

## Reach Trucks

UHD160 / UHD200-250 / UHX200 / UMS160-200 / UND140

High performance Reach Truck for maximum throughput in intense material handling operations.

Market-leading ergonomics with fully-adjustable operator environment and advanced support systems makes the operator focused and efficient all shift.

ProVision concept along with personal settings for top performance for lowest total cost of operation.



	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	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
	10	Turning radius	R2	1640	1750
	Truck measurements	11	Smallest practical stacking aisle incl. 200mm play		
		Load length 1200mm	Ast	2734*	2734*
		Load length 1000mm	Ast	2534*	2534*
		Load length 800mm	Ast	2334*	2334*
		Aisle width requirement according to BiTA GN9 UK market only	A1		
			A2		
			A3		
		Smallest practical stacking aisle with pallet LL 1200 with the platform folded up / folded down	min		
11a		Intersecting aisle width. Load length 1200mm	min		
11c		Max. load length	LL		
11d	Max. load width	LB			
Weights	13	Height of overhead guard	H6	2205	2205
	13a	Height of driver seat	H7	1077	1077
	13b	Step-in height	Y1	390	390
	13c	Floor height		570-640	570-640
	13d	Width of open gate			
	14	Truck length	L	1800	1910
	15	Truck width	B	1270-1397	1270-1397
	15a	Width over guide wheels	A		
	15b	Width over stabilizers	S		
	15c	Platform length			
Motors	15d	Platform width	B3		
	15e	Height of platform gates			
	16	Fork length	L1	800-1000-1150	800-1000-1150
	17	Width over forks	V max/min	697 / 316	697 / 316
	17a	Width between forks			
	18	Reach length	U	490-418*	600-456*
	19	Distance from back plate to retracted fork heel	L4 T-mast	1335-1407*	
		Distance from back plate to retracted fork heel	L4 DT-mast		1335-1479*
	20	Fork arm width – thickness	B1	100-40	100-40
	20a	Fork height – lowered max.	H1	50	50
Steering / brake system	21	Straddle height	H8	235	235
	22	Width between straddles	B2	903-1030	903-1030
	22a	Width over straddles			
	23	Distance between front axle and retracted fork heel	L2	306-234*	416-272*
	23a	Distance between front axle and center of attachment	L2		
	23b	Distance between front axle and heel of extended fork	X1		185
	24	Axle distance	L3	1420	1530
	25	Wheel track, front rear (center lines wheels)		1128-1255	1128-1255
	26	Ground clearance at half axle distance		70	70
	27	Total weight with / without battery		4150-3230*	4150-3230*
Steering / brake system	28	Max axle pressure, fork side, without / with classified load		2028-4070*	1750-5500*
	29	Max axle load, drive side, without / with classified load		2388-1958*	2400 / 650*
	30	Max wheel point loading, without / with classified load			4.9 / 7.0
	39	Battery capacity		600-775*	600-900
	39a	Battery voltage		48	48
	41	Drive motor		72	72
	42	Speed regulation		Electric	AC Transistor
	43	Lift motor. Output / Interm. conn. time		15	15-15%
	43a	Hydraulic pressure		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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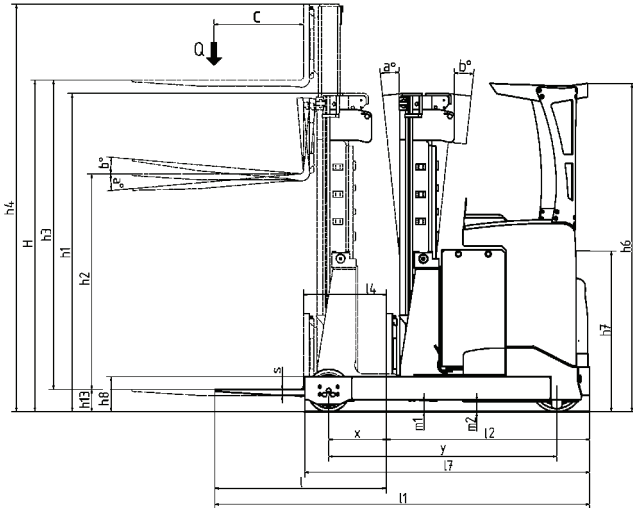
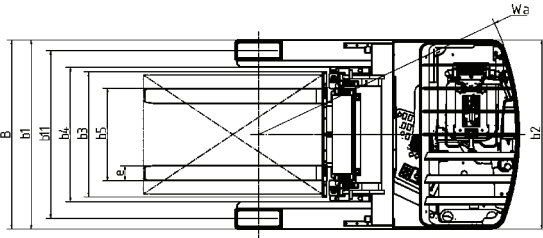
	0	UHD 250	UHX 200	UMS 160	UMS 200	UND 140
Lift capacities	0a	Narrow	Narrow	Narrow	Narrow	Narrow
	1	2500	2000	1600	2000	1400
	1a	600	600	600	600	600
	2	See table	See table	See table	See table	See table
	2a	See table	See table	See table	See table	See table
	2b					
	2c	H3-540	H3-540	H3-540	H3-540	H3-540
	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	72	72	72	72	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

