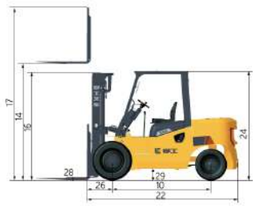
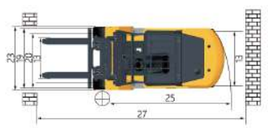
PRODUCT SPECIFICATIONS

General	Model	1			CPCD45	CPCD45	CPCD50	CPCD50
	Power Type	2			Diesel	Diesel	Diesel	Diesel
	Base Capacity	3		kg	4500	4500	5000	5000
	Load Center	4	@ rated load center	mm	500	500	500	500
Weights	Service Weight	5	unloaded	kg	6630	6630	6880	6880
	Axle Load	6	loaded,front/rear	kg	9925/1280	9925/1280	10595/1360	10595/1360
		7	unloaded,front/ rear	kg	3020/3610	3020/3610	22960/3920	2960/3920
Tires	Tire Type	8			Pneumatic	Pneumatic	Pneumatic	Pneumatic
	Wheels	9	front / rear		2 / 2	2 / 2	2 / 2	2 / 2
	Wheelbase	10		mm	2100	2100	2100	2100
	Tire Size	11	front		300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR
		12	rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	Tread Width	13	front/rear	mm	1176/1190	1176/1190	1176/1190	1176/1190
Mast	Max. Fork Height	14	with std 2-stage mast	mm	3000	3000	3000	3000
	Freelift	15	with std 2-stage mast	mm	170	170	170	170
	Height, Upright Lowered	16	with std 2-stage mast	mm	2285	2285	2285	2285
	Height, Upright Extended	17	with std 2-stage mast	mm	4177	4177	4177	4177
	Mast Tilt, Fwd/Back	18	with std 2-stage mast	o	6 / 12	6 / 12	6 / 12	6 / 12
	Carriage	19	width	mm	1424	1424	1424	1424
	Fork Spread	20	minimum/maximum	mm	300/1380	300/1380	300/1380	300/1380
	Fork Dimension	21	T x W x L	mm	50 x 150 x 1070	50 x 150 x 1070	50 x 150 x 1070	50 x 150 x 1070
Chassis	Length to Fork Face	22	with std 2-stage mast	mm	3195	3195	3230	3230
	Overall Width	23		mm	1493	1493	1493	1493
	Overhead Guard Height	24		mm	2350	2350	2350	2350
	Turning Radius	25	minimum outside	mm	2900	2900	2930	2930
	Fork Overhang	26	with std 2-stage mast	mm	548	548	548	548
	Min.right angle stacking aisle width	27	add load length and clearance	mm	4718	4718	4748	4748
	Ground Clearance	28	loaded below mast	mm	165	165	165	165
		29	center of wheelbase	mm	230	230	230	230
Performance	Travel Speed	30	loaded/unloaded	km/h	24/25	24/25	24/25	24/25
	Lift Speed	31	loaded/unloaded	mm/s	500/530	500/530	500/530	500/530
	Lower Speed	32	loaded/unloaded	mm/s	520/480	520/480	520/480	520/480
	Max. Drawbar Pull	33	loaded	kN	29	29	29	29
	Max. Gradeability	34	loaded/unloaded	%	22/ 30	22/ 30	20/ 28	20/ 28
System	Brakes	35	service		Foot/Hyd	Foot/Hyd	Foot/Hyd	Foot/Hyd
		36	parking		Hand /Mech	Hand /Mech	Hand /Mech	Hand /Mech
Internal combustion	Engine	37	manufacturer		Xinchai	Xinchai	Xinchai	Xinchai
		38	model		4D35ZG31-062	4E30YG52-030	4D35ZG31-062	4E30YG52-030
		39	emission compliance		China III	UE V	China III	UE V
		40	cylinders		4	4	4	4
		41	displacement	L	3.47	3	3.47	3
		42	rated power	kw/rpm	60/2200	55.8/2200	60/2200	55.8/2200
		43	max. torque	N.m/rpm	300/1600-1800	320/1200-1400	300/1600-1800	320/1200-1400
		44	fuel tank capacity	L	100	100	100	100





LG-PB-CPCD45/50 -0224EN

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LIUGONG
TOUGH WORLD. TOUGH EQUIPMENT.

