



## X Series Diesel / Gasoline / LPG Counterbalanced Forklift Trucks

with capacities of 4,000 to 5,000kg



E-P Equipment Co., LTD  
Let's grow together...

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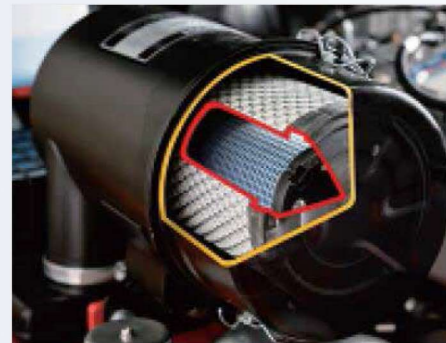
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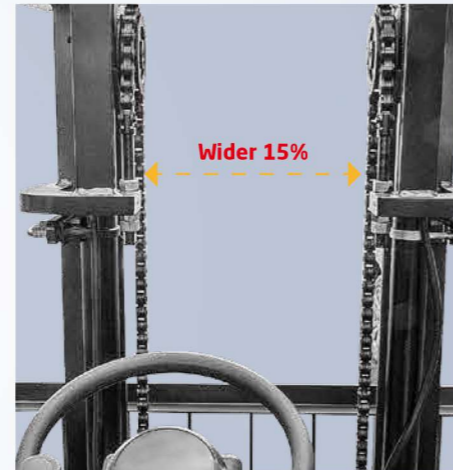
# Comfort

Reduce the caster angle of instrument stand and adopt the integral hood to greatly increase the space underfoot;

The orthodrome of overhead guard fore leg will expand the driving space;



Optimized air intake and exhaust system of full truck, high-capacity exhaust buffer and high-effect intake buffer will reduce the noise of full truck by 3dB and reduce the vibration by 20%.



Adopt the new-type of box iron. Increase the inside width of inner mast and the spacing between lifting cylinders. The lowering of instruments in the driving cab will greatly increase the forward visibility; The rear visibility will also be greatly improved through the optimization design of counterweight.



The design of steering wheel of small diameter and electro-hydraulic system as well as the car-type double-handle combination switch will greatly improve the driving comfort.

## Intelligent management system (option)

Reserved plug of extending function of Intelligent module is on the wire bundles that makes truck management more convenient and rapid.



## Standard Specification

- / Reminder of maintenance
- / LED working light
- / Hydraulic oil filter
- / Electric Flameout
- / Seat with belt
- / Skidproof pedal
- / Air filter
- / Hydraulic oil dipstick
- / Traction device
- / Mast speed limiting valve
- / Full hydraulic power steering
- / Wide view duplex mast
- / Standard forks
- / Waterproof cover on the guard
- / Standard overhead guard
- / Rear combination LED light
- / Panoramic rearview mirror
- / Filf folder
- / Adjustable steering column
- / Pre-heating indicator
- / Engine fuel pressure warning
- / Neutral switch
- / Engine hood spring
- / Dipstick
- / Pneumatic tyres
- / Standard load backrest
- / Horn
- / Fuel gauge
- / LCD display
- / Cable parking brake
- / Tilt cylinder self-locking valve
- / Fork carriage mounting class III ( IV )
- / Timer
- / Load safety valve
- / Charging indicator
- / Water temperature gauge
- / Toolbox
- / Reversing buzzer
- / Return oil filter
- / Hand grip
- / Integrated controller
- / Oil-water separator
- / Engine fault warning
- / Rubber pedal
- / 2nd hydraulic function
- / Transmission oil temperature warning

## Optional Mast

- / Duplex wide view full free mast
- / Trilex wide view full free mast
- / Special duplex wide view mast
- / Wider fork carriage
- / Special forks

## Options

- / Cover of tilt cylinder
- / Dual driving wheel
- / Cabin
- / High-positioned exhaust system
- / Customer painting
- / Cabin heater
- / LED rear working light
- / Hood lock
- / Double heat insulating pad and leather cover
- / Net cover of radiator
- / Solid tyre
- / Non-mark tyre (white/green)
- / Middle-positioned exhaust system
- / Sparkle arrester
- / Suspension seat
- / Fuel tank lock
- / Speed meter
- / Auxiliary hydraulic valve
- / Extinguisher
- / Reversing assist grip with horn button
- / Counter weight net
- / Height of overhead guard
- / Dual air filter
- / Milometer

