INTERTRAC

Material Handling 900 818 978

SOCMA

Crane forklift

HNFC120-450

www.carretillasintertrac.com

SOCMA

COMPANY PROFILE

Fujian Southchina Heavy Machinery Manufacture Co. Ltd. is dedicating the research and development of material handling equipment and construction machinery. The current products ranges cover:

1.material handling equipment including heavy duty forklift, crane forklift, rough terrain forklift, telescopic forklift, reach stacker .

2.construction machinery including wheel excavator, wheel loader.

3.Furnace-tending vehicle&Furnace-charging vehicle, which is customized for using in the metal smelting industry.

- The mission of SOCMA

Dedicating to provide the most rugged and durable, high cost-effectiveness, high return rate material handling equipment, construction machinery products and service to our client

- The vision of SOCMA

Let SOCMA become the respectable international brand from China

- The core value of SOCMA

Customer oriented, staff foremost, insist on self criticism and Introspection, SOCMA is growing up always

OUR SPECIALITY PROMOTE YOUR CAREER

突破 BREAKTHROUGH

创新 INNOVATION

成长 GROWTH

Crane Forklift Product Features:

reliable brake and safe operation.

HNFC120-450 crane forklift is a kind of compound innovation products which is developed by SOCMA. The rated load is 12 ton, Max. lifting Moment of folding crane is 45 ton.m, The folding crane can be rotated at 360 degree.

1. . Engi

(1)Adopt Cummins or Yuchai turbocharger diesel engine with strong power, energy-saving and environmental friendly, Acan satisfy high efficiency operation requirements.
(2) The layout of cooling radiator system is at right side, hydraulic motor controlling with hydraulic fan and hydraulic oil fan. This can ensure the heat balance of whole machine.

2.. Transmissi

(1)Adopt Zhongnan transmission hydraulic gear box, CVT, big joint working condition traction, Reliable double variables system.
(2)Neutral start-up device is installed on transmission controlling valve, this makes start-up of whole machine more safer.

3.. Driving Axie

(1) Front axle adopts heavy duty forklift driving axle, spiral bevel gear and Wheel rim planetary gear deceleration and increasing torsion. It is big load capacity and long life span. Six heavy duty caliper disc brake, postpositional gas storage can, reliable brake and safe operation.

(2) Rear axle adopt horizontal hydraulic cylinder type power steering structure, tight steering structure and this can reduce the steering resistance and damage of tyres, can improve the ride during the drive.

4. Hydraulic system

(1) Full Hydraulic load sensor steering system, small rear axle turning radius and more flexible steering.
(2) Adopt double pump interflow working hydraulic system and it can lower oil and energy consumption.
(3)Two sets of independent hydraulic system support two different working devices , shift valve control can separate the flow or combine the flow, trigger can stretch out and draw back for free and it can be adapted to different working conditions. (4) One handle can realize three sets working movement of forklift due to the pilot control, it can reduce hydraulic controlling pipe and can enlarge the space of cab.
(5) Rotating part of folding crane is controlled by double rotary motor, which makes the rotation more smooth and improve the brake efficiency of motor.
(6) Hydraulic system install the oil-return radiator and back press protection device to ensure heat balance of whole machine.

5. Mast

(1)Forklift Attachments are installed at front mast, folding crane is installed at the back of vehicle, folding crane is used for hanging the cargos and it has folding and telescopic function, which is convenient for travelling.

(2)Adopt Integrated frame ,five out-triggers are arranged at the front and rear of whole vehicle frame to ensure balance of whole machine.

(3)Falling of mast adopt speed limit valve and press selection valve to reduce the compact of hydraulic system, it can decline the mast from top to the group when the engine flameout.

(4) Inner and outside mast adopt rolling wheel match, movement wheel force saving structure and the mask has long life and high reliability.

(5) Cab is arranged at left side, the top height of crane after folding is not higher than mast forklift. It can lower the overall height of the vehicle, more stable and better traffic performance.

(6)High type, low type, standard mast, various attachments can be customized according to customer's requirements.

6.Fork carrier

(1) Adopt quick-changing cargo loader, more shortcut.

(2)hydraulic distance-adjust cargo fork and it is convenient for adjustment.

(3)Cascade high strengthened fork, higher strength, more durable and higher life span.

7. Tyres

Choose the bulk type depth heavy duty forklift tyre, rear steering axle can swing around the centre and has perfect traction and traffic performance.

