

UND | UMS | UHD | UHX Series



Reach Trucks

48 Volt AC Cushion Tire
1,400 - 2,500 kg. 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 loading docks, freezers and ramps and moving that product where it needs to go all while operators are constantly getting on and off the trucks for all the daily tasks that keeps business moving.

Flexibility is the name of the game. And that's where the SCX N2 excels.

Power:

48V AC Electric

Maneuverability:

Excels at tight corners and narrower aisles

Environment:

An indoor truck built for the tight spaces and higher racking

Travel Distance:

Long or short



SCX N2 Series In Your Application

Performance, reliability, control, safety and comfort – the SCX N2 incorporates them all to excel in a wide-range of fast-paced industrial applications, such as:

- Distribution & Production
- Warehousing Operations
- High Racking Applications

Control:

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

Mini steering wheel

Productivity gains and less strain are facilitated by the steering wheel position and a supporting floating armrest, which allows for more body movements while helping to reduce neck strain. This is the result of extensive scientific studies that led to proven world-class ergonomics.

Mast Tilt Control, MTC

Tergo reach trucks equipped with Mast Tilt Control, experience excellent mast stability for quick pallet handling, contributing to improved stacking performance and productivity.

S3 Stability Support System

UniCarrier's S3 system helps to increase operator confidence with its reliable performance. In order to maintain driving stability in a wide range of situations, the S3 technology contains several functions, including Dynamic Cornering Control. When handling loads at high lift heights, the Soft Motion system adapts the mast tilt, reach and sideshift speed to help optimize stability and productivity.

OnBoard Diagnostics Technology

The UniCarriers TERGO® truck range features a unique UniCarriers computer system with CAN-bus technology, which allows technicians and service engineers to easily and quickly run diagnostics on the truck, and return it back to operation in the shortest possible time.

Modular Design Concept

All UniCarriers trucks are designed according to UniCarriers' unique Modular Design Concept, which improves quality and helps to consolidate parts used. Our mobile service engineers can therefore carry less spare parts, which helps achieve a First Time Fix Rate (FTFR) of more than 98%.

Automotive-style pedal design

To enhance driving intuitiveness, the pedals follow the same logic as in a car – acceleration on the right and braking in the middle. The safety switch to the left is easily and conveniently operated with minimum effort. When the truck sits idle, the parking brake is automatically activated.

Dynamic Cornering Control, DCC

With UniCarriers DCC, truck performance is greatly improved. The DCC automatically reduces the truck's travel speed when cornering for improved load stability. This is especially advantageous for situations in which the operator may be required to react quickly.

Narrow tilting backrest

Our specially designed narrow backrest helps the operator to turn easily towards the driving direction, helping to reduce strain on the neck. In addition, the 18 degree tilting backrest within the cabin helps to enhance ergonomics while stacking. (not available on UND models)

Mast Tilt Control, MTC

For quicker stacking and retrieval of product, MTC reduces mast oscillation by up to 80% on trucks with Mast Tilt.

Reliability:

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

Stability Support System (S3) – Soft Motion

S3 incorporates several features including Dynamic Cornering Control. Soft Motion – continuously controls the mast reach, tilt and sideshift speed. This technology helps to improve handling speed and load stability at all lift heights.

The ProVision mast system, the angled overhead protection bars and pillars, are optimized for excellent all-round vision and productivity.

Durable wheel

Unique drive wheel design with large diameter for greater durability. All maintenance is simple and efficient due to easy access to all major components.

The option of having a maximum travel speed of 14.5 km/h makes this a very fast and productive reach truck. To suit each operator's driving skills, the truck performance can be individually set in the ATC truck computer. Optional PIN code entry allows authorized use only.



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

10% upwards

Approximately 10% of the time, operators have the forks lifted at heights that require them to look up. Our tilting seat helps to increase comfort when performing these tasks.

Ergonomic shoulder position

Putting the operator's left shoulder towards the backrest, UniCarriers' mini steering wheel makes it easier for the operator to move their body in the direction of travel.

