



Choose SOCMA **E** Choose Safety



Address: Fujian Quanzhou Taiwanese Investment Area

International Sales Tel: 0086-592-5650603

Domestic Sales Tel: 0086-595-27393198

Email: overseas@socmachinery.com

Website: <http://www.socmachinery.com>

 @ SOCMA Material Handling

 @ SOCMA GROUP



Ultra-low energy consumption

Ultra-low noise

Super strong control

**LEADER IN THE GLOBAL 40-50 TON
ELECTRIC HEAVY-DUTY FORKLIFT**



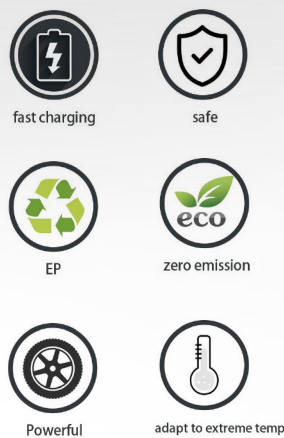
SOCMA HNF-450/500EL electric counterbalance forklift

**SOCMA POWER
LIFT YOUR BUSINESS**

FUJIAN SOUTHCHINA HEAVY MACHINERY MANUFACTURE CO., LTD

 <http://www.socmachinery.com>

HNF40-50 TON ELECTRIC HEAVY-DUTY FORKLIFT



INNOVATIVE DESIGN, USER-ORIENTED

◆ The HNF500-EL human-machine interface has been upgraded with a completely new design to provide users with a more visually appealing, simple, and easy-to-use interface and experience.

The new intelligent fault diagnosis and prediction system can inform the driver of the necessary emergency measures in real time to ensure operational safety. By providing fault codes, it supports remote guidance for drivers or maintenance personnel to drive and maintain the vehicle properly, reducing maintenance costs.



POWERFUL PERFORMANCE, THE GREEN CHOICE

ULTRA-LOW ENERGY CONSUMPTION

- ◆ Hydraulic load-sensitive system: automatically adjusts oil pump displacement according to the load, achieving high-precision flow control and significantly saving energy.
- ◆ Dynamic power matching control system: automatically identifies dynamic power based on load changes, adjusts motor speed, and adapts power output to changes in load conditions, effectively reducing energy loss.
- ◆ Electric energy recovery system: motor directly drives the bridge, recovers energy during braking, integrates thermal management system and high-pressure system, effectively reducing energy consumption of electric products and extending operating hours.

SUPERB CONTROL

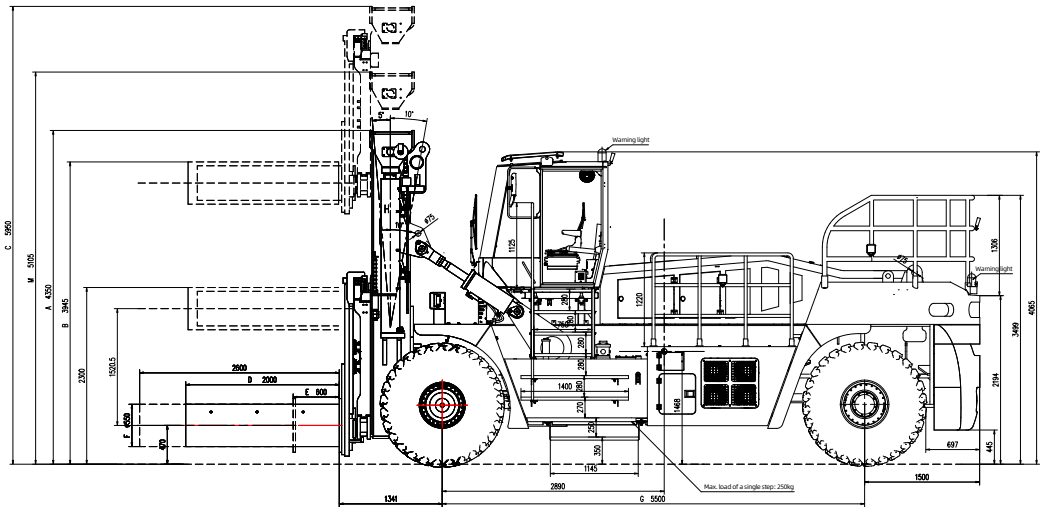
- ◆ The centralized pilot-operated handle has excellent micro-motion performance, with all actions using proportional control, providing a seamless man-machine control experience;
- ◆ The machine has multi-action linkage function with fast operation speed and high efficiency.