8. Cab

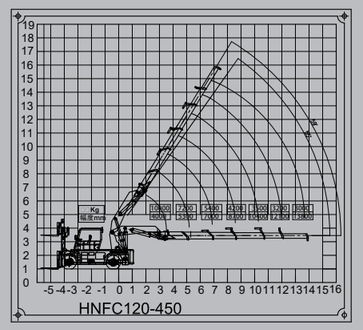
(1) Adopt adjustable steering, aviation seat, more comfortable, automatic operation and flexible.

(2)Adopt domestic high quality electronic components, maintenance-free battery, the wire adopts burning-resistance material, more durable. The optional parts include: fan, radio, cold and heat A/C, reversing displaying, Weighing machine.

(3) Be with folding crane remote controller and wireless reception module. Folding Crane "Rotation, Folding, lifting, Expansion and Contracting" are controlled by remote wireless technology. The Driver can operate it at any position on the crane forklift. It is safe and reliable.

(4)Using the torque limiter, it would automatic alarm when the operation of the arm beyond the working range , and automatic restriction of dangerous action, more safe operation.

OUR QUALITY IS IN THE HABIT



Lifting operation direction diagram

A区：100%。
Area A: Can follow 100% lifting performance curve data to operate

B区：40%。
Area B: Can follow 40% lifting performance curve data to operate

C区：35%。
Area C: can follow 35% lifting performance curve data to operate

D区：40%。
Area D: can follow 40% lifting performance curve data to operate

E区：70%。
Area E: can follow 70% lifting performance curve data to operate

HNFC120-450

Category	Items	Unit	HNFC120−450
Dimension	Overall Length	mm	7600
	Overall width	mm	2250
	Overall height	mm	3188
	Standard lifting height	mm	3000
	Load Center	mm	600
	Wheel Base	mm	3250
	Front wheel Tread	mm	1650
	Rear Wheel Tread	mm	1970
Weight Parameter	Weight	kg	22000
	Rated Load	kg	12000
Driving Parameter	Rated Power/Rotational Speed	kW/r/min	110/2200
	Max. Travelling speed(with / without load)	km/h	23/26
	Min. Outside Turning Radius	mm	6500
	Mast Ground Clearance	mm	225
	Out−trigger Ground Clearance	mm	320
	Wheel quantity Front/Rear	/	4/2
	Front Tyre Size	/	10.00−20−18PR

Driving Parameter	Rear Tyre Size		/	10.00−20−18PR
	Gradeablity (With Load/without load)		%	15
	Max. Hook Traction under full load		kN	70
Lifting operation parameter	Rated Lifting Capacity(Crane)		kg	12000
	Max. Rated lifting torque		Kg.m	45000
	Out−trigger distance	Horizontal out−trigger	mm	1580
		Vertical out−trigger	mm	4320
	Crane Length	Basic Crane	mm	5550
		Longest Crane	mm	14830
	Max. Lifting height	Basic boom	mm	7000
		Crane extended	mm	15500
	Boom frame min./max. Upward angle		(°)	10/59
	Mast Front/Rear tilt angle		(°)	6/12
Working speed	Max .Swinging speed (unloaded/loaded)		r/min	1/1
	Max. Lifting speed (loaded/unloaded)		mm/s	250/260
	Max decline speed (loaded/unloaded)		mm/s	400/250
	Angle time	lift upward(unloaded/loaded)	s	40/50
		lift downward(unloaded/loaded)	s	40/50

HNFC160-1000 Parameter

POS		ITEM DESCRIPTION	UNIT	HNFC160-1000
Characteristics	1.1	Capacity	Q(t)	16
	1.2	Load center	c(mm)	900
	1.4	Wheel base	y(mm)	3900
Weight	2.1	Truck Weight	kg	28300
Chassis	3.1	Tyre Specs.: Front		12.00x24/18PR
	3.2	Tyre Specs.: Rear		12.00x20/18PR
	3.3	Tyres Qty, front/rear (X-drive wheels)		4×/2
	3.4	Wheel tread: Front	b10(mm)	2060
	3.5	Wheel tread: Rear	b11(mm)	2330
Dimension	4.1	Mast/carriage tilt angle(front/rear)	°	6°/12°
	4.2	Mast height(fork lowering)	mm	3625
	4.3	Max. lifting height	h3(mm)	3500
	4.4	Overall height(fork raised)	h4(mm)	5375
	4.5	(1800mm) Overall length (with 1800mm forks)	l1(mm)	8370
	4.6	Fork front vertical surface to the rear end of the vehicle	l2(mm)	6570
	4.7	Overall Width	b1/b2(mm)	2750
	4.8	Fork dimension	s/e/l(mm)	110x220x1800
	4.9	Fork carriage width	b3(mm)	2750
	4.10	Mast Min ground clearance (with load)	m1(mm)	265
	4.11	Outrigger min ground clearance(with load)	m2(mm)	450
	4.12	Min.Turning radius	Wa(mm)	7300
Performance	5.1	Travel speed (with load/without load)	km/h	23/26
	5.2	Max.lifting speed	m/s	270/300