Hands-free direction control

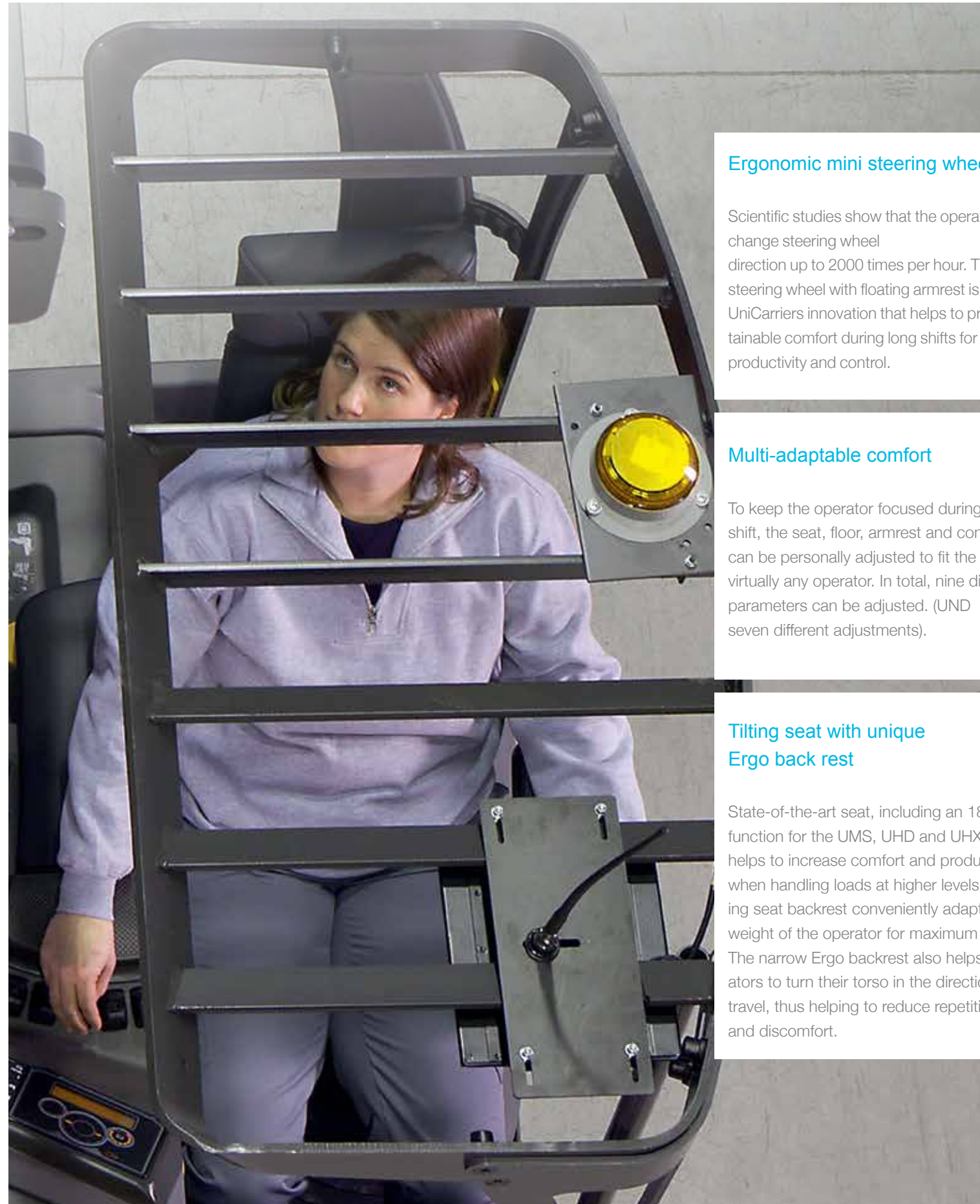
By using the accelerator pedal to change travel directions, the operator can focus on their right hand to control up to three hydraulic functions simultaneously.

ProVision mast

Thanks to our ProVision mast concept, the operator has excellent all-around visibility helping to ensure proper handling.

Easy step

During a shift, the operator may enter and exit the truck numerous times. Our easy entry/exit design makes this process effortless.



Easy-entry step-up

The separate footstep provides a low, comfortable instep (390 mm). This, together with the specially designed step-up handle, makes it easy to get in and out of the truck.

Quiet mast

High-precision mast design, efficient damping of mast movements and soft stop technology contribute to very low mast noise levels.

