipped with a GK25 engine in its Gas/LP configuration and the S4S in its diesel configuration, this family of trucks is able to perform at optimal levels in some of the most demanding applications and environments.



Control Is In The Hands Of The Operator

With intuitive controls, the operator has everything they need to do their job efficiently within reach.



Designed for Durability

The one piece casting and floating design of the drive axle allows for the shock of operation to be absorbed by the housing rather than the axle itself, increasing, longevity and durability.



Sweet Savings



Built To Last

These trucks are built with proven design and materials to help ensure that your fleet stays in operation.

Run As Efficiently As Possible

Competitive fuel efficiency along with travel, lifting and lowering speeds translate directly into higher levels of productivity, which means faster return on investment.

Engine Efficiency

This system slows the acceleration of the forklift which allows savings in fuel efficiency without limiting the top speed of the truck.

UNICARRIERS
[FORKLIFT]



Play It Safe



Excellent Visibility and Secure Protection

The absence of crossbars in the overhead guard and the specially-designed mast, the design of the forklift allows for excellent visibility in all directions during operation.

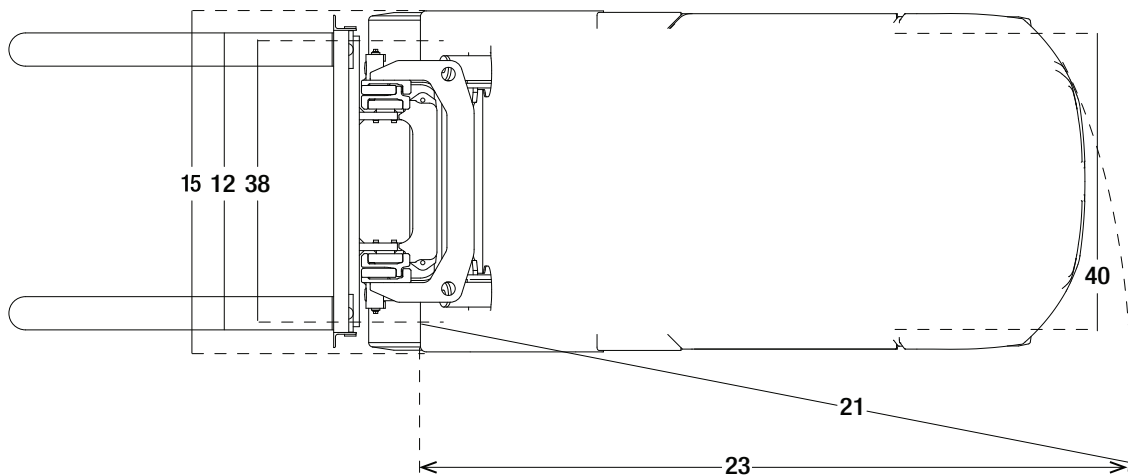
Control Freak



Maneuverability on Demand

The hydrostatic steer axle allows the operator to steer the truck with little effort.