VALENCIA
COMARQUES DEL PAIS VALENCIÁ, 93
46930 QUART DE POBLET

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08130 SANTA PERPETUA

		(with load/without load)		
	5.3	Gradeablity (with load/without load)	%	15/20
	5.4	Driving brake		clamp disco brake
Engine	7.1	Engine brand/model		YC6J175-T302
	7.2	Power	KW	129
	7.3		rpm	2200
	7.4	air cylinder	cm^3	6
Other	8.1	Driving control method		torque converter
Jib	9.1	Weight	Kg	17700
	9.2	Control		Remote control
	9.3	Outrigger Control		Manual landing valve control
	9.4	main Outrigger Longitudinal span	mm	6276
	9.5	Distance between extending rear outrigger to center of swing platform	mm	1538
	9.6	Distance between the center of additional extended outrigger at two sides	mm	4178
	9.7	Max. lifting height	mm	17300
	9.8	Additional leg extension/retraction speed (idle speed)	S	31/18
	9.9	Main leg extension/retraction speed (idle speed)	S	45/24
	9.10	Rear leg extension/retraction speed (idle speed)	S	16/8
	9.11	Additional leg support / retraction speed (idle speed)	S	216/112
	9.12	Main leg support / retraction speed (idle speed)	S	237/128
	9.13	Rear leg support / retraction speed (idle speed)	S	38/20
	9.14	Hook lifting/lowering (low speed)	S	W/Hook Fixed
	9.15	Hook lifting/lowering (high speed)	S	W/Hook Fixed

	9.16	Boom lifting/lowering (low speed)	S	87/45
	9.17	Boom lifting/lowering (high speed)	S	63/37
	9.18	Turn left/turn right (low speed)	S	132/132
	9.19	Turn left/turn right (high speed)	S	108/108
	9.20	Arm extension/retraction (low speed)	S	235/126
	9.21	Arm extension /retraction (high speed)	S	278/145