Ergonomic mini steering wheel

Scientific studies show that the operator may change steering wheel direction up to 2000 times per hour. The mini steering wheel with floating armrest is a unique UniCarriers innovation that helps to provide sustainable comfort during long shifts for optimized productivity and control.

Spacious cabin

A generous roof height and spacious cabin add to the operator's overall comfort.

Multi-adaptable comfort

To keep the operator focused during their shift, the seat, floor, armrest and controls can be personally adjusted to fit the size of virtually any operator. In total, nine different parameters can be adjusted. (UND seven different adjustments).

Tilting seat with unique Ergo back rest

State-of-the-art seat, including an 18° tilt function for the UMS, UHD and UHX models, helps to increase comfort and productivity when handling loads at higher levels. The tilting seat backrest conveniently adapts to the weight of the operator for maximum comfort. The narrow Ergo backrest also helps operators to turn their torso in the direction of travel, thus helping to reduce repetitive strain and discomfort.



UND



Ergologic

Further enhancing efficiency and ergonomics, this unique multi-functional joystick activates seven different functions, including lifting, lowering, reach/retract and tilting with one grip using the same control. Ergonomic of course, and very logical.



Intuitive information

Truck status, hours, battery charge and much more are clearly displayed and easy to read.

Based on a narrow chassis but designed for excellent lift heights and lifting performance. If equipped with optional wheels for rail guidance, together with overhead guard, these trucks are also suitable for narrow, deep stacking. UND is the perfect combination for medium-duty, intense applications.

Modular design

Like all UniCarriers trucks, the ULS and UND are modularly built to maximise uptime and ensure low life-cycle costs.

TERGO®	UND 140
Lift capacity, kg	1400
Load center, mm	600
Truck width, mm	1120

TERGO®

UMS

TERGO®	UMS 160	UMS 200
	1600	2000
	600	600
	1270	1270/1397



The world's most personal reach truck is also the most open-minded

Adjustable floor

Electrically adjustable floor height makes it easy to find the perfect driving position for virtually any operator.

Mast tilt with MTC

A tilting mast makes it easy to control loads up to ten meters, especially in narrow aisles. Mast Tilt Control, MTC, (standard on select models) automatically absorb potential mast oscillations by up to 80%, contributing to quicker handling and confident operation.

ProVision concept

The hydraulic components of TERGO's ProVision masts are neatly integrated into the mast design so as not to obscure the operator's vision. Support bars are also designed to ensure clear vision.

The tilting seat, adaptable to the operator's weight, facilitates high-level load handling.

Mini steering wheel

The mini steering wheel and floating armrest helps to promote a relaxed, comfortable driving posture.

Easily accessible battery

The battery is easily accessible without the operator having to leave the truck, simply by connecting the battery tray to the hydraulic reach-out system.



TERGO®

UHD

**The tougher it gets,
the more muscle you need**

TERGO®	UHD 160	UHD 200	UHD 250
Lift capacity, kg	1600	2000	2500
Load center, mm	600	600	600
Truck width, mm	1270/1397	1270/1397	1397

The toughest operations leave no room for compromise. Just like the UniCarriers TERGO® UHD reach truck. Everything is designed to meet your highest demands in virtually any condition; from the robust chassis and the high precision mast to truck performance and operational reliability. Handling loads of up to 2500 kg in almost any environment, including cold stores, world-class ergonomics and the unique UniCarriers modular design ensure service friendly-technology to further contribute to 24/7 performance and low cost of ownership.

Robust chassis

UniCarriers' TERGO® range is designed with a robust chassis and high quality components, exceeding the demands of multi-shift operations.



Durable drive wheel

Unique tread design and larger diameter for increased grip and durability. Easy access for quick and efficient changes, helps to reduce costs and maximize uptime.

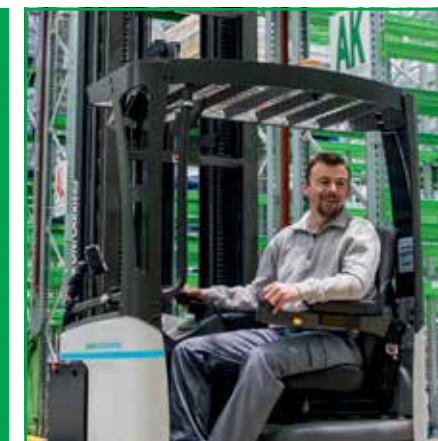
UHX

**Reaching for new heights –
in a warehouse near you**

TERGO®	UHX 200
Lift capacity, kg	2000
Load center, mm	600
Truck width, mm	1397

High-level vision

Designed for optimum visibility, the overhead guard bars and side pillars are painted in a non-reflective dark color and angled to maximize all-round views.