## Optional Attachments

- / Paper roll clamp
- / Rotating bale clamp
- / Load stabilizer
- / Multi-drum clamp
- / Bale clamp
- / Drum clamp
- / Dumping clamp
- / Crane arm
- / String pole
- / Weigher system
- / Sideshifter
- / Rotating forks
- / Fork extensioner
- / Load release device
- / Carton clamp
- / Push-pull device
- / Bucket
- / Hook
- / Lengthened fork



# X Series Diesel / Gasoline / LPG Counterbalanced Forklift Trucks

Distinguishing mark	HANGCHA GROUP CO., LTD.							
	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9
1.1	Manufacturer	HANGCHA GROUP CO., LTD.						
1.2	Manufacturer's type designation	CPCD40-XRW76	CPCD45-XRW76	CPCD50-XRW76	CPQYD40-XRW57	CPQYD45-XRW57	CPQYD50-XRW57	
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel	Diesel	Gasoline/LPG	Gasoline/LPG	Gasoline/LPG	
1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated	Seated	Seated	Seated	
1.5	Rated capacity/rated load	Q (kg)	4000	4500	5000	4000	4500	5000
1.6	Load centre distance	c (mm)	500	500	500	500	500	500
1.8	Load distance, centre of drive axle to fork	x (mm)	550	550	555	550	550	555
1.9	Wheelbase	y (mm)	2000	2000	2000	2000	2000	2000
2.1	Service Weight	kg	6200	6400	6750	6200	6400	6750
2.2	Axle loading, laden front/rear	kg	8880/1320	9640/1260	10435/1315	8880/1320	9640/1260	10435/1315
2.3	Axle loading, unladen front/rear	kg	2780/3420	2780/3620	2800/3950	2780/3420	2780/3620	2800/3950
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
3.2	Tyre size, front		8.25-15-14PR	300-15-18PR	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR
3.3	Tyre size, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
3.5	Wheels, number front / rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
3.6	Tread, front	b10 (mm)	1160	1190	1190	1160	1190	1190
3.7	Tread, rear	b11 (mm)	1130	1130	1130	1130	1130	1130
4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta(^{\circ})$	6/12	6/12	6/12	6/12	6/12	6/12
4.2	Height, mast lowered	h1 (mm)	2245	2245	2245	2245	2245	2245
4.3	Free lift	h2 (mm)	160	160	160	160	160	160
4.4	Lift	h3 (mm)	3000	3000	3000	3000	3000	3000
4.5	Height, mast extended	h4 (mm)	4170	4170	4365	4170	4170	4365
4.7	Height of overhead guard (cabin)	h6 (mm)	2310(2345)	2310(2345)	2310(2345)	2310(2345)	2310(2345)	2310(2345)
4.8	Seat height relating to SIP	h7 (mm)	1335	1335	1335	1335	1335	1335
4.12	Coupling height	h10 (mm)	510	510	510	510	510	510
4.19	Overall length	l1 (mm)	4180	4200	4245	4180	4200	4245
4.20	Length to face of forks	l2 (mm)	3110	3130	3175	3110	3130	3175
4.21	Overall width	b1 (mm)	1420	1490	1490	1420	1490	1490
4.22	Fork dimensions	s/e/l (mm)	50x122x1070	50x150x1070	50x150x1070	50x122x1070	50x150x1070	50x150x1070
4.23	Fork carriage DIN 15 173 --- ISO 2328, class/type A,B		3/A	3/A	4/A	3/A	3/A	4/A
4.24	Fork-carriage width	b3 (mm)	1350	1350	1350	1350	1350	1350
4.25	Distance between fork-arms	b5 (mm)	310-1200	310-1200	310-1200	310-1200	310-1200	310-1200
4.31	Ground clearance, laden, below mast	m1 (mm)	150	150	150	150	150	150
4.32	Ground clearance, centre of wheelbase	m2 (mm)	230	230	230	230	230	230
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	4450	4470	4535	4450	4470	4535
