



SIDE FORLIFT TRUCK

2TON - 10TON



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SOCMA POWER LIFT YOUR BUSINESS

FUJIAN SOUTHCHINA HEAVY MACHINERY MANUFACTURE CO., LTD

<http://www.socmachinery.com>

2TON -10TON SIDE FORLIFT TRUCK



THE SIDE FORKLIFT TRUCK IS ESPECIALLY SUITABLE FOR LONG OBJECTS LOADING & UN-LOADING, STACKING, TRANSPORTING.....

Fujian SOCMA forklift factory, assimilating the advanced product technology of other forklift manufacturer's in home and abroad, successfully developed the first Chinese-made side forklift in 1976. Since the appraisal was approved by the Forestry Ministry, the plant has produced the products with a capacity of several hundred per year.



SIDE FORLIFT SPECIALTIES

SOCMA Brand side forklift truck is a new type of carriage scraper. It differs from the counter-balanced one mainly in that the forks are mounted on the side of the body. Besides lifting and tilting, the forks can also traverse to the right side of the truck frame, and retract back along the side of the well in the middle section of the truck. Long cargoes can be loaded by the forks on/from the truck deck, as well as transported in limited spaces. As the long cargoes are piled lengthwise along, the truck's platform, the width of the passageway required by the forklift can be reduced remarkably. Thereby, the side forklift truck is particularly suitable for handling timber-section steels, line poles, cement tubes, plastic pipes and other kind of bulky, over length cargoes. It finds wide applications in the forestry department, railway stations, oil fields, harbours, warehouses, factories, construction sites, etc.



DRIVING AXLE

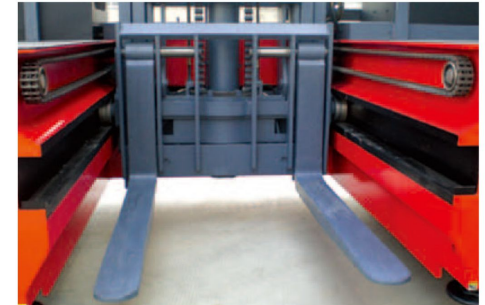
DRIVING SYSTEM

- ◆ Power transmitted through clutch gearbox and chain drive to driving axle construction compact and reliable maintenance convenient



MAST AND OUTFEED STRUCTURE

- ◆ Mast traverse mechanism actuated by chain drive function steady and reliable



TURNING STRUCTURE

- ◆ Steering system equipped with horizontal oil cylinder for easy and agile steering steering axle with sufficient stiffness and strength



CAB

- ◆ Cab with novel construction manipulation comfortably foldable view clear ventilation good



TECHNICAL PARAMETER

Transmission	Mechanical				
Model	HNS20	HNS30	HNS40	HNS50	HNS60
Code	M3C	M4C	M4C	M5A	M6A
Max.lift capacity/CG of cargo (kg/mm)	2000	3000/600	4000/600	5000/600	6000/600
Max. lift height(laden)(mm)	3500	3500	3000	3550	3550
Max. lift speed (laden)(m/s)	≥0.3	≥0.35	≥0.35	≥0.3	≥0.25
Max.travelingspeed (laden)(km/h)	20	24.8	24.8	22	22
Fork tilt angle(front/rear)	5° /3°	5/3	5/3	5/3	5/3
Minimum turningradius (mm)	4300	4300	4300	4350	4350
Gradeability (laden)(%)	20%	≥22	≥20	≥20	≥18
Minimum ground clearance (laden)(mm)	170	170	170	180	180
Platform height(mm)	920	920	920	990	990
Platform width(mm)	1200	1200	1200	1220	1220
Fork length (mm)	1200	1200	1200	1200	1200
Max.fork spacing(m)	940	940	940	1012	1012
Axle spacing (mm)	2460	2460	2460	2600	2600
Wheel spacing (mm)	1600	1600	1600	1715	1715
Tire model (Before/after only)	8.25-15 2/2	8.25-15 2/2	8.25-15 2/2	9.00-16 2/2	9.00-16 2/2
Overall dimension(LxWxH)(mm)	4420x2035x2700	4420x2035x2700	4420x2035x2700	4511x2065x2800	4511x2065x2800
Weight unladen (kg)	5200	5300	5500	7500	8000
Engine Model	Mitsubishi S45	JD4G5	JD4G5	R4105G22	R4105G22
Norm power (Kwhpm)	35.3/2250	48/2300	48/2300	58.8/2400	58.8/2400
Max.torque/speed (N.m/rpm)	177	223/1600	223/1600	270/1680	270/1680

