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福建华南重工机械制造有限公司
FUJIAN SOUTHCHINA HEAVY MACHINERY MANUFACTURE CO., LTD.



公司简介 COMPANY PROFILE

福建华南重工机械制造有限公司成立于2010年。华南重工致力于物流搬运机械和工程机械的研发和生产。

目前产品范围包括：重型叉车、越野叉车、伸缩臂叉车，正面吊等物流搬运机械，挖掘机，装载机等工程机械，以及定制应用于金属铝冶炼行业的扒渣车。

Fujian Southchina Heavy Machinery Manufacture Co. Ltd. was found in 2010, who 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, rough terrain forklift, telescopic forklift, reach stacker .
2. construction machinery including wheel excavator, wheel loader.
3. Slagging truck, which is customized for using in the metal smelting industry.

※ 华南重工的使命

致力于为客户提供最为皮实耐用、高性价比、高回报率的物流搬运机械及工程机械产品和服务

※ 华南重工的愿景

让SOCMA成为中国民族工业的一面旗帜

※ 华南重工的核心价值观

以客户为中心，以奋斗者为本，坚持自我批判与反省，华南重工将长期处于成长阶段

•The mission of SOMCA

•Dedicating to provide the most sturdy 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 becoming the model enterprise in national industry

•The core value of SOCMA

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



BREAKTHROUGH



INNOVATION



GROWTH



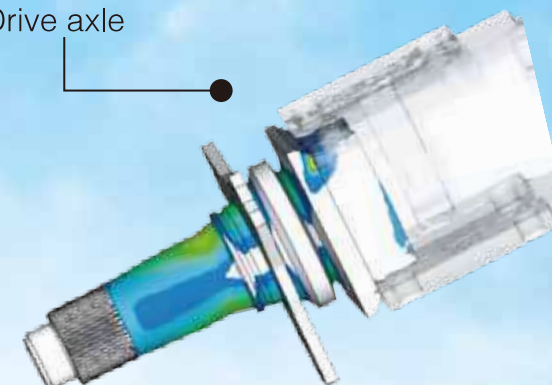
华南重工“结构优化整体方案”，对叉车进行刚度验证、强度核算、疲劳寿命预估，全面采用有限元力学分析，结构设计更优化，确保产品使用安全。

1. 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。
2. 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。
3. 门架举升高度可达3米以上，高型、低型、标配门架，多种属具可根据客户要求选配。
4. 采用快换式货架，属具更换快捷；液压调距货叉，重载侧移；卡斯卡特高强度货叉，更耐磨，可成倍提高寿命。

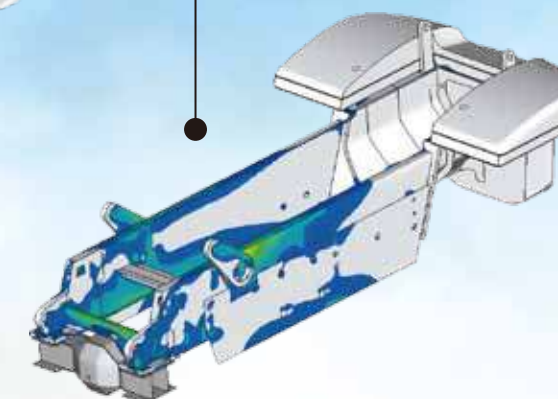
SOCMA "overall structure optimization scheme", verifies the stiffness and strength calculation, fatigue life forecast on the forklift, comprehensive finite element mechanics analysis, structure design optimization, ensure the security of the products use.

1. adopt long wheelbase, box double beam frame, can provide good rigidity and strength, to ensure the high reliability of forklift truck chassis.
2. inner and outer mast adopt roller operate, the door frame with roller, movable block energy structure, long service life of the mast, high reliability.
3. mast lifting height can be up to 3 meters, high mast, low mast, standard mast and a variety of accessories can be fitted according to customers' requirements.
4. adopted quick change shelf, change attachments quickly. Hydraulic fork positioner, side shifter. Cascade high strength fork, more wear-resisting, can multiply service life.

