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

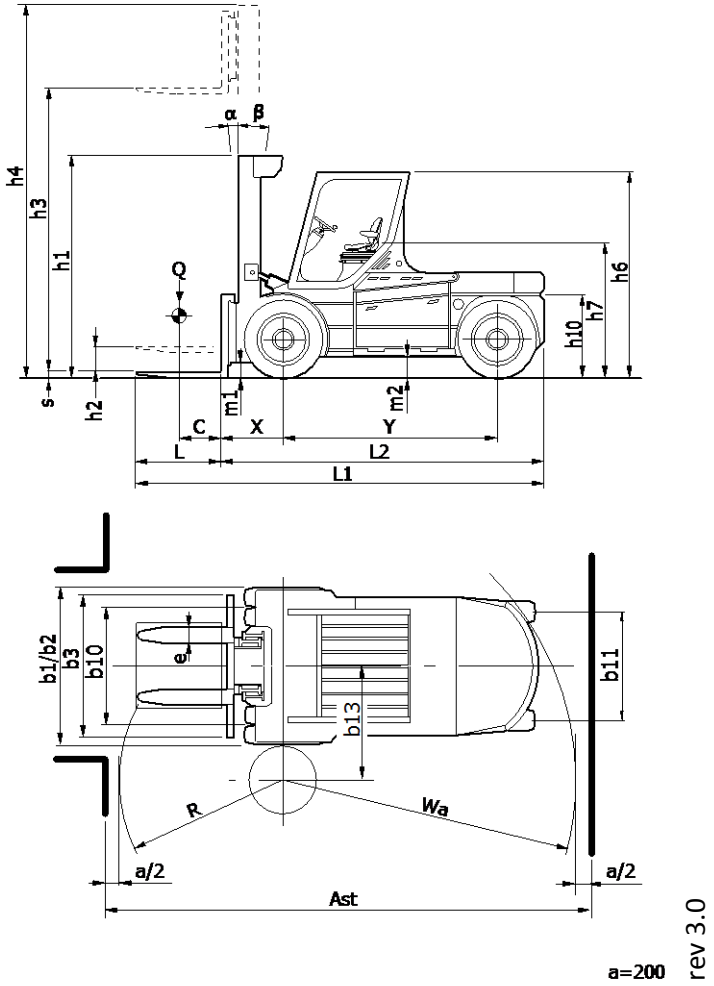
carer
Electric Forklift Trucks



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



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 cilinder 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.





IDENTIFICATION	1.1	Manufacturer			C.A.R.E.R. Srl	
	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)	20025	24340
	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')		(%)	8 / 13	6.2 / 11
	5.8	Max. gradeability, laden / unladen (S2 5')		(%)	10.5 / 16	9 / 15.5
	5.9	Acceleration time, laden / unladen (10 m)		(s)	6 / 5	6.7 / 5.1
	5.10	Service brake: mech./hydr./electr.			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
	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

Rev10 06/10/2016

(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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Electric Forklift Trucks

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