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ELECTRIC FORKLIFT TRUCK
SERIES Z 100-120 HC
Z 140-150-160 H

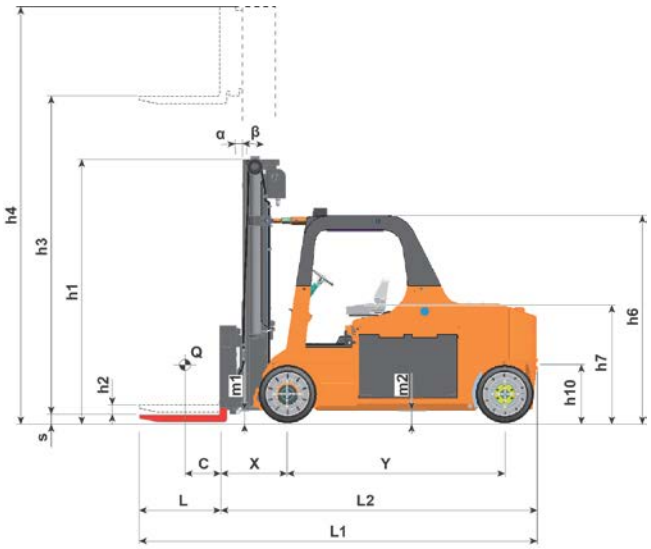
CAPACITY 10.000-12.000-14.000-15.000-16.000 Kg
CENTER OF GRAVITY 600mm
VOLTAGE 120V
TWIN VULKOLLAN/CUSHION TYRES
ENSURE HIGH RESIDUAL
CAPACITY, COMPACT
SIZE AND MAXIMUM
STABILITY

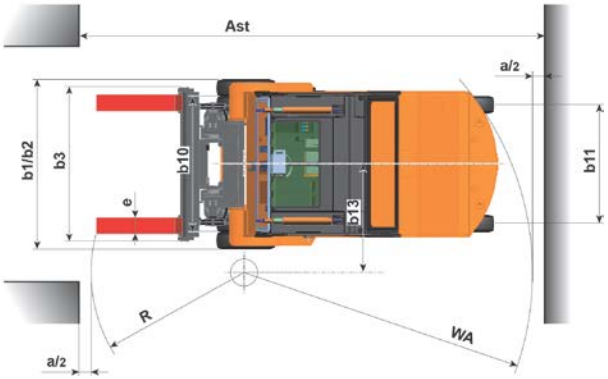
carer
Electric Forklift Trucks

ELECTRIC FORKLIFT TRUCK CARER Z 100-120 HC / Z 140-150-160 H

MAIN FEATURES

CAPACITY 10.000-12.000-14.000-15.000-16.000 kG
LOAD CENTER 600mm
VOLTAGE 120V
TYRES VULKOLLAN - CUSHION
AC MOTORS
MULTIFUNCTION DISPLAY EASY INFO (MDE)
OIL IMMERSED BRAKES
TRAVEL SPEED 13 km/h
LIFTING SPEED 0,36 m/s
BATTERY 120V 1320Ah
HIGH TILT CYLINDERS





The benefits of choosing Carer

Made with vulkollan or cushion tyres to obtain a max capacity of 16.000 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.

