

Capacity / Centre of gravity:

6.000 kg - 6.500 kg - 7.000 kg - 8.000 kg / 600 mm

Voltage: 96 V

Raised Operator Seat for maximum
visibility even with very bulky loads

Compact size



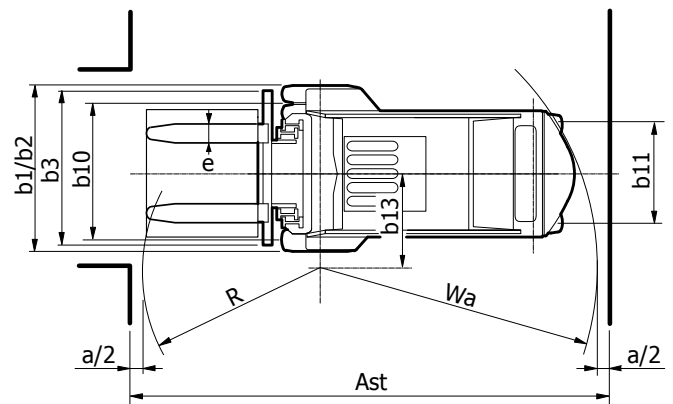
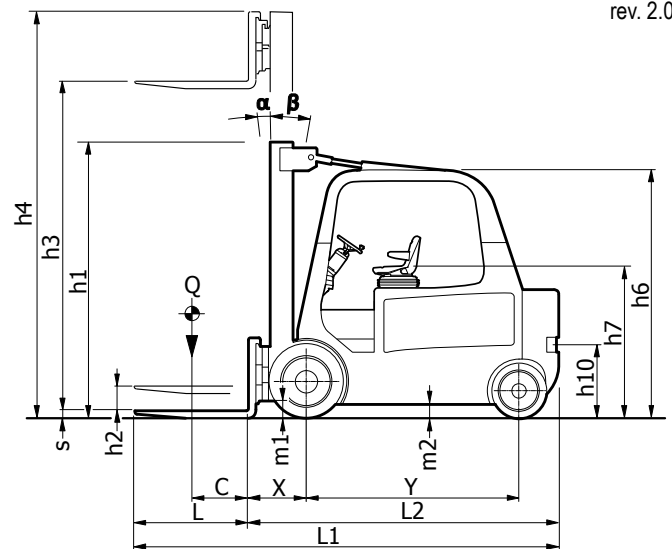
SERIES



Z 60 H²
Z 65 H²
Z 70 H²
Z 80 H²

GENERAL FEATURES

- Capacity / Centre of gravity:
- 6.000 kg - 6.500 kg - 7.000 kg - 8.000 kg / 600 mm
- Voltage: 96 V
- Tyres: Superelastic – Cushion – Twin Superelastic
- 2 front drive motors AC
- Travel Speed: 15 km/h
- Lifting speed: 0,39 m/s
- Battery 96 V – Maximum capacity 1125 Ah
- Advanced Multifunction Display (AMD)
- Reversing Camera
- Automatic Parking Brake
- High tilt cylinders
- Automatic Cornering Speed Reduction System



THE BENEFITS OF CHOOSING CARER

The electric forklift trucks of the Z 60-80 H² series have been designed to guarantee high performances, long operating time and low running costs.

Extremely compact and with a reduced steering radius, these forklift trucks are designed to have a compact design and not be bulky during maneuvers without affecting performance, reliability and ergonomics.

Moreover, they can be customized and adapted to any conditions of use and application.

They are safe and reliable to deal with even the most heavy-duty of tasks.

The compact design of the forklift truck and its steering power mean less time to store the load and being able to travel across narrow and cramped corridors.

The Z 60-80 H² series are equipped with single superelastic tyres, but

twin or cushion tyres can be also mounted upon request

The extreme compact design does not affect the roominess of the driver's seat, which is ergonomic, easy to access and fitted with clearly visible instruments.

Hydraulically assisted steering enhances the dynamic properties of the forklift trucks by perfectly combining the light steering wheel with accurate driving control.

The electronic braking system, mounted directly on the two front traction motors, guarantees outstanding effectiveness and duration with minimum energy consumption.

Moreover, the electric braking has three energy recovery features: releasing the acceleration pedal, pressing the brake pedal or reversing the direction of travel. The special frame structure is able to house large batteries to deal with every need



