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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

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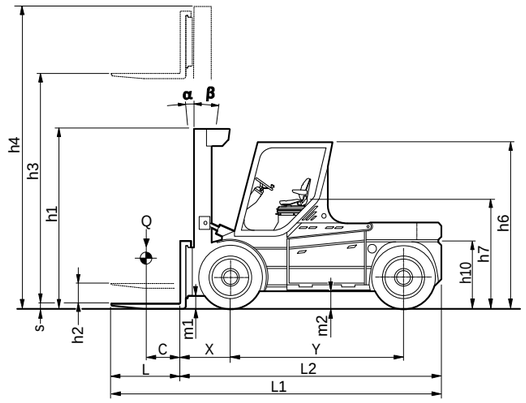
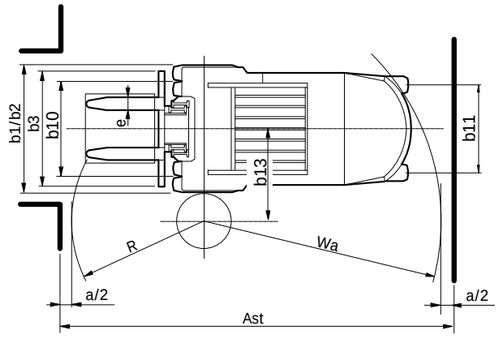
ELECTRIC FORKLIFT TRUCK CARER R 120-160

Technical data in accordance with VDI 2198

MAIN FEATURES

LOAD CAPACITY 12.000-16.000 Kg
CENTER OF GRAVITY 600mm
VOLTAGE 120V
COMPLETE TILTABLE CABIN
TYRES DUAL SUPER ELASTIC
DC MOTORS
MULTIFUNCTION EASY INFO (MDE)
OIL IMMERSED BRAKES
TRAVEL SPEED 10, km/h
LIFTING SPEED 0,26 m/s
BATTERY 120V 1550Ah
LOW POSITIONED TILT CYLINDERS





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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.

CHARACTERISTICS	1,1	Manufacturer		CARER	
	1,2	Type		R120	R160
	1,3	Power Source:Battery, diesel, gas,electric mains		battery	battery
	1,4	Operation: manual, pedestrian, stand, seat		seat	seat
	1,5	Load capacity	Q (t)	12,0	16,0
	1,6	Load center	C (mm)	600	600
	1,8	Load distance	X (mm)	860 (1)	950 (1)
	1,9	Wheelbase	Y (mm)	2915	3020
WEIGHTS	2,1	Unladen weight (max.battery)	(kg)	20025	26500
	2,2	Axle loading laden front/rear (max.battery)	(kg)	29460/2565	39900/2600
	2,3	Axle loading unladen front/rear (max.battery)	(kg)	11450/8575	15690/10810
TYRES	3,1	Tyres: C= cushion, SE= super-elastic, PN= Pneumatic, SEG= dual super-elastic PNG= dual pneumatic, VLK= vulkollan		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)		4X/2	4X/2
	3,6	Track width, front, standard/wide tread	b10 (mm)	1835	1835
DIMENSIONS	3,7	Track width, rear	b11 (mm)	1786	1786
	4,1	Mast tilt, forward α / back β	α/β (°)	7/10 (2)	7/10 (2)
	4,2	Height of mast lowered	h1 (mm)	2900	3250
	4,3	Free lift	h2 (mm)	0	0
	4,4	Lift height	h3 (mm)	3400	3600
	4,5	Height of mast extended	h4 (mm)	4990	5120
	4,7	Height to top of overhead guard	h6 (mm)	2830	2830
	4,8	Seat height	h7 (mm)	1750	1750
	4,12	Towing coupling height	h10 (mm)	1200	1200
	4,19	Overall length	L1 (mm)	5645	5850
	4,20	Length to face of fork	L2 (mm)	4445	4650
	4,21	Overall width, standard / wide tread	b1 (mm)	2485	2485
	4,22	Fork dimensions	exsxL (mm)	200x80x1200	220x90x1200
	4,23	Fork carriage ISO 2328/30, FEM / A, B		CARER	CARER
	4,24	Fork carriage width	b3 (mm)	2200	2200
	4,31	Ground clearance under mast, laden	m1 (mm)	180	180
	4,32	Ground clearance at center of wheelbase	m2 (mm)	300	300
	4,33	Aisle width with pallets 1000x1200mm wide	Ast (mm)	6490	6750
	4,34	Aisle width with pallets 800x1200mm long	Ast (mm)	6690	6950
	4,35	Outer turning radius	Wa (mm)	4430	4600
PERFORMANCES	4,36	Inner turning radius, standard/wide tread	b13 (mm)	2000	2130
	5,1	Travel speed, with / without load	(km/h)	9,0/10,0	7,5/9,0
	5,2	Lifting speed, with / without load	(m/s)	0,17/0,26	0,15/0,24
	5,3	Lowering speed with / without load	(m/s)	0,40/0,40	0,40/0,40
	5,5	Drawbar pull, with / without load (S2 60 ')	(N)	13900/15600	12900/15000
	5,6	Max drawbar pull, with / without load (S2 5 ')	(N)	34000/35700	33000/35200
	5,7	Gradeability, with / without load (S2 30 ')	(%)	8,8/15,1	6,9/12,2
	5,8	Max gradeability, with / without load (S2 5 ')	(%)	10,8/18,4	8,5/14,9
	5,9	Acceleration time, with / without load (10 m)	(s)	6,5/5,2	7,4/6
MOTORS / BATT.	5,10	Service brake: mech. / Hydraulic / electric		hydr/elect	hydr/elect
	6,1	Drive motor output (S2 60 ')	(kW)	50	50
	6,2	Lifting motor (S3 20%)	(kW)	42	42
	6,4	Battery voltage	U (V)	120	120
	6.4.1	Battery capacity	K5 (Ah)	1250/1400/1550	1400/1550
OTHER	6,5	Battery weight minimum / maximum	(kg)	4450/5700	5300/5700
	8,1	Drive control		mosfet	mosfet
	8,2	Working pressure for attachments	(bar)	160	160
	8,4	Average noise level at operator's ear	(dBA)	-	-

VDI 2198 *rev3 04/06/12*

(1) With integral side-shift on the mast

(2) Lifting heights > 4.5 m, 3°/ 7°.

The performance data refer to forklift truck in perfect efficiency, with battery weight corresponding to the values given in 6,5