More than twelve meters

Supreme performance and stable mast design allows stable load lifting of more than twelve meters.



It takes something special to reach the highest levels. Or to be precise: the TERGO® UHX. With its high-lifting capacity, the UHX is an extremely capable machine for the most demanding high-rack warehousing. A sturdy chassis design and supreme stability contribute to outstanding efficiency. This is performance, ergonomics and reliability without compromise – equipped for your productivity.

Customizations For Your Unique Applications

1. Fingertip controls

Traditional fingertip controls are optionally available. The controls are easily reachable, and the comfortable palm rest also includes a built-in grip.

2. Battery change technology

Battery access and inspection are easily achieved without the operator having to leave the truck. Optional steel rollers allow the battery change to be carried out from both sides of the truck. For more intensive operations, the “fast-track powerbed” system with motor powered steel rollers makes it possible to change the battery in one minute.

3. High performance

The UniCarriers TERGO® optional performance package enhances top speed by 16% – from standard 12.5 km/h to 14.5 km/h.

4. Equipment bar

We offer several other equipment options that can be mounted to the equipment bar, such as an adjustable RAM holder in different lengths for computer keyboards, or display and scanners that can be placed not only on the equipment bar, but also on the instep handle.

5. 12 V power outlet

Power outlet for extra equipment or just for charging your mobile device.

6. Weight indicator

The display has a load weight indicator to help keep the operator informed of how much weight is being lifted / transported.

7. Blue Lamp

The Blue Lamp is located on the overhead guard and provides a sharp blue spot on the floor, approx. 4-6 meters in front of the truck, to warn pedestrians and other truck drivers in the vicinity.

8. Load wheel brakes

Braking with all three wheels helps to improve stopping, especially on floors with low friction, such as cold stores. Load wheel brakes are standard on the UHD 250.

9. Video camera and monitor

Improve handling efficiency with our high-quality camera and video monitor. The monitor is mounted in the overhead guard and the camera is mounted to the fork as standard.

10. Level Assistance System, LAS

The unique LAS intuitively and automatically finds the desired storage level. This helps to provide significant improvements in handling efficiencies and overall productivity.

11. Active Spin Reduction, ASR

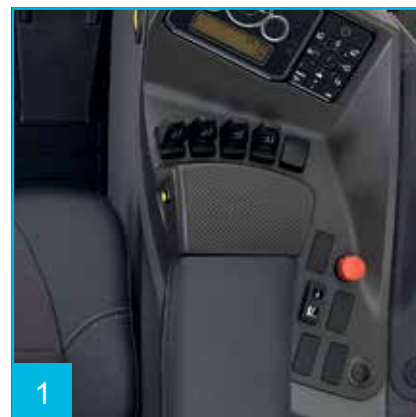
With ASR on your TERGO® reach truck, operators are more confident in their control of the machine and drive wheel wear is also reduced, which helps to provide additional cost savings to the customer.

12. Cold store design (-35°C)

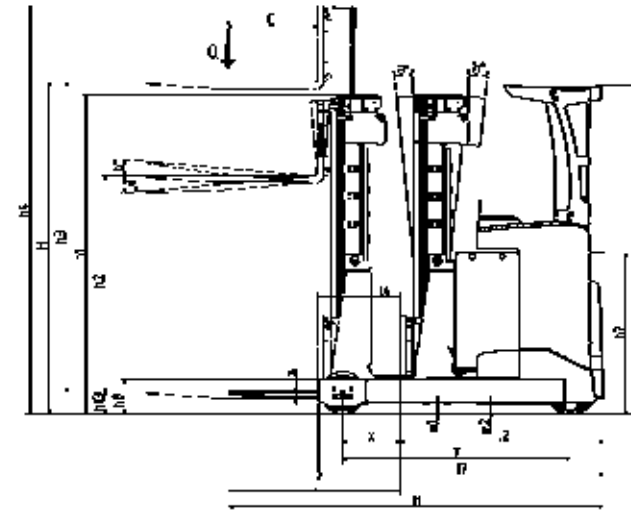
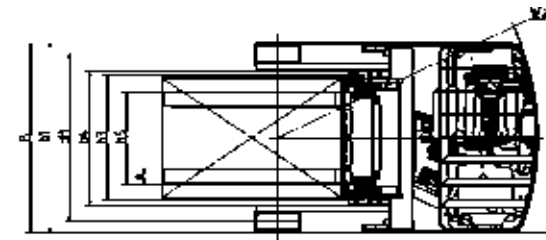
Cold store design includes a wide range of modifications for durability, reliability, operational flexibility and maximum uptime in these conditions.