DIMENSIONS



MAIN TRUCK SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer's Name		UniCarriers				
	2	Model designation		FG20T5C	FG25T5C	FG30T5C		
	3	Model	Long model code	KU1F2A20U	KU1F2A25U	KU1F2A30U		
	4	Capacity at rated load center	lb (kg)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)		
5	Capacity at load center	distance	in (mm)	24 (500)	24 (500)	24 (500)		
6	Power			gasoline / LP gas	gasoline / LP gas	gasoline / LP gas		
7	Tire type			pneumatic	pneumatic	pneumatic		
8	Wheels	Number (x=driven) front / rear		2x/2	2x/2	2x/2		
DIMENSIONS	9	Maximum fork height	w/ standard two-stage mast	in (mm)	118 (3,000)	118 (3,000)	118 (3,000)	
	10	Free fork height	w/ standard two-stage mast	in (mm)	5.5 (140)	5.5 (140)	5.7 (145)	
	11	Fork dimensions	length x width x thickness	in (mm)	42 x 3.9 x 1.8 (1,070 x 100 x 45)	42 x 3.9 x 1.8 (1,070 x 100 x 45)	42 x 4.8 x 1.8 (1,070 x 122 x 45)	
	12	Fork spacing	out-to-out minimum.maximum	in (mm)	9.6 / 39.3 (244 / 1,000)	9.6 / 39.3 (244 / 1,000)	9.6 / 39.3 (244 / 1,000)	
	13	Tilt	forward / backward	deg	6 / 10	6 / 10	6 / 10	
	14	Length to fork face			in (mm)	99.4 (2,525)	100.8 (2,560)	105.9 (2,690)
	15	Overall width	with standard tires	in (mm)	45.3 (1,104)	45.3 (1,150)	50.2 (1,275)	
	16		with optional duals	in (mm)	N/A	N/A	N/A	
	17	Height with lowered mast			in (mm)	78.3 (1,990)	78.3 (1,990)	79.3 (2,015)
	18	Seat height			in (mm)	45.3 (1,104)	45.3 (1,104)	44.3 (1,124)
	19	Height	to top of overhead guard	in (mm)	81.7 (2,075)	81.7 (2,075)	82.5 (2,095)	
	20		with mast extended	in (mm)	160 (4,055)	160 (4,055)	160 (4,055)	
	21	Minimum outside turning radius			in (mm)	90.6 (2,300)	91.5 (2,325)	95.1 (2,415)
	22	Load moment constant			in (mm)	17.9 (455)	18.1 (460)	19.5 (495)
	23	Minimum aisle	90° stack - zero clearance without load	in (mm)	108.5 (2,755)	109.6 (2,758)	114.6 (2,910)	
PERFORMANCE	24	Travel speed	loaded / empty	mph (km/h)	11.8 / 12.1 (19.0 / 19.5)	11.8 / 12.1 (19.0 / 19.5)	11.8 / 12.1 (19.0 / 19.5)	
	25	Lift speed	loaded / empty	fpm (mm/s)	114 / 130 (580 / 660)	114 / 130 (580 / 660)	91 / 104 (460 / 530)	
	26	Lowering speed	loaded / empty	fpm (mm/s)	98 / 98 (500 / 500)	98 / 98 (500 / 500)	104 / 98 (530 / 500)	
