

10-12T

Internal Combustion Container Forklift



• 采用大功率发动机，动力强劲。发动机舱可从上部打开，维修保养方便。

Equipped with a high-power engine, which delivers robust performance. The engine compartment can be opened from the top, facilitating easy maintenance and servicing.

• 采用内燃车架、车桥，承载力强，稳定性好。驱动桥端部采用半轴密封技术，齿轮油密封性好。

The internal combustion frame and axle offer strong bearing capacity and stability. The drive axle ends adopt half-shaft sealing technology, ensuring good gear oil sealing performance.

• 门架、护顶架、整车高度降低，专为集装箱作业研发。

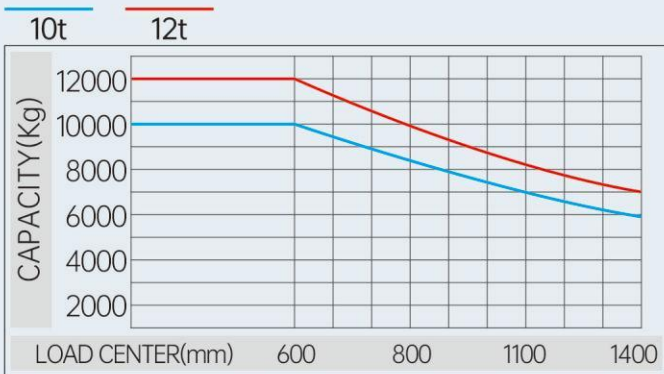
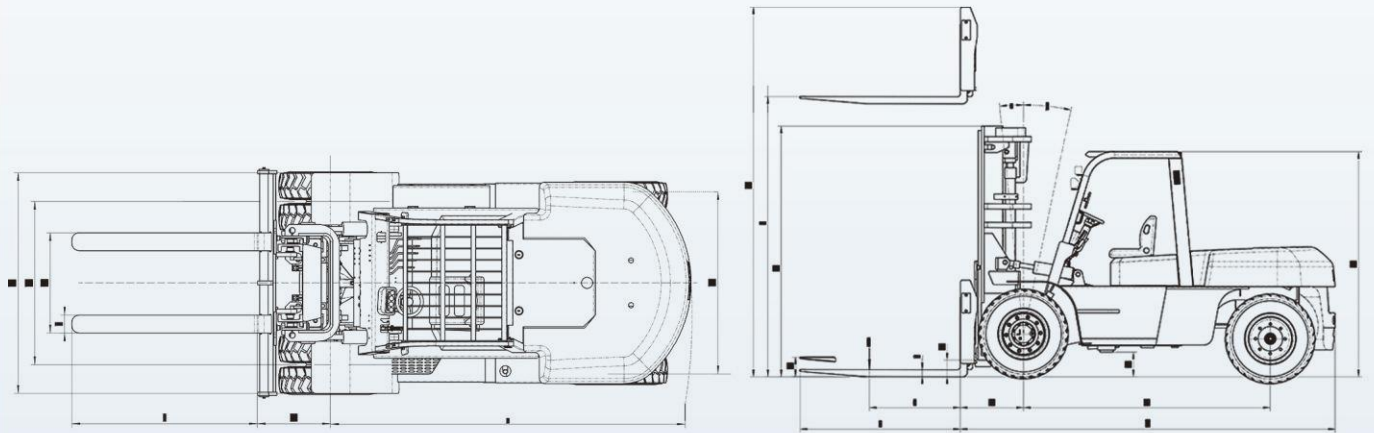
The mast, overhead guard and overall height are specifically reduced for container operations.



