

LI-ION ELECTRIC FORKLIFT TRUCK GSE35/5

CHARACTERISTICS

- Guaranteed spare parts supply and customer service
- Quick helper for storing goods and unloading lorries
- High energy efficiency, thanks to the actual energy consumption of 5.08 kW
- Electric side lift for quick and efficient work from the driver's cab
- Fast charging and high energy density, thanks to the innovative Li-Ion battery
- Grab handles, adjustable seat and intelligently placed steps for ergonomics
- Continuously variable fork lifting, thanks to the triplex lift mast
- With curved rear-view mirror, audible reverse warning and horn for safe operation



GENERAL

Type	Unit	Value
Brand		SolidHub
Model		GSE35/5
Type		Electric forklift truck
Width	in	49.61
Depth	in	148.5
Height	in	89.37 - 236.89
Weight	lbs	11,772.7
Maximum load	lbs	7,716
Load capacity at max. height	lbs	5,180.86
Mains voltage	V	380
Range of application		Indoor / Outdoor

DIMENSIONS

Type	Unit	Value
Height of the mast, lowered	in	89.37
Height of the mast, extended	in	236.89
Canopy height	in	85.83
ISO suspension dimension		2328 3A
Fork width	in	4.92
Fork length	in	47
Fork height	in	1.97
Free lifting height	in	40.94
Length to fork surface	in	101.26
Ground clearance	in	4.33
Distance between mast and ground	in	4.33
Clearance between wheel-base center and floor (loaded)	in	5.31
Axle centre to the front of the fork	in	18.98
Lifting height	in	1.97 - 189
Load centre of gravity	in	19.69
Aisle width with pallet 1000 x 1200 across the forks	in	162.09
Min. aisle width	in	162.09
Aisle width with pallet 800 x 1200 along the forks	in	162.09
Mast tilt angle (to the front)	°	6
Mast tilt angle (to the rear)	°	6
Seat height	in	45.83
Height of trailer hitch	in	12.2
Turning radius	in	90.55

MATERIAL

Type	Unit	Value
Surface		industrial painted finish

BATTERY

Type	Unit	Value
Battery		Li-Ion
Battery weight	lbs	529
Number of batteries		1
Nominal voltage	V	80
Nominal capacity	Ah	250
Battery life	h	4
Charging time	h	2.7
Charging current	A	200
Charging voltage	V	80

CONTROL

Type	Unit	Value
Drive motor control mode		MOSFET / AC
Control mode hoist motor		MOSFET / AC
Driving mode		Sitting

POWER

Type	Unit	Value
Actual energy consumption	kW	5.08
Drive motor power (AC)	kW	15
Lifting motor power (AC) - S3 15%	kW	16
Lowering speed loaded	in/s	15.75
Lowering speed unloaded	in/s	15.75
Lifting speed loaded	in/s	11.42
Lifting speed unloaded	in/s	17.32
Acceleration time (loaded)	in/s	0.24
Acceleration time (unloaded)	in/s	0.2
Service brake		hydraulic
Parking brake		Mechanical
Working pressure	psi	2,320.6
Speed	mph	9.3
Gradeability	%	15 - 23

LOAD

Type	Unit	Value
Rear axle load	lbs	1,609.37
Rear axle load unloaded	lbs	6,062.71
Front axle load	lbs	16,821.25
Front axle load unloaded	lbs	4,651.75
Max. Traction force (loaded)	N	17,000

TIRES & CASTORS

Type	Unit	Value
Number of tyres		4
Wheelbase	in	68.9

