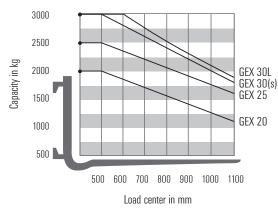
GENERAL DATA

Truck Capacities Capacity at different load centres



Note:

The listed capacities are valid only for the standard upright in vertical position with standard fork carriage and standard forks, up to max. lifting height of 3085 mm. The centre of gravity of the load may be displaced by max. 100 mm against the longitudinal centre plane of the truck. Load centre is determined from top and front face of the forks. The values are based on a 1000 mm cube load configu-ration with the centre of gravity at the true centre of the cube With upright tilted forward lower capacity values are valid. Attachments, longer forks, exceptional load dimensions and higher lifting heights can reduce the capacity. Please talk to your CLARK dealer if you require further information.

Upright table GEX 20/25

Mast type	Maximum Fork Height (h3)	Mast Lowered (h1)	Mast Extended (h4)		.owered (h4) (h2			
			with load backrest	without load backrest	with load backrest	without load backrest		
	mm	mm	mm	mm	mm	mm		
	2015	1575	3234	2612				
	2575	1855	3794	3172		110		
	2875	2005	4094	3472	110			
	3195	2165	4414	3792				
Standard	3725	2455	4944	4322				
Stanuaru	3860	2530	5079	4457	IIU	110		
	4165	2800	5384	4762				
	4380	3000	5599	4977				
	4620	3230	5839	5217				
	5170	3495	6389	5767				
	3860	1855	5079	4483	636	1232		
	4320	2005	5539	4943	786	1382		
	4800	2165	6019	5423	946	1542		
	5210	2305	6429	5833	1086	1682		
	5520	2455	6739	6143	1236	1832		
Triple	5740	2530	6959	6363	1311	1907		
	6100	2690	7319	6723	1471	2067		
	6370	2800	7589	6993	1581	2177		
	6830	3000	8049	7453	1781	2377		
	7315	3230	8534	7938	2011	2607		
	7800	3395	9019	8423	2176	2772		
	2935	2005	4154	3558	786	1382		
	3255	2165	4474	3878	946	1542		
HI-LO	3530	2305	4749	4153	1086	1682		
	3760	2455	4979	4383	1236	1832		
	3910	2530	5129	4533	1311	1907		

Upright table GEX 30L

Mast type	Maximum Fork Height (h3)	Mast Lowered (h 1)	Mast Extended (h4)			
			with load backrest	without load backrest	with load backrest	without load backrest
	mm	mm	mm	mm	mm	mm
	2015	1575	3234	2676		
	2575	1855	3794	3236		
	2875	2005	4094	3536		115
	3195	2165	4414	3856		
Standard	3725	2455	4944	4386	115	
Stanuaru	3860	2530	5079	4521	115	
	4165	2800	5384	4826		
	4380	3000	5599	5041		
	4620	3230	5839	5281		
	5170	3495	6389	5831		
	3860	1855	5079	4544	636	1172
	4320	2005	5539	5004	786	1322
	4800	2165	6019	5484	946	1482
	5210	2305	6429	5894	1086	1622
Triple	5520	2455	6739	6204	1236	1772
Triple	5740	2530	6959	6424	1311	1847
	6100	2690	7319	6784	1471	2007
	6370	2800	7589	7054	1581	2117
	6830	3000	8049	7514	1781	2317
	7315	3230	8534	7999	2011	2547

Upright table GEX 30/30s

ast type Maximum Fork Height (h3)		Fork Height Lowered		Mast Extended (h4)		Free Lift (h2)	
			with load backrest	without load backrest	with load backrest	without load backrest	
	mm	mm	mm	mm	mm	mm	
	2015	1575	3234	2682			
tandard	2575	1855	3794	3242		110	
	2875	2005	4094	3542			
	3195	2165	4414	3862			
	3725	2455	4944	4392	110		
	3860	2530	5079	4527	110		
	4165	2800	5384	4832			
	4380	3000	5599	5047			
	4620	3230	5839	5287			
	5170	3495	6389	5837			
	3860	1855	5079	4549	636	1167	
	4320	2005	5539	5009	786	1317	
	4800	2165	6019	5489	946	1477	
	5210	2305	6429	5899	1086	1617	
Triple	5520	2455	6739	6209	1236	1767	
	5740	2530	6959	6429	1311	1842	
	6100	2690	7319	6789	1471	2002	
	6370	2800	7589	7059	1581	2112	
	6830	3000	8049	7519	1781	2312	
	7315	3230	8534	8004	2011	2542	
	7800	3395	9019	8489	2176	2707	
	2935	2005	4154	3624	786	1317	
	3255	2165	4474	3944	946	1477	
HI-LO	3530	2305	4749	4219	1086	1617	
	3760	2455	4979	4449	1236	1767	
	3910	2530	5129	4599	1311	1842	

Performance may vary +5% and -10% due to motor and system efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine. CLARK products and specifications are subject to change without notice.

