	Items	Uint	HNF100-600EL
特性 Features	Power type 动力型式	-	Lithium Battery
	Rated Load 额定载荷	t	10
	Load center 载荷中心距	mm	600
	Wheelbase 轴距	mm	2580
	Weight 自重	kg	13150
车轮底盘Chassis	Tyre Specs.:Front 轮胎规格：前	-	9.00-20-16PR
	TyreSpecs.:Rear 轮胎规格：后	-	9.00-20-16PR
	Tyres Qty,front/rear(X-drive wheels) 车轮数量 前/后(X-驱动轮)	-	4x/2
	Wheel tread: Front 轮距：前	mm	1600
	Wheel tread:Rear 轮距：后	mm	1700
基本尺寸 Dimensions	Mast/carriage tilt angle(front/rear) 门架/货叉架前/后倾角	Degree (°)	6/12
	Height of mast，lowered 门架回缩时高度	mm	2850
	Lift height 标准起升高度	mm	3000
	Height of mast，extended 作业时最大高度	mm	4530
	Height to head guard(height to cab) 护顶架高度(驾驶室高度)	mm	2620
	Overall length(with forks) 总长(含货叉长度)	mm	5235
	Length to fork face 货叉垂直前表面至车辆后端距离	mm	4015
	Overall width 总宽	mm	2180
	Fork dimension 货叉尺寸	mm	1220X175X80
	Fork carriage width 货叉架宽度	mm	2180
	Ground clearance under mast(with load) 门架下最小离地间隙（满载）	mm	250
	Ground dearance at wheelbase center (loaded) 轴距中心最小离地间隙（满载）	mm	270
	Min.Turning radius 最小转弯半径	mm	3800
功能参数 Performance	Travel speed(loaded/unloaded) 运行速度(满载/无载)	km/h	25/27
	Max.lifting speed(loaded/unloaded) 最大起升速度(满载/无载)	mm/s	350/370
	Max. Lowering speed(loaded/unloaded) 最大下降速度(满载/无载)	mm/s	320/300
	Traction 牵引力	kN	45
	Gradeablity(loaded/unloaded) 爬坡度(满载/无载)	%	20/25
	Driving brake 行车制动	-	液压鼓式制动器 Drum brake
	Parking brake 停车制动	-	电磁失电制动器 Electromagnetic brake
电池参数Battery Parameter	Battery type 电池类型		磷酸铁锂 Lithium iron phosphate
	Battery cooling method 电池冷却方式		液冷 liquid cooling
	Battery Rated Stored Energy 电池额定存储能量	kWh	100
	Battery voltage 标称电压	V	309
	Charging cycle 完全充放电循环次数	time	4500
	Theoretical service life 理论使用寿命	yr	8
	Charging time (based on the charging power) 充电时长（根据充电桩功率）	h	1.0-1.2
	Energy consumption 耗电量	kWh/h	12~16
驱动电机 Driving Motor	Motor type 电机类型		永磁同步电机 Permanent magnet synchronous motor
	Motor rated power 电机额定功率	kW	65
	Transmission type 传动方式		电机直驱 Direct Drive Motor
液压系统Hydraulic System	Motor type 电机类型		永磁同步电机 Permanent magnet synchronous motor
	Motor rated power 电机额定功率	kW	2x33
	System pressure 系统压力	MPa	20
	Steering form 转向形式		全液压转向 Fully hydraulic steering
	Steering pressure 转向压力	MPa	10
	Steering method 转向方式		横置式油缸转向 Horizontal cylinder steering

Note：The above data are subject to change without prior notice

Optional attachment



Tire clamp



Pipe Stabiliser



Pulp Bag Clamp



HNF100-600EL

Electric Heavy-Duty Forklift 电动重型叉车

FUJIAN SOUTHCHINA HEAVY MACHINERY MANUFACTURE CO., LTD
www.socma-forklift.com

BATTERY & ENERGY EFFICIENCY

309V

309V vehicle-grade high-voltage lithium platform with lower line loss and less heat generation, cutting comprehensive power consumption by over **20%** vs. ordinary low-voltage electric forklifts

100KWH CATL

100kWh high-capacity LFP battery pack, standard with **CATL** original battery, supporting long-endurance multi-shift high-intensity operations

1.0–1.5H

1.0–1.5 hours ultra-fast charging, compatible with **GB/EU** high-power chargers, with refueling efficiency on par with fuel forklifts

4500 Cycles

4,500 charge-discharge cycle life, with **8-YEAR** theoretical service life, greatly reducing replacement costs over the full life cycle

12~16KWH/H

12–16kWh/h ultra-low operating energy consumption, saving over **70%** energy costs vs. same-tonnage fuel forklifts









POWER & PERFORMANCE

65kW + dual 33kW permanent magnet synchronous power: 65kW direct-drive travel motor + dual 33kW hydraulic motors, with fast response and high efficiency

45kN maximum traction force: delivering strong power for heavy-load start and slope driving, with performance on par with IC engine forklifts

20% (loaded) / 25% (unloaded) gradeability: easily handling factory slopes, loading platforms and other scenarios

25km/h (loaded) / 27km/h (unloaded) travel speed: for higher efficiency in long-distance material transfer

350mm/s (loaded) / 370mm/s (unloaded) lifting speed: for faster stacking and loading cycles

Protection & Safety

IP67 high protection rating for motors, controls and high-voltage components, water and dust proof for harsh environments like heavy rain, waterlogged roads and cold storage

5-layer full-dimensional safety system: HV interlock, insulation monitoring, MSD one-touch service disconnect, OPS seat sensing lock, electronic one-touch parking

Chassis & Maneuverability

3,800mm minimum turning radius, keeping this 10-ton heavy unit agile in narrow aisles and workshop corners

250mm (under mast) / 270mm (wheelbase center) ground clearance under full load, easily passing potholes and speed bumps

6° forward / 12° backward mast tilt, for more stable heavy-load transport and high-level stacking

