

ELECTRIC FORKLIFT TRUCK SERIES Z 100-120 HD

CAPACITY 10.000-12.000 Kg
CENTER OF GRAVITY 600mm
VOLTAGE 120V
HIGH PERFORMANCES
VERY COMPACT SIZE
LARGE MANEUVERABILITY
LONG AUTONOMY
OF THE BATTERY

Z

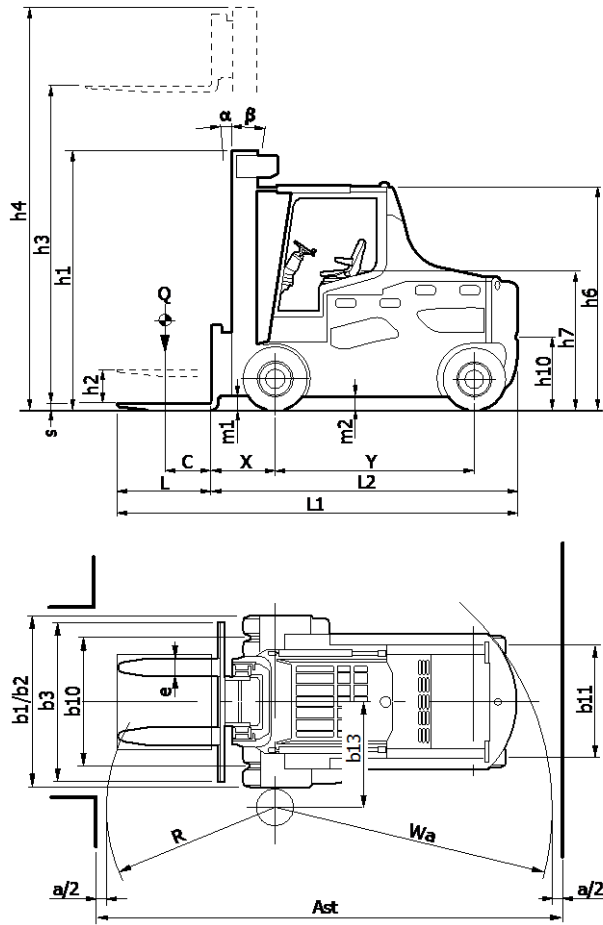
carer
Electric Forklift Trucks



Carer electric forklift truck Z 100-120 HD

MAIN FEATURES

- CAPACITY 10.000-12.000 Kg
- LOAD CENTER 600mm
- VOLTAGE 120V
- TYRES DUAL SE-C
- AC MOTORS
- MULTIFUNCTION DISPLAY EASY INFO (MDE)
- RERAR VIEW CAMERA
- OLI IMMERSED BRAKES
- HIGH TILT CYLINDERS
- TRAVEL SPEED 13 km/h
- LIFTING SPEED 0,36 m/s
- BATTERY 120V Maximum capacity 1500Ah



The benefits of choosing Carer

a=200

rev 3.0



A forklift truck newly designed, developed at a voltage of 120V for maximum efficiency and long work autonomy, the Z100-120 HD is the ideal truck for moving heavy loads with maximum safety and reliability

Specifications

The technology of 120V and the machine's development based on the concepts of power and efficiency, provide high performance and long autonomy

Of the battery. The power of the motor, electronically controlled, gives these trucks very good acceleration, high speed and unmatched maneuverability. The acceleration is gentle and progressive and it is used only when needed to reduce consumption and increase the autonomy of work.

Maximum operator comfort

The cabin separated from the frame, gives to the operator very

high level of comfort. Fitted on silent blocks system, it reduces the vibrations and noise. From the driver's seat is perfectly dominates all the surrounding space and all dimensions of the truck are easily perceptible.

The visibility remains good even during the handling of bulky loads, giving to the operator an optimum driving position for maximum visibility and increasing the safety of the vehicle.