	27	Drawbar pull loaded	(60 minute rating)	lb (N)	3,642 (16,200)	3,597 (16,000)	3,552 (15,800)	
	28	Drawbar pull loaded	maximum (5 minute rating)	lb (N)	4,181 (18,600)	4,136 (18,400)	4,114 (18,300)	
	29	Gradeability	loaded at 1 mph (1.6 km)	%	32.8	27.8	22.8	
30	maximum loaded / empty		%	38.1 / 14.3	32.2 / 14.3	26.5 / 17.3		
WEIGHT	31	Weight	empty	lb (kg)	7,190 (3,260)	7,830 (3,550)	9,240 (4,190)	
	32	Axle loaded with rated load	front / rear (est.)	lb (kg)	9,370 / 1,430 (4,390 / 650)	11,650 / 1,560 (5,490 / 730)	13,890 / 1,750 (6550 / 820)	
	33	Axle load without load	front / rear (est.)	lb (kg)	2,390 / 4,360 (1,080 / 1,960)	3,260 / 4,950 (1,480 / 2,240)	3,920 / 5,720 (1,770 / 2,660)	
CHASSIS & WHEELS	34	Tire size	front (standard)	in	7.0 x 12-12-PR	7.0 x 12-12-PR	28 x 9-15-12PR	
	35		front (optional duals)	in	N/A	N/A	N/A	
	36		rear	in	6.0 x 9-10PR	6.0 x 9-10PR	6.50 x 10-10PR	
	37	Wheelbase			in (mm)	65.0 (1,650)	65.0 (1,650)	65.0 (1,650)
	38	Tread width	front (standard tires)	in (mm)	37.8 (960)	37.8 (960)	41.7 (1,060)	
	39		front (optional duals)	in (mm)	N/A	N/A	N/A	
	40		rear	in (mm)	38.6 (980)	38.6 (980)	38.6 (980)	
	41	Ground clearance	at lowest point of mast	in (mm)	4.5 (115)	4.5 (115)	5.3 (135)	
	42		at center or wheelbase	in (mm)	6.6 (167)	6.6 (167)	7.4 (189)	
	43	Service brakes			type	foot-operated hydraulic	foot-operated hydraulic	foot-operated hydraulic
44	Parking brakes			type	hand-operated, mechanical	hand-operated, mechanical	hand-operated, mechanical	
ELECTRICAL	45	Engine model			GK25	GK25	GK25	
	46	Continuous output S.A.E Gross	HP (kW)		53.6 (40.0)	53.6 (40.0)	53.6 (40.0)	
	47		at rpm		2,200 (2,200)	2,200 (2,200)	2,200 (2,200)	
	48	Maximum torque S.A.E Gross	lb-ft (Nm)		137 (186)	137 (186)	137 (186)	
	49		at rpm		1,600 (1,600)	1,600 (1,600)	1,600 (1,600)	
	50	Cylinders / displacement			cu in (L)	152 (2.5)	152 (2.5)	152 (2.5)
	51	Transmission type				powershift	powershift	powershift
	52	Number of speeds	forward / reverse			1/1	1/1	1/1
	53	Relief pressure	for attachments	psi (bar)	2,625 (181)	2,625 (181)	2,625 (181)	
	54	Noise level	mean value at operator's ear Leq	dB(A)	73.5	73.5	73.5	