13. Cold store cabin

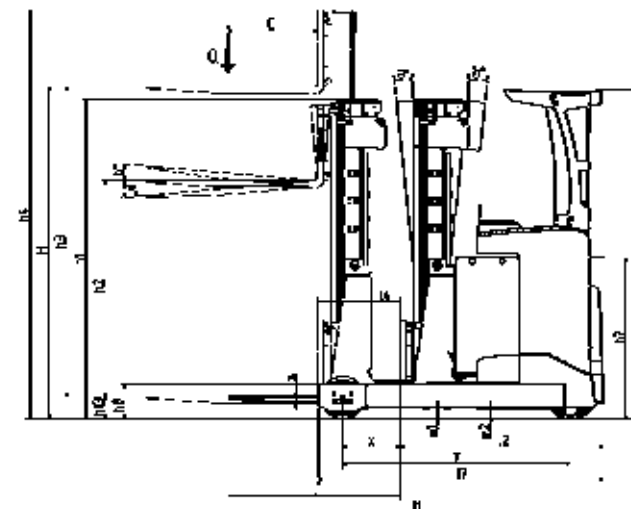
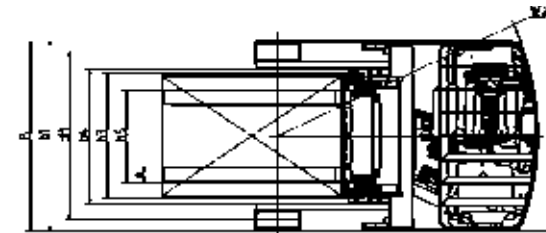
The TERGO® cold store cabin is designed to maintain operators comfortable from harsh exterior temperatures. The wide, clear entry, spacious cabin, and large windows in the sides and in the overhead guard, together with an efficient ventilator and heater, help to ensure a climate controlled by the operator that helps to promote optimal performance and productivity throughout their shift.



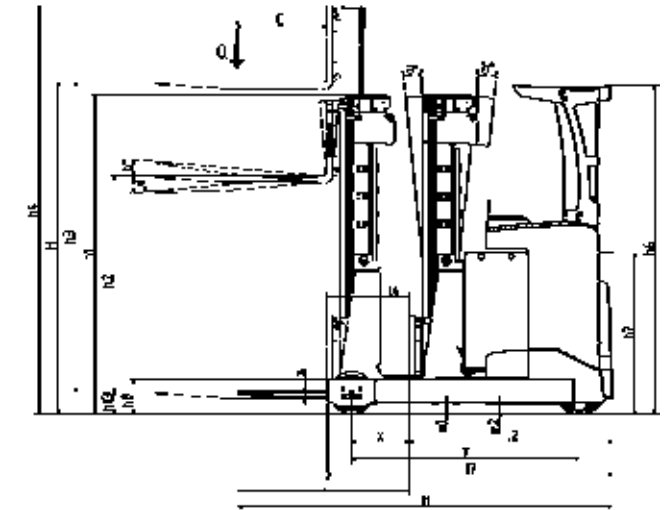
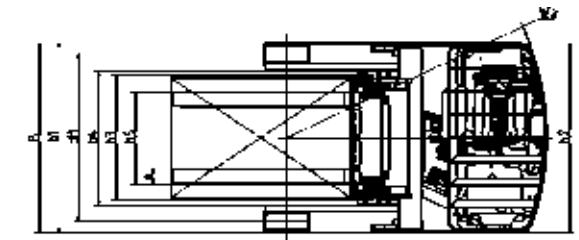
UHD 160 / 200 / 250



