ELECTRIC FORKLIFT TRUCK
SERIES Z 100-120-140 HC

CAPACITY 10.000-12.000-14.000 Kg
CENTER OF GRAVITY 600mm
VOLTAGE 120V
CUSHION TYRES
PERFECT FOR INDOOR APPLICATIONS
VERY COMPACT FRAME
AND HIGH
RESIDUAL CAPACITY

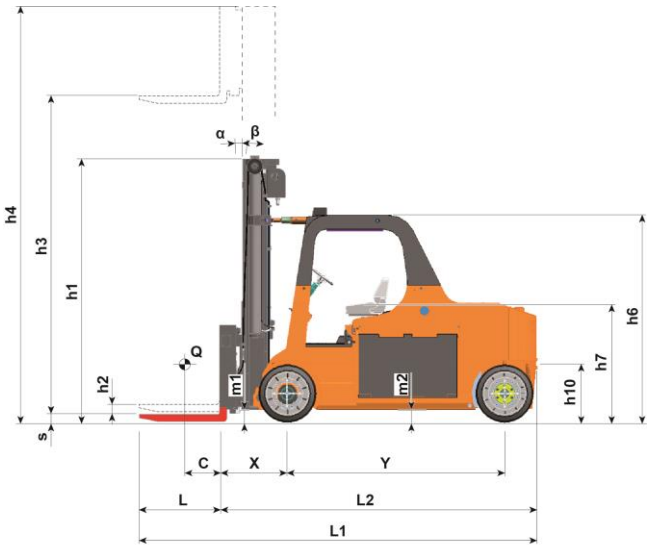
carer
Electric Forklift Trucks

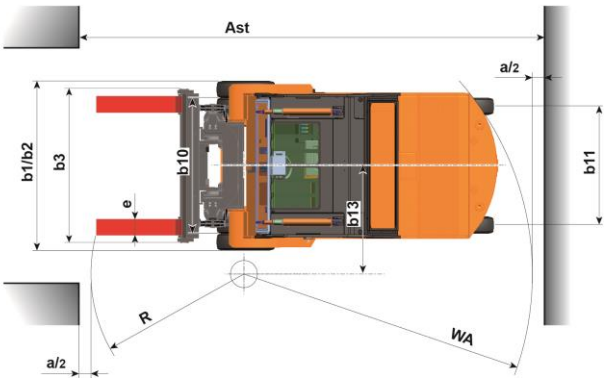


ELECTRIC FORKLIFT TRUCK CARER Z 100-120-140 HC

MAIN FEATURES

CAPACITY 10.000-12.000-14.000 kG
LOAD CENTER 600mm
VOLTAGE 120V
CUSHION TYRES
AC MOTORS
MULTIFUNCTION DISPLAY
OIL IMMERSED BRAKES
HIGH TILT CYLINDERS
TRAVEL SPEED 13 km/h
LIFTING SPEED 0,36 m/s
BATTERY 120V Maximum capacity 1320Ah





rev 3.0

The benefits of choosing Carer



Made with cushion tires in order to obtain a max capacity of 14.000 kg with a very compact and sturdy frame, this truck is ideal for moving heavy loads in enclosed and confined areas.
The position of the batteries between the axles ensures an extremely low centre point of gravity in order to increase the stability. The lateral battery extraction allows to change the battery very quickly and safety.
The drive position is comfortable



and accessibility is excellent. A convenient handle and two wide steps provide easy access to the driving position.
The layout of the controls and instruments on board perfectly meet the ergonomic dimensioning.
The driving unit allows perfect visibility in all directions.
The Carer high-performance electric motors are powerful and specifically designed for heavy duty applications thanks to the ability of Carer to use the most advanced



electric technologies.

This truck is available in different battery configuration in order to set it to the specific application.

IDENTIFICATION	1.1	Manufacturer		C.A.R.E.R. Srl		
	1.2	Manufacturer's type designation		**Z100HC**	**Z120HC**	**Z140HC**
	1.3	Drive		electric	electric	electric
	1.4	Operator type		seat	seat	seat
	1.5	Load capacity/rated load	**Q** (t)	10	12	14
	1.6	Load centre distance	**C** (mm)	600	600	600
	1.8	Load distance	**X** (mm)	815 (1) (2)	825 (1) (2)	825 (1) (2)
	1.9	Wheelbase	**Y** (mm)	2600	2600	2600
WEIGHTS	2.1	Weight	(kg)	16600	18350	19600
	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	**b10** (mm)	1440	1540	1540
	3.7	Track width, rear	**b11** (mm)	1400	1400	1500
DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	**α/β** (°)	7/10(2)	7/10(2)	7/10(2)
	4.2	Closed mast height	**h1** (mm)	2950	2950	2950
	4.3	Free lift	**h2** (mm)	0	0	0
	4.4	Lift (standard mast)	**h3** (mm)	3400	3400	3400
	4.5	Height, mast extended	**h4** (mm)	4850	4850	4850
	4.7	Height of overhead guard	**h6** (mm)	2560	2560	2560
	4.8	Seat height	**h7** (mm)	1400	1400	1400
	4.12	Coupling height	**h10** (mm)	860	860	860
	4.19	Overall length	**L1** (mm)	5070	5080	5080
	4.20	Length to face of forks	**L2** (mm)	3870	3880	3880
	4.21	Overall width	**b1/b2** (mm)	1950	2050	2050
	4.22	Fork dimensions	**exsxL** (mm)	200x60x1200	200x70x1200	200x70x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B		5A	CARER	CARER
	4.24	Fork-carriage width	**b3** (mm)	1800	2000	2000
	4.31	Ground clearance, laden, below mast	**m1** (mm)	180	180	180
	4.32	Ground clearance, centre of wheelbase	**m2** (mm)	150	150	150
	4.33	Aisle width for pallets 1000x1200 crossways	**Ast** (mm)	5690	5700	5700
	4.34	Aisle width for pallets 800x1200 lengthways	**Ast** (mm)	5890	5900	5900
	4.35	Turning radius	**Wa** (mm)	3675	3675	3675
	4.36	Internal turning radius	**b13** (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')	(N)	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	35
	6.2	Lift motor rating (S3 20%)	(kW)	45	45	45
	6.4	Battery voltage	**U** (V)	120	120	120
	6.4.1	Rated capacity	**K5** (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)	-	-	-

VDI 2198

Rev2 15/06/2015

(1)With side-shifter integrated in the mast

(2)Depending on kind of mast

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

carer
Electric Forklift Trucks

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