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IDENTIFICATION	1.1	Manufacturer		C.A.R.E.R. Srl				
	1.2	Manufacturer's type designation		**Z100HC**	**Z120HC**	**Z140H**	**Z150H**	**Z160H**
	1.3	Drive		electric	electric	electric	electric	electric
	1.4	Operator type		seat	seat	seat	seat	seat
	1.5	Load capacity/rated load	**Q** (t)	10	12	14	15	16
	1.6	Load centre distance	**C** (mm)	600	600	600	600	600
	1.8	Load distance	**X** (mm)	760 (1) (2)	815 (1) (2)	815 (1) (2)	850 (1) (2)	850 (1) (2)
	1.9	Wheelbase	**Y** (mm)	2600	2600	2700	2700	2700
WEIGHTS	2.1	Weight	(kg)	16100	19350	21470	22770	24650
	2.2	Axle loading, laden front / rear	(kg)	23880 / 2220	28800 / 2550	32265 / 3205	34600 / 3170	36854 / 3796
	2.3	Axle loading, unladen front / rear	(kg)	8650 / 7450	10270 / 9080	10930 / 10540	11540 / 11230	12260 / 12390
WHEELS	3.1	Tyres type		C	C	VLK	VLK	VLK
	3.2	Tyre size, front		1025x406	1025x508	711x(203+203)	711x(203+203)	711x(203+203)
	3.3	Tyre size, rear		711x254	711x254	711x203	711x203	711x203
	3.5	Wheels, number front rear (x = driven wheels)		2X/2	2X/2	2X/2	2X/2	2X/2
	3.6	Track width, front	**b10** (mm)	1440	1540	1605	1605	1605
	3.7	Track width, rear	**b11** (mm)	1400	1400	1400	1400	1400
DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	**α/β** (°)	7/10(2)	7/10(2)	7/10(2)	7/10(2)	7/10(2)
	4.2	Closed mast height	**h1** (mm)	2950	2950	2950	3340	3340
	4.3	Free lift	**h2** (mm)	0	0	0	0	0
	4.4	Lift (standard mast)	**h3** (mm)	3400	3400	3400	3400	3400
	4.5	Height, mast extended	**h4** (mm)	4850	4850	4850	5260	5260
	4.7	Height of overhead guard	**h6** (mm)	2560	2560	2560	2560	2560
	4.8	Seat height	**h7** (mm)	1400	1400	1400	1400	1400
	4.12	Coupling height	**h10** (mm)	860	860	860	860	860
	4.19	Overall length	**L1** (mm)	5005	5060	5165	5200	5200
	4.20	Length to face of forks	**L2** (mm)	3805	3860	3965	4000	4000
	4.21	Overall width	**b1/b2** (mm)	1950	2050	2000	2000	2000
	4.22	Fork dimensions	**exsxL** (mm)	200x60x1200	200x70x1200	200x70x1200	200x70x1200	200x80x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B		5A	CARER	CARER	CARER	CARER
	4.24	Fork-carriage width	**b3** (mm)	1800	2000	1800	1800	1800
	4.31	Ground clearance, laden, below mast	**m1** (mm)	180	180	180	180	180
	4.32	Ground clearance, centre of wheelbase	**m2** (mm)	150	150	150	150	150
	4.33	Aisle width for pallets 1000x1200 crossways	**Ast** (mm)	5635	5635	5770	5800	5800
	4.34	Aisle width for pallets 800x1200 lengthways	**Ast** (mm)	5835	5890	5970	6000	6000
	4.35	Turning radius	**Wa** (mm)	3675	3675	3750	3750	3750
	4.36	Internal turning radius	**b13** (mm)	1600	1600	1600	1600	1600
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	12,5/13	11,5/12	12/13	10,5/11,5	9/10
	5.2	Lift speed, laden / unladen	(m/s)	0,25/0,36	0,21/0,36	0,21/0,36	0,26/0,33	0,22/0,28
	5.3	Lowering speed, laden / unladen	(m/s)	0,5/0,4	0,5/0,4	0,5/0,4	0,4/0,4	0,35/0,4
	5.5	Drawbar pull, laden / unladen (S2 60')	(N)	9000 / 10500	11000 / 13000	17900 / 19800	16300 / 18000	13900 / 15300
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	21500 / 23000	26000 / 28000	53700 / 55600	48900 / 50600	41550 / 43000
	5.7	Gradeability, laden / unladen (S2 30')	(%)	5 / 8,1	5,4 / 9,5	10 / 17	9,2 / 15,8	8 / 13
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	8 / 11	8,5 / 14	14,5 / 25,5	13,1 / 23,2	11 / 18
	5.9	Acceleration time, laden / unladen (10 m)	(s)	7 / 6,2	7 / 6,2	6,8 / 5,6	6,1 / 5,1	5 / 4,3
	5.10	Service brake: mech./hydr./electr.		hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric	hydraulic/electric
MOTOR / BATT.	6.1	Drive motor rating (S2 60')	(kW)	35	35	35	35	35
	6.2	Lift motor rating (S3 20%)	(kW)	45	45	2x35	2x35	2x35
	6.4	Battery voltage	**U** (V)	120	120	120	120	120
	6.4.1	Rated capacity	**K5** (Ah)	1120 / 1240 / 1320 (TENSOR)	1120 / 1240 / 1320 (TENSOR)	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	4400 / 4700	4400 / 4700
OTHERS	8.1	Type of drive control		inverter	inverter	inverter	inverter	inverter
	8.2	Operating pressure for attachments	(bar)	160	160	160	160	160
	8.4	Sound level at the driver's ear	(dBA)	-	-	-	-	-

VDI 2198

(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

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carer
Electric Forklift Trucks

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