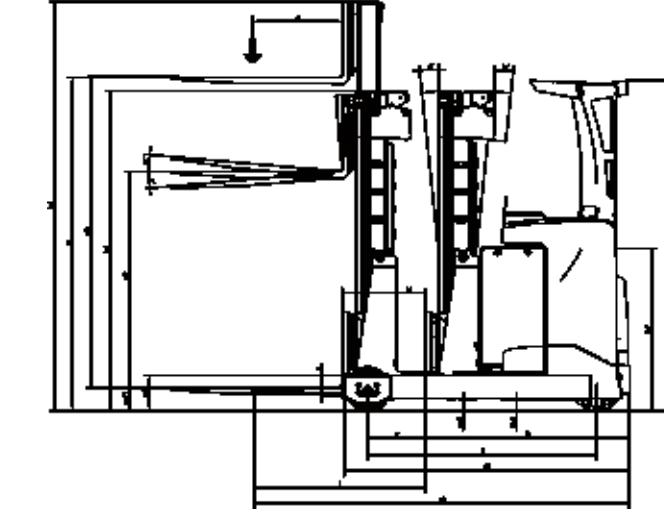
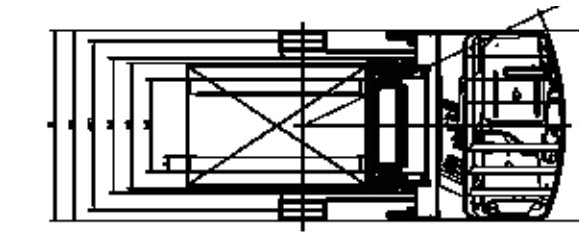
UMS 160 / 200



UHX 200



UND 140



	0	Specification		UHD 160	UHD 200	
Lift capacities	0a	Straddle leg position		Narrow	Narrow	
	1	Lift capacity	Q	1600	2000	
	1a	Load center	D	600	600	
	2	Lift height	H4	See table	See table	
	2a	Mast height	H3/H5	See table	See table	
	2b	Transport free lift	H2 TV mast			
	2c	Full free lift	H2 DT mast	H3-540	H3-540	
	2d	Straddle lift				
	3	Mast tilt – forward / backward		1 / 1 - 1 / 3	1 / 1 - 1 / 3	
	3a	Tilting forks – forward / backward		1 / 4	1 / 4	
Drive capacities	4	Lift speed – without load / with load		0.67 / 0.47	0.63 - 0.37	
	4a	Lift time – without load / with load				
	4b	Lift speed, ergolift – without load / with load				
	5	Lowering speed – without load / with load		0.50 / 0.52	0.43 - 0.55	
	5a	Lowering time – without load / with load				
	6	Drive speed – without load / with load		14.5-14.3	14.5-14.3	
	6a	Drive speed – without load / with load				
		Acceleration 1-10m				
		Without load / with load		4.8-4.4	4.4-4.8	
	8	Gradient – without load / with load	max	%	15.2-11.0	9.4 / 6.3
Truck measurements	10	Turning radius	R2	mm	1640	1750
	11	Smallest practical stacking aisle incl. 200mm play				
		Load length 1200mm	Ast	mm	2734*	2734*
		Load length 1000mm	Ast	mm	2534*	2534*
		Load length 800mm	Ast	mm	2334*	2334*
		Aisle width requirement according to BiTA GN9 UK market only	A1	mm		
			A2	mm		
			A3	mm		
		Smallest practical stacking aisle with pallet LL 1200 with the platform folded up / folded down	min	mm		
	11a	Intersecting aisle width. Load length 1200mm	min	mm		
11c	Max. load length	LL	mm			
11d	Max. load width	LB	mm			
Weights	13	Height of overhead guard	H6	mm	2205	2205
	13a	Height of driver seat	H7	mm	1077	1077
	13b	Step-in height	Y1	mm	390	390
	13c	Floor height		mm	570-640	570-640
	13d	Width of open gate		mm		
	14	Truck length	L	mm	1800	1910
	15	Truck width	B	mm	1270-1397	1270-1397
	15a	Width over guide wheels	A	mm		
	15b	Width over stabilizers	S	mm		
	15c	Platform length		mm		
Motors	15d	Platform width	B3	mm		
