

H series 4-5 ton
BALANCE WEIGHT TYPE
FORKLIFT



HELI
LIFTING THE FUTURE

Top 10 forklif manufacturer in the world
No.1 in China market for the 22 consecutive year

Characteristics															
1	Manufacturer														
2	Model		CPCD40-WX5	CPCD45-WX5	CPCD50-WX5	CPCD40-M2	CPCD45-M2	CPCD50-M2	CPQD40-TY5 CPYD40-TY5 CPQYD40-TY5	CPQD45-TY5 CPYD45-TY5 CPQYD45-TY5	CPQD50-TY5 CPYD50-TY5 CPQYD50-TY5	CPQD40-R4 CPYD40-R4 CPQYD40-R4	CPQD45-R4 CPYD45-R4 CPQYD45-R4	CPQD50-R4 CPYD50-R4 CPQYD50-R4	
3	Power unit		Diesel						Gasoline/LPG(single/dual fuel)						
4	Rated Capacity	kg	4000	4500	5000	4000	4500	5000	4000	4500	5000	4000	4500	5000	
5	Load Center	mm	500												
6	Operation		Seated												
Dimensions															
7	Overall max.lifting height (with backrest)	h4	mm												
8	Standard lifting height	h3	mm												
9	Height mast retracted(upright)	h1	mm												
10	Free lift height	h2	mm												
11	Backrest height(from upper face of forks)	h8	mm												
12	Overhead Guard clearance(from face of seat)	h7	mm												
13	Overall height(overhead guard)	h6	mm												
14	Overall length(with forks/without forks)	L1/L2	mm	4145/3075	4165/3095	4209/3139	4145/3075	4165/3095	4209/3139	4145/3075	4165/3095	4209/3139	4145/3075	4165/3095	4209/3139
15	Front overhang	X	mm												
16	Rear overhang	L4	mm	520	540	584	520	540	584	520	540	584	520	540	584
17	Wheel base	L5	mm												
18	Coupler height	h5	mm												
19	Min.ground clearance under mast	m1	mm												
20	Overall width	B	mm												
21	Lateral fork adjustment outside of fork(Max./Min.)	R	mm												
22	Tread(front/rear)	S/P	mm												
23	Outside turning radius	Wa	mm	2720	2740	2780	2720	2740	2780	2720	2740	2780	2720	2740	2720
24	Inside turning radius	V	mm												
25	Min.intersecting aisle	Ra	mm	2480	2500	2550	2480	2500	2550	2480	2500	2550	2480	2500	2480
26	Tilting angles(forward/backward)	α / β													
27	Fork dimensions(axbxc)		mm												
Driving Performance															
28	Max.Traveling speeds(With/Without load)	km/h	24/25			24/25			24/25			24/25			
29	Lifting Speeds(W/W L)	mm/s	435/460			460/520			450/455			430/435			
30	Lowering Speeds(W/W L)	mm/s	<600/>300												
31	Max.Draw-bar pull(W/W L)	kN	21/17			21/17			21/17			21/17			
32	Max.Gradeability(W/W L)	%	20/20	19/20	17/20	18/20	17/20	16/20	20/20	19/20	17/20	20/20	19/20	17/20	
Weights															
33	Service Mass	kg	6600	6800	7100	6600	6800	7100	6600	6800	7100	6600	6800	7100	
34	Load Wheel with load(Front/Rear)	kg	9010/1590	9750/1550	10500/1600	9010/1590	9750/1550	10500/1600	9010/1590	9750/1550	10500/1600	9010/1590	9750/1550	10500/1600	
35	Load Wheel without load(Front/Rear)	kg	2750/3850	2710/4090	2680/4420	2750/3850	2710/4090	2680/4420	2750/3850	2710/4090	2680/4420	2750/3850	2710/4090	2680/4420	
Tyres															
36	Wheels number front/rear(x=driven)		2X/2												
37	Tyre Type		Pneumatic												
38	Tyre size(front)		8.25-15-14PR	300-15-18PR	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR	
39	Tyre size(rear)		7.00-12-12PR												
40	Service Brake		hydraulic type												
41	Parking Brake		Mechanical manual type												
Drive															
42	Battery (Voltage/Capacity)	V/Ah	24/80						12/100						
43	Engine Model		Xichai Ca4110			Mitsubishi S6-S230			GM4.3L			NISSAN TB42			
44	Engine Fuel		Diesel			Diesel			Gasoline/LPG(single/dual fuel)			Gasoline/LPG(single/dual fuel)			
45	Engine Rated Output	kW/rpm	61/2200			52/2300			70/2300 , 76.6/2300			66/2300			
46	Engine Rated Torque	Nm/rpm	305/1400~1600			248/1700			287/1700 , 323.5/1700			310/1800			
47	Engine Number of Cylinder		4- ϕ 110 \times 125			6- ϕ 94 \times 120			6- ϕ 101.6 \times 88.39			6- ϕ 96 \times 96			
48	Engine Displacement	L	4.75			4.966			4.294			4.169			
49	Fuel Tank Capacity	L	90												
50	Transmission type		hydraulic type												
51	Transmission Number of Speed Fwd/Bwd		2-1Electro-hydraulic												

