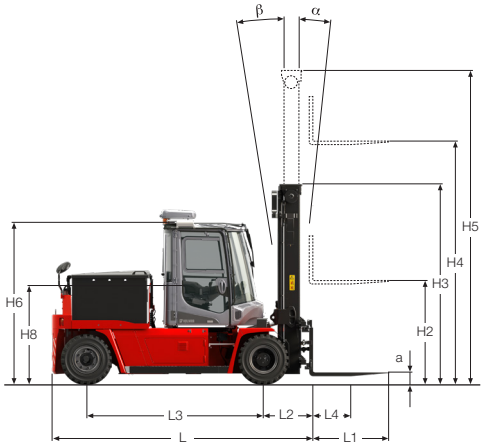
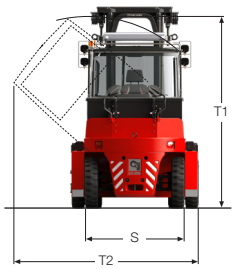
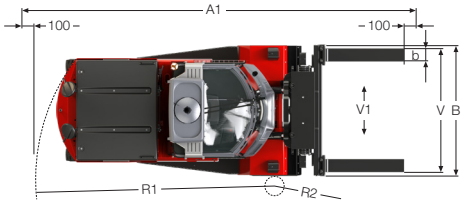
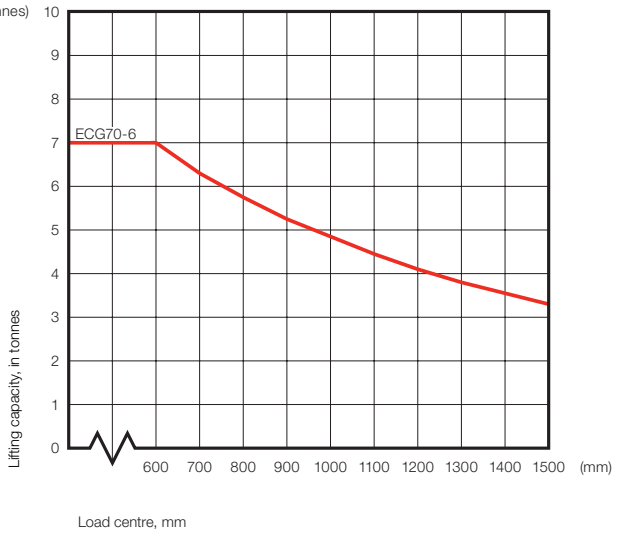
ECG70-6 | Electrical drivetrain | Duplex, clear view, free lift - LH 5000

Lifting data	ECG70-6
Lifting capacity, rated (kg)	7000
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 - 15
Travelling speed backward, unloaded – at rated load (km/h)	17 - 15
Gradeability max., unloaded – at rated load (%)	46 - 25
Gradeability at 2 km/h, unloaded – at rated load (%)	36 - 20
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)	1500 × 780 × 990
Capacity at 5h discharging – voltage (Ah – V)	1240A - 80V (99 kWh)
Max. charging current (A – V)	225 - 80
Weight, with battery - without battery (kg)	2900 - 3100
Wheels	
Type	Pneumatic / Diagonal
Dimension, front – rear (inch)	8,25-15 – 8,25-15
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)	17,5
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)	155









Dimensions

Length of truck (mm)	L	3782
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	727
Wheelbase (mm)	L3	2450
Load centre (mm)	L4	600
Track (c-c), front – rear (mm)	S	1500 - 1360
Turning radius, outer – inner (mm)	R1-R2	3390 - 155
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	5520
Lifting height (mm)	H4	5000
Mast height, min. (mm)	H3	3500
Mast height, max. (mm)	H5	6100
Free lift (mm)		2405
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	420 - 1400
Sideshift ± at width of across fork arms (mm)	V1-V	300 - 800

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

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