		C.A.R.E.R. Srl			
IDENTIFICATION	1.1	Manufacturer			
	1.2	Manufacturer's type designation	Z100HD	Z120HD	
	1.3	Drive	electric	electric	
	1.4	Operator type	seat	seat	
	1.5	Load capacity/rated load	Q (t)	10	12
	1.6	Load centre distance	C (mm)	600	600
	1.8	Load distance	X (mm)	815 (1) (2)	815 (1) (2)
	1.9	Wheelbase	Y (mm)	2550	2550
	WEIGHTS	2.1	Weight	(kg)	17400
2.2		Axle loading, laden front / rear	(kg)	24100 / 3300	28800 / 2600
2.3		Axle loading, unladen front / rear	(kg)	8550 / 8850	10140 / 9260
WHEELS	3.1	Tyres type		C-SEG	C-SEG
	3.2	Tyre size, front		711x(254+254) 300-15	711X(315+315) 355/50-20
	3.3	Tyre size, rear		711x254 300-15	711x254 300-15
	3.5	Wheels, number front rear (x = driven wheels)		2X/2 (SEG:4X/2)	4X/2
	3.6	Track width, front	b10 (mm)	1692 1645	1795 1795
	3.7	Track width, rear	b11 (mm)	1450 1450	1450 1450
DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	7/8(2)	7/8(2)
	4.2	Closed mast height	h1 (mm)	3050	2950
	4.3	Free lift	h2 (mm)	0	0
	4.4	Lift (standard mast)	h3 (mm)	3400	3400
	4.5	Height, mast extended	h4 (mm)	4850	4850
	4.7	Height of overhead guard	h6 (mm)	2850	2850
	4.8	Seat height	h7 (mm)	1790	1790
	4.12	Coupling height	h10 (mm)	910	910
	4.19	Overall length	L1 (mm)	5115	5115
	4.20	Length to face of forks	L2 (mm)	3915	3915
	4.21	Overall width	b1/b2 (mm)	2200 2200	2300 2350
	4.22	Fork dimensions	exsXL (mm)	200x60x1200	200x70x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B		5A	CARER
	4.24	Fork-carriage width	b3 (mm)	2000	2000
	4.31	Ground clearance, laden, below mast	m1 (mm)	180	180
4.32	Ground clearance, centre of wheelbase	m2 (mm)	130	130	
4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	5620	5670	
4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	5820	5870	
4.35	Turning radius	Wa (mm)	3600	3650	
4.36	Internal turning radius	b13 (mm)	1450	1515	
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	12,5/13	11/11,5
	5.2	Lift speed, laden / unladen	(m/s)	0,25/0,36	0,21/0,36
	5.3	Lowering speed, laden / unladen	(m/s)	0,5/0,4	0,5/0,4
	5.5	Drawbar pull, laden / unladen (S2 60')	(N)	9000 / 10500	11000 / 13000
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	21500 / 23000	26000 / 28000
	5.7	Gradeability, laden / unladen (S2 30')	(%)	5 / 8,1	5,4 / 9,5
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	8 / 11	8,5 / 14
	5.9	Acceleration time, laden / unladen (10 m)	(s)	7 / 6,2	7 / 6,2
	5.10	Service brake: mech./hydr./electr.		hydraulic/electric	hydraulic/electric
	MOTOR / BATT.	6.1	Drive motor rating (S2 60')	(kW)	35
6.2		Lift motor rating (S3 20%)	(kW)	45	45
6.4		Battery voltage	U (V)	120	120
6.4.1		Rated capacity	K5 (Ah)	1260 / 1380 / 1500	1380 / 1500
6.5		Battery weight minimum/maximum	(kg)	5000 / 5650	5400 / 5650
OTHERS	8.1	Type of drive control		inverter	inverter
	8.2	Operating pressure for attachments	(bar)	200	200
	8.4	Sound level at the driver's ear	(dBA)	-	-

VDI 2198

Rev5 03/04/15

(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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