BALANCE WEIGHT TYPE FORKLIFT

4-5 Ton

DUPLEX MAST

Mast model	Max. Lifting height	Load capacity(Load center 500mm)			Service Mass			Height mast retracted (Upright) (mm)	Tilting angles (Forward/backward)
		CPCD40	CPCD45	CPCD50	CPCD40	CPCD45	CPCD50		
		CPQ(Y)40	CPQ(Y)45	CPQ(Y)50					
M200	2000	4000	4500	5000	6550	6750	7050	1875	6° /12°
M260	2600	4000	4500	5000	6560	6760	7060	2175	6° /12°
M300	3000	4000	4500	5000	6600	6800	7100	2375	6° /12°
M330	3300	4000	4500	5000	6630	6830	7130	2525	6° /12°
M350	3500	4000	4500	5000	6660	6860	7160	2625	6° /12°
M370	3700	4000	4500	5000	6680	6880	7180	2725	6° /6° *6° /12°
M375	3750	4000	4500	5000	6690	6890	7190	2750	6° /6° *6° /12°
M400	4000	4000	4500	5000	6760	6960	7260	2925	6° /6° *6° /12°
M425	4250	3850 *4000	4350 *4500	4850 *5000	6800	7000	7300	3050	6° /6°
M450	4500	3600 *4000	4000 *4500	4600 *4800	6830	7030	7330	3175	6° /6°
M475	4750	3400 *4000	3800 *4500	4300 *4800	6860	7060	7360	3300	6° /6°
M500	5000	3100 *3700	3600 *4300	4000 *4600	6900	7100	7400	3425	6° /6°
M540	5400	2600 *3450	2950 *3550	3250 *3650	6960	7160	7460	3625	3° /6°
M600	6000	1500 *2200	1700 *2300	2000 *2400	7130	7330	7630	3925	3° /6°

NOTE: (1) Rated capacity with (*) : shows capacity with front dual tires.
(2) M300 is Standard Equipment.

DUPLEX FULL FREE MAST

Mast model	Max. Lifting height	Load capacity(Load center 500mm)			Service Mass			Height mast retracted (Upright) (mm)	Free Lift (with Backrest)	Tilting angles (Forward/backward)
		CPCD40	CPCD45	CPCD50	CPCD40	CPCD45	CPCD50			
		CPQ(Y)40	CPQ(Y)45	CPQ(Y)50						
ZM261	2610	4000	4500	5000	6740	6940	7240	2180	905	6° /12°
ZM271	2710	4000	4500	5000	6750	6950	7250	2230	955	6° /12°
ZM300	3000	4000	4500	5000	6780	6980	7280	2375	1100	6° /12°
ZM330	3300	4000	4500	5000	6810	7010	7310	2525	1250	6° /12°
ZM350	3500	4000	4500	5000	6850	7050	7350	2625	1350	6° /12°
ZM375	3750	4000	4500	5000	6880	7080	7380	2750	1475	6° /6° *6° /12°
ZM400	4000	4000	4500	5000	6920	7120	7420	2875	1600	6° /6° *6° /12°

NOTE: (1) Rated capacity with (*) : shows capacity with front dual tires.
(2) The free height of full free 2-stage mast without backrest+380mm.

TRIPLEX FULL FREE MAST

Mast model	Max. Lifting height	Load capacity(Load center 500mm)			Service Mass			Height mast retracted (Upright) (mm)	Free Lift (with Backrest)	Tilting angles (Forward/backward)
		CPCD40	CPCD45	CPCD50	CPCD40	CPCD45	CPCD50			
		CPQ(Y)40	CPQ(Y)45	CPQ(Y)50						
ZSM392	3920	3900	4400	4900	7050	7250	7550	2230	955	6° /12°
ZSM435	4350	3800	4300	4700	7100	7300	7600	2375	1100	6° /12°
ZSM450	4500	3600 *3700	4100 *4200	4600	7120	7320	7620	2426	1150	6° /12°
ZSM470	4700	3600 *3700	4100 *4200	4600	7150	7350	7650	2492	1215	6° /12°
ZSM480	4800	3500 *3700	4000 *4200	4600	7170	7370	7650	2525	1250	6° /12°
ZSM500	5000	3300 *3600	3800 *4100	4400 *4500	7220	7420	7720	2625	1350	6° /12°
ZSM540	5400	2400 *3400	2900 *3900	3500 *4300	7270	7470	7770	2725	1450	3° /6°
ZSM600	6000	1700 *3200	2100 *3500	2600 *4000	7360	7560	7860	2990	1715	3° /6°
ZSM630	6300	1200 *2900	1600 *3200	2100 *3700	7400	7600	7900	3090	1815	3° /6°

NOTE: (1) Rated capacity with (*) : shows capacity with front dual tires.
(2) The free height of full free 3-stage mast without backrest+365mm.

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CE Certification



ISO9001 Certification

