

ELECTRIC FORKLIFT TRUCK SERIES R 120-160

CAPACITY 12.000-16.000 Kg
CENTER OF GRAVITY 600mm
VOLTAGE 120V
HYDRAULIC
TILTABLE CAB FOR A
QUICK AND EASY
BATTERY CHANGE,
HIGH PERFORMANCES,
LONG AUTONOMY AND
COMPACT SIZE.

R

carer

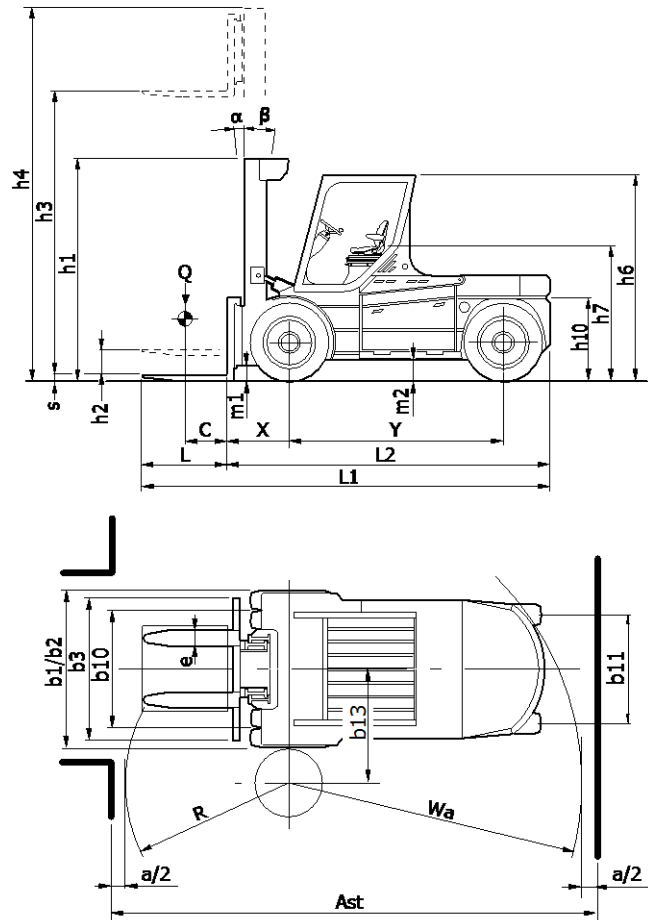
Electric Forklift Trucks



ELECTRIC FORKLIFT TRUCK CARER R 120-160

MAIN FEATURES

LOAD CAPACITY 12.000-16.000 Kg
CENTER OF GRAVITY 600mm
VOLTAGE 120V
COMPLETE TILTABLE CABIN
DUAL SUPER ELASTIC TYRES
AC MOTORS
MULTIFUNCTION DISPLAY
OIL IMMERSED BRAKES
LOW TILT CYLINDERS
TRAVEL SPEED 12 km/h
LIFTING SPEED 0,38 m/s
BATTERY 120V – Maximum capacity 1680Ah



a=200

rev 3.0

The benefits of choosing CARER

This truck is the ultimate expression of the strength and power of the standard range of Carer forklifts, coming to handle loads up to 16,000 kg. Equipped with tilting cabins for quick and easy battery change, this truck manages to combine high performance, long working cycles and compact in size.

Specifications

The superelastic tires make this family of trucks ideal for outdoor use.

The driver's space is carefully designed to provide maximum operator comfort: The steering wheel and seat are equipped with a wide range of adjustments and visibility is perfect in every direction.

The electronic control of traction

and lifting guarantees silent operation and maximum performance.

Technical features

The series trucks R120-160 are equipped with a sturdy axle which allows sharp steering angles. The brakes in oil bath ensure maximum effectiveness of the braking and reduce maintenance costs. The electric braking energy recovery can be adjusted in intensity according to the preferences of the operator.

The hydraulic cylinder tilts the cab, to be able to change the two batteries that are placed between the two axles of the machine. The batteries can be changed using the forkpockets underneath the battery containers.