PRODUCT DESCRIPTION

Two powerful AC motors driving the front wheels, a very sturdy design without unnecessary plastic components and an extremely short wheelbase, distinguish the GEX 20-30L series from CLARK. Suitable for most applications thanks to a solid "built to last" construction and well thought-out driver's compartment.

Operator's Compartment

A large low positioned step, together with a grab handle on the drivers guard column allows easy access to the ergonomically designed operator's compartment. A full width rubber floor covering in the footwell ensures a firm footing in all conditions.

The tilting steering column and an easily adjustable comfort seat, gives maximum legroom enabling optimal adjustment to suit any driver.

The operator's foot pedals are arranged in the automotive fashion to avoid any confusion. The fully directional operating levers move smoothly giving precise control and are located at a perfect height to enable easy handling and a firm grip.

Essential operating data is displayed in real-time on the clear TFT LCD colour display. Three individually programmable operating modes (Economy-Normal-Power) as well as an additional crawl function allows you to optimally adapt the vehicle to the relevant work situation.

Easily accessible stowage compartments as well as quick access to the hand brake and emergency stop switch complete this impressive operator's compartment.

Motor, drive and control

Two powerful 7.8 kW AC motors driving the front wheels and 80 Volt three-phase current technology ensure excellent acceleration and high performance. The maintenance free AC motors ensure running costs are kept to a minimum.

The temperatures of the motors and controller are constantly monitored with the power being automatically adjusted to prevent design limits being exceeded.

The ZAPI DUAL AC control is equipped with modern MOSFET and CAN bus technology and is located safely, high in the counterweight, where it is protected, yet easily accessible. The motor and controller temperature monitoring devices serves to protect your investment.

Brake system

Three independent brake systems (electrical, foot and parking brake) ensure increase efficiency through improved utilisation of the battery capacity and high safety. Fully enclosed oil-immersed multiple-disc, foot and parking brake provide constant brake performance in all conditions.

The regenerative electrical brakes return energy to the battery during each braking action. This process saves energy costs, reduces brake wear and extends the driving time per battery charge.

If the driving direction is changed by operation of the direction lever, the electronics ensure gentle braking and progressive acceleration in the new direction of travel. The fully enclosed service brakes are protected against dust, damp and aggressive particles. Use under difficult environmental conditions is therefore possible without any problems.

The standard ramp start feature enables controlled operation of the truck on gradients and precise handling on loading platforms.

Steering system

The 101° degree angle of the steer wheels turns the GEX four-wheel forklift almost on the Talk to your CLARK dealer to find the optimum equipment for you.

D - 45478 Mülheim an der Ruhr email: info-europe@clarkmheu.com www.clarkmheu.com

is maintained due to the independent front wheel drive. of turn

Hydraulic system

hydraulics

The steel hydraulic tank ensures good heat dissipation for the hydraulic oil ensuring long service life for the hydraulic components. The full-flow return line filtration filters the oil to the tank at each reverse flow. Large particles are filtered directly via a suction filter, thereby preventing them from entering the oil circuit. This ensures a long service life for all hydraulic components.

Upright

disassembly

to ensure accurate for positioning.

Further standard equipment

Working headlights, acoustic reversing alarm, combination rear lights incorporating brake and reverse light, paintwork in a bright safety colour "CLARK Green", driver's compartment and upright in matt black, wheel rims in white finish.

Optional equipment

multifunction levers and much more

Safet

The GEX series is CE certified and corresponds to all European safety standards for counterbalanced forklift trucks.

