

ELECTRIC FORKLIFT TRUCK SERIES Z 80/900 H - Z 100 H

8.000Kg/900mm
10.000Kg/600mm
VOLTAGE 96V
HIGH DRIVING POSITION
FOR MAXIMUM
VISIBILITY EVEN WITH
VERY BULKY LOADS
COMPACT SIZE

carer
Electric Forklift Trucks

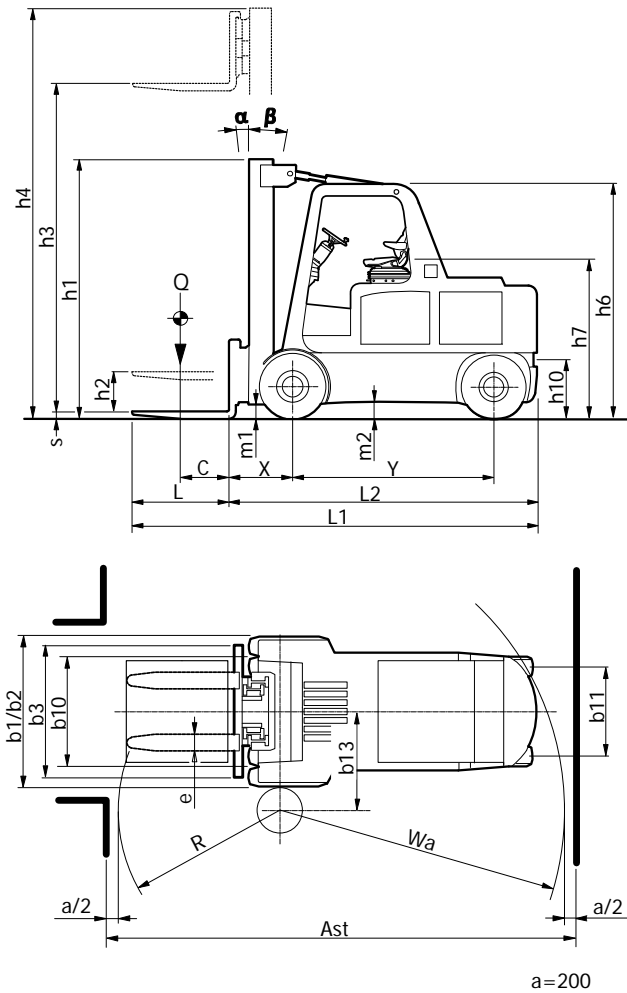


carer
Electric Forklift Trucks

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MAIN FEATURES

- CAPACITY 8.000Kg/900mm – 10.000Kg/600mm
- VOLTAGE 96V
- TYRES DUAL SE
- AC MOTORS
- MULTIFUNCTION DISPLAY EASY INFO (MDE)
- OIL IMMERSED BRAKE
- TRAVEL SPEED 15,0 km/h
- LIFTING SPEED 0,44 m/s
- BATTERY 96V 1500Ah
- HIGH TILT CYLINDERS



The benefit of choosing Carer

The driver's seat is wide and spacious. The layout of the controls and instruments on board meet the ergonomic sizing. The steering wheel has the tilt steering and is also adjustable in depth.

The wide seat is cushioned, adjustable in each direction and also based on the weight of the operator.

A large handle and two wide steps provide easy access to the driving position.

The front and rear visibility is excellent thanks to the raised driving position, the electronic control MOSFET high frequency ensures low noise and maximum engine performance. The system is protected and is placed in the rear to facilitate easy access during maintenance operations.

The electric motors are developed and designed to support demanding applications and are excited in series with the armature winding in copper strip.

The electric braking energy recovery features to the release of the brake pedal and reversing the

direction of travel.

The tilt cylinders provide excellent stability of the mast reducing twists due to their location and large lever arms.



