HELI
中国合力 提升未来

FORKLIFT

内燃平衡重式叉车
BALANCE WEIGHT TYPE FORKLIFT

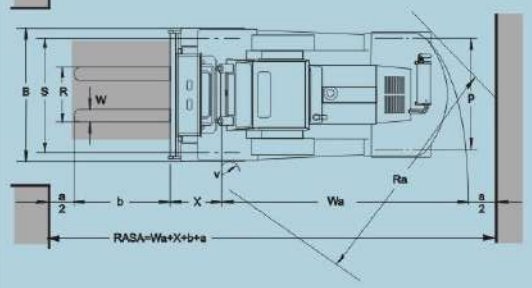
CPCD140-460

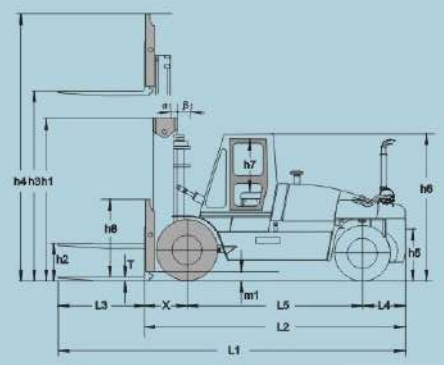


安徽合力股份有限公司
ANHUI HELI CO., LTD.



RASA:直角堆垛通道宽度 Right-Angle Store Aisle
a:间隙Clearame
b:载荷长度Length of load





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平装/印刷 合力印务
CATALOG NO 2013-12

CPCD140-160基本型门架 WIDE VIEW MAST

门架类型 Mast name	最大起升高度 Max.fork Height (mm)	门架全高 Overall height (mm)	起重量 Capacity (kg)			倾角(前/后) Tilt angle (F/B)	备 注 Remarks
			CPCD140	CPCD160	CPCD160(1200)		
M300	3000	3340	14000	16000	16000	6° /12°	标 准 型 standard equipment
M350	3500	3590	14000	16000	16000	6° /12°	
M400	4000	3840	14000	16000	16000	6° /12°	
M450	4500	4090	14000	16000	16000	6° /12°	
M500	5000	4390	14000	16000	16000	6° /6°	
M550	5500	4640	13000	15000	15000	3° /6°	
M600	6000	4940	12000	14000	14000	3° /6°	
M650	6500	5190	11000	13000	13000	3° /6°	

CPCD200-CPCD250基本型门架 WIDE VIEW MAST

门架类型 Mast name	最大起升高度 Max.fork Height (mm)	门架全高 Overall height (mm)	倾角(前/后) Tilt angle (F/B)	备 注 Remarks
M400	4000	3995	6° /10°	标 准 型 standard equipment
M450	4500	4245	6° /10°	
M500	5000	4495	6° /10°	
M550	5500	4745	6° /10°	
M600	6000	4995	6° /10°	
M650	6500	5245	6° /10°	
M700	7000	5495	6° /10°	
M750	7500	5745	6° /10°	
M800	8000	5995	6° /10°	

CPCD280-CPCD320基本型门架 WIDE VIEW MAST

门架类型 Mast name	最大起升高度 Max.fork Height (mm)	门架全高 Overall height (mm)	倾角(前/后) Tilt angle (F/B)	备 注 Remarks
M400	4000	4120	6° /10°	标 准 型 standard equipment
M450	4500	4370	6° /10°	
M500	5000	4620	6° /10°	
M550	5500	4870	6° /10°	
M600	6000	5120	6° /10°	
M650	6500	5370	6° /10°	
M700	7000	5620	6° /10°	
M750	7500	5870	6° /10°	
M800	8000	6120	6° /10°	

CPCD420-CPCD460基本型门架 WIDE VIEW MAST

门架类型 Mast name	最大起升高度 Max.fork Height (mm)	门架全高 Overall height (mm)	倾角(前/后) Tilt angle (F/B)	备 注 Remarks
M400	4000	4830	6° /10°	标 准 型 standard equipment
M450	4500	5080	6° /10°	
M500	5000	5330	6° /10°	
M550	5500	5580	6° /10°	
M600	6000	5830	6° /10°	
M650	6500	6080	6° /10°	
M700	7000	6330	6° /10°	
M750	7500	6580	6° /10°	
M800	8000	6830	6° /10°	