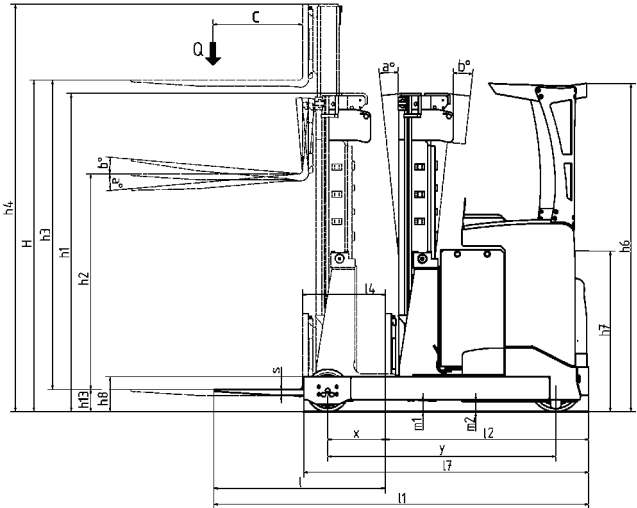
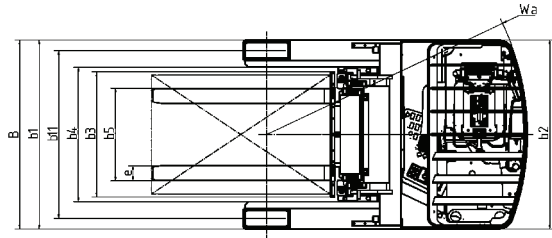
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	Standard lift height H4	Min. mast height H3	Max. mast height H5	
UHD 160	6350	2957	6930	
	7050	3190	7630	
	7550	3357	8130	
	8050	3523	8630	
	8500	3673	9080	
	8950	3823	9530	
	9600	4040	10180	
	10200	4240	10780	
	10800	4440	11380	
	UHD 200	6350	2957	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	

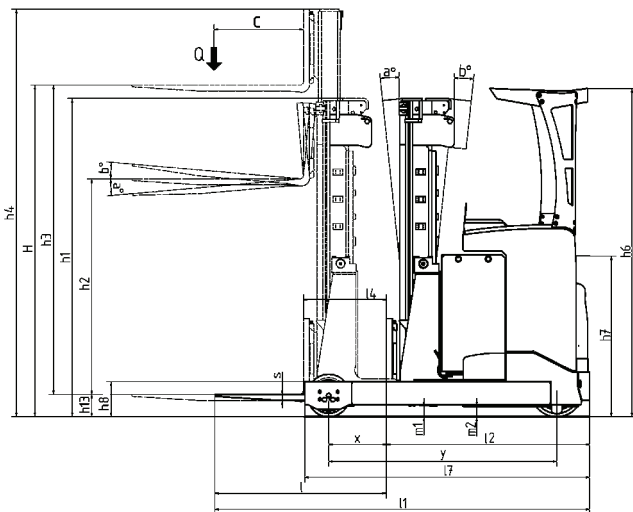
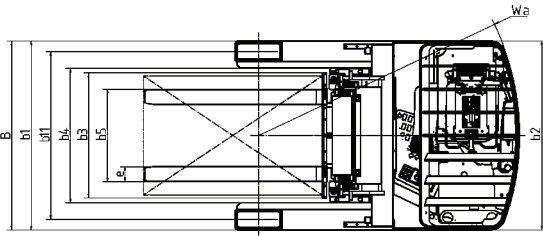
## UHD 160 / 200 / 250



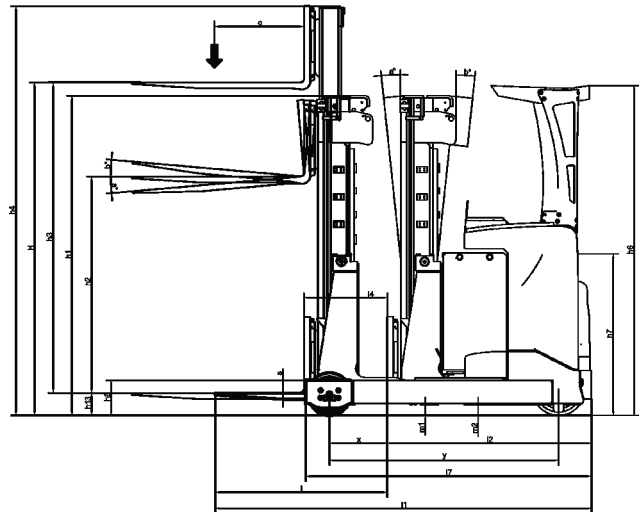
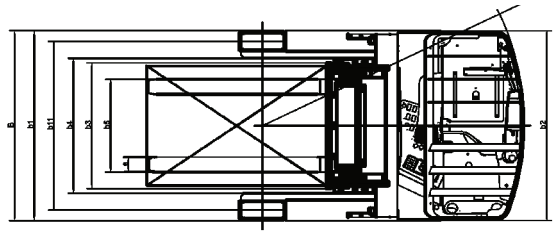
## UHX 200



## UMS 160 / 200



## UND 140



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