	15e	Height of platform gates		mm		
	16	Fork length	L1	mm	800-1000-1150	800-1000-1150
	17	Width over forks	V max/min	mm	697 / 316	697 / 316
	17a	Width between forks		mm		
	18	Reach length	U	mm	490-418*	600-456*
	19	Distance from back plate to retracted fork heel	L4 T-mast	mm	1335-1407*	
		Distance from back plate to retracted fork heel	L4 DT-mast	mm		1335-1479*
	20	Fork arm width – thickness	B1	mm	100-40	100-40
	20a	Fork height – lowered max.	H1	mm	50	50
Steering / brake system	21	Straddle height	H8	mm	235	235
	22	Width between straddles	B2	mm	903-1030	903-1030
	22a	Width over straddles		mm		
	23	Distance between front axle and retracted fork heel	L2	mm	306-234*	416-272*
	23a	Distance between front axle and center of attachment	L2	mm		
	23b	Distance between front axle and heel of extended fork	X1	mm		185
	24	Axle distance	L3	mm	1420	1530
	25	Wheel track, front rear (center lines wheels)		mm	1128-1255	1128-1255
	26	Ground clearance at half axle distance		mm	70	70
	27	Total weight with / without battery		kg	4150-3230*	4150-3230*
Motors	28	Max axle pressure, fork side, without / with classified load		kg	2028-4070*	1750-5500*
	29	Max axle load, drive side, without / with classified load		kg	2388-1958*	2400 / 650*
	30	Max wheel point loading, without / with classified load		MPa		4.9 / 7.0
	39	Battery capacity		kWh/Ah	600-775*	600-900
	39a	Battery voltage		V	48	48
	41	Drive motor		kW	7.2	7.2
	42	Speed regulation			Electric	AC Transistor
	43	Lift motor. Output / Interm. conn. time		kW-%/min	15	15-15%
	43a	Hydraulic pressure		MPa	15	15
	44	Wheel type, drive wheel / others			Vulcollan	Vulcollan
Steering / brake system	44a	Number of wheels, drive / caster – load wheels			1x / 2	1x / 2
	45	Wheel dimensions				
	45a	Load wheels - diameter x width			285x105	230x105/285x105
	45b	Drive wheel – diameter x width			355x155	355x155
	45c	Caster wheels – diameter x width				
	46	Steering			EL servo	EL power steering
	47	Service brake – type-acting on			Electric	EL - drive motor
	48	Parking brake – type-acting on			EL - drive motor	EL - drive motor

