

Capacity / Centre of gravity:
14,000 - 16,000 kg / 600 mm

Voltage: 120 V

Vulkollan® tyres

Extremely compact machine, this forklift truck is the ideal solution to handle heavy loads in closed and confined environments.

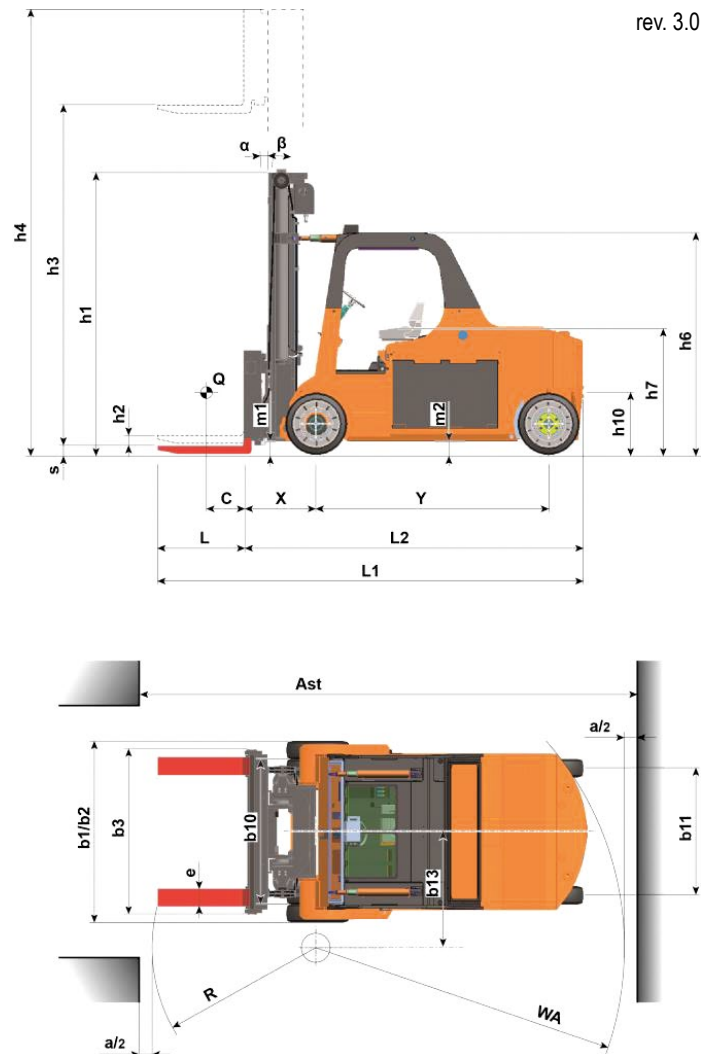
SERIES



Z 140 H
Z 150 H
Z 160 H

GENERAL FEATURES

- Capacity / Centre of gravity: 14.000 - 16.000 kg / 600 mm
- Tensione: 120 V
- Tyres: Vulkollan®
- Motors: AC
- Brakes: oil immersed
- Travel speed: 13 km/h
- Lifting speed: 0.36 m/s
- Battery 120 V - Maximum capacity 1320 Ah
- Multifunction display (MDE)
- Reversing Camera
- Automatic Parking Brake
- High positioned tilt cylinders
- Battery divided in two trays, easily side by side Removable Battery



THE BENEFITS OF CHOOSING CARER



Made with Vulkollan® tyres in order to obtain a max capacity of 16.000 kg with a very compact and sturdy monocoque chassis, this truck is ideal for moving heavy loads in enclosed and confined areas.

The position of the batteries, Between the axes, ensures an extremely low center of gravity, all in favour of stability.

The side by side lateral extraction of the battery divided in two trays allows quick, safe battery replacement.

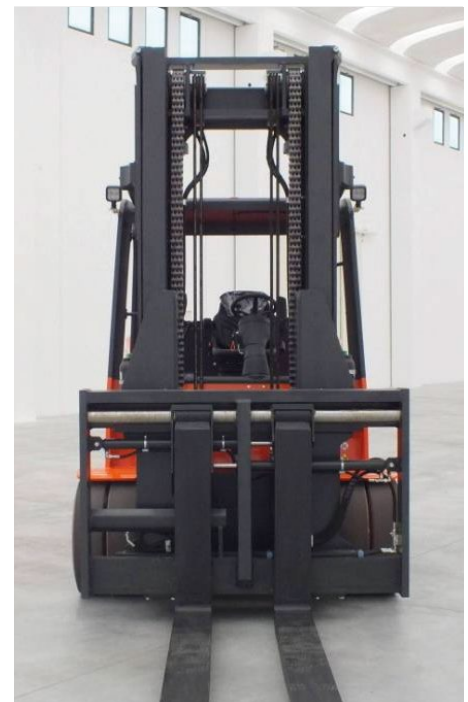


The driver's seat is well designed, spacious and easy to access. A practical handle and two wide steps make it easy to reach the driver's seat.

