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carer
Electric Forklift Trucks

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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 MANOUVERABILITY
LONG AUTONOMY
OF THE BATTERY

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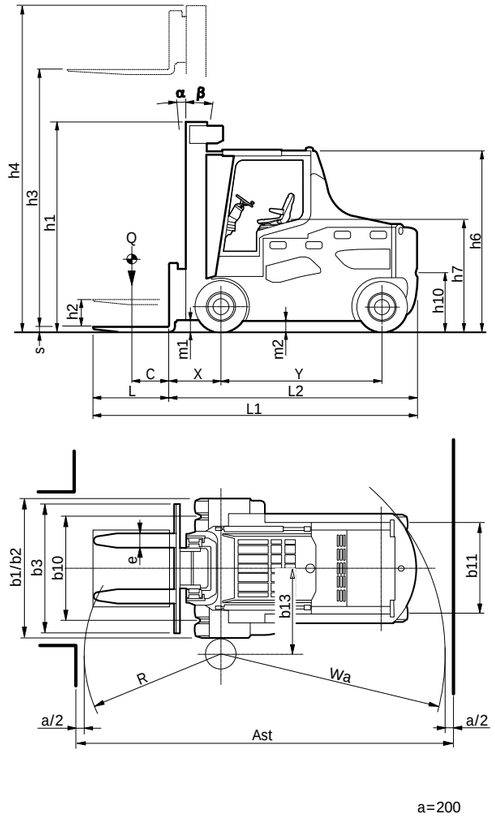
Carer electric forklift truck Z 100-120 HD

Technical data in accordance with VDI 2198

MAIN FEATURES

CAPACITY 10.000-12.000 Kg
LOAD CENTER 600mm
VOLTAGE 120V
TYRES DUAL SE-C
MOTORS AC
OLI IMMERSED BRAKES
TRAVEL SPEED 12,5 km/h
LIFTING SPEED 0,35 m/s
BATTERY 120V 1500Ah
HIGH TILT CYLINDERS
MULTIFUNCTION DISPLAY EASY INFO (DME)



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The benefits of choosing Carer

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.

CHARACTERISTICS	1,1	Manufacturer			C.A.R.E.R. Srl	
	1,2	Type			Z100HD	Z120HD
	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)	10,0	12,0
	1,6	Load center	C	(mm)	600	600
	1,8	Load distance	X	(mm)	815 (1)	815 (1)
	1,9	Wheelbase	Y	(mm)	2550	2550
WEIGHTS	2,1	Unladen weight (max.battery)		(kg)	17400	19400
	2,2	Axle loading laden front/rear (max.battery)		(kg)	24100/3300	28800/2600
	2,3	Axle loading unladen front/rear (max.battery)		(kg)	8550/8850	10140/9260
TYRES	3,1	Tyres: C= cushion, SE= super-elastic, PN= Pneumatic, SEG= dual super-elastic PNG= dual pneumatic, VLK= vulkollan			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)			2X/2 (SEG:4X/2)	4X/2
	3,6	Track width, front, standard/wide tread	b10	(mm)	1692-1645	1795
DIMENSIONS	3,7	Track width, rear	b11	(mm)	1450	1450
	4,1	Mast tilt, forward α / back β	α/β	(°)	7/8 (2)	7/8 (2)
	4,2	Height of mast lowered	h1	(mm)	2950	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)	4850	4850
	4,7	Height to top of overhead guard	h6	(mm)	2850	2850
	4,8	Seat height	h7	(mm)	1790	1790
	4,12	Towing coupling height	h10	(mm)	910	910
	4,19	Overall length	L1	(mm)	5015	5115
	4,20	Length to face of fork	L2	(mm)	3815	3915
	4,21	Overall width, standard / wide tread	b1	(mm)	2200	2300-2350
	4,22	Fork dimensions	exsxL	(mm)	200x80x1200	200x80x1200
	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 under mast, laden	m1	(mm)	180	180
	4,32	Ground clearance at center of wheelbase	m2	(mm)	130	130
	4,33	Aisle width with pallets 1000x1200mm wide	Ast	(mm)	5620	5670
	4,34	Aisle width with pallets 800x1200mm long	Ast	(mm)	5820	5870
	4,35	Outer turning radius	Wa	(mm)	3600	3650
	4,36	Inner turning radius, standard/wide tread	b13	(mm)	1450	1515
PERFORMANCES	5,1	Travel speed, with / without load		(km/h)	11,0/12,5	10,0/11,5
	5,2	Lifting speed, with / without load		(m/s)	0,22/0,35	0,19/0,35
	5,3	Lowering speed with / without load		(m/s)	0,50/0,40	0,50/0,40
	5,5	Drawbar pull, with / without load (S2 60 ')		(N)	6200/8400	5300/7900
	5,6	Max drawbar pull, with / without load (S2 5 ')		(N)	20500/22700	19600/22200
	5,7	Gradeability, with / without load (S2 30 ')		(%)	5/8,5	4,1/7,8
	5,8	Max gradeability, with / without load (S2 5 ')		(%)	6,9/11,4	5,7/10
	5,9	Acceleration time, with / without load (10 m)		(s)	7/6,2	8/6,8
MOTORS / BATT.	5,10	Service brake: mech. / Hydraulic / electric			hydr/elect	hydr/elect
	6,1	Drive motor output (S2 60 ')		(kW)	31	31
	6,2	Lifting motor (S3 20%)		(kW)	42	42
	6,4	Battery voltage	U	(V)	120	120
	6.4.1	Battery capacity	K5	(Ah)	1260/1380/1500	1380/1500
OTHER	6,5	Battery weight minimum / maximum		(kg)	5000/5650	5400/5650
	8,1	Drive control			inverter	inverter
	8,2	Working pressure for attachments		(bar)	200	200
	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 efficiency, with battery weight corresponding to the values given in 6,5