



5-12T

Internal Combustion Container Forklift



安徽维麦重工股份有限公司

- 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.



- 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.

均可进入20尺、40尺集装箱作业。
Both suitable for operations in 20ft and 40ft containers.





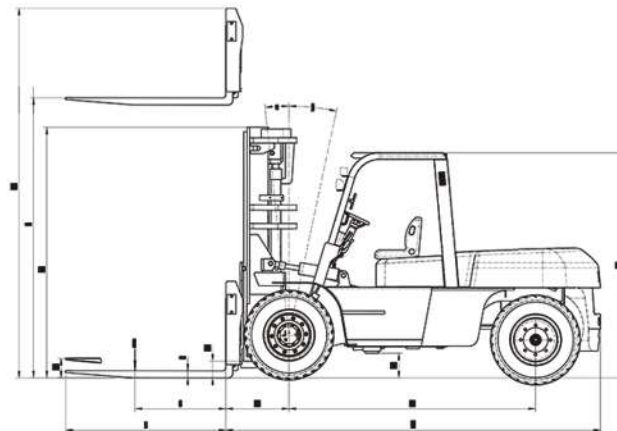
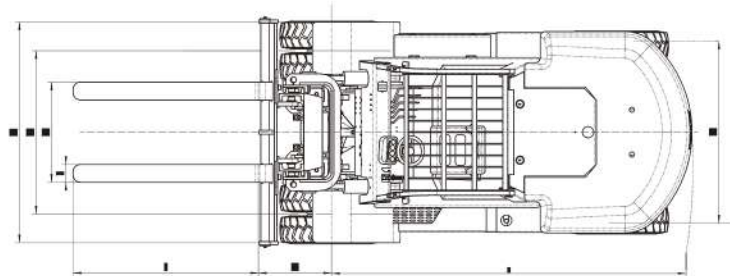
TECHNICAL DATAS

General									
1.01	Model			CPCD50	CPCD60	CPCD70	CPCD80	CPCD100	CPCD120
1.02	Rated capacity	Q	Kg	5000	6000	7000	8000	10000	12000
1.03	Load center distance	C	mm	600	600	600	600	600	600
1.04	Power type			Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.05	Driving type			Seated	Seated	Seated	Seated	Seated	Seated
1.06	Wheel base	L1	mm	2250	2250	2250	2250	3150	3200
Tyres									
2.01	Tyre type			Penumatic	Penumatic	Penumatic	Penumatic	Penumatic	Penumatic
2.02	Wheel number (front/rear)			4X / 2	4X / 2	4X / 2	4X / 2	4X / 2	4X / 2
2.03	Front tread	W3	mm	1470	1470	1470	1470	1600	1600
2.04	Rear tread	W2	mm	1700	1700	1700	1700	1800	1800
2.05	Tyre (front)			250-15	250-15	250-15	250-15	9.00-20-14PR	9.00-20-14PR
2.06	Tyre (rear)			250-15	250-15	250-15	250-15	8.25-20-14PR	8.25-20-14PR
Size									
3.01	Front overhang	L2	mm	582	592	597	602	720	720
3.02	Mast tilting angle, front/rear	α/β	°	6/12	6/12	6/12	6/12	6/12	6/12
3.03	Height with mast retraction	H1	mm	2230	2230	2230	2230	2230	2230
3.04	Free lifting height	H3	mm	803	803	803	803	900	900
3.05	Max. lifting height	H	mm	2500	2500	2500	2500	2000	2000
3.06	Max. height after lifting	H2	mm	3926	3926	3926	3926	3240	3240
3.07	Overhead guard height	H4	mm	2230	2230	2230	2230	2200	2200
3.08	Fork size: length x width x thickness	L x W x T	mm	1220 x 150 x50	1220 x 150 x60	1220 x 150 x65	1220 x 175 x 70	1220X175X80	1220X175X80
3.09	Overall length (fork excluded)	L'	mm	3440	3440	3560	3560	4615	4785
3.10	Overall width	W1	mm	2112	2112	2112	2112	2200	2200
3.11	Turning radius	r	mm	3250	3250	3250	3250	4480	4480
3.12	Ground clearance of mast	H5	mm	150	150	150	150	180	180
3.13	Ground clearance of wheel base center (loaded)	H6	mm	190	190	190	190	280	280
3.14	Lateral fork adjustment Max./Min.	W5	mm	1840/300	1840/300	1840/300	1840/300	1883/473	1883/473
Performance									
4.01	Travelling speed (loaded/unloaded)		km/h	26/28	26/28	26/28	26/28	20/22	18/20
4.02	Lifting speed (loaded/unloaded)		mm/s	450/500	450/500	450/500	450/500	320/360	300/340
4.03	Lowering speed(loaded/unloaded)		mm/s	460/390	460/390	460/390	460/390	400/350	400/350
4.04	Gradeability (loaded)		%	20	20	20	20	20	15
4.05	Max. traction force (loaded)		KN	65	65	65	65	57	57
Weight									
5.01	Total weight		Kg	8160	8640	9340	9850	13800	14300
Combustion engine									
6.01	Engine manufacturer /Model			XICHAi CA6110		XICHAi CA6110		XICHAi CA6110	
6.02	Rated power /Speed		Kw/rpm	85/2000		85/2000		85/2000	
6.03	Max. torque /Speed		Nm/rpm	450/1400 ~ 1500		450/1400 ~ 1500		450/1400 ~ 1500	
6.04	Cylinder number -bore×stroke			6-110×125		6-110×125		6-110×125	
6.05	Engine displacement		L	7.127		7.127		7.127	
6.06	Emission			Stage II		Stage II		Stage II	
Transmission									
7.01	Transmission gears (front/rear)			2-2 Power Shift		2-2 Power Shift		2-2 Power Shift	
7.02	Fuel tank capacity		L	140	140	140	140	140	140
Additional data									
8.01	Service brake / parking brake			Hydraulic/Mechanical		Hydraulic/Mechanical		Hydraulic/Mechanical	
8.02	Hydraulic system working pressure		Mpa	20	20	20	20	19.5	21

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 600mm)				Mast overall height (mm)	Free lifting height (with backrest)	Mast tilting angle° (front/rear)
		5t	6t	7t	8t			
ZM250	2500	5000	6000	7000	8000	2230	800	6/12

Mast model	Max.lifting height (mm)	Load capacity (kg) (load center 600mm)		Mast overall height (mm)	Free lifting height (with backrest)	Mast tilting angle° (front/rear)
		10t	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 x Stroke	Emission Standard
XICHAI CA4110	61/2200	305/1400~1600	4.752	4-110×125	Stage I
MITSUBISHI S6S-228	52/2300	248/1700	4.966	6-94×120	Stage IIIB
MITSUBISHI S6S-T	63.9/2300	285/1700	4.966	6-94×120	Stage IIIA
XICHAI CA6110	85/2000	450/1400~1500	7.127	6-110×125	Stage II
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
6BT5.9-C130-II	97/2200	560/1500	5.9	6-102×120	Stage II
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



◎应用场景。

Application Scenarios.



港口集装箱码头
Port Container Terminals



内陆堆场 / 保税仓
Inland Yards / Bonded Warehouses



冷链仓储
Cold Chain Warehouses



跨境物流中心
Cross-border Logistics Centers