CHARACTERISTICS		C.A.R.E.R. Srl		C.A.R.E.R Srl	
1,1	Manufacturer		C.A.R.E.R. Srl		C.A.R.E.R Srl
1,2	Type		Z80@900H		Z100H
1,3	Power Source: Battery, diesel, gas, electric mains		battery		Battery
1,4	Operation: manual, pedestrian, stand, seat		seated		seated
1,5	Load capacity	Q (t)	8,0		10,0
1,6	Load center	C (mm)	900		600
1,8	Load distance	X (mm)	680 (1)		720 (1)
1,9	Wheelbase	Y (mm)	2500		2500
WEIGHTS					
2,1	Unladen weight (max. battery)	(kg)	13840		14787
2,2	Axle loading laden front/rear (max. battery)	(kg)	19777/2063		22688/2099
2,3	Axle loading unladen front/rear (max. battery)	(kg)	6720/7120		7410/7377
WHEELS AND TYRES					
3,1	Tyres: C= cushion, SE= super-elastic, PN= Pneumatic, SEG= dual super-elastic PNG= dual pneumatic, VLK= vulkollan		SEG		SEG
3,2	Tyre size, front		8.25-15		300-15
3,3	Tyre size, rear		315/45-12		315/45-12
3,5	Wheels: Number front / rear (X = driven)		4X/2		4X/2
3,6	Track width, front, standard/wide tread	b10 (mm)	1393		1486
3,7	Track width, rear	b11 (mm)	1200		1200
DIMENSIONS					
4,1	Mast tilt, forward α / back β	α/β (°)	4/8 (2)		4/8 (2)
4,2	Height of mast lowered	h1 (mm)	2880		2950
4,3	Free lift	h2 (mm)	0		0
4,4	Lift height	h3 (mm)	3400		3400
4,5	Height of mast extended	h4 (mm)	4780		4850
4,7	Height to top of overhead guard	h6 (mm)	2650		2650
4,8	Seat height	h7 (mm)	1635		1635
4,12	Towing coupling height	h10 (mm)	680		680
4,19	Overall length	L1 (mm)	5580		5010
4,20	Length to face of fork	L2 (mm)	3780		3810
4,21	Overall width, standard / wide tread	b1 (mm)	1838		2020
4,22	Fork dimensions	exsXL (mm)	200x70x1800		200x80x1200
4,23	Fork carriage ISO 2328/30, FEM / A, B		5A		5A
4,24	Fork carriage width	b3 (mm)	1800		1800
4,31	Ground clearance under mast, laden	m1 (mm)	170		170
4,32	Ground clearance at center of wheelbase	m2 (mm)	110		110
4,33	Aisle width with pallets 1000x1200mm wide	Ast (mm)	5165		5210
4,34	Aisle width with pallets 800x1200mm long	Ast (mm)	5365		5410
4,35	Outer turning radius	Wa (mm)	3285		3285
4,36	Inner turning radius, standard/wide tread	b13 (mm)	1100		1135
PERFORMANCES					
5,1	Travel speed, with / without load	(km/h)	14,0/15,0		12,5/13,5
5,2	Lifting speed, with / without load	(m/s)	0,30/0,44		0,25/0,37
5,3	Lowering speed with / without load	(m/s)	0,50/0,40		0,45/0,038
5,5	Drawbar pull, with / without load (S2 60 °)	(N)	6400/7200		5800/6500
5,6	Max drawbar pull, with / without load (S2 5 °)	(N)	15900/16700		14400/15100
5,7	Gradeability, with / without load (S2 30 °)	(%)	5/9,5		4,5/8,5
5,8	Max gradeability, with / without load (S2 5 °)	(%)	8/13,5		7,4/12
5,9	Acceleration time, with / without load (10 m)	(s)	6,2/5,8		5,5/5
5,10	Service brake: mech. / Hydraulic / electric		hydr/elect		hydr/elect
MOTORS /BATT.					
6,1	Drive motor output (S2 60 °)	(kW)	27		27
6,2	Lifting motor (S3 20%)	(kW)	45		45
6,4	Battery voltage	U (V)	96		96
6,4.1	Battery capacity	K5 (Ah)	1380/1500		1380-1500
6,5	Battery weight minimum / maximum	(kg)	4300/4500		4300/4500
OTHER					
8,1	Drive control		inverter		inverter
8,2	Working pressure for attachments	(bar)	160		160
8,4	Average noise level at operator's ear	(dBA)	-		-

VDI 2198

(1) With integral side-shift on the mast

(2) Lifting heights > 4.5 m, 3°/7°.

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