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

TECHNICAL PARAMETER

Transmission	Hydraulical					
Model	HNS30C	HNS40C	HNS50A	HNS60A	HNS80	HNS100
Code	M3D	M4D	M5D	M6D	M8	M10
Max.lift capacity/CG of cargo (kg/mm)	3000/600	4000/600	5000/600	6000/600	8000/600	10000/760
Max. lift height(laden)(mm)	3500	3000	3550	3550	3600	3600
Max. lift speed (laden)(m/s)	≥0.3	≥0.3	≥0.3	≥0.3	≥0.3	≥0.25
Max.travelingspeed (laden)(km/h)	20	20	25.5	25.5	26	24
Fork tilt angle(front/rear)	5/3	5/3	5/3	5/3	5/3	5/3
Minimum turningradius (mm)	4300	4300	4550	4450	4800	5800
Gradeability (laden)(%)	≥20	≥20	≥20	≥20	≥20	≥20
Minimum ground clearance (laden)(mm)	170	170	180	180	180	220
Platform height(mm)	920	920	990	990	990	1340
Platform width(mm)	1200	1200	1220	1220	1405	1760
Fork length (mm)	1200	1200	1200	1200	1350	1650
Max.fork spacing(m)	940	940	1012	1012	1167	1310
Axle spacing (mm)	2460	2460	2700	2700	3050	3700
Wheel spacing (mm)	1600	1600	1715	1715	1886	2200/2110
Tire model (Before/after only)	8.25-15 2/2	8.25-15 2/2	9.00-16 2/2	9.00-16 2/2	9.00-16 2/4	12.00-20 2/4
Overall dimension(LxWxH)(mm)	4420x2035x2700	4420x2035x2700	4712x2065x2800	4712x2065x2800	5300x2200x3070	6200x2600x3450
Weight unladen (kg)	5300	6000	8300	8300	12000	15000
Engine Model	495BPG	495BPG	R4105G22	R4105G22	CY6102BG-E2	LR6105
Norm power (Kwhpm)	42/2650	42/2650	58.8/2400	58.8/2400	81/2500	77.2/2200
Max.torque/speed (N.m/rpm)	174/1900	174/1900	270/1680	270/1680	353/1500	372/1400

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ELECTRIC SIDE FORKLIFT TRUCK

SOCMA type HNS 2-3 tons series electric sideforklift is the development of new products,developed on a 3 ton diesel forklift our sideof the mature.

The forklift use double double control full ACUSA Curtiss electric control system, the domestic high-quality motor and 80V/700Ah large capacity battery, automatic liquid fling device is equipped with a battery; hydraulic gear pump separate motor drives, power utilization rate is high, no peak voltage, low system noise, and



greatly improves the vehicle's reliability and service life of the machine; fast acceleration, climbing ability, long continuous working time, low noise, good passing ability, high mobility, using warranty, repair convenience, no pollution etc. Widely used in petroleum, chemical, metallurgy, aluminum, steel structure, new building materials and other industries airtight workshop or warehouse loading and unloading, stacking and transport.

ELECTRIC SIDE FORKLIFT TECHNOLOGY PARAMETERS

Model	HNS20EL	HNS30EL
Carrying capacity (load centre 0.6m)	2000	3000
Max. lift height (laden)/(mm)	3500	3500
Fork free lift height (mm)	300	300
Max. lift speed (laden)(m/s)	>0.25	>0.25
Max. travelingspeed (laden)(km/h)	15	15
Fork tilt angle (front/rear)	5/3	5/3
Minimum turning radius (mm)	4300	4300
Gradeability (laden)(%)	>15	>15
Minimum ground clearance (laden)(mm)	170	170
Overall dimension length (mm)	4450	4450
Overall dimension width (mm)	2030	2030
Fork in the lowest position (mm)	2700	2700
Fork in the lowest position(mm)	4660	4660
Axle spacing (mm)	2460	2460
Truck width (mm)	1600	1600
Platform height (laden)(mm)	920	920
Platform width (mm)	1150	1150
Fork length (mm)	1150	1150
Max.fork spacing (mm)	940	940
Tyres size(R)	8.25-15-14PR	8.25-15-14PR
Weight (unladen) (kg)	6800	6800
Volts AH battery (v/ah)	80/550	80/700
Traction motor (kw)	16.6	16.6
Pump motor (kw)	13.5	13.5
Control system	双电双控全交流(配美国科蒂斯电控) A-Impulse(CURTIS)	双电双控全交流(配美国科蒂斯电控) A-Impulse(CURTIS)

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