Official website Media Platform

LIUGONG

Engine	Xinchai
Fuel	Diesel
Rated load	4500-5000kg
Rated Power	55.8/60 KW/2200rpm

CPCD45/50L

E SERIES INTERNAL COMBUSTION COUNTERBALANCE FORKLIFT

TOUGH WORLD. TOUGH EQUIPMENT.

PRODUCT DESCRIPTION

E series 4.5/5T forklift products are newly developed by Liugong according to the market needs, Newly developed middle tonnage forklift, using a new industrial design and advanced technology, featuring good stability of heavy load, strong power, low fuel consumption, comfortable handling, strong adaptability to working conditions, convenient maintenance, etc., which can be applied to the different working conditions such; wood industry, stone, ceramics, heavy machinery manufacturing, leasing and other industries.

Excellent heavy duty performance
2100mm long wheelbase, high-strength chassis structure, high-strength mast.

Excellent power performance
Powerful engine, engine power upgrade 12% and 39% more torque

High efficiency, low fuel consumption
With a large displacement pump and a load-sensitive hydraulic system, the power loss is reduced, easy lifting at low speeds, strong performance low fuel consumption.

Good maintenanceability
Most of the maintenance can be done by standing on the ground, and the engine hood open angle is large easy to maintain the engine.

Excellent heavy duty performance
2100mm long wheelbase, high-strength chassis structure, high-strength mast.

Higher reliability and durability
Counter weight designed with double air outlets, good heat dissipation, IP67 protection level of electrical connector, excellent waterproof performance.

Ergonomic Cabin
- Ergonomic cab layout, so the driver does not get tired after a long time;
- 300mm small diameter steering wheel, effectively solve the fatigue.

Large-screen LCD instrument
- 3.5-inch large-screen LCD instrument with rich condition information and clear display.

Steering axle
- The steering axle angle is increased, the oil cylinder is thickened, and the ordinary bearing is replaced with tapered roller bearing with high reliability, the turning radius is small, and the tire loss is less.

Double-air outlets design
- The cooling system is reasonably optimized and adopts aluminum tube and fin fan heaters, independent oil heat dissipation, and large double air outlets , which greatly improves the cooling efficiency, improves the reliability of heavy-duty operation, and ensures the stable operation of key components.

STANDARD CONFIGURATION

Power system	Xinchai China Tier III 4D35ZG31 engine
	Middle exhaust
	Tube-fin radiator
	Single air filter
Electrical systems	Maintenance-free battery
	LED lights
	Electric horns
	Backup alarm
Covering Systems	Standard overhead guard
	Standard seat
	Adjustable steering column
	Anti-slip step plates
	Get on handlebar
	Dual side rear mirrors
Hydraulic system	2-Function control valve
	Priority hydraulic power steering
	Lift speed limiting valve
	Tilt self-locking valve
	Explosion-proof valve for lifting oil hoses
	Hydraulic oil suction filter
	Hydraulic oil return filter
Masts/attachments	3.0M Standard 2-stage
	Tilt cylinder angle (6°/12°)
	Fork carriage wide 1.38m
	Forks 1070mm
Chassis	Electric shift
	Drive axle
	Steering axle
	Pneumatic air tires
	Traction pin