CLARK Europe GmbH Neckarstraße 37 Tel.+49 208 377336 0 Fax+49 208 377336 36



spot – similar to the three-wheel forklift. Even in this position, smooth start up and control

Depending on the angle of the steer wheels, the speed and direction of rotation of the front wheels is controlled in such a way that significant wear of the tyres is avoided. When cornering, the traction speed is automatically reduced proportional to the degree

The independent, AC powered hydraulic pump only pumps the required oil volume for the relevant task, ensuring optimum energy efficiency and longer battery shift life. The internal gear hydraulic pump is distinguished by especially low pump noise combined with high efficiency. This saves energy and reduces the heat load on the

The clear-view uprights are available in Standard. Hilo and Triplex versions. The interlocking profiles provide high strength and improved safety, even at high levels. Enclosed canted rollers minimize deflection and can easily be adjusted without major

Tilt cylinders are mounted in spherical bushings, eliminating hydraulic seal strain, thereby increasing the service life of the complete cylinder. An integral tilt-lock valve prevents excessive tilt speeds and unintentional operation of the upright.

The upset forged forks ensure long service life and are hook mounted and pin lockable

A hydraulic cushioning valve reduces upright shocks and allows smooth lifting and lowering at all times, ensuring a long service life and less product damage. The sturdy 6-roller fork carriage features enclosed canted rollers together with adjustable side thrust rollers, preventing carriage jamming when handling offset loads.

Pneumatic or non-marking tyres, side battery change, attachments, cabs, mini- or

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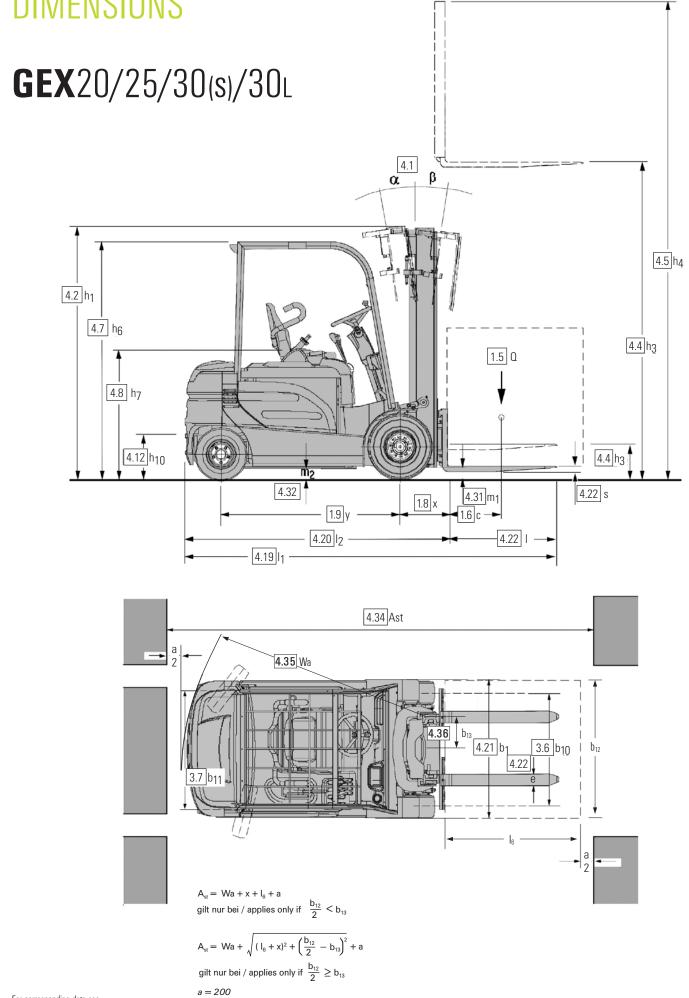
GEX20/25/30(s)/30L

