

# carer

Electric forklift trucks

Capacity / Centre of gravity:  
10.000 - 12.000 - 14.000 kg / 600 mm

Voltage: 120 V

Cushion tyres

Perfect solution for indoor applications

Ultra Compact size to handle heavy loads  
in closed and confined areas.

## SERIES

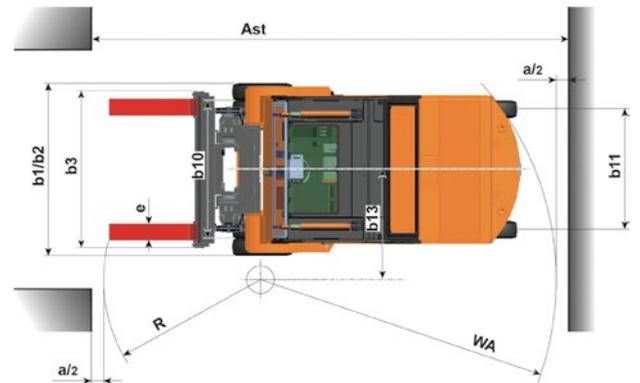
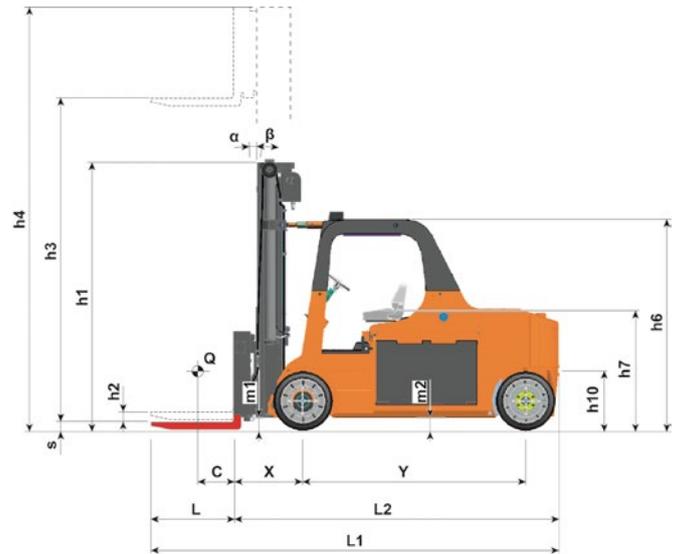


**Z 100 HC**  
**Z 120 HC**  
**Z 140 HC**

# ELECTRIC FORKLIFT TRUCK CARER Z 100-120-140 HC

## GENERAL FEATURES

- Capacity / Centre of gravity:  
10.000 - 12.000 - 14.000 kg / 600 mm
- Voltage: 120 V
- Tyres: cushion
- Motors: AC
- Brakes: oil immersed
- Travel speed: 13 km/h
- Lifting speed: 0.36 m/s
- Battery: 120 V - Maximum capacity: 1320 Ah
  
- Multifunction display (DME)
- Reversing Camera
- High tilt cylinders
- Battery divided in two trays,  
easily-Removable side by side battery



## THE BENEFITS OF CHOOSING CARER



Manufactured with cushion tyres to obtain a max capacity of 14.000 kg with a very compact and sturdy monocoque chassis, this truck is the ideal solution for handling heavy loads in enclosed and confined areas. The position of the batteries,

between the axes, ensures an extremely low center of gravity, all in favour of stability.

The side by side lateral extraction of the battery divided in two trays allows quick, safe battery change.

The driver's seat is well designed, spacious and easy to access.

A practical handle and two wide steps make it easy to reach the driver's compartment.

The controls and instruments layout is perfectly arranged respecting the ergonomic sizing requirements.

The central driver's seat allows perfect visibility in every direction.

Carer's high-performance electric motors are powerful and high efficiency performing.

They have been specifically designed for heavy-duty use thanks to Carer's ability to make the most of the latest electrical technology.



