

HNF-250EE 增程式电动叉车

HNF-250EE Extended Range Electric Forklift

创新点 Innovations

HNF-250EE 增程式电动重型叉车一改柴油作为发动机主要动力来源的传统型式，采用锂电池作为主、小功率低排放发动机为辅的动力形式。“低排放、低污染、低噪声、低能耗”，实现国家节能减排的环保要求。

HNF-250EE Extended Range Electric Forklift Trucks have changed the traditional type of diesel engine as the main source of power for the engine. Lithium batteries are used as the main source of power and small duty diesel engine as additional power. “low emissions, low pollution, low noise, low energy consumption” to achieve environmental protection requirements for national energy conservation and emission reduction.



主要用途 Main application

HNF-250EE 增程式电动重型叉车承载能力25吨，能够很好的替代传统柴油重型叉车，主要用在港口、车站、机场、货场、工厂车间、仓库、流通中心、配送中心、船舱、车厢和集装箱内进行托盘货物的装卸、搬运作业，换装不同的工作装置还可进行堆高、翻转、串杆钢圈等工作强度大的场合进行装卸、堆垛和短途运输。

HNF-250EE Extended Range Electric Forklift Trucks carrying capacity is 25tons, can be a good alternative generation of conventional diesel heavy-duty trucks, mainly used to pallets and containers loading& unloading, transporing, etc. in ports, railway stations, airports, yard, factory workshops, warehouses, distribution centers, vessels. Different working devices such as stacking, overturning, and roll prong can be used for loading, unloading, stacking and short-distance transportation in situations.

产品特点 Features

- 1、采用海迈电机、匹配宁德时代锂电池，节能环保，动力系统得到最大优化，满足高效作业要求。
- 2、通过行走制动能量回收方式，降低整机能耗。
- 3、整机防护等级IP67，电机八年质保，电池完全充放电次数4000次以上，具备高可靠性、使用寿命长。
- 4、液压系统
 - a、采用全液压负荷传感转向器，高低速转向性能一致，操纵轻便灵活、直线行驶度好；
 - b、采用内啮合齿轮泵、双泵合流工作液压系统，优先阀转向优先、高效节能；
 - c、液压系统加装回油散热器和背压防护装置，确保整机热平衡。
- 5、采用长轴距、箱形双梁车架，可提供良好的刚性和强度，保证叉车底盘的高可靠性。
- 6、门架举升高度3.5米以上，高型、低型、二级、三级、自由提升门架可供选择。
 - a.门架下降采用限速阀和压力选择阀，电机熄火时可门架由高处下降到地面；
 - b.内外门架采用滚轮配合、动滑轮省力结构，门架使用寿命长，可靠性高。
- 7、采用快换式货架，液压调距货叉，更换、调整快捷。
- 8、卡斯卡特高强度货叉，强度高，更耐磨，可成倍提高寿命。
- 9、采用重型叉车驱动桥，二级行星减速增扭，负荷能力大，使用寿命长。
- 10、后桥采用横置液压缸式转向机构，传动角可达70.5°，提高行驶时的平顺性。
- 11、选用重型叉车轮胎，后转向桥可绕中心摆动，具有良好的牵引性能和通过性能。
- 12、采用国内优质电器元件，电线采用阻燃材料，工作可靠耐用。
- 13、电子监控系统：多功能液晶监控器，全面监控叉车的工作状态（油压、气压、水温等）。
- 14、整机造型大气、优美、流畅；豪华宽视野驾驶室，配带空调、密封性好，便于驾驶员四周观察。

1. Adopting Haimai motor and matching lithium battery in CATL, energy saving and environmental protection, the power system is optimized to meet the requirements of efficient operation.
2. Reduce energy consumption of the whole machine by means of walking braking energy recovery.
3. the whole machine protection grade IP67, motor has eight years warranty, the battery can be fully charged and discharged for more than 4,000 times, with high reliability and long service life.
4. Hydraulic system
 - a, using full hydraulic load sensing steering gear, high and low speed steering performance is consistent, light and flexible operation, straight line driving;
 - b, using internal gear pump, double pump confluence working hydraulic system, priority valve steering, high efficiency and energy saving;
 - c. The hydraulic system is equipped with oil return radiator and back pressure protection device to ensure the heat balance of the whole machine.
- 5, the use of long wheelbase, box-shaped double beam frame, can provide good rigidity and strength, to ensure the high reliability of the forklift chassis.
- 6, the mast standard lifting height is 3.5 meters, high mast, low type, duplex, triplex, free lift mast may be available.
 - A. mast lower using the pressure selector valve and the speed limited valve, when the motor is turned off, the mast can be lowered from the height to the ground;
 - B. The inner and outer mast adopts the roller matching and the movable pulley structure to save the power, and the mast has a long service life and high reliability.
- 7, using quick-change carriage, hydraulic fork positioner, can be quick in replacement and adjustment.
- 8, Cascade fork, high strength, more wear-resistant, can double the life.
- 9, the use of heavy forklift drive axle, two-stage planetary deceleration and twisting, big load capacity, long service life.
10. The rear axle adopts a horizontal hydraulic cylinder type steering mechanism, and the transmission angle can reach 70.5°, which improves the drive smoothness.
11. Select heavy forklift tires, and the rear steering axle can swing around the center, with good traction performance and passing performance.
- 12, Using domestic high-quality electrical components, the wires are made of anti-flame retardant materials, and the work is reliable and durable.
- 13, electronic monitoring system: multi-function LCD monitor, comprehensive monitoring of the working state of the forklift (oil pressure, air pressure, water temperature, etc.).
- 14, the whole machine is shaped to be atmospheric, beautiful and smooth; the luxurious wide-view cab is equipped with air conditioning and good sealing, which is convenient for the driver to observe around.

