

# ELECTRIC FORKLIFT TRUCK SERIES K 100-120

CAPACITY 10.000-12.000 Kg  
CENTER OF GRAVITY 600mm  
VOLTAGE 120V  
CONTAINER VERSION  
HIGH PERFORMANCES AND  
LARGE MANEUVERABILITY  
CAMERAS SYSTEM FOR  
MAXIMUM REAR VISIBILITY WHEN  
HANDLING LARGE LOADS

# K

**carer**  
Electric Forklift Trucks

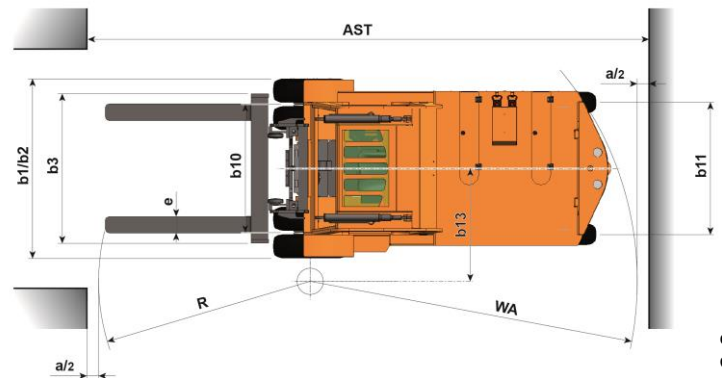
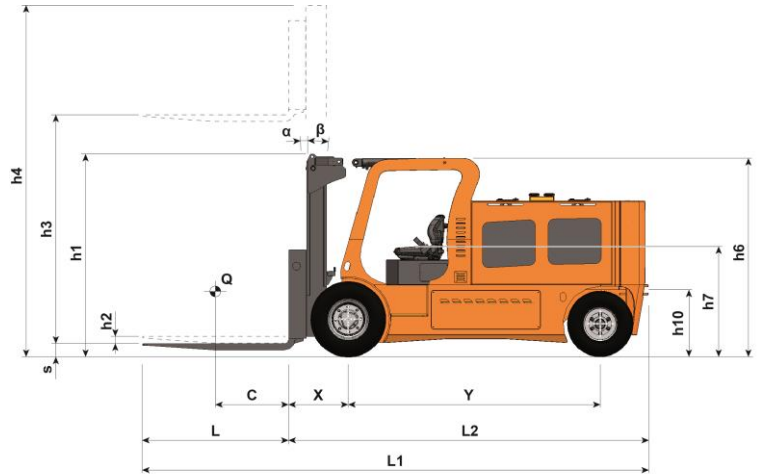




# ELECTRIC FORKLIFT TRUCK CARER K 100-120

## MAIN FEATURES

- LOAD CAPACITY 10.000-12.000 Kg
- CENTER OF GRAVITY 600mm
- VOLTAGE 96V
- CONTAINER VERSION
- TOTAL HEIGHT = 2150mm
- TYRE DUAL SUPER ELASTIC
- MOTOR AC
- MULTIFUNCTION DISPLAY EASY INFO (MDE)
- OIL IMMERSED BRAKES
- HIGH POSITIONED TILT CYLINDERS
- TRAVEL SPEED 12,0 km/h
- LIFTING SPEED 0,33 m/s
- BATTERY 96V – Maximum capacity 1860Ah



rev 3.0

## The benefits of choosing CARER

Designed for handling heavy loads inside containers, the K100-120 offers high performance and reliable maneuverability thanks to a system of cameras that allows you to get maximum visibility to the rear in the difficult conditions when handling loads in containers.



### operator comfort

The driver's seat is spacious and comfortable. The levers are easy to use. The steering wheel has a tiltable and telescoping steering column.

The control panel, easy info indicates the battery condition, the working hours and operates

the battery discharge indicator by blocking the lifting mode when the battery indicates a low level. This is done to prevent battery damage.

### Specifications

The electric motors are high performance version and supply high torque.

The power is managed electronically in this series of trucks inspired, speed and maneuverability are unmatched. The braking system, type oil-bath is used to lower maintenance cost and can be used in many applications. The braking system is very effective due to the fact that the braking is applied by slowing down on the drive motor, in this way the current that is regenerated can be reused and the manner of braking can be adjusted to the drivers requirements. When using the directional lever the regenerative braking will be increased to change direction in



in a faster way.

Easy and safe handling, the machines are fitted with a sturdy axle, designed by Carer, which ensures very sharp steering of the trucks in combination with a soft and accurate steering due to the separate steering motor and pump.



