carer
Electric Forklift Trucks

F SERIES

Capacity / Centre of gravity:
8,000 kg / 900 mm -10,000 kg / 600 mm
Voltage 96 V
Very high performances for heavy duty applications
Travel speed: 18 km/h
Lifting speed: 0.36 m/s



F80 900HD²
F100 600HD²

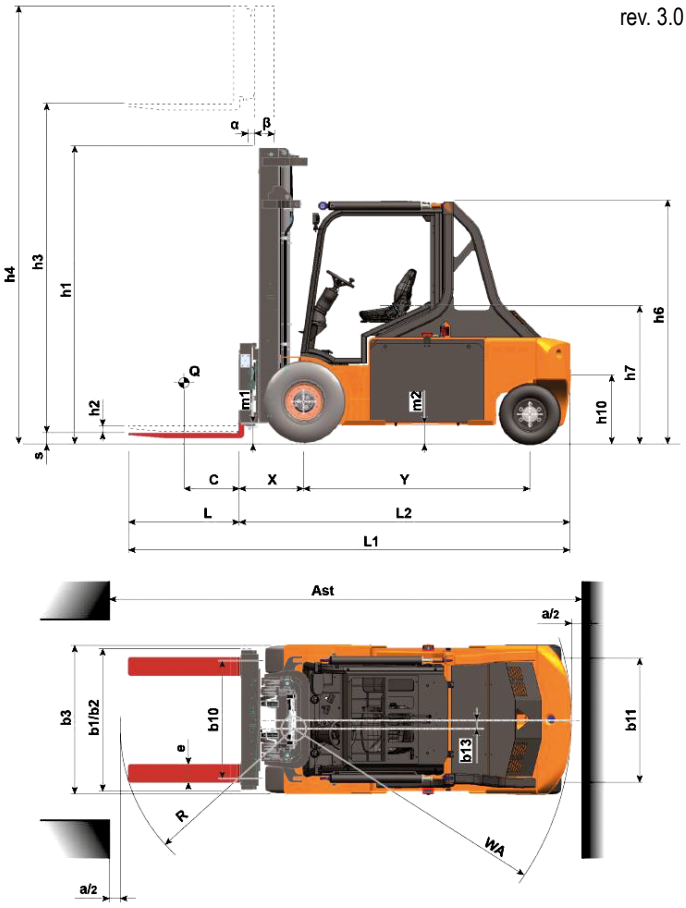
rev. 3.0

MAIN FEATURES

- **Capacity / Centre of gravity: 8,000 kg / 900 mm - 10,000 kg / 600 mm**
- **Voltage: 96 V**
- **Tyres: twin superelastic**
- **Motors: AC**
- **Brakes: electric**
- **Travel speed: 18 km/h**
- **Lifting speed: 0.36 m/s**
- **Battery 96 V – Maximum capacity 1475 Ah**
- **Advanced multifunction digital display (AMD)**
- **Rear view camera**
- **High positioned tilt cylinders**

AVAILABLE CONTAINER VERSION KF 80/900-100/600 HD²

Total height = 2235 mm



THE BENEFITS OF CHOOSING CARER

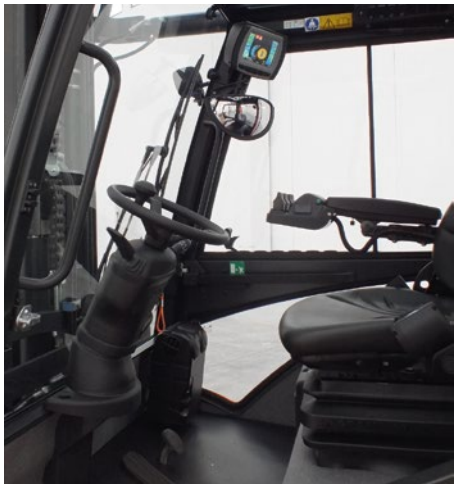
Designed to support long working cycles and high performance, the F 80/900-100/600 HD² (heavy duty) can be considered as the latest expression of the principles and the technology developed by Carer over the years. Better energy efficiency of the new front axle group developed by Carer that consists of two twin traction motors and two reduction gears, generates an energy saving over 25% of the VDI cycle.
The ergonomic design of the driver's place, the separate cab mounted on silent blocks and anti vibration system allows to provide to F 80/900-100/600 HD² the maximum comfort for the driver and to reduce the fatigue of the operator during long working shifts.

Specifications

Equipped with two drive motors 15 kW with high RPM and high Torque and a lifting motor 45 kW, this truck is able to reach a speed of 18 km/h and 0.36 m/s lifting speed.
Large acceleration is unbeatable by any ICE and electric forklift truck.
Battery replacement, easy and rapid extraction side ways with minimum of time and effort to change. The specific design gives an extreme compact, sharp-axle steering for extreme manoeuvrability and high performance engines.



