

ELECTRIC FORKLIFT – GSE15/5

CHARACTERISTICS

- The electric forklift truck is energy-saving, quiet and exhaust-free, making it perfect for indoor use.
- Small turning radius thanks to rear steering simplifies working in confined spaces.
- Electric battery and engine serve as counterweight for the truck
- Integrated charger for fast and reliable charging.
- Power-saving LED headlights and signal lights.
- Laterally adjustable forks allow transport of different goods, pallet cages and pallet sizes.
- Low mast height of 86.2" for easy unloading, even from containers.



GENERAL

Type	Unit	Value
Brand		SolidHub
Model		GSE15/5
Traction weight	lbs	3307
Traction weight at max. lift height	lbs	2535.3
Load centre of gravity	"	19.7
Operating mode		Battery
Driving mode		Sitting
Wheelbase (y)	"	58.1
Effective energy consumption	kW	4

WEIGHT

Type	Unit	Value
Total weight	lbs	7059.2
Axle load: unladen, front / rear	lbs	2852.7 / 3441.4
Axle load: loaded, front / rear	lbs	8198.9 / 1402.1

POWER

Type	Unit	Value
Driving speed (loaded / unloaded)	mph	9 / 15
Lifting speed (loaded / unloaded)	"/s	12.6 / 440
Lowering speed (loaded / unloaded)	"/s	15.7 / 400
Gradeability (loaded / unloaded)	%	17 / 27
Max. Traction force (loaded)	N	10200
Acceleration time (393.7") (loaded / unloaded)	s	5.5 / 5.2

MOTOR AND CONTROL

Type	Unit	Value
Drive motor power S2 - 60 min.	kW	8
Power of the lifting motor - S3 15%	kW	10.6
Control mode of drive and hoist motor		MOSFET / AC
Service brake		Hydraulic
Parking brake		Mechanical
Working pressure of the hydraulic system	MPa	16

DIMENSIONS

Type	Unit	Value
Total length (l1)	"	131.8
Width of truck body (b1)	"	44.1
Mast tilt angle, forward / rearward	° (α / β)	6 / 6
Height of retracted mast (h1)	"	86.2
Free lift height (with fallback protection) (h2)	"	45.3
Max. Lifting height (h3)	"	189
Max. Height extended mast (h4)	"	228.9
Height of canopy (h6)	"	83.9
Seat height (h7)	"	44.3
Mast height	"	86
Trailer pin height (h10)	"	9.8
Fork size (W x L x H)	"	3.9 x 42.1 x 1.4
Length of truck body (without fork) (l2)	"	3.9
Turning radius (Wa)	"	80.1
Distance between mast and ground (m1)	"	3.9
Clearance between wheelbase centre and ground (m2)	"	3.7
Axle centre to fork end (x)	"	16.1
ISO suspension dimension		2A to ISO2328
Aisle width (pallet 39.8 x 47.2", clear width 7.9")	"	146.7
Aisle width (pallet 31.5 x 47.2", clear width 7.9")	"	148.4
Lateral fork adjustment (outside forks) min. / max. (b5)	"	7.9 / 37

WHEELS

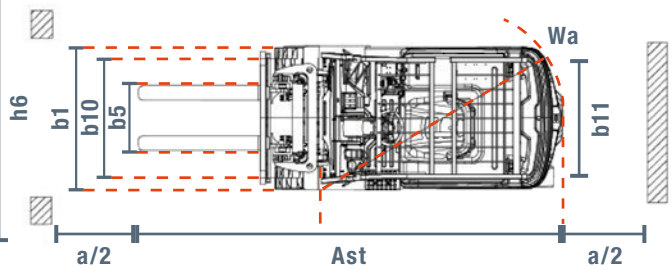
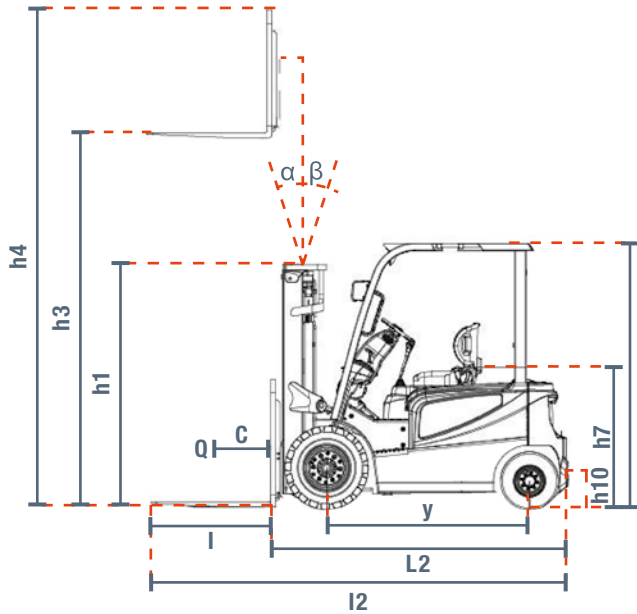
Type	Unit	Value
Tyre type		Pneumatic tyres
Number of tyres (front / rear)		2 / 2
Wheel distance front (b10)	"	36.8
Wheel distance rear (b11)	"	36.2
Tyres (front)		6.50-10-10PR
Tyres (rear)		16X6-8-10PR

INTEGRATED CHARGER

Type	Unit	Value
Charging voltage	V	80
Charging current	A	25

BATTERY

Type	Unit	Value
Rated voltage	V	80
Rated capacity	Ah	150
Weight	lbs	396.8
Battery type		Li-Ion



LOAD CURVE

