

Z SERIES

Capacity / Centre of gravity

8.000 kg / 900 mm

9.000 kg - 10.000 kg / 600 mm

Voltage 96 V

Raised operator's seat for maximum visibility
even with very bulky loads

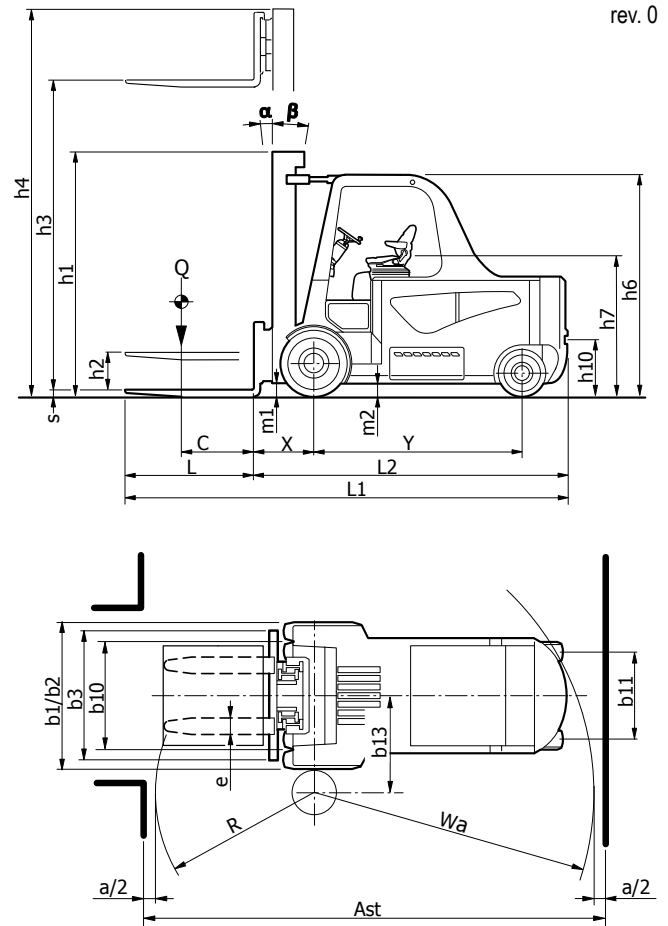
Compact size



K 80/900 H²
K 90 H²
K 100 H²

MAIN FEATURES

- Capacity / Centre of gravity:
8.000 kg / 900 mm
9.000 kg - 10.000 kg / 600 mm
- Voltage: 96 V
- Tyres: super elastic twins
- 2 front drive motors AC
- Travel speed: 15 km/h
- Lifting speed: 0,44 m/s
- Battery 96 V – Maximum capacity 1500 Ah
- Advanced multifunction display (AMD)
- Reversing camera
- Automatic parking brake
- High positioned tilt cylinders
- Automatic cornering speed reduction system



rev. 0

THE BENEFITS OF CHOOSING CARER

The driver's seat is wide and spacious. The controls and instruments are arranged respecting ergonomic sizing requirements.

The steering wheel has a tilting steering column and can also be adjusted depth-wise.

The wide seat has a damping system, can be adjusted in any direction also based on the weight of the operator.

A large handle and two wide steps make it easy to reach the driver's seat. Exceptional visibility at the front and the back thanks to the raised driving position.

The electronic control alternating current ensures the maximum silence and maximum engine efficiency. The electric motors in this compact electric forklift are developed and designed to withstand heavy-duty use.

The electronic braking system, mounted directly on the two front traction motors, guarantees outstanding effectiveness and duration with minimum energy consumption.

Moreover, the electric braking has three energy recovery features: releasing the acceleration pedal, pressing the brake pedal or reversing the direction of travel. The high tilt cylinders ensure excellent stability of the upright, thereby reducing torsion's thanks



to their position and the long lever arms.

The special frame structure is able to house large 96 V batteries.

The battery is divided into two to facilitate easy, safe and fast lateral removal.