An advanced multifunctional display, allows to adjust the settings of the truck depending on the applications and wishes of the operators to increase the benefits in terms of high performance or long autonomies.
The rear camera integrated in the LCD screen and automatically connected to reverse helps the driver in backward manoeuvring.



F 80900HD²
F 100600HD²

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IDENTIFICATION	1.1	Manufacturer			C.A.R.E.R. Srl	
	1.2	Manufacturer's type designation			F 80@900 HD²	F 100@600 HD²
	1.3	Drive			electric	electric
	1.4	Operator type			seat	seat
	1.5	Load capacity/rated load	**Q**	(t)	8	10
	1.6	Load centre distance	**C**	(mm)	900	600
	1.8	Load distance	**X**	(mm)	700 (1) (2)	720 (1) (2)
	1.9	Wheelbase	**Y**	(mm)	2630	2630
WEIGHTS	2.1	Weight		(kg)	14175	14425
	2.2	Axle loading, laden front / rear		(kg)	20356 / 1819	22678 / 1747
	2.3	Axle loading, unladen front / rear		(kg)	7490 / 6685	7660 / 6765
WHEELS	3.1	Tyres type			SEG	SEG
	3.2	Tyre size, front			8.25-15	300-15
	3.3	Tyre size, rear			315/45-12	315/45-12
	3.5	Wheels, number front rear (x = driven wheels)			4X/2	4X/2
	3.6	Track width, front	**b10**	(mm)	1460	1460
	3.7	Track width, rear	**b11**	(mm)	1215	1215
DIMENSIONS	4.1	Tilt of mast / fork carriage forward / backward	**α/β**	(°)	5.5 / 6 (2)	5.5 / 6 (2)
	4.2	Closed mast height	**h1**	(mm)	2900	2950
	4.3	Free lift	**h2**	(mm)	0	0
	4.4	Lift (standard mast)	**h3**	(mm)	3400	3400
	4.5	Height, mast extended	**h4**	(mm)	4800	4850
	4.7	Height of overhead guard	**h6**	(mm)	2420	2420
	4.8	Seat height	**h7**	(mm)	1330	1330
	4.12	Coupling height	**h10**	(mm)	465	465
	4.19	Overall length	**L1**	(mm)	5340	4960
	4.20	Length to face of forks	**L2**	(mm)	3740	3760
	4.21	Overall width	**b1/b2**	(mm)	1900	2000
	4.22	Fork dimensions	**ExSxL**	(mm)	200x70x1600	200x60x1200
	4.23	Fork carriage iso 2328/30, FEM/A,B			4A	5A
	4.24	Fork-carriage width	**b3**	(mm)	1800	1800
	4.31	Ground clearance, laden, below mast	**m1**	(mm)	180	180
	4.32	Ground clearance, centre of wheelbase	**m2**	(mm)	165	165
	4.33	Aisle width for pallets 1000x1200 crossways	**Ast**	(mm)	5350	5420
	4.34	Aisle width for pallets 800x1200 lengthways	**Ast**	(mm)	5550	5420
	4.35	Turning radius	**Wa**	(mm)	3450	3500
	4.36	Internal turning radius	**b13**	(mm)	1150	1250
PERFORMANCE	5.1	Travel speed, laden / unladen		(km/h)	17 / 18	16 / 18
	5.2	Lift speed, laden / unladen		(m/s)	0.25 / 0.36	0.22 / 0.32
	5.3	Lowering speed, laden / unladen		(m/s)	0.43 / 0.35	0.38 / 0.31
	5.5	Drawbar pull, laden / unladen (S2 60')		(N)	5600 / 6300	5000 / 5650
	5.6	Max. drawbar pull, laden / unladen (S2 5')		(N)	20700 / 21500	18600 / 19350
	5.7	Gradeability, laden / unladen (S2 30')		(%)	5 / 9	4.5 / 8
	5.8	Max. gradeability, laden / unladen (S2 5')		(%)	9.2 / 16	8.3 / 14.5
	5.9	Acceleration time, laden / unladen (10 m)		(s)	7 / 5.2	6.2 / 4.7
	5.10	Service brake			electric	electric
MOTOR / BATT.	6.1	Drive motor rating (S2 60')		(kW)	2x15	2x15
	6.2	Lift motor rating (S3 20%)		(kW)	45	45
	6.4	Battery voltage	**U**	(V)	96	96
	6.4.1	Rated capacity	**K5**	(Ah)	1395 / 1475 (TENSOR)	1395 / 1475 (TENSOR)
	6.5	Battery weight minimum/maximum		(kg)	4050 / 4200	4050 / 4200
OTHERS	8.1	Type of drive control			inverter	inverter
	8.2	Operating pressure for attachments		(bar)	200	200
	8.4	Sound level at the driver's ear		(dBA)	-	-

VDI 2198

Rev0 21/11/2012

(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: 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 C.A.R.E.R. products and specifications are subject to change without notice.

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