注：门架可选配二级全自由门架
Note: Duplex full free mast is optional

HELI合力
14-46 吨
内燃平衡重式叉车

SPECIFICATIONS

型号Model		CPCD140-Cu3	CPCD150-Cu3	CPCD160-Cu3	CPCD160-Cu4	CPCD180-Cu2	CPCD200-VZ-12 II	CPCD250-VZ-12 II	CPCD280-Vo	CPCD300-Vo	CPCD320-Vo	CPCD420-VD-12III	CPCD160-VD-12III
							(CPCD200-VZ-12III)	(CPCD250-VZ-12III)	(CPCD280H-Vo)	(CPCD300H-Vo)	(CPCD320H-Vo)		
h4货叉起升时高度	Overall Height Fork Raised	4840				5840	5995		6120			6830	
h3标准起升高度	Lifting Height	3000				4000	4000		4000			4000	
h1货叉落地时全高(门架垂直)	Overall Height Fork Lowered(Upright)	3340				3840	3995		4120			4830	
T货叉厚度	Fork Thickness	90					110		112			145	
L1全长(含货叉)	Overall Length(with Forks)	7410		8380			8782		9200			10370	
L3货叉长度	Fork Length	1820		2440									
L5轴距	Wheel Base	3650		4000			4250		4650			5500	
h6全高(驾驶室)	Overall Height(Cab)	3260					3875		3930			4220	
B全宽	Overall Width	2560					3040		3460			4120	
R货叉调节范围(货叉外侧)	Lateral Fork Adjustment(Outside of Fork)	900-2150					820-2700		920-2850			1250-2850	
最大侧移量(mm)	Max Side Shift Distance	±312.5					±470		±482.5			±400	
W货叉宽度	Fork Width	250							300			300	
Wa最小转弯半径	Min.Turning Radius	4970		5600			5920		6395			7518	

SPECIFICATIONS

型号	Model		CPCD140-Cu3	CPCD150-Cu3	CPCD160-Cu3	CPCD160-Cu4	CPCD180-Cu2	CPCD200-VZ-12 II	CPCD250-VZ-12 II	CPCD280-Vo	CPCD300-Vo	CPCD320-Vo	CPCD420-VD-12III	CPCD460-VD-12III
								(CPCD200-VZ-12III)	(CPCD250-VZ-12III)	(CPCD280H-Vo)	(CPCD300H-Vo)	(CPCD320H-Vo)		
额定起重量	Load Capacity	Kg	14000	15000	16000		18000	20000	25000	28000	30000	32000	42000	46000
载荷中心距	Load Center	mm	900		1200									
动力形式	Power Type		柴油 Diesel oil											
车轮(前/后) x=驱动轮	Wheel (Front/rear) X=Driving Wheel		4X/2											
轮胎(前/后)	Tire(Front/Rear)		12.00-24-20PR/12.00-20-20PR					14.00-24-28PR/14.00-24-28PR		16.00-25-32PR/16.00-25-32PR			18.00-25-40PR/18.00-25-40PR	
发动机型号	Internal Combustion Engine		Cummins QSB6.7					VOLVO TAD721VE（VOLVO TAD750VE）					VOLVO TAD952VE	
发动机形式	Internal Combustion Engine Number of Cylinder		6-102X120					6-108X130（6-108X130）					6-120X138	
发动机额定功率/额定转速	Internal Combustion Engine Rate Horsepower	kw/rpm	142/2400					195/2300(181/2300)					252/1900	
发动机额定扭矩/转速	Internal Combustion Engine Rate Torque	Nm/rpm	930/1500					900/1400(1050/1500)					1700/1300	
排放标准	EPA Standards		欧III EPAIII					欧II EPA II (欧III EPAIII)					欧III EPAIII	
变速箱挡数(前/后)	Transmission Number of Speed (Fwd/Rvs)		3/3					3/3					4/4	