		<b>C.A.R.E.R. Srl</b>				
		<b>Z 100 HC</b>	<b>Z 120 HC</b>	<b>Z 140 HC</b>		
IDENTIFICATION	1.1	Manufacturer				
	1.2	Manufacturer's type designation				
	1.3	Drive	electric	electric	electric	
	1.4	Operator type	seat	seat	seat	
	1.5	Load capacity/rated load	<b>Q</b> (t)	10	12	14
	1.6	Load centre distance	<b>C</b> (mm)	600	600	600
	1.8	Load distance	<b>X</b> (mm)	815 <sup>(1)(2)</sup>	825 <sup>(1)(2)</sup>	825 <sup>(1)(2)</sup>
	1.9	Wheelbase	<b>Y</b> (mm)	2600	2600	2600
	WEIGHTS	2.1	Weight	(kg)	16600	18350
2.2		Axle loading, laden front / rear	(kg)	24300 / 2300	27750 / 2600	30870 / 2730
2.3		Axle loading, unladen front / rear	(kg)	8860 / 7740	9170 / 9180	9200 / 10400
WHEELS	3.1	Tyres type	C	C	C	
	3.2	Tyre size, front	1025x406	1025x508	1025x508	
	3.3	Tyre size, rear	711x254	711x254	711x305	
	3.5	Wheels, number front rear (x = driven wheels)	2X / 2	2X / 2	2X / 2	
	3.6	Track width, front	<b>b10</b> (mm)	1440	1540	1540
	3.7	Track width, rear	<b>b11</b> (mm)	1400	1400	1500
	DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	<b>α/β</b> (°)	7 / 10 <sup>(2)</sup>	7 / 10 <sup>(2)</sup>
4.2		Closed mast height	<b>h1</b> (mm)	2950	2950	2950
4.3		Free lift	<b>h2</b> (mm)	0	0	0
4.4		Lift (standard mast)	<b>h3</b> (mm)	3400	3400	3400
4.5		Height, mast extended	<b>h4</b> (mm)	4850	4850	4850
4.7		Height of overhead guard	<b>h6</b> (mm)	2560	2560	2560
4.8		Seat height	<b>h7</b> (mm)	1400	1400	1400
4.12		Coupling height	<b>h10</b> (mm)	860	860	860
4.19		Overall length	<b>L1</b> (mm)	5070	5080	5080
4.20		Length to face of forks	<b>L2</b> (mm)	3870	3880	3880
4.21		Overall width	<b>b1/b2</b> (mm)	1950	2050	2050
4.22		Fork dimensions	<b>ExSxL</b> (mm)	200x60x1200	200x70x1200	200x70x1200
4.23		Fork carriage iso 2328/30, FEM/A,B		5A	CARER	CARER
4.24		Fork-carriage width	<b>b3</b> (mm)	1800	2000	2000
4.31		Ground clearance, laden, below mast	<b>m1</b> (mm)	180	180	180
4.32		Ground clearance, centre of wheelbase	<b>m2</b> (mm)	150	150	150
4.33		Aisle width for pallets 1000x1200 crossways	<b>Ast</b> (mm)	5690	5700	5700
4.34		Aisle width for pallets 800x1200 lengthways	<b>Ast</b> (mm)	5890	5900	5900
4.35		Turning radius	<b>Wa</b> (mm)	3675	3675	3675
4.36		Internal turning radius	<b>b13</b> (mm)	1600	1600	1600
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	12.5 / 13	11.5 / 12	10 / 10.5
	5.2	Lift speed, laden / unladen	(m/s)	0.25 / 0.36	0.21 / 0.36	0.18 / 0.36
	5.3	Lowering speed, laden / unladen	(m/s)	0.5 / 0.4	0.5 / 0.4	0.5 / 0.4
	5.5	Drawbar pull, laden / unladen (S2 60')	(S2 60')	9000 / 10500	11000 / 13000	8800 / 10400
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	21500 / 23000	26000 / 28000	20800 / 22400
	5.7	Gradeability, laden / unladen (S2 30')	(%)	5 / 8.1	5.4 / 9.5	4.5 / 7.6
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	8 / 11	8.5 / 14	7.5 / 11
	5.9	Acceleration time, laden / unladen (10 m)	(s)	7 / 6.2	7 / 6.2	7 / 6.2
	5.10	Service brake: mech./hydr./electr.		hydraulic / electric	hydraulic / electric	hydraulic / electric
	MOTOR / BATT	6.1	Drive motor rating (S2 60')	(kW)	35	35
6.2		Lift motor rating (S3 20%)	(kW)	45	45	45
6.4		Battery voltage	<b>U</b> (V)	120	120	120
6.4.1		Rated capacity	<b>K5</b> (Ah)	1120 / 1240 / 1320 (TENSOR)	1120 / 1240 / 1320 (TENSOR)	1120 / 1240 / 1320 (TENSOR)
6.5		Battery weight minimum/maximum	(kg)	4400 / 4700	4400 / 4700	4400 / 4700
OTHERS	8.1	Type of drive control		inverter	inverter	inverter
	8.2	Operating pressure for attachments	(bar)	160	160	160
	8.4	Sound level at the driver's ear	(dBa)	-	-	-



**C.A.R.E.R. Srl**  
via Copernico 13  
48033 Cotignola (RA) Italy  
phone +39 0545 1938010  
fax +39 0545 908070  
[www.carerforklift.com](http://www.carerforklift.com)  
[info@carerforklift.com](mailto:info@carerforklift.com)

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