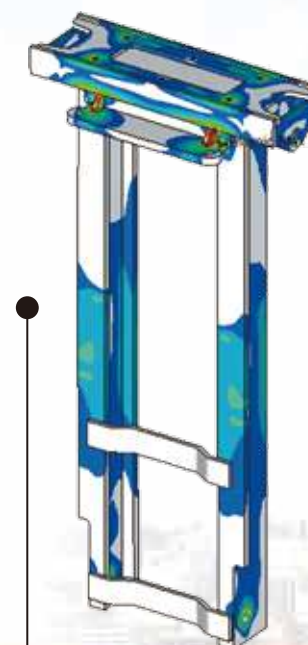
驱动桥云图
Drive axle



车架云图
Frame



有限元
分析云图
FEA PICS



内门架云图
Inner mast



外门架云图
Outer mast



1、采用康明斯、潍柴、玉柴涡轮增压柴油机，动力强劲，节能环保，满足高效作业要求。

2、采用杭齿、三齿动力换挡行星式液力变速器，联合工况牵引力大。

3、采用双涡轮液力变矩器，无级变速，单杆操纵变速系统，操纵更简便。

4、变速操纵阀加装空档启动装置，整机启动更安全。

5、前桥采用重型叉车驱动桥，桥壳、轮毂、轴承加大尺寸，螺旋伞齿轮和轮边行星轮减速增扭，钢构桥壳支撑，负荷能力大，使用寿命长。

6、后桥采用横置液压缸式转向机构，转向桥结构紧凑，转向角可达 70.5° ，有利于减小转弯半径，减轻轮胎磨损，提高行驶时的平顺性。

1. adopt Cummins, Weichai, Yuchai turbocharging engine, powerful, energy conservation, environmental protection, satisfies the requirement of high efficiency operation.

2. use Hangchi, Sanchi planet type hydraulic power shift transmission, big traction in combined operating condition.

3. adopt double turbine hydraulic torque converter, stepless speed change, single lever control for the speed changing, easier for operation.

4. Variable speed control valve matched with neutral starter, the machine start more secure.

5. front axle adopt heavy duty type driving axle, enlarge size of axle housing, hub and bearing, spiral bevel gear and wheel planetary wheel deceleration increasing twist, steel structure bridge shell support, increase the load capacity and service life.

6. rear axle by transverse hydraulic cylinder type steering, steering axle has compact structure, steering angle is 70.5° , help to reduce the turning radius, reduce tire wear and improve the driving comfort.



产品描述
PRODUCT
DESCRIPTION



7.采用四个重型钳盘式制动器，加厚制动盘，后置储气罐，十八倍制动气压加力比，散热更快，制动可靠，操作更安全。

8. 采用块状加深重型叉车轮胎，后转向桥可绕中心摆动，具有良好的牵引性能和通过性能。

9. 采用可调式方向机，航空座椅，先导阀控制分配阀和工作装置油路，操纵轻便灵活，坐感更舒适。

10. 采用国内优质电器元件，免维护蓄电池，电线

采用抗阻燃材料，工作可靠耐用；驾驶室配置风扇、收音机、冷暖空调、倒车显示屏，可根据客户要求选配计重器。

11. 部件国产化、标准化、性价比高，配件通用性好易采购，日常维护保养简便快捷。

12. 广泛应用于机场、港口、码头、车站、仓库等工作强度大的场合进行装卸、堆垛和短途运输。

7. using four heavy caliper disc brake, thicken brake disc, the rear air tank, 18 times braking pressure strength ratio, heat dissipation faster, reliable and safe operation

8. with massive deepen heavy forklift tire, rear steering axle can swing around the center, have good traction performance and passing performance.