注：括号内车型与发动机一一对应
Note: The forklift types are matchable with engines







后视系统
（选用件）

CPCD140-180型叉车优点

- 发动机选用符合欧美非公路机动设备环保排放标准的Cummins柴油机。发动机的附件为专用件，保证发动机的正常使用与维护。
- 变速箱选用德国ZF公司的变速箱。该变速箱采用多种控制程序集成于一体控制部件，能轻易实现各种控制操纵，并带有故障诊断仪，大大简化了维护与保养。
- 驱动桥选用德国Kessler公司的驱动桥。该桥桥荷、制动扭矩大，安全可靠；制动器为多片式湿式制动器，防尘防水性好，免维护。
- 液压系统主要选用德国力士乐公司的产品，整个系统采用全液压负荷传感变量泵系统，从而实现液压系统的无级供油，系统无溢流损失系统效率高，实现了节能，降低了油温。
- 多路阀为带有优先转向的先导控制的多路换向阀，操纵手柄与多路阀分开，可实现远距离控制，操纵轻便省力舒适，安全性能好，减轻司机的操作疲劳强度。

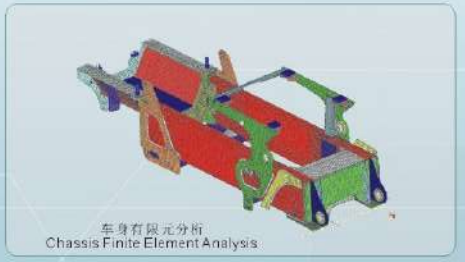
CPCD200-320型叉车优点

- 发动机选用符合欧美非公路机动设备环保排放标准的VOLVO柴油机，发动机的附件为专用件，保证发动机的正常使用与维护。
- 变速箱选用德国ZF公司的变速箱。该变速箱采用多种控制程序集成于一体控制部件，能轻易实现各种控制操纵，并带有故障诊断仪，大大简化了维护与保养。
- 驱动桥选用德国KESSLER公司的驱动桥。该桥桥荷与制动扭矩大,安全可靠,制动器为多片全封闭式湿式制动器,防尘防水性好，免维护。
- 液压系统的主要部件选用PARKER的产品。多路阀为带有优先转向的先导控制的多路换向阀，操纵手柄与多路阀分开，可实现远距离控制,操纵轻便省力舒适,安全性能好，减轻司机的操纵疲劳强度。
- 门架坚固耐用，复合式侧移调距叉，无需另配侧移器。

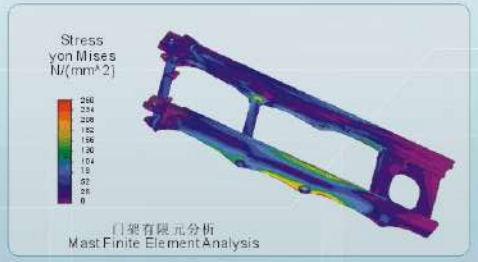
CPCD420-460型叉车优点

- 发动机选用符合欧美非公路机动设备环保排放标准的VOLVO柴油机。发动机的附件为专用件，保证发动机的正常使用与维护。
- 变速箱选用DANA公司的变速箱。该变速箱采用多种控制程序集成于一体控制部件，能轻易实现各种控制操纵，并带有故障诊断仪，大大简化了维护与保养。
- 驱动桥选用德国KESSLER公司的驱动桥。该桥桥荷与制动扭矩大安全可靠,制动器为多片全封闭式湿式制动器,防尘防水性好，免维护。
- 液压系统的主要部件选用PARKER的产品。整个系统采用全液压负荷传感变量系统,从而实现液压系统的无级供油,系统无溢流损失,系统效率高,实现了节能，降低了油温。
- 门架坚固耐用，复合式侧移调距叉，无需另配侧移器。

