

CPCD45T9

INTERNAL COMBUSTION COUNTERBALANCED FORKLIFT 4.5T

 4500 kg  3000 mm



The CPCD T9 Series is well suited for :



- Heavy-duty material handling in manufacturing plants
- Yards, ports, and outdoor logistics centers
- Building materials, metal, and timber industries
- Long-shift operations requiring stable power

Thanks to its continuous power, reliable braking system, wide visibility, and all-weather capability, the T9 Series performs confidently in outdoor environments where electric alternatives face limitations, particularly in cold climates or remote locations requiring rapid refueling.

SPECIFICATION	REF	UNIT	VALUE
Load capacity	Q	kg	4500
Load centre distance	c	mm	500
Service weight		kg	6500
Retracted mast height	h_1	mm	2250
Lift height	h_3	mm	3000
Height, mast extended	h_4	mm	4177
Overall width	b_1/b_2	mm	1495
Model designation			CPCD45T9
Drive			Diesel
Operator type			Seated
Load distance, centre of drive axle to fork		mm	545
Wheelbase		mm	2100
Axle loading, laden front/rear		kg	9815/1185
Axle loading, unladen front/rear		kg	2820/3680
Tyre type			Pneumatic
Tyre size, front		mm	300-15-20PR

Features

Capacity varies from 4 to 12 tons with family-style design.

Comfortable, quiet and vibration-free ride thanks to the flexible coupling and automatic shifting, ideal for long working hours.

Strong, reliable power to handle heavy loads even on ramps seamlessly.

The hydraulic dynamic drive with electronic control system advances operation efficiency and accuracy.

Wide-view mast and mast lifting and lowering buffer ensure operation safety.

Hydraulic power braking and stable chassis give the operator confidence in every maneuver.

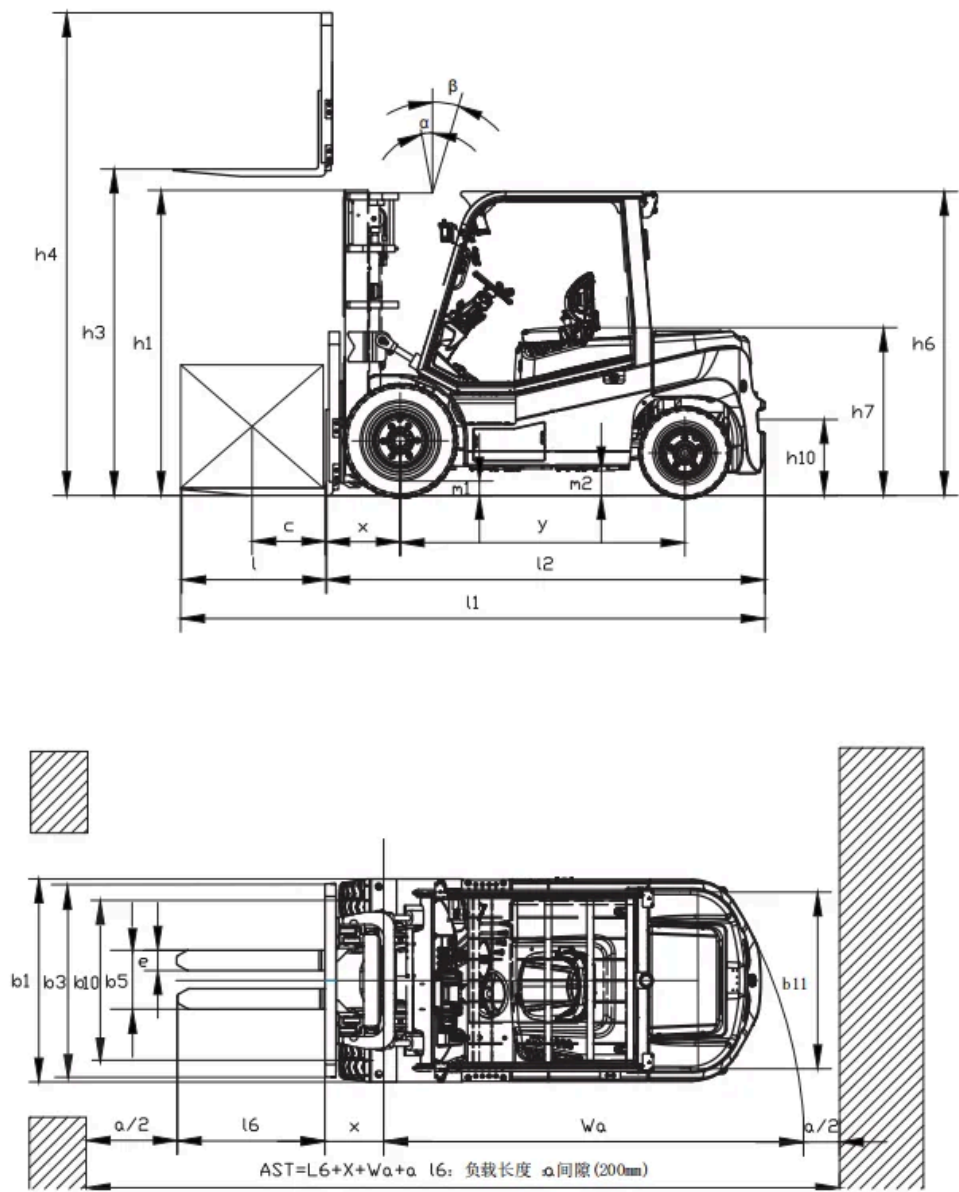
Easy daily checks and modular electric system help reduce downtime and service costs.