通用项 General				CPCD100		CPCD120	
1.01	额定起重量	Rated capacity	Q	Kg	10000	12000	
1.02	载荷中心距	Load center distance	C	mm	600		
1.03	动力形式	Power type			柴油 Diesel		
1.04	驾驶方式	Driving type			坐驾式 Seated		
1.05	轴距	Wheel base	L1	mm	3200		
轮胎 Tyres							
2.01	轮胎类型	Tyre type			充气胎 Penumatic		
2.02	车轮数量(前/后)	Wheel number(front/rear)			4X/2		
2.03	前轮距	Front tread	W3	mm	1600		
2.04	后轮距	Rear tread	W2	mm	1800		
2.05	轮胎, 前	Tyre (front)			9.00-20-14PR		
2.06	轮胎, 后	Tyre (rear)			8.25-20-14PR		
尺寸 Size							
3.01	前悬距	Front overhang	L2	mm	720		
3.02	门架倾角, 前/后	Mast tilting angle, front/rear	α/β	°	6°/12°		
3.03	门架回缩时高度	Height with mast retraction	H1	mm	2230		
3.04	自由起升高度	Free lifting height	H3	mm	900		
3.05	最大起升高度	Max. lifting height	H	mm	2000		
3.06	作业时最大高度	Max. height after lifting	H2	mm	3240		
3.07	护顶架高度	Overall guard height	H4	mm	2200		
3.08	货叉尺寸 长×宽×厚	Fork size:lengthxwidthxthickness	LxWxT	mm	1220X175X80		
3.09	车体长度(不含货叉)	Overall length (fork excluded)	L'	mm	4670	4785	
3.10	车体宽度	Overall width	W1	mm	2200		
3.11	转弯半径	Turning radius	r	mm	4480		
3.12	门架离地间隙	Ground clearance of mast	H5	mm	180		
3.13	轴距中心离地间隙(满载)	Ground clearance of wheel base center (loaded)	H6	mm	280		
3.14	货叉调节范围 (外侧)最大/最小	Lateral fork adjustment Max./Min.	W5	mm	1883/473		
性能 Performance							
4.01	行驶速度(满/空载)	Travelling speed (loaded/unloaded)		km/h	20/22	18/20	
4.02	起升速度(满/空载)	Lifting speed (loaded/unloaded)		mm/s	320/360	300/340	
4.03	下降速度(满/空载)	Lowering speed (loaded/unloaded)		mm/s	400/350		
4.04	爬坡能力(满载)	Gradeability (loaded)		%	20	15	
4.05	最大牵引力(满载)	Max.traction force (loaded)		KN	57		
重量 Weight							
5.01	总重	Total weight		Kg	13800	14300	
发动机 Engine							
6.01	发动机品牌/型号	Engine manufacturer/Model			XICHAI CA6110		
6.02	额定功率/转速	Rated power /Speed		Kw/rpm	85/2000		
6.03	最大扭矩/转速	Max. torque/Speed		Nm/rpm	450/1400 ~ 1500		
6.04	气缸数-缸径×行程	Cylinder number-bore×stroke			6-110×125		
6.05	发动机排量	Engine displacement		L	7.127		
6.06	排放标准	Emission			StageII		
传动性能 Transmission							
7.01	变速箱档位(前/后)	Transmission gears (front/rear)			2-2 动力换挡 Power Shift		
7.02	燃油箱容量	Fuel tank capacity		L	140		
其他数据 Additional data							
8.01	行车制动/停车制动	Service brake/parking brake			液压机械/Hydraulic/Mechanical		
8.02	液压系统工作压力	Hydraulic system working pressure		Mpa	19.5	21	

门架类型	最大起升高度	承载能力 (载荷中心为600mm)kg		门架落地全高 (货叉落地)	自由起升 (带挡货架)	门架倾角 (前/后)
Mast	Max. lifting height	Load capacity (load center 600mm)(kg)		Mast overall height (mm)	Free lifting height (with backrest) mm	Mast tilting angle (front/rear)
model	(mm)	10t	12t	10-12t	10-12t	
ZM200	2000	10000	12000	2230	900	6°/12°
SM270	2700	9500	11500	2210	880	6°/6°

Optional Engines					
Engine Model	Rated power/speed (kw/rpm)	Rated Torque/speed (Nm/rpm)	Engine Displacement	Cylinder number Bore×Stroke	Emission Standard
ISUZU 6BG1QC-02	82.4/2000	416.8/1500	6.494	6-105×125	Stage II
CUMMINS 4BTA3.9-C125	93/2200	475/1500	3.9	4-102×120	Stage II
CUMMINS QSB4.5	82/2200	488/1500	4.5	4-107×124	Stage IIIA
CUMMINS QSB6.7-C160	119/2300	731/1500	6.7	6-107×124	Stage IIIA
CUMMINS QSF3.8-C115T3	86/2200	470/1100-1700	3.76	4-102×115	Stage IIIA
CUMMINS QSF3.8-C120T4	90/2200	488/1600	3.76	4-102×115	EPAT4
CUMMINS F3.8	90/2200	500/1500	3.8	4-102×115	EPA Tier4F /Euro V



注：
竖轴表示承载量，横轴表示载荷中心。载荷中心是从货叉正面计算起，标准载荷的基点是指负荷边长为 1000 毫米的立方体中心位置。当门架前倾、使用非标准货叉或装载超过正常宽度的负荷时，将会使承载量减少。通过负荷曲线图，能及时地了解标准门架在各种载荷中心时的承载能力。

Note:
The vertical axis represents the load capacity and the horizontal axis represents the load center. The load center is calculated from the face of the cargo. The reference point of the standard load is the center of the cubic load with a side length of 1000 mm. When the mast tilts forward, non-standard forks are used, or loads exceeds normal width, the load capacity will decrease. The load chart provides a clear understanding of the carrying capacity of a standard mast at various load centers.

•散热性能提升。
Improved cooling performance

优化散热风道，同时配置高性能散热水箱，提升整机散热性能，保持适宜的水温、油温。
The optimized cooling duct along with high performance water tank, improves the heat dissipation performance, maintaining an appropriate water and oil temperature.

•液压转向系统
Hydraulic steering system

采用全液压助力转向系统，转向操作力小，转弯灵活平稳。
Fully hydraulic power steering system is adopted, ensuring flexible and smooth steering with a slight operation effort.