* varies according to battery size

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	0	UHD 250	UHX 200	UMS 160	UMS 200	UND 140
Lift capacities	0a	Narrow	Narrow	Narrow	Narrow	Narrow
	1	2500	2000	1600	2000	1400
	1a	600	600	600	600	600
	2	See table	See table	See table	See table	See table
	2a	See table	See table	See table	See table	See table
	2b					
	2c	H3-540	H3-540	H3-540	H3-540	H3-540
	2d					
	3	1 / 1 - 1 / 3		1 / 1 - 1 / 3	1 / 1 - 1 / 3	1 / 1 - 1 / 3
	3a	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4
Drive capacities	4	0.52 / 0.33	0.52 - 0.36	0.80 - 0.49	0.63 - 0.37	0.49 - 0.32
	4a					
	4b					
	5	0.43 - 0.55	0.45 - 0.54	0.48 - 0.49	0.43 - 0.58	0.48 - 0.57
	5a					
	6	12.0 - 12.0	12.0 - 12.0	14.5 - 14.3	14.5 - 14.3	12.5 - 12.3
	6a	4.4-4.8	4.4-4.8	4.4 - 4.8	4.4-4.8	4.4-4.9
	8	8.4 / 5.3	8.4 / 6.1	11.1 / 8.5	10.2 / 6.9	11.1 / 7.5
	10	1850	1750	1668	1750	1598
	11	2811* 2611* 2411*	2894* 2694* 2494*	2629* 2429* 2229*	2709* 2509* 2309*	2693* 2493* 2293*
Truck measurements	11a					
	11c					
	11d					
	13	2205	2205	2205	2205	2205
	13a	1077	1077	1077	1077	1077
	13b	390	390	390	390	390
	13c	570-640		570-640	570-640	
	13d					
	14	2010	1910	1800	1910	1725
	15	1397	1397	1270	1270-1397	1120
Weights	15a					
	15b					
	15c					
	15d					
	15e					
	16	1150	800-1000-1150	800-1000-1150	800-1000-1150	800-1000-1150
	17	697 / 318	697 / 316	697 / 316	697 / 318	697 / 316
	17a					
	18	328-556*	430	596-452*	625-481*	457-227*
	19	1412-1484	1495	1229-1373*	1310-1454*	1293-1473*
Motors	20	100-45	100-40	100-40	100-40	100-40
	20a	55	50	50	50	50
	21	235	235	235	235	235
	22	1030	1030	912	903-1030	900
	22a					
	23	439-367*	256	439-295*	441-297*	305-125*
	23a					
	23b	190		157	185	152
	24	1630	1530	1448	1530	1378
	25	0-1255	0-1255	0-1130	0-1128 / 1255	995-0
Steering / brake system	26	70	70	70	70	70
	27	4400-3303*	5200-3920*	3190-2455*	3740-2820*	3010-2279*
	28	2000 / 6100*	2410 / 6140*	1190 / 4140*	1450 / 5190*	1230 / 3840*
	29	2400 / 800*	2790 / 1060*	2000 / 650*	2290 / 550*	1780 / 570*
	30	4.9 / 7.3	5.1 / 7.3	4.5 / 6.4	4.8 / 6.4	4.3 / 7.0
	39	750-900		450-750	600-900	450-750
	39a	48	48	48	48	48
	41	7.2	7.2	7.2	7.2	5.9
	42	AC Transistor	AC Transistor	AC Transistor	AC Transistor	AC Transistor
	43	15-15%	15-15%	15-15%	15 - 15%	11 - 15%
Steering / brake system	43a	15	15	15	15	15
	44	Vulcollan	Vulcollan	Vulcollan	Vulcollan	Vulcollan
	44a	1x / 2	1x / 2	1x / 2	1x / 2	1x / 2
	45					
	45a	285x105	285x105	230x105	285x105	220x85
	45b	355x155	355x155	355x155	355x155	355x155
	45c					
	46	EL power steering	EL power steering	EL power steering	EL power steering	EL power steering
	47	EL - drive motor	EL - drive motor	EL - drive motor	EL - drive motor	EL - drive motor
	48	EL - drive motor	EL - drive motor	EL - drive motor	EL - drive motor	EL - drive motor

* varies according to battery size

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	Standard lift height H4	Min. mast height H3	Max. mast height H5	
UHD 160	6350	2957	6930	
	7050	3190	7630	
	7550	3357	8130	
	8050	3523	8630	
	8500	3673	9080	
	8950	3823	9530	
	9600	4040	10180	
	10200	4240	10780	
	10800	4440	11380	
	11500	4673	12080	
UHD 200	6350	2957	6930	
	7050	3190	7630	
	8050	3523	8630	
	8500	3673	9080	
	8950	3823	9530	
	9600	4040	10180	
	10800	4440	11380	
	11500	4673	12080	
	UHD 250	4800	2440	5380
		5850	2790	6430
6350		2957	6930	
7050		3190	7630	
7550		3357	8130	
8050		3523	8630	
8500		3673	9080	
8950		3823	9530	
UHX 200		9600	4040	10180
		10200	4240	10780
	10800	4440	11380	
	11100	4540	11680	
	11600	4707	12180	
	12100	4873	12680	
	UMS 160	4800	2140	5380
		5400	2340	5980
		6300	2640	6880
		6750	2790	7330
7250		2957	7830	
7500		340	8080	
7950		3190	8530	
8450		3357	9030	
8950		3523	9530	
UMS 200		4800	2140	5380
	5400	2340	5980	
	6300	2640	6880	
	6750	2790	7330	
	7250	2957	7830	
	7500	3040	8080	
	7950	3190	8530	
	8450	3357	9030	
	8950	3523	9530	
	UND 140	4800	2140	5380
5400		2340	5980	
5700		2440	6280	
6300		2640	6880	
6750		2790	7330	
7250		2957	7830	
7950		3190	8530	
8450		3357	9030	
8950		3523	9530	

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.



LogisnextAmericas.com/UniCarriers



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