80V Electric Lift Trucks Superelastic Tires 2.000 kg 2.500 kg 3.000 kg





DIMENSIONS



Product Specifications acc. to VDI 2198

_					
		Manufacturer (Abbreviation)		CLARK	CLARK
		Manufacturer's designation		GEX20	GEX25
s		Drive unit		Elec -80V	Elec -80V
ation		Operator type stand on / driver seated		Rider-seated	Rider-seated
Specifications		Load capacity / rated load	Q (Kg)	2000	2500
Spei		Load centre distance	c (mm)	500	500
	1.8	Load centre distance, centre of drive axle to fork face	x (mm)	415	415
		Wheelbase	y (mm)	1610	1610
=		Service weight	kg	4148	4348
Weight	2.2	Axle loading, laden front / rear	kg	5276/872	6107/741
>	2.3	Axle loading, unladen front / rear	kg	2139/2009	2186/2161
	3.1	Tyre type, SE = superelastic, $C = cushion$		SE	SE
SIS	3.2	Tyre size, front, superelastic		23x9-10	23x9-10
Tires, Chassis	3.3	Tyre size, rear, superelastic		18x7-8	18x7-8
es, [3.5	Wheels, number front/rear ($x = drive$ wheels)		2x/2	2x/2
Ē	3.6	Tread, front SE (C)	b10 (mm)	1005	1005
	3.7	Tread, rear	b ₁₁ (mm)	989	989
	4.1	Tilt of upright/fork carriage, a / b	deg	8/8	8/8
	4.2	Height, upright lowered	h₁(mm)	2165	2165
	4.3	Freelift	h₂(mm)	110	110
	4.4	Lift height *1	h₃(mm)	3195	3195
	4.5	Height, upright extended (with load backrest)	h ₄ (mm)	4414	4414
	4.7	Height overheadguard (Cabin)	h₀(mm)	2148 (2198)	2148 (2198)
	4.8	Seat height	h ₇ (mm)	1125	1125
		Coupling height	h ₁₀ (mm)	420	420
		Overall length	I ₁ (mm)	3410	3410
sions		Length to face of forks	I ₂ (mm)	2343	2343
Dimensions		Width	b ₁ . b ₂ (mm)	1230	1230
Ö		Fork dimensions	s • e • l (mm)	45x100x1067	45x100x1067
		Fork carriage DIN 15173, A, B	2 2 ()	II A	II A
		Fork carriage width	b₃ (mm)	1040	1040
		Ground clearance minimum, laden	m ₁ (mm)	135	135
		Ground clearance centre of wheelbase	$m_2 (mm)$	114	114
		Stacking aisle for pallets $(16 \cdot b12)$ 1000 x 1200 across	Ast(mm)	3630	3630
		Stacking aisle for pallets $(16 \cdot b12)$ 800 x 1200 along	Ast(mm)	3770	3770
		Turning radius	Wa(mm)	1925	1925
		Internal turning radius	b ₁₃ (mm)	86	86
		Travel speed laden/unladen	km/h	18/18	18/18
		Lift speed laden/unladen	m/s	0.48/0.54	0.41/0.54
Performance		Lowering speed laden/unladen	m/s	0.47/0.43	0.47/0.43
orm		Max. drawbar pull laden/unladen (S2 5 min) *2	N	20231/10297	20427/10562
Perf		max. gradeability laden/unladen (S2 5 min) *2	%	35.9/25.3	32.2/24.7
		Service brake	70	Wet disc brake	Wet disc brake
		Drive motor rating (S2 60 min)	kW	2x7.8	2x7.8
0		Lift motor rating (S2 35 min)	kW	19,1	19,1
Drive line		Battery acc. to DIN43531/35/36		DIN 43531A	DIN 43531A
Drive		Battery voltage, nominal capacity $K_{\rm s}$	V/Ah	80/620	80/620
		Battery weight (min)	v/ An kg	1558	1558
SU		Type of control	ĸy	AC / Inverter	AC / Inverter
aneo		Operating pressure for attachments	kg/cm²	140	140
Miscellaneous		Sound level, driver's ear *3	dB (A)	73	73
2	0.4		uD (A)	10	70

*1 Further lift heights see upright table *2 At friction coefficient $\mu{=}0.8$ with 1.6 km/h