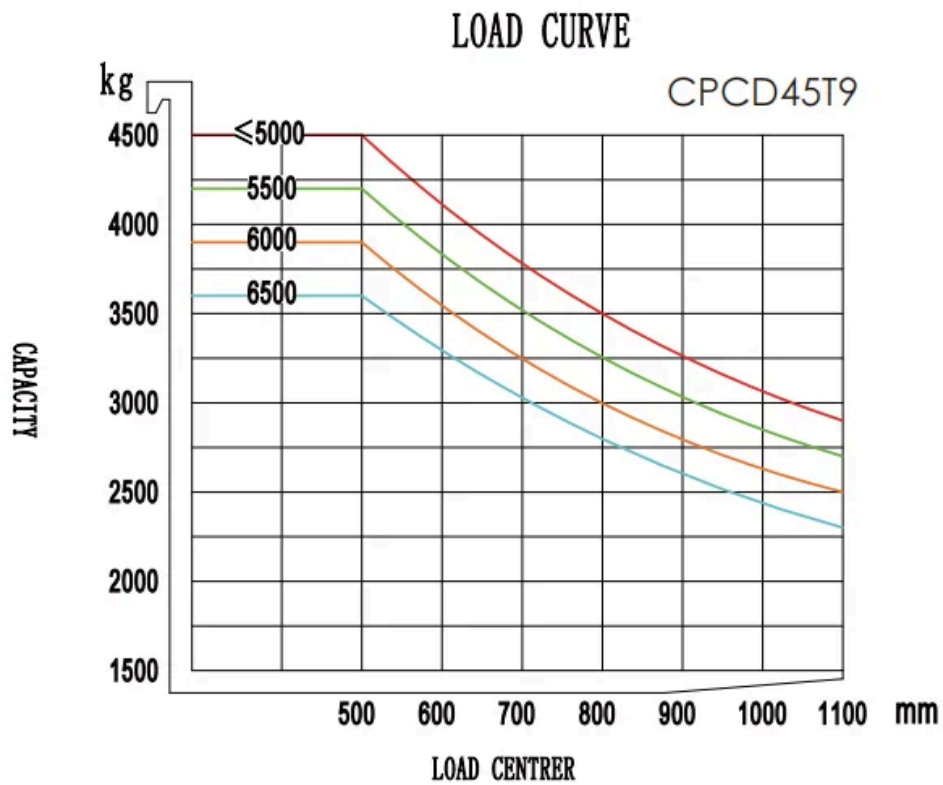
Aluminum plate-fin radiator for optimized cooling system improves fuel efficiency and extends lifetime.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.2	Model designation			CPCD45T9
1.3	Drive			Diesel
1.4	Operator type			Seated
1.5	Load capacity	Q	kg	4500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	545
1.9	Wheelbase		mm	2100
2.1	Service weight		kg	6500
2.2	Axle loading, laden front/rear		kg	9815/1185
2.3	Axle loading, unladen front/rear		kg	2820/3680
3.1	Tyre type			Pneumatic
3.2	Tyre size, front		mm	300-15-20PR
3.3	Tyre size, rear		mm	7.00-12-14PR
3.4	Additional wheels (castor wheels)		mm	2X/2
3.5	Wheels, number front/rear (x=drive wheels)			1179
3.7.1	Tread width, rear	b ₁₁	mm	1190
4.1	Tilt of mast/fork carriage forward/backward		°	6/12
4.10	Height of wheel arms		mm	3240
4.12	Tow coupling height		mm	50×150×1070
4.13	Loading height, unladen			3A
4.14	Stand height, elevated			1380
4.15	Lowered height			150
4.16	Length of loading surface			208
4.17	Overhang			2930
4.2	Retracted mast height	h ₁	mm	2250
4.21	Overall width	b ₁ /b ₂	mm	1495
4.3	Free lift		mm	150
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	4680
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	4880
4.4	Lift height	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	4177
4.6	Initial lift		mm	2250