ULTRA-LOW NOISE

- ◆ Permanent magnet synchronous motor, Kessler wet-type brake bridge, good braking performance, safe and reliable, low maintenance cost.
- ◆ Low driving noise greatly reduces interference with the driver, relieving driving fatigue.

INTELLIGENT SAFETY

- ◆ Standard 360 intelligent man-machine safety technology, intelligent auxiliary safety technology, using AI image recognition technology to detect pedestrians in the driving path, issuing warnings in different areas, prompting drivers and pedestrians to actively avoid each other, preventing safety accidents, and achieving a high level of intelligence.



TECHNICAL PARAMETER

	Items	Unit	HNF-450EL/500EL
Manufacturer			SOCMA
Feature	Powered by		Lithium Battery
	Rated Load	(kg)	45000/50000
	Load Center	(mm)	1250
	Wheelbase	(mm)	5500
Weight	Operating weight	(kg)	57000/60000
Wheels,Chassis	Tire Specification: Front		18.00-25-40PR
	Tire Specification: Rear		18.00-25-40PR
	Wheels,number front/rear (x=drive wheel)		4\2
	track width, front	(mm)	3030
	track width, rear	(mm)	2786
Size	Mast tilt forward/backward	(°)	5\10
	Lowered mast height	(mm)	4715
	Lift height	(mm)	4000
	Free-lift height	(mm)	-
	Maximum height during operation	(mm)	6715
	Overhead guard height(cab height)	(mm)	3900
	Total Length(including fork length)	(mm)	10400
	Length to fork face	(mm)	8350
	Overall width	(mm)	4250
	Fork dimensions	(mm)	2440X300X135
	Fork carriage width	(mm)	3400
	Ground clearance,loaded,under mast	(mm)	300
	Ground clearance,loaded,centre of wheelbase	(mm)	460
	Minimum turning radius	(mm)	8000
Parameter	Travel speed, loaded/unloaded	km/h	20/20
	Maximum lift speed, loaded/unloaded	mm/s	200/220
	Maximum lowering speed, loaded/unloaded	mm/s	300/260
	Traction power	kN	100
	Gradeability,loaded	%	15
	Service brake		Wet discs
	Parking brake		Clamp disc spring brake
Battery Parameter	Battery type		Lithium iron phosphate
	Battery cooling method		liquid cooling
	Battery Rated Stored Energy	kWh	422
	Battery rated capacity	Ah	684
	Battery voltage	V	618
	Charging cycle	times	2800
	Theoretical service life	year	8
	Charging time (GBT 240kW DC Charger)	h	1.5-1.6
Driving Motor	Energy consumption	kWh/h	45-55
	Motor type		Permanent magnet synchronous motor
	Motor rated power	kW	157
Hydraulic System	Transmission type		Direct Drive Motor
	Motor type		Permanent magnet synchronous motor
	Motor rated power	kW	120
	System pressure	MPa	20
	Steering form		Fully hydraulic steering
	Steering pressure	MPa	14
	Steering method		Horizontal cylinder steering
Transmission	Number of speeds (Front/Rear)		-
Other Details	Operation mode		Multifunctional
	Cab type		Sit down
	AC		Heating&Cooling
	Low voltage battery voltage	V	24
	Dashboard		CAN communication
	Reverse image		YES
	LED headlights and work lights		◆ YES
	laser projection (optional)	Side	3
	Charger(Dual Plug)	kW	240
	on-board tools (including fire extinguisher)		With attached list

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