Optional Configuration

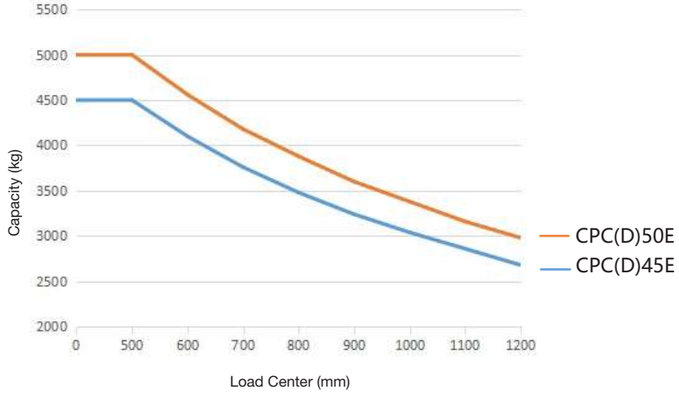
Power system	Xinchai EU / Tier V 4E30YG52
	Elevated air pre-cleaner
	2nd refined air filter
	Oil-bath air filter
Electrical systems	Air conditioning and heating
	OPS system
	Amber warning light
	license plate light
	Rear headlights
	Blue spot light (Front/ Rear)
	USB charging port
	Fire extinguisher
Covering Systems	Overhead guard (Lower 100mm thand standard)
	Enclosed cab
	Half-suspension vinyl seat
	Full-suspension vinyl seat
	Grammer full-suspension vinyl seat
Hydraulic system	3-Function control valve (without hose group)
	3-Function control valve (with 3rd function hose group)
	4-Function control valve (without hose group)
	4-Function control valve (with 3rd & 4th function hose groups)
Masts/attachments	3-6 M Standard 2-stage
	4-6M Full free 3-stage
	Forks 1070mm
	Forks 1220mm
	Forks 1370mm
	Forks 1670mm
	Forks 1820mm
	Forks / 1970mm/ 2120mm/ 2440mm
Chassis	Solid tires
	Non-marking solid tires
	Dual air filled pneumatic tires
	Dual solid tires
	Solid tires with shock holes (Deflector Holes)

MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Mast Tilt Angle (F/B)	Free Lift with Load Backrest	Rated Load Capacity (With Standard Forks)(kg)		Total Weight with Standard Forks (With Standard Forks)(kg)			
	CPC(D)45E/50E-L				CPC(D)45E	CPC(D)50E-L	CPC45E	CPC50E-L	CPCD45E	CPCD50E-L
Standard 2-Stage	2700	2135	6/12	170	4500	5000	6463	6713	6593	6843
	3000	2285	6/12	170	4500	5000	6500	6750	6630	6880
	3500	2535	6/12	170	4500	5000	6566	6816	6696	6946
	4000	2835	6/6	170	4500	5000	6719	6969	6849	7099
	4500	3085	6/6	170	4200	4500	6784	7034	6914	7164
	5000	3335	6/6	170	3600	4000	6848	7098	6978	7228
	5500	3635	6/6	170	3200	3600	6925	7175	7055	7305
	6000	3885	6/6	170	3000	3300	6989	7239	7119	7369

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Mast Tilt Angle (F/B)	Free Lift with Load Backrest	Rated Load Capacity (With Standard Forks)(kg)		Total Weight with Standard Forks (With Standard Forks)(kg)			
	CPC(D)45E/50E-L				CPC(D)45E	CPC(D)50E-L	CPC45E	CPC50E-L	CPCD45E	CPCD50E-L
Standard 2-Stage	2700	2135	6/12	1243	4500	5000	6484	6734	6614	6864
	3000	2285	6/12	1393	4500	5000	6525	6775	6655	6905

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Mast Tilt Angle (F/B)	Free Lift with Load Backrest	Rated Load Capacity (With Standard Forks)(kg)		Total Weight with Standard Forks (With Standard Forks)(kg)			
	CPC(D)45E/50E-L				CPC(D)45E	CPC(D)50E-L	CPC45E	CPC50E-L	CPCD45E	CPCD50E-L
Standard 2-Stage	4000	2115	6/6	1223	4350	4800	6737	6987	6867	7117
	4300	2220	6/6	1328	4150	4400	6778	7028	6908	7158
	4500	2285	6/6	1393	4000	4200	6825	7075	6955	7205
	4800	2385	6/6	1493	3700	3950	6842	7092	6972	7222
	5000	2450	6/6	1558	3400	3800	6868	7118	6998	7248
	5500	2665	6/6	1773	2950	3450	6950	7200	7080	7330
	6000	2845	6/6	1953	2800	3150	7020	7270	7150	7400
	6500	3050	6/6	2158	2500	2800	7096	7346	7226	7476
	7000	3215	6/6	2323	2100	2400	7171	7421	7301	7551



Note:
Vertical axle stands for load capacity while horizontal axle stands for load center, Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down if mast tilt forward or using non-standard forks of loading goods with extra width. Please realize the different load capacity between different load centers according to load chart.