*3 acc. to DIN EN 12053

Product Specifications acc. to VDI 2198

Manufacturer (Abbreviation) Manufacturer's designation Drive unit Operator type stand on / driver seated Load capacity / rated load Load capacity / rated load Load centre distance Load centre distance, centre of drive axle to fork face Wheelbase Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic Vheels, number front/rear (x = drive wheels) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	C (Kg) c (mm) x (mm) y (mm) kg kg kg kg kg b ₁₀ (mm) b ₁₁ (mm) deg h ₁ (mm) h ₂ (mm) h ₃ (mm) h ₄ (mm)	CLARK GEX30s Elec -80V Rider-seated 3000 500 420 1610 4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195 4414	CLARK GEX30 Elec -80V Rider-seated 3000 500 420 1750 4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	CLARK GEX30L Elec -80V Rider-seated 3000 600 435 1750 4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Drive unit Derator type stand on / driver seated Load capacity / rated load Load centre distance Load centre distance, centre of drive axle to fork face Wheelbase Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	c (mm) x (mm) y (mm) kg kg kg kg kg hg kg kg kg kg kg kg kg kg kg kg kg kg kg	Elec -80V Rider-seated 3000 500 420 1610 4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	Elec -80V Rider-seated 3000 500 420 1750 4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	Elec -80V Rider-seated 3000 600 435 1750 4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
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Load capacity / rated load Load centre distance Load centre distance, centre of drive axle to fork face Wheelbase Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	c (mm) x (mm) y (mm) kg kg kg kg kg hg kg kg kg kg kg kg kg kg kg kg kg kg kg	3000 500 420 1610 4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	3000 500 420 1750 4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	3000 600 435 1750 4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Load centre distance Load centre distance, centre of drive axle to fork face Mheelbase Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Mheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	c (mm) x (mm) y (mm) kg kg kg kg kg hg kg kg kg kg kg kg kg kg kg kg kg kg kg	500 420 1610 4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	500 420 1750 4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	600 435 1750 4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 8/8 2165 115
Load centre distance, centre of drive axle to fork face Mheelbase Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Mheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	x (mm) y (mm) kg kg kg kg b ₁₀ (mm) b ₁₁ (mm) b ₁₁ (mm) h ₂ (mm) h ₃ (mm) h ₄ (mm)	420 1610 4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	420 1750 4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	435 1750 4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Wheelbase Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, front, superelastic Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	y (mm) kg kg kg b b b b b b b b b b c mm k k k mm k k k mm k k k k mm k k k k mm k k k mm k	1610 4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	1750 4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	1750 4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Service weight Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Mheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	kg kg kg b ₁₀ (mm) b ₁₁ (mm) deg h ₁ (mm) h ₂ (mm) h ₃ (mm) h ₄ (mm)	4581 6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	4382 6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	4952 7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Axle loading, laden front / rear Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	kg k	6904/677 2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	6805/577 2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	7214/738 2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Axle loading, unladen front / rear Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Vre size, rear, superelastic Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	kg b ₁₀ (mm) b ₁₁ (mm) deg h ₁ (mm) h ₂ (mm) h ₃ (mm) h ₄ (mm)	2190/2391 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	2228/2154 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	2439/2513 SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Tyre type, SE = superelastic, C = cushion Tyre size, front, superelastic Tyre size, rear, superelastic Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	b ₁₀ (mm) b ₁₁ (mm) deg h ₁ (mm) h ₂ (mm) h ₃ (mm) h ₄ (mm)	SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	SE 23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Tyre size, front, superelastic Tyre size, rear, superelastic Mheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	$b_{11} (mm)$ deg $h_1(mm)$ $h_2(mm)$ $h_3(mm)$ $h_4(mm)$	23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	23x9-10 18x7-8 2x/2 1005 989 8/8 2165 110 3195	23x9-10 18x7-8 2x/2 1005 989 8/8 2165 115