The controls and instruments layout is perfectly arranged respecting the ergonomic sizing requirements.

The central driver's seat allows perfect visibility in every direction.

Carer's high-performance electric motors are powerful and high efficiency performing.



They have been specifically designed for heavy-duty use thanks to Carer's ability to make the most of the latest electrical technology.

IDENTIFICATION	1.1	Manufacturer		C.A.R.E.R. Srl		
	1.2	Manufacturer's type designation		Z 140 H	Z 150 H	Z 160 H
	1.3	Drive		electric	electric	electric
	1.4	Operator type		seat	seat	seat
	1.5	Load capacity/rated load	Q (t)	14	15	16
	1.6	Load centre distance	C (mm)	600	600	600
	1.8	Load distance	X (mm)	815 ^{(1) (2)}	850 ^{(1) (2)}	850 ^{(1) (2)}
	1.9	Wheelbase	Y (mm)	2700	2700	2700
	WEIGHTS	2.1	Weight	(kg)	21470	22770
2.2		Axle loading, laden front / rear	(kg)	32265 / 3205	34600 / 3170	36854 / 3796
2.3		Axle loading, unladen front / rear	(kg)	10930 / 10540	11540 / 11230	12260 / 12390
WHEELS	3.1	Tyres type		VLK	VLK	VLK
	3.2	Tyre size, front		711x(203+203)	711x(203+203)	711x(203+203)
	3.3	Tyre size, rear		711x203	711x203	711x203
	3.5	Wheels, number front rear (x = driven wheels)		2X / 2	2X / 2	2X / 2
	3.6	Track width, front	b10 (mm)	1605	1605	1605
	3.7	Track width, rear	b11 (mm)	1400	1400	1400
	DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	7 / 10 ⁽²⁾	7 / 10 ⁽²⁾
4.2		Closed mast height	h1 (mm)	2950	3340	3340
4.3		Free lift	h2 (mm)	0	0	0
4.4		Lift (standard mast)	h3 (mm)	3400	3400	3400
4.5		Height, mast extended	h4 (mm)	4850	5260	5260
4.7		Height of overhead guard	h6 (mm)	2560	2560	2560
4.8		Seat height	h7 (mm)	1400	1400	1400
4.12		Coupling height	h10 (mm)	860	860	860
4.19		Overall length	L1 (mm)	5165	5200	5200
4.20		Length to face of forks	L2 (mm)	3965	4000	4000
4.21		Overall width	b1/b2 (mm)	2000	2000	2000
4.22		Fork dimensions	ExSxL (mm)	200x70x1200	200x70x1200	200x80x1200
4.23		Fork carriage iso 2328/30, FEM/A,B		CARER	CARER	CARER
4.24		Fork-carriage width	b3 (mm)	1800	1800	1800
4.31		Ground clearance, laden, below mast	m1 (mm)	180	180	180
4.32		Ground clearance, centre of wheelbase	m2 (mm)	150	150	150
4.33		Aisle width for pallets 1000x1200 crossways	Ast (mm)	5770	5800	5800
4.34		Aisle width for pallets 800x1200 lengthways	Ast (mm)	5970	6000	6000
4.35		Turning radius	Wa (mm)	3750	3750	3750
4.36		Internal turning radius	b13 (mm)	1600	1600	1600
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	12 / 13	10.5 / 11.5	9 / 10
	5.2	Lift speed, laden / unladen	(m/s)	0.21 / 0.36	0.26 / 0.33	0.22 / 0.28
	5.3	Lowering speed, laden / unladen	(m/s)	0.5 / 0.4	0.4 / 0.4	0.35 / 0.4
	5.5	Drawbar pull, laden / unladen (S2 60')	(S2 60')	17900 / 19800	16300 / 18000	13900 / 15300
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	53700 / 55600	48900 / 50600	41550 / 43000
	5.7	Gradeability, laden / unladen (S2 30')	(%)	10 / 17	9.2 / 15.8	8 / 13
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	14.5 / 25.5	13.1 / 23.2	11 / 18
	5.9	Acceleration time, laden / unladen (10 m)	(s)	6.8 / 5.6	6.1 / 5.1	5 / 4.3
	5.10	Service brake: mech./hydr./electr.		hydraulic / electric	hydraulic / electric	hydraulic / electric
	MOTOR / BATT	6.1	Drive motor rating (S2 60')	(kW)	35	35
6.2		Lift motor rating (S3 20%)	(kW)	2x35	2x35	2x35
6.4		Battery voltage	U (V)	120	120	120
6.4.1		Rated capacity	K5 (Ah)	1120 / 1240 / 1320 (TENSOR)	1120 / 1240 / 1320 (TENSOR)	1120 / 1240 / 1320 (TENSOR)
6.5		Battery weight minimum/maximum	(kg)	4400 / 4700	4400 / 4700	4400 / 4700
OTHERS	8.1	Type of drive control		inverter	inverter	inverter
	8.2	Operating pressure for attachments	(bar)	160	160	160
	8.4	Sound level at the driver's ear	(dBA)	-	-	-



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