

carer
Electric Forklift Trucks

Capacity / Load centre
10.000 kg / 600 mm - 12.000 kg / 600 mm
Voltage: 96 V
Extremely compact machine,
ideal to handle heavy loads inside containers

K
SERIES



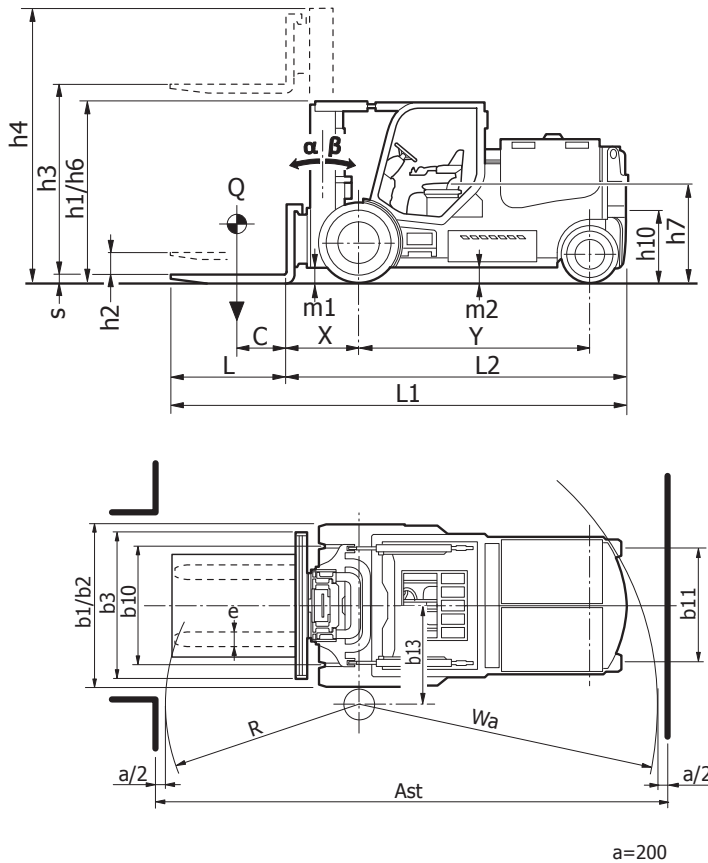
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Electric Forklift Trucks

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K 100 ZH
K 120 ZH

MAIN FEATURES

- Capacity / Load centre:
10.000 kg / 600 mm - 12.000 kg / 600 mm
- Voltage: 96 V
- Tyres: super elastic twins
- Motors: AC
- Brakes: electric
- Travel speed: 12 km/h
- Lifting speed: 0.33 m/s
- Battery 96 V – Maximum capacity 1680 Ah
- Multifunction display easy info (MDE)
- High positioned tilt cylinders



THE BENEFITS OF CHOOSING CARER

Designed for handling heavy loads inside containers, the K 100-120 ZH series offers high performance and reliable manoeuvrability thanks to a system of cameras that allows to get maximum rear visibility in the difficult conditions when handling loads.

Operator's comfort

The cabin is spacious and comfortable. The levers are easy to use. The steering column is tiltable and telescopic.

The electronic system allows to set up the parameters of operations by allowing to balance performance and autonomy of the battery for obtaining the most suitable configuration to the use and sensibility of the driver.

Specifications

High performance AC motors



supply high torque. The power is managed electronically in this series of trucks.

Acceleration, speed and manoeuvrability are unmatched. The oil-bath brake system is used to keep lower maintenance costs and is suitable in many demanding applications.

The braking system is equipped by energy recovery, which works changing travel's direction, pushing

on brake pedal and releasing accelerator pedal.

The way of braking can be adjusted to the driver's requirements.

Easy and safe to drive, these machines are fitted with a sturdy axle, which ensures very accurate and smooth steering operations due to the separate steering motor and pump.



K 100 ZH
K 120 ZH



FEATURES			C.A.R.E.R. Srl	
			K100ZH	K120ZH
1.1	Manufacturer			
1.2	Manufacturer's type designation			
1.3	Drive		electric	electric
1.4	Operator type		seat	seat
1.5	Load capacity/rated load	Q (t)	10	12
1.6	Load centre distance	C (mm)	600	600
1.8	Load distance	X (mm)	830 (1) (2)	870 (1) (2)
1.9	Wheelbase	Y (mm)	2850	2850
WEIGHTS	2.1	Weight	(kg)	15000
	2.2	Axle loading, laden front / rear	(kg)	22000 / 3000
	2.3	Axle loading, unladen front / rear	(kg)	6980 / 8020
WHEELS	3.1	Tyres type		SEG
	3.2	Tyre size, front		10.00-20
	3.3	Tyre size, rear		250/15
	3.5	Wheels, number front rear (x = driven wheels)		4X/2
	3.6	Track width, front	b10 (mm)	1470
	3.7	Track width, rear	b11 (mm)	1400
	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	7/8(2)
DIMENSIONS	4.2	Closed mast height	h1 (mm)	2230
	4.3	Free lift	h2 (mm)	750
	4.4	Lift (standard mast)	h3 (mm)	2100
	4.5	Height, mast extended	h4 (mm)	3550
	4.7	Height of overhead guard	h6 (mm)	2230
	4.8	Seat height	h7 (mm)	1150
	4.12	Coupling height	h10 (mm)	860
	4.19	Overall length	L1 (mm)	5310
	4.20	Length to face of forks	L2 (mm)	4110
	4.21	Overall width	b1/b2 (mm)	2000
	4.22	Fork dimensions	exsXL (mm)	200x70x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B		5A
	4.24	Fork-carriage width	b3 (mm)	1800
	4.31	Ground clearance, laden, below mast	m1 (mm)	200
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	180
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	5785
PERFORMANCE	4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	5985
	4.35	Turning radius	Wa (mm)	3765
	4.36	Internal turning radius	b13 (mm)	1400
	5.1	Travel speed, laden / unladen	(km/h)	12 / 12
	5.2	Lift speed, laden / unladen	(m/s)	0.21 / 0.33
	5.3	Lowering speed, laden / unladen	(m/s)	0.4 / 0.35
	5.5	Drawbar pull, laden / unladen (S2 60')	(N)	6400 / 7200
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	15900 / 16700
	5.7	Gradeability, laden / unladen (S2 30')	(%)	5.2 / 9.8
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	8 / 14
MOTOR / BATT.	5.9	Acceleration time, laden / unladen (10 m)	(s)	6.5 / 6.2
	5.10	Service brake: mech./hydr./electr.		electric
	6.1	Drive motor rating (S2 60')	(kW)	27
	6.2	Lift motor rating (S3 20%)	(kW)	45
	6.4	Battery voltage	U (V)	96
OTHERS	6.4.1	Rated capacity	K5 (Ah)	1550 / 1680 (TENSOR)
	6.5	Battery weight minimum/maximum	(kg)	4500 / 4900
	8.1	Type of drive control		inverter
	8.2	Operating pressure for attachments	(bar)	160
	8.4	Sound level at the driver's ear	(dBA)	-

VDI 2198

Rev4 25/03/2020

(1) With sideshifter integrated in the mast.

(2) Depending on kind of mast.

Wheels tyre legend: SE super elastic - SEG super elastic twins - C cushion - PN pneumatic - VLK vulkan: for tyres NO MARKING - OIL RESISTANT, please, contact CARER.

The performance data refer to a forklift truck in perfect working condition, with battery weight corresponding to the values given in 6.5.

In accordance with VDI Guideline 2198 this specification sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

The CARER products and specifications are subject to change without notice.