

ECG55-6 | Electrical drivetrain | Duplex, clear view, free lift - LH 4000

Lifting data

ECG55-6

Lifting capacity, rated (kg)	5500
Lifting speed L4, unloaded – at 70% of rated load (m/s)	0,40 - 0,35
Lowering speed L4, unloaded – at rated load (m/s)	0,45 - 0,50

Driving data

Travelling speed forward, unloaded – at rated load (km/h)	18 - 15
Travelling speed backward, unloaded – at rated load (km/h)	18 - 15
Gradeability max., unloaded – at rated load (%)	53 - 30
Gradeability at 2 km/h, unloaded – at rated load (%)	40 - 23
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 × 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 × 42 kW - S3 15%
Pump motor brakes, intermittent capacity – duty factor (kW)	1 × 2,2 kW - S1 100%
Pump control, principle – number of steps	High frequency MOSFET, AC - Stepless

Battery

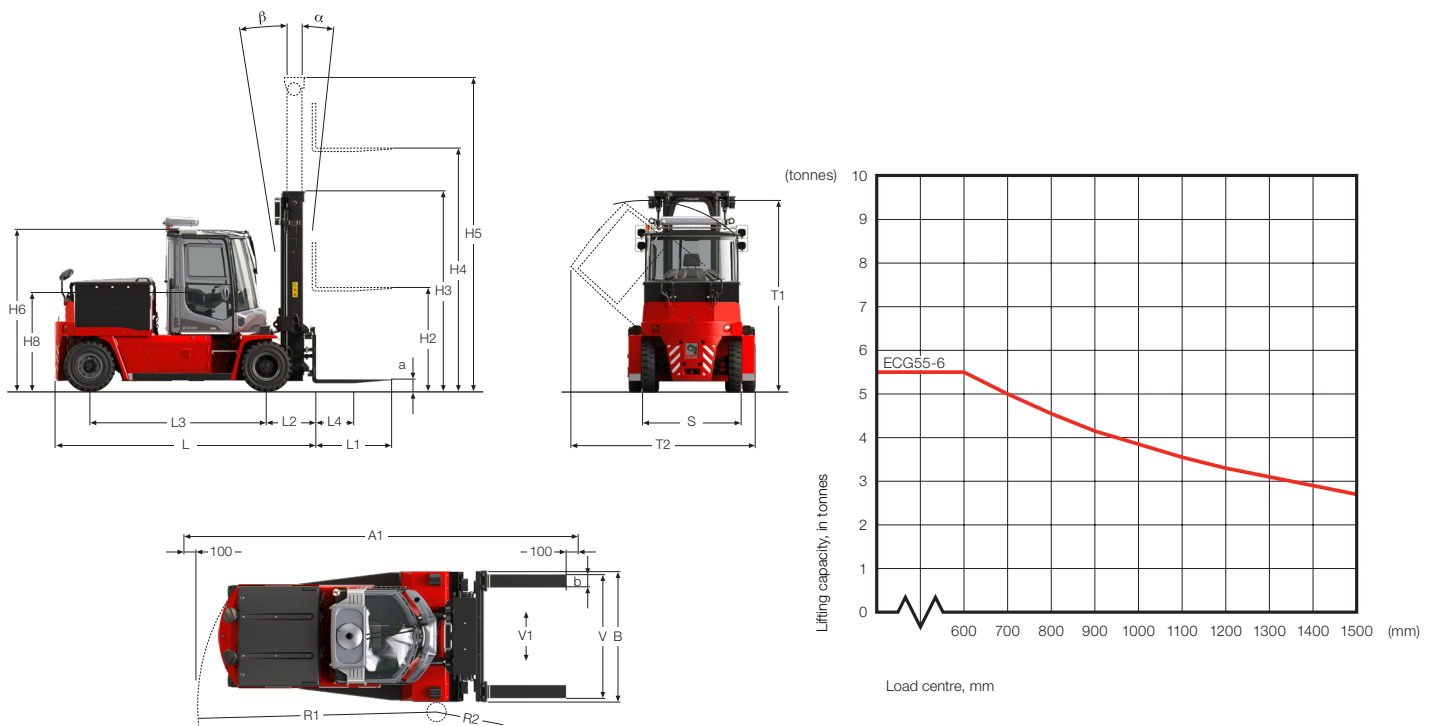
Battery type	Lead-Acid
Dimensions, W × H × L (mm)	1295 × 780 × 845
Capacity at 5h discharging – voltage (Ah – V)	940A - 80V (75 kWh)
Max. charging current (A – V)	175 - 80
Weight, with battery - without battery (kg)	2300

Wheels

Type	Pneumatic / Diagonal
Dimension, front – rear (inch)	315/70-15 – 225/75-15
Number of wheels, front – rear (*driven)	2* - 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)	14,5
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))	66
Hydraulic oil volume (l)	125



Dimensions

Length of truck (mm)	L	3410
Width of truck (mm)	B	1550
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	727
Wheelbase (mm)	L3	2100
Load centre (mm)	L4	600
Track (c-c), front – rear (mm)	S	1240 - 1266
Turning radius, outer – inner (mm)	R1-R2	3000 - 115
Ground clearance, min. (mm)		160
Max. height when tilting cab (mm)	T1	3020
Max. width when tilting cab (mm)	T2	3000
Lifting height (mm)	H4	4000
Mast height, min. (mm)	H3	3000
Mast height, max. (mm)	H5	5100
Free lift (mm)		1905
Tilting of mast, forward - backward (°)	α - β	5 - 10
Fork width (mm)	b	150
Fork thickness (mm)	a	60
Length of forkarm (mm)	l	1200
Width across fork arms, max. - min. (mm)	V	-
Sideshift \pm at width of across fork arms (mm)	V1-V	-

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



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