

Capacity / Centre of gravity:
10,000 kg - 12,000 kg - 14,000 kg / 600 mm

Voltage: 120 V

Raised operator seat for maximum visibility
even with very bulky loads

Compact size

High performances

Long operating time

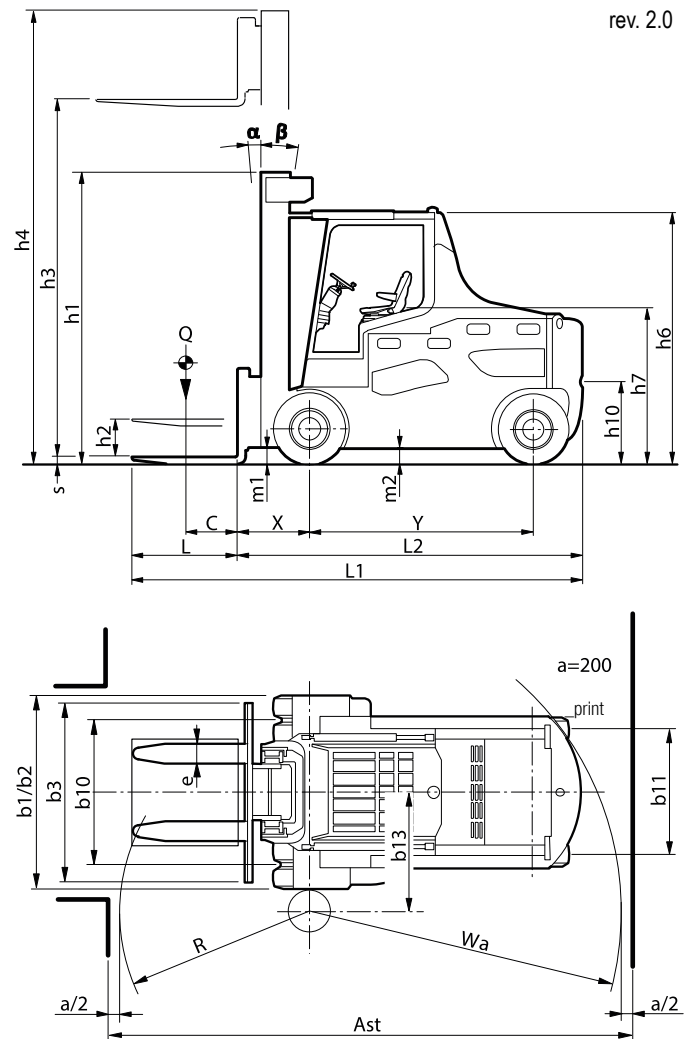
SERIES



Z 100 HD
Z 120 HD
Z 140 HD

MAIN FEATURES

- Capacity / Centre of gravity:
10.000 - 12.000 - 14.000 kg / 600 mm
- Voltage: 120 V
- Tyres: cushion, twin superelastic
- Motors: AC
- Brakes: oil immersed
- Automatic Parking Brake
- Travel speed: 13 km/h
- Lifting speed: 0.36 m/s
- Battery 120 V – Maximum capacity 1656 Ah
- Advanced Multifunction Display (AMD)
- Rear view camera
- High positioned tilt cylinders
- Easily-removable battery divided in two trays



THE BENEFITS OF CHOOSING CARER

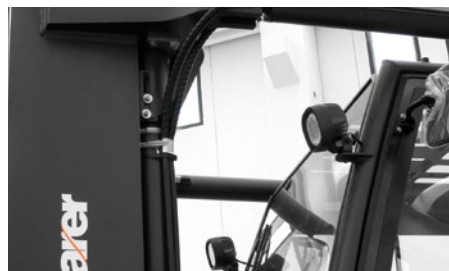


The newly-designed electric forklift trucks are developed at a voltage of 120 V to provide maximum efficiency and long operating time. The Z 100-140 HD is the ideal forklift truck to handle heavy loads with top safety and reliability.

Technical Features

The 120 V technology and development of the machine based on the concepts of power and efficiency offer high performance and long operating time.

The power of the motor, which is managed electronically, gives these forklift trucks unmatched acceleration,



speed and manoeuvrability.

The electronic control alternating current ensures the maximum silence and maximum engine efficiency.

The electric motors are developed and designed to withstand heavy-duty use.

Utmost Operator Comfort

The cabin, which is separated from the frame, provides extremely high operator comfort.

Mounted on a silent-block system, it minimizes vibrations and noise.

All the surrounding area is clearly visible from the driver's seat and



you can easily perceive the overall dimensions of the forklift truck, even handling bulky loads ensuring the maximum vehicle's safety level.

The high tilt cylinders ensure excellent stability of the upright, thereby reducing torsions thanks to their position and the long lever arms.

The special frame structure is able to house large capacities 120 V batteries.

The battery is divided into two to facilitate easy, safe and fast lateral removal.

			C.A.R.E.R. Srl		
			Z100HD	Z120HD	Z140HD
FEATURES	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	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	2650
	2.1	Weight	(kg)	17400	19400
WEIGHTS	2.2	Axle loading, laden front / rear	(kg)	24100 / 3300	28800 / 2600
	2.3	Axle loading, unladen front / rear	(kg)	8550 / 8850	10140 / 9260
	2.4				9820 / 10580
WHEELS	3.1	Tyres type		C-SEG	C-SEG
	3.2	Tyre size, front		854x(320+320) 300-15	854x(320+320) 355/50-20
	3.3	Tyre size, rear		854x320 300-15	854x320 300-15
	3.5	Wheels, number front rear (x = driven wheels)		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 1472
	3.8				1472
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)	2350 2200	2350 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)	11000 / 12000	14000 / 15000
	5.6	Max. drawbar pull, laden / unladen (S2 5°)	(N)	30000 / 31000	36000 / 38000
	5.7	Gradeability, laden / unladen (S2 30°)	(%)	9 / 15	9 / 16
	5.8	Max. gradeability, laden / unladen (S2 5°)	(%)	11 / 18	11 / 20
	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
	5.10			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
	6.4	Battery voltage	U (V)	120	120
	6.4.1	Rated capacity	K5 (Ah)	1260 / 1380 / 1500 / 1656(IRONCLAD)	1380 / 1500 / 1656(IRONCLAD)
	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)	-	-

(1) With sideshifter integrated in the mast.

(2) Depending on kind of mast.

Wheels tyre legend: SE super elastic - SEG super elastic twins - C cushion - PN pneumatic - VLK vulkolan: for tyres NO MARKING - OIL RESISTANT, please, contact CARER.

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 CARER products and specifications are subject to change without notice.



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