MAIN TRUCK SPECIFICATIONS

CHARACTERISTICS	1	Manufacturer's Name		UniCarriers			
	2	Model designation		FD20T5C	FD25T5C	FD30T5C	
	3	Model	Long model code	KM1F2A20U	KM1F2A25U	KM1F2A30U	
	4	Capacity at rated load center	lb (kg)	4,000 (2,000)	5,000 (2,500)	6,000 (3,000)	
5	Capacity at load center	distance	in (mm)	24 (500)	24 (500)	24 (500)	
6	Power			diesel	diesel	diesel	
7	Tire type			pneumatic	pneumatic	pneumatic	
8	Wheels	Number (x=driven) front / rear		2x/2	2x/2	2x/2	
DIMENSIONS	9	Maximum fork height	w/ standard two-stage mast	in (mm)	118 (3,000)	118 (3,000)	118 (3,000)
	10	Free fork height	w/ standard two-stage mast	in (mm)	5.5 (140)	5.5 (140)	5.7 (145)
	11	Fork dimensions	length x width x thickness	in (mm)	42 x 3.9 x 1.8 (1,070 x 100 x 45)	42 x 3.9 x 1.8 (1,070 x 100 x 45)	42 x 4.8 x 1.8 (1,070 x 122 x 45)
	12	Fork spacing	out-to-out minimum.maximum	in (mm)	9.6 / 39.3 (244 / 1,000)	9.6 / 39.3 (244 / 1,000)	9.6 / 39.3 (244 / 1,000)
	13	Tilt	forward / backward	deg	6 / 10	6 / 10	6 / 10
	14	Length to fork face		in (mm)	99.4 (2,525)	100.8 (2,560)	105.9 (2,690)
	15	Overall width	with standard tires	in (mm)	45.3 (1,150)	45.3 (1,150)	50.2 (1,275)
	16		with optional duals	in (mm)	N/A	N/A	N/A
	17	Height with lowered mast		in (mm)	78.3 (1,990)	78.3 (1,990)	79.3 (2,015)
	18	Seat height		in (mm)	45.3 (1,104)	45.3 (1,104)	44.3 (1,124)
	19	Height	to top of overhead guard	in (mm)	81.7 (2,075)	81.7 (2,075)	82.5 (2,095)
	20		with mast extended	in (mm)	160 (4,055)	160 (4,055)	160 (4,055)
	21	Minimum outside turning radius		in (mm)	90.6 (2,300)	91.5 (2,325)	95.1 (2,415)
	22	Load moment constant		in (mm)	17.9 (455)	18.1 (460)	19.5 (495)
23	Minimum aisle	90° stack - zero clearance without load	in (mm)	108.5 (2,755)	109.6 (2,785)	114.6 (2,910)	
PERFORMANCE	24	Travel speed	loaded / empty	mph (km/h)	11.8 / 12.1 (19.0 / 19.5)	11.8 / 12.1 (19.0 / 19.5)	11.8 / 12.1 (19.0 / 19.5)
	25	Lift speed	loaded / empty	fpm (mm/s)	126 / 132 (640 / 670)	126 / 132 (640 / 670)	100 / 107 (510 / 545)
	26	Lowering speed	loaded / empty	fpm (mm/s)	98 / 98 (500 / 500)	98 / 98 (500 / 500)	104 / 98 (530 / 500)
	27	Drawbar pull loaded	(60 minute rating)	lb (N)	4,002 (17,800)	3,957 (17,600)	3,867 (17,200)
	28	Drawbar pull loaded	maximum (5 minute rating)	lb (N)	4,496 (20,000)	4,429 (19,700)	4,361 (19,400)
	29	Gradeability	loaded at 1 mph (1.6 km)	%	35.6	30.2	24.5
	30		maximum loaded / empty	%	40.4 / 14.3	34.2 / 14.3	27.7 / 17.3
WEIGHT	31	Weight	empty	lb (kg)	7,430 (3,370)	8,050 (3,650)	9,460 (4,290)
	32	Axle loaded with rated load	front / rear (est.)	lb (kg)	9,370 / 1,380 (4,390 / 650)	11,650 / 1,560 (5,490 / 730)	13,890 / 1,750 (6550 / 820)
	33	Axle load without load	front / rear (est.)	lb (kg)	2,390 / 4,360 (1,080 / 1,960)	3,260 / 4,950 (1,480 / 2,240)	3,920 / 5,720 (1,770 / 2,660)
CHASSIS & WHEELS	34	Tire size	front (standard)	in	7.0 x 12-12-PR	7.0 x 12-12-PR	28 x 9-15-12PR
	35		front (optional duals)	in	N/A	N/A	N/A
	36		rear	in	6.0 x 9-10PR	6.0 x 9-10PR	6.50 x 10-10PR
	37	Wheelbase		in (mm)	65.0 (1,650)	65.0 (1,650)	65.0 (1,650)
	38	Tread width	front (standard tires)	in (mm)	37.8 (960)	37.8 (960)	41.7 (1,060)
	39		front (optional duals)	in (mm)	N/A	N/A	N/A
	40		rear	in (mm)	38.6 (980)	38.6 (980)	38.6 (980)
	41	Ground clearance	at lowest point of mast	in (mm)	4.5 (115)	4.5 (115)	5.3 (135)
	42		at center or wheelbase	in (mm)	6.6 (167)	6.6 (167)	7.4 (189)
	43	Service brakes		type	foot-operated hydraulic	foot-operated hydraulic	foot-operated hydraulic
44	Parking brakes		type	hand-operated, mechanical	hand-operated, mechanical	hand-operated, mechanical	
ELECTRICAL	45	Engine model			S4S	S4S	S4S
	46	Continuous output S.A.E Gross		HP (kW)	59.0 (44.0)	59.0 (44.0)	59.0 (44.0)
	47			at rpm	2,300 (2,300)	2,300 (2,300)	2,300 (2,300)
	48	Maximum torque S.A.E Gross		lb-ft (Nm)	135 (183)	135 (183)	135 (183)
	49			at rpm	1,800 (1,800)	1,800 (1,800)	1,800 (1,800)
	50	Cylinders / displacement		cu in (L)	203 (3.3)	203 (3.3)	203 (3.3)
	51	Transmission type			powershift	powershift	powershift
	52	Number of speeds	forward / reverse		1/1	1/1	1/1
	53	Relief pressure	for attachments	psi (bar)	2,625 (181)	2,625 (181)	2,625 (181)
	54	Noise level	mean value at operator's ear Leq	dB(A)	73.5	73.5	73.5



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