Tyre size, rear, superelastic Mheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	$b_{11} (mm)$ deg $h_1(mm)$ $h_2(mm)$ $h_3(mm)$ $h_4(mm)$	18x7-8 2x/2 1005 989 8/8 2165 110 3195	18x7-8 2x/2 1005 989 8/8 2165 110 3195	18x7-8 2x/2 1005 989 8/8 2165 115
Wheels, number front/rear (x = drive wheels) Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	$b_{11} (mm)$ deg $h_1(mm)$ $h_2(mm)$ $h_3(mm)$ $h_4(mm)$	2x/2 1005 989 8/8 2165 110 3195	2x/2 1005 989 8/8 2165 110 3195	2x/2 1005 989 8/8 2165 115
Tread, front SE (C) Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	$b_{11} (mm)$ deg $h_1(mm)$ $h_2(mm)$ $h_3(mm)$ $h_4(mm)$	1005 989 8/8 2165 110 3195	1005 989 8/8 2165 110 3195	1005 989 8/8 2165 115
Tread, rear Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	$b_{11} (mm)$ deg $h_1(mm)$ $h_2(mm)$ $h_3(mm)$ $h_4(mm)$	989 8/8 2165 110 3195	989 8/8 2165 110 3195	989 8/8 2165 115
Tilt of upright/fork carriage, a / b Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	m deg $ m h_1(mm)$ $ m h_2(mm)$ $ m h_3(mm)$ $ m h_4(mm)$	8/8 2165 110 3195	8/8 2165 110 3195	8/8 2165 115
Height, upright lowered Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	h₁(mm) h₂(mm) h₃(mm) h₄(mm)	2165 110 3195	2165 110 3195	2165 115
Freelift Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	h₂(mm) h₃(mm) h₄(mm)	110 3195	110 3195	115
Lift height *1 Height, upright extended (with load backrest) Height overheadguard (Cabin)	h₃(mm) h₄(mm)	3195	3195	
Height, upright extended (with load backrest) Height overheadguard (Cabin)	h₄(mm)			3195
Height overheadguard (Cabin)			4414	4409
	110(11111)	2148 (2198)	2148 (2198)	2148 (2198)
bout horgine	h ₇ (mm)	1125	1125	1125
Coupling height	h ₁₀ (mm)	420	420	420
Dverall length	$I_1(mm)$	3415	3547	3562
Length to face of forks	$I_2(mm)$	2348	2480	2495
Width	b ₁ . b ₂ (mm)	1230	1230	1230
Fork dimensions	s • e • I (mm)	45x122x1067	45x122x1067	50x122x1067
Fork carriage DIN 15173, A, B		III A	III A	III A
Fork carriage width	b3 (mm)	1040	1040	1040
Ground clearance minimum, laden	m ₁ (mm)	135	135	135
Ground clearance centre of wheelbase	m ₂ (mm)	114	114	114
Stacking aisle for pallets (16 • b12) 1000 x 1200 across		3635	3806	3820
Stacking aisle for pallets (16 • b12) 800 x 1200 along	Ast(mm)	3775	3942	3957
Furning radius	Wa(mm)	1925	2087	2087
				61
0				18/18
•				0.38/0.50
•				0.47/0.43
• •				0462/11871
•				26.6/24.5
5 1 1 1	70			Wet disc brake
	kW			2x7.8
Lift motor rating (S3 15%)	kW			19,1
				DIN 43531A
Battery acc. to DIN43531/35/36	V/Ah			80/775
				1863
Battery voltage, nominal capacity K_s	KII I			AC / Inverter
Battery voltage, nominal capacity K ₅ Battery weight (min)	ку	AU / INVENEL		
Battery voltage, nominal capacity K_s	kg/cm ²	140	140	140
In Ir Lif M Se Di	ternal turning radius avel speed laden/unladen ft speed laden/unladen av. drawbar pull laden/unladen (S2 5 min) *2 ax. gradeability laden/unladen (S2 5 min) *2 arvice brake rive motor rating (S2 60 min) ft motor rating (S3 15%) attery acc. to DIN43531/35/36 attery voltage, nominal capacity K ₅	ternal turning radius b13 (mm) avel speed laden/unladen km/h ft speed laden/unladen m/s owering speed laden/unladen m/s ax. drawbar pull laden/unladen (S2 5 min) *2 N ax. gradeability laden/unladen (S2 5 min) *2 % ervice brake rive motor rating (S2 60 min) kW ft motor rating (S3 15%) kW attery acc. to DIN43531/35/36 attery voltage, nominal capacity K5 V/Ah attery weight (min) kg	ternal turning radius b ₁₃ (mm) 86 avel speed laden/unladen km/h 18/18 ft speed laden/unladen m/s 0.38/0.50 owering speed laden/unladen m/s 0.47/0.43 ax. drawbar pull laden/unladen (S2 5 min) *2 N 20536/10623 ax. gradeability laden/unladen (S2 5 min) *2 % 28.1/23.8 ervice brake Wet disc brake rive motor rating (S2 60 min) kW 2x7.8 ft motor rating (S3 15%) kW 19,1 attery acc. to DIN43531/35/36 DIN 43531A attery voltage, nominal capacity K ₅ V/Ah 80/620 attery weight (min) kg 1558	ternal turning radius b_{13} (mm) 86 61 avel speed laden/unladen km/h 18/18 18/18 ft speed laden/unladen m/s 0.38/0.50 0.38/0.50 owering speed laden/unladen m/s 0.47/0.43 0.47/0.43 ax. drawbar pull laden/unladen m/s 20536/10623 20574/10827 ax. drawbar pull laden/unladen (S2 5 min) *2 % 28.1/23.8 29.6/25 ervice brake Wet disc brake Wet disc brake Wet disc brake vive motor rating (S2 60 min) kW 2x7.8 2x7.8 ft motor rating (S3 15%) kW 19,1 19,1 attery voltage, nominal capacity K ₅ V/Ah 80/620 80/775 attery weight (min) kg 1558 1863 rpe of control AC / Inverter AC / Inverter

*1 Further lift heights see upright table *2 At friction coefficient $\mu{=}0.8$ with 1.6 km/h

*3 acc. to DIN EN 12053