		C.A.R.E.R. Srl		
IDENTIFICATION	1.1	Manufacturer		
	1.2	Manufacturer's type designation	R120	R160
	1.3	Drive	electric	electric
	1.4	Operator type	seat	seat
	1.5	Load capacity/rated load	Q (t)	12 / 16
	1.6	Load centre distance	C (mm)	600 / 600
	1.8	Load distance	X (mm)	910 (1) (2) / 950 (1) (2)
	1.9	Wheelbase	Y (mm)	3020 / 3020
	WEIGHTS	2.1	Weight	(kg)
2.2		Axle loading, laden front / rear	(kg)	29460 / 2565 / 36970 / 3370
2.3		Axle loading, unladen front / rear	(kg)	11460 / 8565 / 12760 / 11580
WHEELS	3.1	Tyres type		SEG / SEG
	3.2	Tyre size, front		12.00-20 / 12.00-20
	3.3	Tyre size, rear		12.00-20 / 12.00-20
	3.5	Wheels, number front rear (x = driven wheels)		4X/2 / 4X/2
	3.6	Track width, front	b10 (mm)	1840 / 1840
	3.7	Track width, rear	b11 (mm)	1785 / 1785
DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	α/β (°)	3/7(2) / 3/7(2)
	4.2	Closed mast height	h1 (mm)	2900 / 3350
	4.3	Free lift	h2 (mm)	0 / 0
	4.4	Lift (standard mast)	h3 (mm)	3400 / 3400
	4.5	Height, mast extended	h4 (mm)	5000 / 5250
	4.7	Height of overhead guard	h6 (mm)	2830 / 2830
	4.8	Seat height	h7 (mm)	1750 / 1750
	4.12	Coupling height	h10 (mm)	880 / 880
	4.19	Overall length	L1 (mm)	5820 / 5860
	4.20	Length to face of forks	L2 (mm)	4620 / 4660
	4.21	Overall width	b1/b2 (mm)	2485 / 2485
	4.22	Fork dimensions	exsXL (mm)	200x70x1200 / 200x80x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B		CARER / CARER
	4.24	Fork-carriage width	b3 (mm)	2000 / 2000
	4.31	Ground clearance, laden, below mast	m1 (mm)	200 / 200
4.32	Ground clearance, centre of wheelbase	m2 (mm)	300 / 300	
4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	6710 / 6750	
4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	6910 / 6950	
4.35	Turning radius	Wa (mm)	4600 / 4600	
4.36	Internal turning radius	b13 (mm)	2130 / 2130	
PERFORMANCE	5.1	Travel speed, laden / unladen	(km/h)	12/12 / 11/11
	5.2	Lift speed, laden / unladen	(m/s)	0,29/0,38 / 0,24/0,32
	5.3	Lowering speed, laden / unladen	(m/s)	0,4/0,4 / 0,4/0,4
	5.5	Drawbar pull, laden / unladen (S2 60')	(N)	10900 / 13000 / 9500 / 12250
	5.6	Max. drawbar pull, laden / unladen (S2 5')	(N)	27300 / 29400 / 25900 / 28500
	5.7	Gradeability, laden / unladen (S2 30')	(%)	6,5 / 11,4 / 4,8 / 9,1
	5.8	Max. gradeability, laden / unladen (S2 5')	(%)	8,6 / 14,7 / 6,5 / 11,8
	5.9	Acceleration time, laden / unladen (10 m)	(s)	6,5 / 5,2 / 7,4 / 6
	5.10	Service brake: mech./hydr./electr.		hydraulic/electric / hydraulic/electric
	MOTOR / BATT.	6.1	Drive motor rating (S2 60')	(kW)
6.2		Lift motor rating (S3 20%)	(kW)	2x35 / 2x35
6.4		Battery voltage	U (V)	120 / 120
6.4.1		Rated capacity	K5 (Ah)	1250 / 1400 / 1550 / 1680 / 1400 / 1550 / 1680
6.5		Battery weight minimum/maximum	(kg)	4450 / 5700 / 5300 / 5700
OTHERS	8.1	Type of drive control		inverter / inverter
	8.2	Operating pressure for attachments	(bar)	160 / 160
	8.4	Sound level at the driver's ear	(dBA)	- / -

VDI 2198

Rev9 23/06/2015

(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 - L pneumatic - VLK vulkolan

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



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