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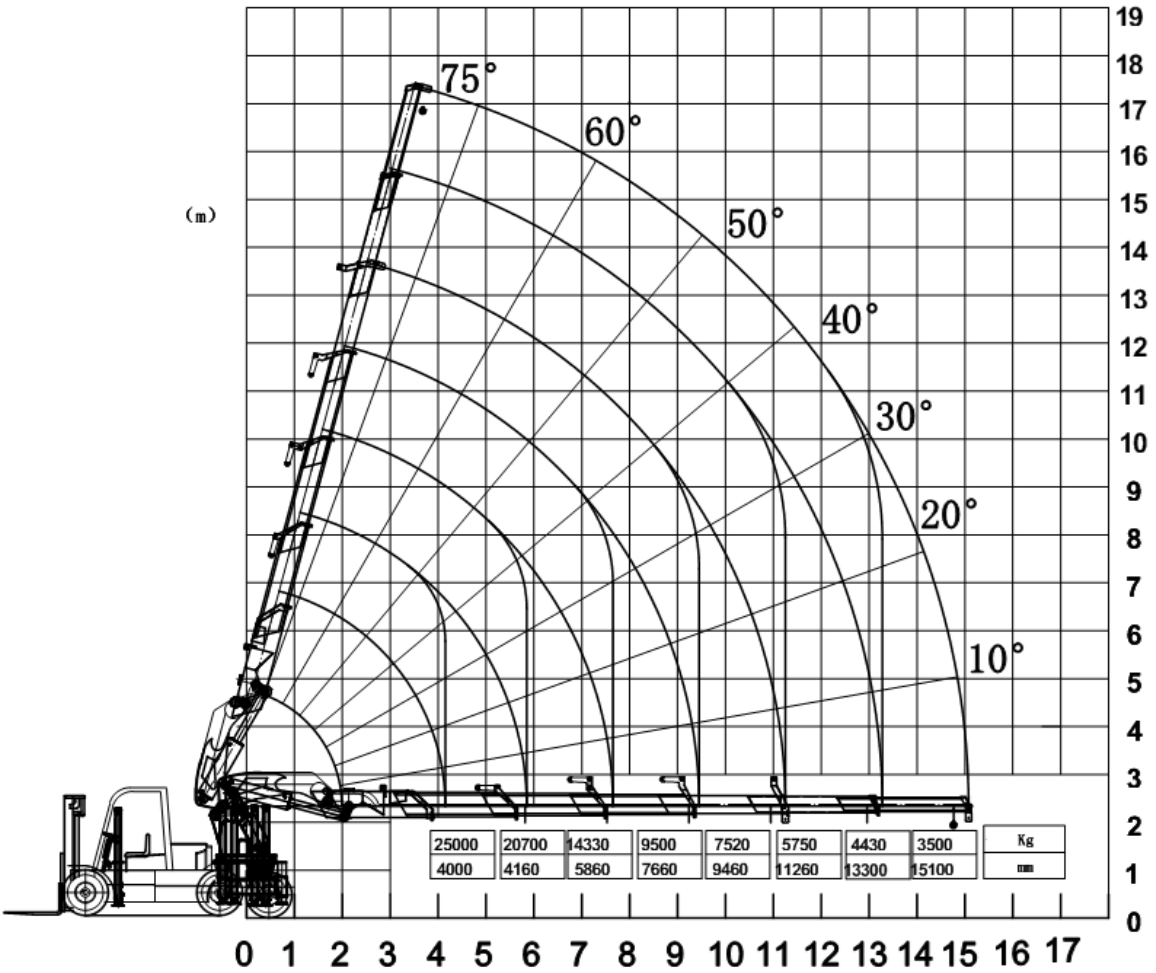
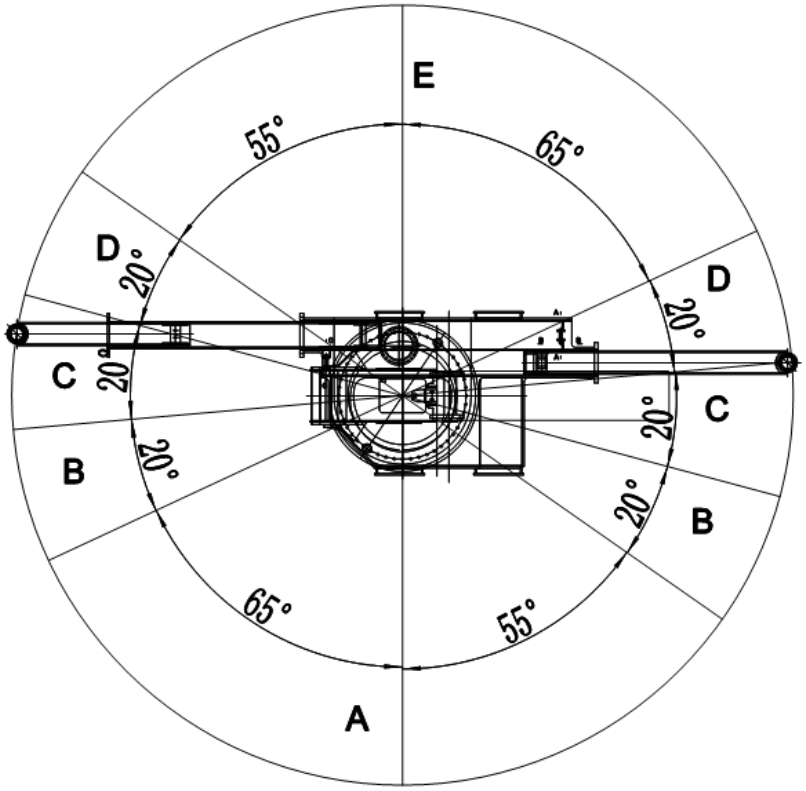


1. Hoisting operation orientation diagram



A ☒：100 Part A: It can be operated according to 100 of the value on the lifting performance curve board.
B ☒：90 Part B: It can be operated according to 90 of the value on the lifting performance curve board.
C ☒：80 Part C: It can be operated according to 80 of the value on the lifting performance curve board.
D ☒：70 Part D: It can be operated according to 70 of the value on the lifting performance curve board.
E ☒：60 Part E: It can be operated according to the 60 of the value on the lifting performance curve board.

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