FEATURES	1.1	Manufacturer	C.A.R.E.R. Srl		
			Z80/900H ²	Z90H ²	Z100H ²
WEIGHTS	1.2	Manufacturer's type designation	electric	electric	electric
WHEELS	1.3	Drive	seat	seat	seat
DIMENSIONS	1.4	Operator type	8	9	10
PERFORMANCE	1.5	Load capacity/rated load	Q (t)	8	9
MOTOR/BATT.	1.6	Load centre distance	C (mm)	900	600
OTHERS	1.7	Load distance	X (mm)	700 (1) (2)	710 (1) (2)
	1.8	Wheelbase	Y (mm)	2500	2500
	2.1	Weight	(kg)	14100	14150
	2.2	Axle loading, laden front / rear	(kg)	20190 / 1910	20820 / 2330
	2.3	Axle loading, unladen front / rear	(kg)	7070 / 7030	7100 / 7050
	3.1	Tyres type		SEG	SEG
	3.2	Tyre size, front		8.25-15	300-15
	3.3	Tyre size, rear		315X45-12	315X45-12
	3.5	Wheels, number front rear (x = driven wheels)		4X/2	4X/2
	3.6	Track width, front	b10 (mm)	1410	1486
	3.7	Track width, rear	b11 (mm)	1200	1200
	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	7/6(2)	7/6(2)
	4.2	Closed mast height	h1 (mm)	2895	2895
	4.3	Free lift	h2 (mm)	100	100
	4.4	Lift (standard mast)	h3 (mm)	3400	3400
	4.5	Height, mast extended	h4 (mm)	4750	4750
	4.7	Height of overhead guard	h6 (mm)	2650	2650
	4.8	Seat height	h7 (mm)	1635	1635
	4.12	Coupling height	h10 (mm)	680	680
	4.19	Overall length	L1 (mm)	5600	5010
	4.20	Length to face of forks	L2 (mm)	3800	3810
	4.21	Overall width	b1/b2 (mm)	1850	2020
	4.22	Fork dimensions	exsXL (mm)	200x70x1800	200x60x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B		4A	5A
	4.24	Fork-carriage width	b3 (mm)	1800	1800
	4.31	Ground clearance, laden, below mast	m1 (mm)	170	170
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	110	110
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	5165	5200
	4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	5365	5400
	4.35	Turning radius	Wa (mm)	3285	3285
	4.36	Internal turning radius	b13 (mm)	1100	1135
	5.1	Travel speed, laden / unladen	(km/h)	14 / 15	14 / 15
	5.2	Lift speed, laden / unladen	(m/s)	0,3 / 0,44	0,28 / 0,4
	5.3	Lowering speed, laden / unladen	(m/s)	0,43 / 0,35	0,49 / 0,35
	5.5	Drawbar pull, laden / unladen (S2 60°)	(N)	6400 / 7200	6100 / 6850
	5.6	Max. drawbar pull, laden / unladen (S2 5°)	(N)	15900 / 16700	15150 / 15900
	5.7	Gradeability, laden / unladen (S2 30°)	(%)	5 / 9,5	4,7 / 9
	5.8	Max. gradeability, laden / unladen (S2 5°)	(%)	8 / 13,5	7,7 / 12,7
	5.9	Acceleration time, laden / unladen (10 m)	(s)	6,2 / 5,8	5,8 / 5,4
	5.10	Service brake: mech./hydr./electr.		hydraulic/electric	hydraulic/electric
	6.1	Drive motor rating (S2 60°)	(kW)	2x15	2x15
	6.2	Lift motor rating (S3 20%)	(kW)	45	45
	6.4	Battery voltage	U (V)	96	96
	6.4.1	Rated capacity	K5 (Ah)	1380 / 1500	1380 / 1500
	6.5	Battery weight minimum/maximum	(kg)	4000 / 4300	4000 / 4300
	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)	72	72

(1) With side-shifter 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 vulkolan: 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.



Electric Forklift Trucks

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