性能参数 Performance parameter

性能 Performance		参数 Parameter
基本参数 Basic parameters	额定起重量 Rated Lifting Capacity	25000kg
	载荷中心距 Load Center	1250mm
	整机操作重量 Operation Weight	35000kg
	标准起升高度 Lifting Height	3500mm
	标准前/后门架倾角 Tilt Angle (F/R)	6° / 12°
传动系统 Transmission	变速箱档位 Transmission gears	前进2/后退1 Front 2/Back 1
	运行速度 (负载/空载) Driving speed (Load / Unload)	25 /28 km/h
	爬坡度 Gradelibility	20%
	额定牵引力 Rated Traction	160kN
行走电机参数 Driving motor parameters	电机类型 Motor Type	永磁同步电机 Permanent magnet synchronous motor
	电机额定功率 Motor rated power	100kW
	最高转速 Rotation Speed	2700rpm
主泵电机参数	电机类型 Motor Type	永磁同步电机 Permanent magnet synchronous motor
	电机额定功率 Motor rated power	90kW
	最高转速 Rotation Speed	2700rpm
电池参数 Battery parameter	电池类型 Type of battery	磷酸铁锂 Lithium iron phosphate
	电池额定存储能量	109.3kWh
	电池额定容量 Battery rated capacity	202Ah
	标称电压 Voltage	541V
	完全充电循环次数 Full charge and discharge cycles	4000 C
	理论使用寿命 Service Lifetime	>8 Year
	充电时长 Charging Time	1.0-1.5
液压系统 Hydraulic system	压力 Presure	20 MPa
	流量 Flow	400 L/min
	最大提升速度 (负载/空载) Max.lifting speed (load/unload)	260/270 mm/s
	最大下降速度 (负载/空载) Max.lowering speed (load/unload)	315/260 mm/s
转向系统 Steering system	压力 Presure	14 MPa
	转向方式 Steering mode	横置式油缸转向 Tap-type cylinder steering
	转向角 Steering angle	35°
制动方式 Braking method	行车制动 Service brake	盘式制动 Disc Brake
	停车制动 Parking brake	钳式弹簧制动 Clamp spring brake
主要尺寸 Dimensions	整机高度 Overall Height	3510mm
	整机宽度 Overall Width	3050mm
	整机长度 Overall Length	9190mm
	轴距 Axle Distance	4400mm
	轮距 (前/后) Wheel Distance(Front/Back)	2200/2390mm
	货叉尺寸 Fork Dimensions	2440 × 300 × 110mm
	离地间隙 Ground Clearance	300mm
	转弯半径 (外侧) Turning Radius(Outside)	≥6700mm
轮胎 Tyre	车轮数 Numbers(Frnt/Rear)	4/2
	轮胎尺寸 Tyre Specifications	14.00-24-28PR
发动机参数 Engine	型号 Model No.	YCF3050-T420
	功率 Rated Power	36.8/2200 (kw/rpm)
	排放标准 Emission Standard	Stage IV
发电机	发电功率 Rated Power	35kW

福建华南重机械制造有限公司

地址: 福建省泉州台商投资区 邮编: 362122

国内销售: 0595-27393198 传真: 0595-27393200

邮箱: office@socmachinery.com

国际销售: 0592-5650685 传真: 0592-5650876

邮箱: overseas@socmachinery.com 网址: www.socma.net

FUJIAN SOUTHCHINA HEAVY MACHINERY MANUFACTURE CO.,LTD.

Address: Fujian Quanzhou Taiwanese Investment Area Post code: 362122

International Sales Department

Add: rm. 1902.bldg.17, Donggangnan rd., Xiamen area, China (Fujian Pilot Free Trade Zone. Zip Code: 361000)

Email: overseas@socmachinery.com

Tel: 0592-5650685 Fax: 0592-5650876 Website: www.socmachinery.com