

Capacity / Centre of gravity:
2,000 kg - 2,500 kg / 500 mm
Voltage 80 V
High residual capacities at high lifting heights
Fast lifting and traction speed
Very compact frame

Z

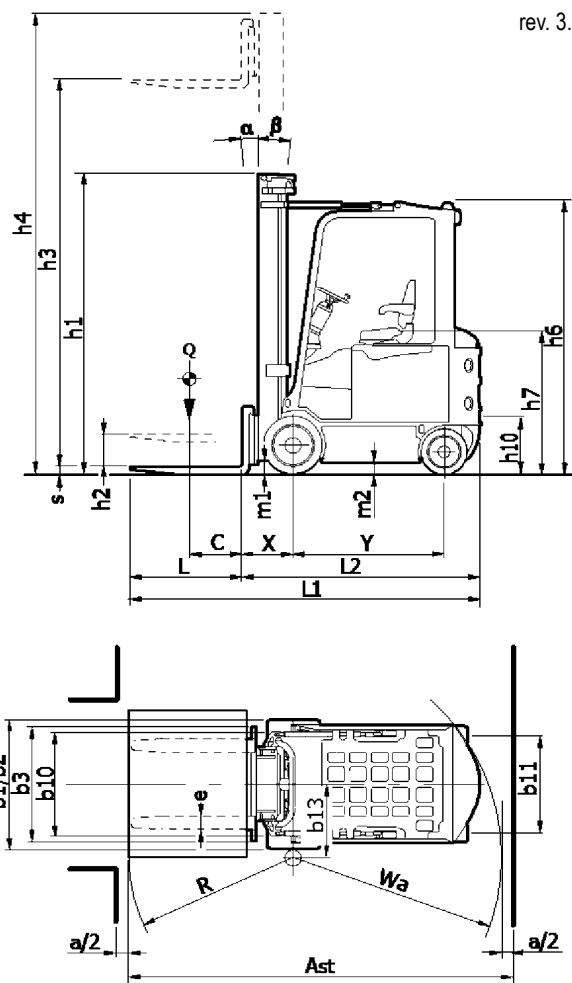
SERIES



Z 20HD
Z 25HD

MAIN FEATURES

- Load capacity / Centre of gravity:
2,000 kg / 500 mm
2,500 kg / 500 mm
- Voltage: 80 V
- Tyres: cushion - super elastic twins
- Motors: AC
- Brakes: drum
- Travel speed: 18.0 km/h
- Lifting speed: 0.60 m/s
- Battery 80 V – Maximum capacity 625 Ah
- Multifunction display easy info (MDE)
- High positioned tilt cylinders



THE BENEFITS OF CHOOSING CARER

The ability to maintain high residual capacities at great heights, the compactness of the frame and the high travel and lifting speed, make the Z 20-25 HD the ideal truck for particular applications such as fruit and logistics.

Specifications

The series Z 20-25 HD is able to grant low cost of ownership, long work autonomy, high performances and excellent visibility thanks to the high

drive position that is ergonomically designed.

These characteristics make this truck suitable for any condition of use, safe and reliable for heavy duty applications.

The turning radius, which is one of the best in its category, is another important hallmark.

CARER's electric motors are designed to grant high performance and high acceleration level.

The electronic system gives to the motors the power needed

to perform high travel and lifting speed, great acceleration level and unmatched manoeuvrability.

To increase the autonomy of work several batteries of different amperage are available. The battery, removable sideways, can be replaced by using a crane or a forklift.



			C.A.R.E.R. Srl	
			Z 20 HD	Z 25 HD
IDENTIFICATION	1.1	Manufacturer		
	1.2	Manufacturer's type designation		
	1.3	Drive	electric	electric
	1.4	Operator type	seat	seat
	1.5	Load capacity/rated load	Q (t)	2
	1.6	Load centre distance	C (mm)	500
	1.8	Load distance	X (mm)	435 ⁽¹⁾ / 435 ⁽¹⁾ / 435 ⁽¹⁾ / 435 ⁽¹⁾
	1.9	Wheelbase	Y (mm)	1360
WEIGHTS	2.1	Weight	(kg)	4376
	2.2	Axle loading, laden front / rear	(kg)	5490 / 886
	2.3	Axle loading, unladen front / rear	(kg)	2120 / 2256
WHEELS	3.1	Tyres type	C	C-SE
	3.2	Tyre size, front	533x178	533x203 21X8-9
	3.3	Tyre size, rear	413x152	413x152 16X6-8
	3.5	Wheels, number front rear (x = driven wheels)	2X / 2	2X / 2
	3.6	Track width, front	b10 (mm)	886
	3.7	Track width, rear	b11 (mm)	826
	3.7	Track width, rear	b11 (mm)	826
DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	5/5 ⁽²⁾
	4.2	Closed mast height	h1 (mm)	2475
	4.3	Free lift	h2 (mm)	50
	4.4	Lift (standard mast)	h3 (mm)	3650
	4.5	Height, mast extended	h4 (mm)	4275
	4.7	Height of overhead guard	h6 (mm)	2445
	4.8	Seat height	h7 (mm)	1300
	4.12	Coupling height	h10 (mm)	-
	4.19	Overall length	L1 (mm)	3000
	4.20	Length to face of forks	L2 (mm)	2000
	4.21	Overall width	b1/b2 (mm)	1060
	4.22	Fork dimensions	ExSxL (mm)	100x35x1000
	4.23	Fork carriage iso 2328/30, FEM/A,B	2A	2A
	4.24	Fork-carriage width	b3 (mm)	900
	4.31	Ground clearance, laden, below mast	m1 (mm)	110
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	90
	4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	3455
	4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	3655
	4.35	Turning radius	Wa (mm)	1820
	4.36	Internal turning radius	b13 (mm)	590
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	17 / 18
	5.2	Lift speed, laden / unladen	(m/s)	0.42 / 0.6
	5.3	Lowering speed, laden / unladen	(m/s)	0.5 / 0.38
	5.5	Drawbar pull, laden / unladen (S2 60')	(N)	4500 / 4900
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	11800 / 12200
	5.7	Gradeability, laden / unladen (S2 30')	(%)	12 / 19
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	16 / 26
	5.9	Acceleration time, laden / unladen (10 m)	(s)	5.1 / 4.8
	5.10	Service brake: mech./hydr./electr.	hydraulic/electric	hydraulic/electric
	5.10	Service brake: mech./hydr./electr.	hydraulic/electric	hydraulic/electric
MOTOR / BATT.	6.1	Drive motor rating (S2 60')	(kW)	14
	6.2	Lift motor rating (S3 20%)	(kW)	19
	6.4	Battery voltage	U (V)	80
	6.4.1	Rated capacity	K5 (Ah)	575
	6.5	Battery weight minimum/maximum	(kg)	1450 / 1600
OTHERS	8.1	Type of drive control	inverter	inverter
	8.2	Operating pressure for attachments	(bar)	160
	8.4	Sound level at the driver's ear	(dBA)	-

VDI 2198 Rev7 22/01/2019

(1) With side-shifter integrated in the mast.

(2) Mast dependent.

Wheels tyre legend: SE super elastic - SEGEM super elastic twins - C cushion - L pneumatic - VLK vulkanol: 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 C.A.R.E.R. products and specifications are subject to change without notice.



C.A.R.E.R. Srl
via Copernico 13
48033 Cotignola (RA) Italy
phone +39 0545 1938010
fax +39 0545 908070
www.carerforklift.com
info@carerforklift.com

follow us on 