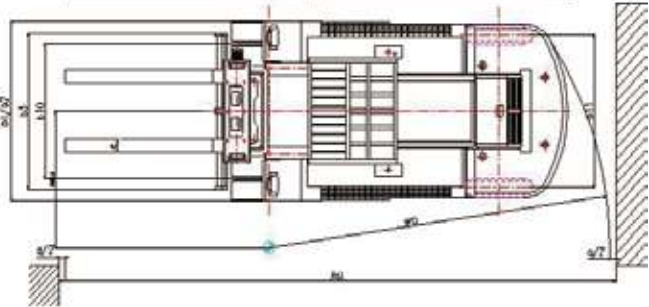
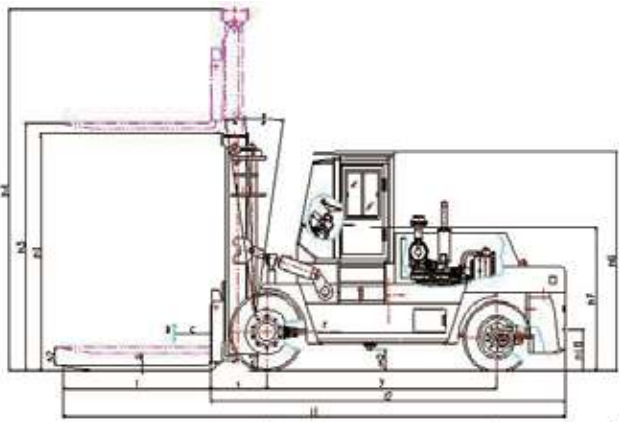
9. matched with adjustable direction, airline seats, joystick control distributing valve and working device, flexible and convenient manipulation

10. using domestic high quality electrical com-

ponents, maintenance-free battery, the wire resistance of flame retardant materials, reliable and durable. Cabin matched with fan, radios, air conditioner, reversing display, can match with weighting machine according to customers' requirements.

11. domestication parts, standardization, cost-effective, parts commonality good easy procurement, daily maintenance is simple and quick.

12. widely used in airports, ports, docks, stations, warehouses and other big working intensity occasions for loading and unloading, stacking and short-distance transportation.