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14-46 吨
内燃平衡重式叉车



车身有限元分析
Chassis Finite Element Analysis



门架有限元分析
Mast Finite Element Analysis

CPCD140-180 FORKLIFT'S Advantage

- Cummins Diesel engine, comply to EPA standards on None-road application, with genuine attached parts to guarantee the normal use and maintenance.
- ZF Transmission system. This transmission system integrated various control software in one controller, easy to handle. It can also be diagnosed easily with the diagnostic machine interface.
- Kessler Front Axle. This Axle has high load capacity and brake torque to be safe and reliable enough. Wet type brake is water-resistant and dust-resistant and maintenance free.
- Rexroth Main Hydraulic system. Using hydraulic oil pressure feedback various pump system to realize the continuous oil supplying and reduce the overflow losses and increase the efficiency to save the energy and reduce the oil temperature.
- Using prior-steering strategy Pre-open valve on Multi-control Valve to separate the operation level and control valve to realize remote control. It can be operated with comfort and safety and release the tension of the driver.

CPCD200-320 FORKLIFT'S Advantage

- VOLVO Diesel engine, comply to EPA standards on None-road application, with genuine attached parts to guarantee the normal use and maintenance.
- ZF Transmission system. This transmission system integrated various control software in one controller, easy to handle. It can also be diagnosed easily with the diagnostic machine interface.
- Kessler Front Axle. This Axle has high load capacity and brake torque to be safe and reliable enough. Wet type brake is water-resistant and dust-resistant and maintenance free.
- Parker Main Hydraulic system. Using prior-steering strategy Pre-open valve on Multi-control Valve to separate the operation level and control valve to realize remote control. It can be operated with comfort and safety and release the tension of the driver.
- The mast is very strong and durable, and with integral side-shifting fork positioner. It's unnecessary to fit additional side shift.

CPCD420-460 FORKLIFT'S Advantage

- VOLVO Diesel engine, comply to EPA standards on None-road application, with genuine attached parts to guarantee the normal use and maintenance.
- DANA Transmission system. This transmission system integrated various control software in one controller, easy to handle. It can also be diagnosed easily with the diagnostic machine interface.
- Kessler Front Axle. This Axle has high load capacity and brake torque to be safe and reliable enough. Wet type brake is water-resistant and dust-resistant and maintenance free.
- Parker Main Hydraulic system. Using hydraulic oil pressure feedback various pump system to realize the continuous oil supplying and reduce the overflow losses and increase the efficiency to save the energy and reduce the oil temperature.
- The mast is very strong and durable, and with integral side-shifting fork positioner. It's unnecessary to fit additional side shift.



标准配置

- 前大灯
- 前组合灯
- 小时表
- 水温表
- 燃油表
- 电喇叭
- 倒车蜂鸣器
- 灯护架
- 先导手柄
- 充电指示
- 油压报警
- 预热指示
- 发动机自动预热系统
- 发动机钥匙熄火
- 液位镜
- 变矩器油标尺
- 宽视野门架
- 多路阀
- 侧移调距叉
- 标准货叉
- 起升油路限速阀
- 全液压动力转向
- 倾斜油路自锁阀
- 倾斜可调转向管柱
- 驾驶室
- 空调
- 倒车镜
- 牵引销
- 空气滤清器
- 随车工具

STANDARD DISTRIVUTION

- Head Light
- Front Combination Light
- Hour Gauge
- Water Temperature Gauge
- Fuel Gauge
- Horn
- Back-up Alarm
- Light Bracket
- Pilot Valve Handle
- Charge Indicator
- Engine Oil Pressure Indicator
- Preheating Indicator
- Engine Glow Plug System
- Engine Key Flameout
- Hydraulic Oil Level Mirror
- Torque Converter Dipstick
- Wideview Mast
- Control Valve
- Side-shifting Fork Positioner
- Standard Forks
- Lifting Hydraulic Regulator
- Hydraulic Power Steering
- Tilting Lock Valve
- Steering Column Tilt Adjustment
- Cab
- Air Conditioner
- Rearview mirrow
- Draw Pin
- Air Cleaner
- Tools

选用装置和附件

- 实心轮胎
- 后视系统
- 用户指定颜色

Optional device

- Solid Tire
- Backsight system
- Customer referred color

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