

ECG80-9 | Electrical drivetrain | Duplex, clear view, standard - LH 5000
Lifting data

ECG80-9	
Lifting capacity, rated (kg)	8000
Lifting speed, unloaded – at 70% of rated load (m/s)	0,32 - 0,31
Lowering speed, unloaded – at rated load (m/s)	0,45 - 0,50

Driving data

Travelling speed forward, unloaded – at rated load (km/h)	17 - 14
Travelling speed backward, unloaded – at rated load (km/h)	17 - 14
Gradeability max., unloaded – at rated load (%)	37 - 21
Gradeability at 2 km/h, unloaded – at rated load (%)	29 - 16
Drawbar pull, max. (kN)	40

Weight of truck

Weight, with battery - without battery (kg)	-
Axle load front, unloaded – at rated load (kg)	-
Axle load rear, unloaded – at rated load (kg)	-

Drivetrain

Drive axle – type	Differential and hub reduction
Drive motor, hourly capacity (kW)	2 x 17,6 kW - S2 60 min
Speed control, principle – number of steps	High frequency MOSFET, AC - Stepless
Pump motor hydraulics, intermittent capacity – duty factor (kW)	1 x 42 kW - S3 15%
Pump motor brakes, intermittent capacity – duty factor (kW)	1 x 2,2 kW - S1 100%
Pump control, principle – number of steps	High frequency MOSFET, AC - Stepless

Battery

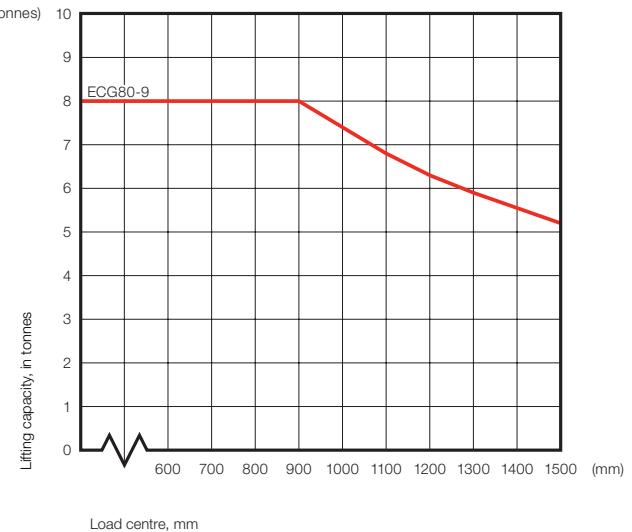
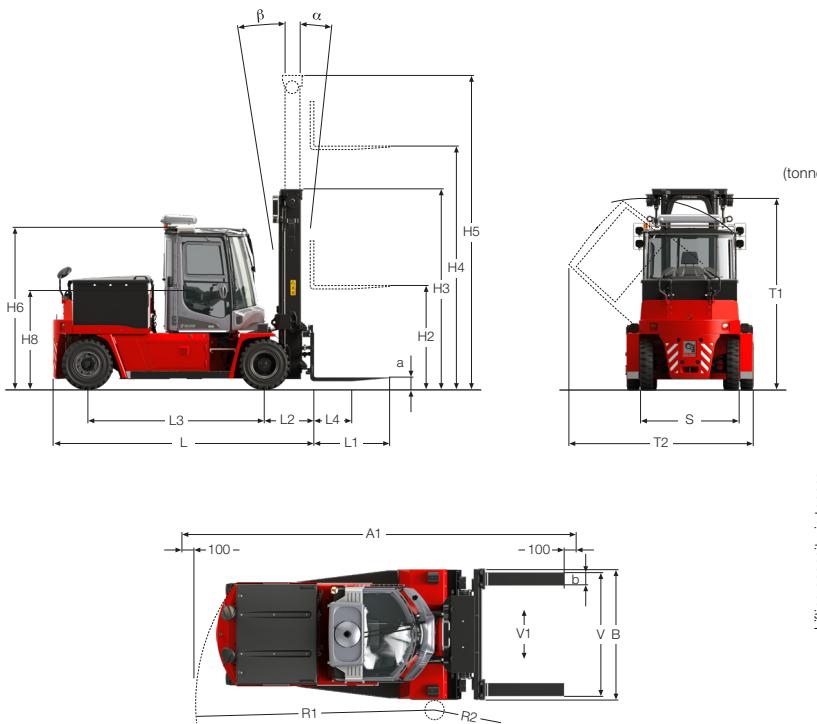
Battery type	Lead-Acid
Dimensions, W x H x L (mm)	1495 x 780 x 1190
Capacity at 5h discharging – voltage (Ah – V)	1550A - 80V (124 kWh)
Max. charging current (A – V)	300 - 80
Weight, with battery - without battery (kg)	3700

Wheels

Type	Air Radial / Solid Pneumatic (SE) - Air Radial
Dimension, front – rear (inch)	8,25-R15 – 8,25-R15
Number of wheels, front – rear (*driven)	4* - 2

Miscellaneous

Steering system, type – maneuvering	Hydraulic servo - Steering wheel
Service brake system, type – affected wheels	Oil cooled disc brakes – Drive wheel
Parking brake system, type – affected wheels	Dry, spring activated disc brakes - Drive wheel
Max. hydraulic pressure (MPa)	20,0
Noise level EN12053 with ECO modes - equivalent inside cabin LpAZ (dB(A))	66
Noise level EN12053 with ECO-modes - equivalent outside cabin LwAZ (dB(A))	78
Hydraulic oil volume (l)	155



Dimensions

Length of truck (mm)	L	4105
Width of truck (mm)	B	2000
Height of basic machine (mm)	H6	2590
Height of seat (mm)	H8	1440
Distance between centre of front axle – front face of fork arm (mm)	L2	797
Wheelbase (mm)	L3	2800
Load centre (mm)	L4	900
Track (c-c), front – rear (mm)	S	1500 - 1360
Turning radius, outer – inner (mm)	R1-R2	3700 - 300
Ground clearance, min. (mm)		160
Max. height when tilting cab (mm)	T1	3020
Max. width when tilting cab (mm)	T2	3225
Min. aisle for 90° stacking with forks (mm)	A1	6450
Lifting height (mm)	H4	5000
Mast height, min. (mm)	H3	3685
Mast height, max. (mm)	H5	6160
Tilting of mast, forward - backward (°)	α-β	6 - 9
Fork width (mm)	b	200
Fork thickness (mm)	a	65
Length of forkarm (mm)	I	1800
Width across fork arms, max. - min. (mm)	V	-
Sideshift ± at width of across fork arms (mm)	V1-V	-

The design and materials specification are subject to alteration without prior notice.
Tolerances according to K-standard 95430.0008/0009

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