产品参数
PRODUCT
PARAMETERS



参数表 Technical Parameter									
项目Item	项目内容	单位	设计值 Design details						
			HNF-120	HNF-150	HNF-160	HNF-200	HNF-250	HNF-300	HNF-350
特性 Features	起重量/载荷 Rated Load	Q (t)	12	15	16	20	25	30	35
	载荷中心距 Load center	c (mm)	600	600	900	900	1250	1250	1250
	轴距 Wheelbase	y (mm)	3000	3500	3500	4000	4400	4800	4800
重量Weight	自重 Weight	kg	18000	23500	25000	32500	35000	40000	43000
车轮底盘 Chassis	轮胎规格: 前 Tyre Specs. :Front		10. 00-20-16PR	12. 00-24-18PR	12. 00-24-18PR	14. 00-24-28PR	14. 00-24-28PR	14. 00-24-32PR	16. 00-25-32PR
	轮胎规格: 后 Tyre Specs. :Rear		10. 00-20-16PR	12. 00-20-18PR	12. 00-20-18PR	14. 00-24-28PR	14. 00-24-28PR	14. 00-24-32PR	16. 00-25-32PR
	车轮, 数量前/后 (X-驱动轮) Tyres Qty, front/rear(X-drive wheels)		4\2	4\2	4\2	4\2	4\2	4\2	4\2
	轮距: 前 Wheel tread:Front	b10 (mm)	1677	2060	2060	2200	2200	2420	2400
	轮距: 后 Wheel tread:Rear	b11 (mm)	2013	2330	2330	2390	2390	2390	2450
基本尺寸 Dimension	门架/货叉架前/后倾角 Mast/carriage tilt angle(front/rear)	Degree (°)	6\12	6\12	6\12	6\12	6\12	6\12	6\12
	门架回缩时高度 Mast height(fork lowering)	h1 (mm)	3090	3625	3625	3860	3860	3950	4010
	标准起升高度 Mast lifting height	h3 (mm)	3000	3500	3500	3500	3500	3500	3500
	作业时最大高度 Max.height	h4 (mm)	4590	5375	5375	5610	5610	5700	5760
	护顶架高度(驾驶室高度) Height to head guard(height to cab)	h6 (mm)	3000	3365	3365	3510	3510	3800	3860
	总长(含货叉长度) Overall height(with forks)	l1 (mm)	6055	7640	7640	8340	9190	9590	9700
	货叉垂直前表面至车辆后端距离 Fork front vertical surface to the rear end of the vehicle	l2 (mm)	4855	5840	5840	6345	6745	7150	7150
	总宽 Overall width	b1/b2 (mm)	2250	2750	2750	3050	3050	3200	3320
	货叉尺寸 Fork dimension	s/e (mm)	1200X180X90	1800X180X90	1800X180X90	2000X260X100	2440X300X110	2440X320X110	2440X340X125
	货叉架宽度 Fork carriage width	b3 (mm)	2200	2380	2380	3060	3060	3100	3000
	门架下最小离地间隙 满载 Mast min ground clearance(with load)	m1 (mm)	225	265	265	300	300	350	400
	轴距中心最小离地间隙 满载 Wheelbase center min ground clearance(with load)	m2 (mm)	350	325	325	420	420	410	460
	最小转弯半径 Min. Turning radius	Wa (mm)	4450	5800	5800	6250	6700	7260	7260
	运行速度(满载/无载) Travel speed(with load/without load)	km/h	23/26	26/30	26/30	26/30	25/29	24/28	25/28
性能参数 Performance	最大起升速度(满载/无载) Max.lifting speed(with load/without load)	mm/s	220/270	250/260	250/260	260/270	260/270	260/280	260/280
	最大下降速度(满载/无载) Max.Lowering speed(with load/without load)	mm/s	450/300	430/330	430/330	310/260	315/260	250/180	250/180
	牵引力 Traction	N	90000	150000	150000	170000	170000	220000	220000
	爬坡度(满载/无载) Gradeablity(with load/without load)	%	20/22	20/22	20/21	20/22	20/21	20/21	20/20
	行车制动 Driving brake		液压钳盘式 Hydraulic clamp disc	液压钳盘式 Hydraulic clamp disc	液压钳盘式 Hydraulic clamp disc	液压钳盘式 Hydraulic clampdisc	液压钳盘式 Hydraulic clamp disc	液压钳盘式 Hydraulic clampdisc	液压钳盘式 Hydraulic clamp disc
内燃机 Engine	内燃机生产厂家/型号 Engine brand/model	可选一 Optional one		玉柴 Yuchai engine	玉柴 Yuchai engine	潍柴 Weichai engine	潍柴 Weichai engine	潍柴 Weichai engine	潍柴 Weichai engine
				YC6J175-T302 6. 494L 129KW 2200rpm	YC6J175-T302 6. 494L 129KW 2200rpm	WP10G220E343 9. 726L 162KW 2000rpm	WP10G220E343 9. 726L 162KW 2000rpm	WO10G240E341 9. 726L 178KW 2200rpm	WO10G240E341 9. 726L 178KW 2200rpm
		可选二 Optional two	东康 Dongfeng Cummins	东康 Dongfeng Cummins	东康 Dongfeng Cummins	东康 Dongfeng Cummins	东康 Dongfeng Cummins	东康 Dongfeng Cummins	东康 Dongfeng Cummins
			QSB4. 5-C130 4. 5L 97KW 2200rpm	QSB6. 7-C190 6. 7L 142KW 2200rpm	QSB6. 7-C190 6. 7L 142KW 2200rpm	QSC8. 3-C215 8. 3L 160KW 2200rpm	QSC8. 3-C240 8. 3L 179KW 2200rpm	QSC8. 3-C260 8. 3L 194KW 2200rpm	QSC8. 3-C260 8. 3L 194KW 2200rpm
	气缸数目 Cylinder No		4	6	6	6	6	6	6
其他Others	变速箱档位数(前/后) Transmission gears(Front/rear)		2\2	2\1	2\1	2\1	2\1	2\1	2\1
	属具工作压力 Attachments working pressure	bar	160	160	160	180	180	180	180
	属具用的油量 Attachments using oil amount	L/min	40	60	60	80	80	80	80

注：由于技术改进，该数据可能与产品不符，如有差异请以产品为准
Note:the above date are subject to change without prior notice.



BREAKTHROUGH



INNOVATION



GROWTH



我们的专业，推动您的事业
OUR SPECIALITY PROMOTE YOUR CAREER



实在，值得信赖
OUR QUALITY IS IN THE HABIT