		C.A.R.E.R. Srl					
		Z 60 H²	Z 65 H²	Z 70 H²	Z 80 H²		
IDENTIFICATION	1.1	Manufacturer					
	1.2	Manufacturer's type designation					
	1.3	Drive	electric	electric	electric	electric	
	1.4	Operator type	seat	seat	seat	seat	
	1.5	Load capacity/rated load	Q (t)	6	6.5	7	8
	1.6	Load centre distance	C (mm)	600	600	600	600
	1.8	Load distance	X (mm)	625 ^{(1) (2)}	625 ^{(1) (2)}	625 ^{(1) (2)}	680 ^{(1) (2)}
	1.9	Wheelbase	Y (mm)	1935	1935	1935	2135
	WEIGHTS	2.1	Weight	(kg)	10850	11350	11900
2.2		Axle loading, laden front / rear	(kg)	14750 / 2100	15750 / 2100	16750 / 2150	18750 / 1600
2.3		Axle loading, unladen front / rear	(kg)	4950 / 5900	5140 / 6210	5320 / 6580	5950 / 6400
WHEELS	3.1	Tyres type	C-SE-SEG	C-SE-SEG	C-SE-SEG	C-SE-SEG	
	3.2	Tyre size, front	840x356 355 / 65-15 8,25-15	840x356 355 / 65-15 8,25-15	840x356 355 / 50-20 8,25-15	840x356 355 / 50-20 8,25-15	
	3.3	Tyre size, rear	559x203 23x10-12	559x203 23x10-12	559x203 23x10-12	559x229 23x10-12	
	3.5	Wheels, number front rear (x = driven wheels)	2X / 2 (SEG:4X / 2)	2X / 2 (SEG:4X / 2)	2X / 2 (SEG:4X / 2)	2X / 2 (SEG:4X / 2)	
	3.6	Track width, front	b10 (mm)	1312 1361 1393	1312 1361 1393	1312 1355 1393	1312 1355 1393
	3.7	Track width, rear	b11 (mm)	1055 1055	1055 1055	1055 1055	1055 1055
	DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	7 / 6 ⁽²⁾	7 / 6 ⁽²⁾	7 / 6 ⁽²⁾
4.2		Closed mast height	h1 (mm)	2680	2680	2680	2792
4.3		Free lift	h2 (mm)	100	100	100	100
4.4		Lift (standard mast)	h3 (mm)	3400	3400	3400	3400
4.5		Height, mast extended	h4 (mm)	4370	4370	4370	4530
4.7		Height of overhead guard	h6 (mm)	2650	2650	2650	2650
4.8		Seat height	h7 (mm)	1635	1635	1635	1635
4.12		Coupling height	h10 (mm)	680	680	680	680
4.19		Overall length	L1 (mm)	4210	4210	4210	4465
4.20		Length to face of forks	L2 (mm)	3010	3010	3010	3265
4.21		Overall width	b1/b2 (mm)	1669 1661 1838	1669 1661 1838	1669 1670 1838	1669 1670 1838
4.22		Fork dimensions	ExSxL (mm)	150x60x1200	150x60x1200	150x60x1200	200x60x1200
4.23		Fork carriage iso 2328/30, FEM/A,B		4A	4A	4A	4A
4.24		Fork-carriage width	b3 (mm)	1500	1500	1500	1500
4.31		Ground clearance, laden, below mast	m1 (mm)	150	150	150	150
4.32		Ground clearance, centre of wheelbase	m2 (mm)	110	110	110	110
4.33		Aisle width for pallets 1000x1200 crossways	Ast (mm)	4465	4465	4465	4780
4.34		Aisle width for pallets 800x1200 lengthways	Ast (mm)	4665	4665	4665	4980
4.35	Turning radius	Wa (mm)	2640	2640	2640	2900	
4.36	Internal turning radius	b13 (mm)	950	950	950	1100	
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	15 / 15	15 / 15	14,5 / 15	14 / 15
	5.2	Lift speed, laden / unladen	(m/s)	0.25 / 0.39	0.24 / 0.39	0.23 / 0.39	0.21 / 0.38
	5.3	Lowering speed, laden / unladen	(m/s)	0.5 / 0.4	0.5 / 0.4	0.5 / 0.4	0.5 / 0.4
	5.5	Drawbar pull, laden / unladen (S2 60')	(S2 60')	6900 / 7500	6800 / 7400	6600 / 7300	6400 / 7200
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	16400 / 17000	16300 / 16900	16100 / 16800	15900 / 16700
	5.7	Gradeability, laden / unladen (S2 30')	(%)	6,5 / 11	6 / 10,5	5,5 / 10	5 / 9,5
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	10 / 16	9 / 15	8,5 / 14	8 / 13,5
	5.9	Acceleration time, laden / unladen (10 m)	(s)	5.8 / 5.4	6 / 5.6	6.1 / 5.7	6.2 / 5.8
	5.10	Service brake: mech./hydr./electr.		hydr. / electric	hydr. / electric	hydr. / electric	hydr. / electric
	MOTOR / BATT	6.1	Drive motor rating (S2 60')	(kW)	2x15	2x15	2x15
6.2		Lift motor rating (S3 20%)	(kW)	30	30	30	30
6.4		Battery voltage	U (V)	96	96	96	96
6.4.1		Rated capacity	K5 (Ah)	840 / 920 / 1000 / 1040 (TENSOR)	840 / 920 / 1000 / 1040 (TENSOR)	920 / 1000 / 1040 (TENSOR)	1035 / 1125 / 1125 (TENSOR)
6.5		Battery weight minimum/maximum	(kg)	2600 / 3050	2600 / 3050	2700 / 3050	3200 / 3400
OTHERS	8.1	Type of drive control		inverter	inverter	inverter	inverter
	8.2	Operating pressure for attachments	(bar)	160	160	160	160
	8.4	Sound level at the driver's ear	(dBA)	-	-	-	-

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(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 - PN pneumatic - VLK vulkollan®: for tires 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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