		C.A.R.E.R. Srl			
IDENTIFICATION	1.1	Manufacturer			
	1.2	Manufacturer's type designation	<b>K100</b>	<b>K120</b>	
	1.3	Drive	electric	electric	
	1.4	Operator type	seat	seat	
	1.5	Load capacity/rated load	<b>Q</b> (t)	10	12
	1.6	Load centre distance	<b>C</b> (mm)	600	600
	1.8	Load distance	<b>X</b> (mm)	760 (1) (2)	860 (1) (2)
	1.9	Wheelbase	<b>Y</b> (mm)	2760	2760
	WEIGHTS	2.1	Weight	(kg)	14700
2.2		Axle loading, laden front / rear	(kg)	22070 / 2630	27450 / 2150
2.3		Axle loading, unladen front / rear	(kg)	7140 / 7560	9100 / 8500
WHEELS	3.1	Tyres type		SEG	SEG
	3.2	Tyre size, front		300-15	300-15
	3.3	Tyre size, rear		250-15	250-15
	3.5	Wheels, number front rear (x = driven wheels)		4X/2	4X/2
	3.6	Track width, front	<b>b10</b> (mm)	1400	1400
	3.7	Track width, rear	<b>b11</b> (mm)	1420	1420
	DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	$\alpha/\beta$ (°)	4/8(2)
4.2		Closed mast height	<b>h1</b> (mm)	2150	2150
4.3		Free lift	<b>h2</b> (mm)	895	895
4.4		Lift (standard mast)	<b>h3</b> (mm)	2600	2600
4.5		Height, mast extended	<b>h4</b> (mm)	3920	3920
4.7		Height of overhead guard	<b>h6</b> (mm)	2150	2150
4.8		Seat height	<b>h7</b> (mm)	1150	1150
4.12		Coupling height	<b>h10</b> (mm)	720	720
4.19		Overall length	<b>L1</b> (mm)	5200	5340
4.20		Length to face of forks	<b>L2</b> (mm)	4000	4140
4.21		Overall width	<b>b1/b2</b> (mm)	1950	1950
4.22		Fork dimensions	<b>exsL</b> (mm)	200x80x1200	200x80x1200
4.23		Fork carriage iso 2328/30, FEM/A,B		5A	5A
4.24		Fork-carriage width	<b>b3</b> (mm)	1600	1600
4.31		Ground clearance, laden, below mast	<b>m1</b> (mm)	135	135
4.32		Ground clearance, centre of wheelbase	<b>m2</b> (mm)	135	135
4.33	Aisle width for pallets 1000x1200 crossways	<b>Ast</b> (mm)	5650	5750	
4.34	Aisle width for pallets 800x1200 lengthways	<b>Ast</b> (mm)	5850	5950	
4.35	Turning radius	<b>Wa</b> (mm)	3690	3690	
4.36	Internal turning radius	<b>b13</b> (mm)	1380	1380	
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	12,0/12,0	11,0/11,0
	5.2	Lift speed, laden / unladen	(m/s)	0,21/0,33	0,19/0,30
	5.3	Lowering speed, laden / unladen	(m/s)	0,40/0,35	0,40/0,30
	5.5	Drawbar pull, laden / unladen (S2 60')	(N)	6400 / 7200	5800 / 6600
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	15900 / 16700	15300 / 16100
	5.7	Gradeability, laden / unladen (S2 30')	(%)	5,2 / 9,8	4 / 7,9
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	8 / 14	6,5 / 12
	5.9	Acceleration time, laden / unladen (10 m)	(s)	6,5 / 6,2	7,2 / 6,8
	5.10	Service brake: mech./hydr./electr.		hydraulic/electric	hydraulic/electric
	MOTOR / BATT.	6.1	Drive motor rating (S2 60')	(kW)	27
6.2		Lift motor rating (S3 20%)	(kW)	45	45
6.4		Battery voltage	<b>U</b> (V)	96	96
6.4.1		Rated capacity	<b>K5</b> (Ah)	1500/1680/1860	1680/1860
6.5		Battery weight minimum/maximum	(kg)	4600/5500	5100/5500
OTHERS	8.1	Type of drive control		inverter	inverter
	8.2	Operating pressure for attachments	(bar)	160	160
	8.4	Sound level at the driver's ear	(dBA)	-	-

VDI 2198

Rev5 25/11/13

(1)With side-shifter integrated in the mast

(2)Mast dependent

Wheels tyre legend: SE super elastic - SEGEM super elastic twins - C cushion - L pneumatic - VLK vulkolan

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 C.A.R.E.R. products and specifications are subject to change without notice



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