	SPECIFICATION	REF	UNIT	VALUE
4.7	Height of overhead guard (cabin)		mm	1283.5
4.8	Seat height/standing height		mm	748
4.9	Height of tiller handle in drive position min./max.			4310
5.1	Travel speed, laden/unladen		km/h	25/26
5.2	Lifting speed, laden/unladen		m/s	0.53/0.56
5.3	Lowering speed, laden/unladen		m/s	0.43/0.40
5.5	Drawbar pull, laden/unladen			28/20
5.6	Max. drawbar pull, laden/unladen			29000/NA
5.8	Max. gradeability, laden/unladen		%	Hydraulic
6.1	Drive motor rating S2 60 min		kW	Mitsubishi S6S
6.2	Lift motor rating at S3 15%		kW	52/2300
999	Cylinder count/Displacement		/L	6/4.96
999	Fuel tank capacity		L	90
999	Gear position, front/rear			2/1
999	Max. torque/Speed		Nm/rpm	260/1700
999	Transmission type			Hydraulic





Mast Options

Mast Type	Lift Height (H3, mm)	Mast Lowered Height (H1, mm)	Mast Extended Height, No Backrest (H4, mm)	Mast Extended Height, With Backrest (H4, mm)	Free Lift Height, No Backrest (H2, mm)	Free Lift Height, With Backrest (H2, mm)
2-Standard Mast	3000	2250	3835	4177	150	150
2-Standard Mast	3500	2500	4335	4677	150	150
2-Standard Mast	4000	2750	4835	5177	150	150
2-Standard Mast	4500	3050	5385	5677	150	150
2-Standard Mast	5000	3300	5885	6177	150	150
2-Standard Mast	5500	3600	6435	6677	150	150
2-Standard Mast	6000	3850	6935	7177	150	150
2-Standard Mast	6500	4150	7485	7677	150	150
2-Free Mast	3000	2250		4244	860	1364
2-Free Mast	3500	2500		4744	1110	1614
2-Free Mast	4000	2750		5244		

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)	FREE LIFT HEIGHT, WITH BACKREST (H2, MM)
3-Free Mast	4500	2247	5242	5677	1525	1091
3-Free Mast	5000	2413	5742	6177	1525	1258
3-Free Mast	5500	2580	6242	6677	1859	1425
3-Free Mast	6000	2797	6792	7177	2026	1642
3-Free Mast	6500	2963	7292	7677	2193	1809
3-Free Mast	7000	3130	7792	8177	2360	1976

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	Dimensions of 1070mm - standard fork type Center of Load 500mm) Other length forks Customized attachments
Fork carriage width option	Standard fork carriage width (1380mm) Customized fork carriage width
Seat type	Upgrade mechanical suspension with armrest + headrest + safety belt switch Grammer MSG65-531 mechanical suspension with armrest + safety belt switch
Area warning lamp	No Customized
Buzzer	Yes and not customized
Fire extinguisher	No 2kg fire extinguisher with bracket
OPS system	No and not customized (Manual transmission) Yes and customized (Hydraulic transmission)
USB interface	USB type A (24V QC3.0)
Telematics	Yes and not customized
Rear lamp	LED
Warning lamp	Strobe warning light Rotating warning light Rotating buzzer warning light
Blue lamp	No Rear Front and rear
Cabin	OHG only Basic half cabin Upgrade half cabin Basic Full cabin Upgrade Full cabin
Turn speed control	No and not customized
Hydraulic control	Mechanical lever Customized
Mast lifting and lowering buffer	Lowering Lifting and lowering
Adjustable overspeed alarm	No Yes

ITEM	OPTIONS (optional items marked in yellow)
Reversing Collision Warning System	No Astern radar Astern video Astern radar and astern video
Attachments-fork type	Fork carriage : hook on type fork Hook on type sideshif: hook on type fork Hook on type forkpositioner with sideshift : hook on type fork Forkpositioner with pin type forks
Cigarette lighter socket	No Cigarette lighter socket (12V 5A)
Engine	Mitsubishi S6S Customized
Fog light	No Front fog light
Fork backrest	Yes with hook on type fork carriage Customized
Front combination working light	LED working light, steering light, width light
Mast working light	No Mast working light (two)
Rear combination light	Yes and not customized
Rear grab handle with horn	Yes and not customized
Wheel type	Pneumatic tyres Normal solid Traceless solid