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	4650	4670	4735	4650	4670	4735
4.35	Turning radius	Wa (mm)	2700	2720	2780	2700	2720	2780
4.36	Internal turning radius	b13 (mm)	845	845	845	845	845	845
5.1	Travel speed, laden/unladen	km/h	24/25	24/25	23.5/25	24/25	24/25	23.5/25
5.2	Lift speed, laden/unladen	m/s	0.46/0.50	0.46/0.50	0.40/0.44	0.46/0.50	0.46/0.50	0.40/0.44
5.3	Lowering speed, laden/unladen	m/s	0.46/0.44	0.46/0.44	0.46/0.44	0.46/0.44	0.46/0.44	0.46/0.44
5.5	Drawbar pull, laden/unladen	N	31640/19070	31640/19070	31640/19070	37200/19070	37200/19070	37200/19070
5.7	Gradeability, laden/unladen	%	25/25	22/24	20/23	30/25	27/24	25/23
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
7.1	Engine manufacturer/type		Mitsubishi S6S	Mitsubishi S6S	Mitsubishi S6S	PSI4.3L	PSI4.3L	PSI4.3L
7.2	Engine power	kW	52	52	52	LPG: 77 Gasoline: 76	LPG: 77 Gasoline: 76	LPG: 77 Gasoline: 76
7.3	Rated speed	r/min	2300	2300	2300	2300	2300	2300
7.4	Number of cylinders/displacement	(-)/(cm <sup>3</sup> )	6/4966	6/4966	6/4966	6/4294	6/4294	6/4294
7.8	Generator	A	35	35	35	70	70	70
7.9	Vehicle electrical system voltage	V	24	24	24	12	12	12
7.10	Battery voltage/nominal capacity	V/Ah	2-12/60	2-12/60	2-12/60	12/60	12/60	12/60
	Rated torque	Nm/r/min	248/1700	248/1700	248/1700	LPG: 332.85/1400 Gasoline: 318/2300	LPG: 332.85/1400 Gasoline: 318/2300	LPG: 332.85/1400 Gasoline: 318/2300
	Transmissions Manufacturer		China	China	China	China	China	China
	Transmissions Type		Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
	Stage FWD/RVS		2/1	2/1	2/1	2/1	2/1	2/1
10.1	Operating pressure for attachments	bar	180	180	180	180	180	180
10.2	Oil volume for attachments	l/min	100	100	100	100	100	100
10.3	Hydraulic Tank - capacity (drain & refill)	liter	80	80	80	80	80	80
10.4	Fuel tank capacity	liter	80	80	80	Lpg: 40 Gasoline: 80	Lpg: 40 Gasoline: 80	Lpg: 40 Gasoline: 80
10.7	Sound pressure level at the driver's seat	dB (A)	88	88	88	88	88	88

## 4.0-5.0t X series mast:(Pneumatic)

Type	Model	Max. fork height	Overall height				Free lift				Front Overhang		Tilt range	Capacity						
			Lowered	Extended		With backrest		Without backrest		With backrest		F/R		Load capacity at 500mm						
				Without	With backrest	Without backrest	With backrest	Without backrest	With backrest	Single tire				Dual tire						
		mm	mm	4/4.5t	5.0t	4/4.5t	5.0t	4/4.5t	5.0t	4/4.5t	5.0t	mm	mm	( <sup>o</sup> )	4t	4.5t	5.0t	4t	4.5t	5.0t
				mm	mm	mm	mm	mm	mm	mm	mm				kg	kg	kg	kg	kg	kg
Wide view mast	XR45/XXRX50M250	2500	1995	3330	3330	3670	3865	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M270	2700	2095	3530	3530	3870	4065	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M300	3000	2245	3830	3830	4170	4365	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M330	3300	2395	4130	4130	4470	4665	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M350	3500	2495	4330	4330	4670	4865	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M360	3600	2545	4430	4430	4770	4965	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M370	3700	2595	4530	4530	4870	5065	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M380	3800	2645	4630	4630	4970	5165	160	160	160	160	550	555	6/12	4000	4500	5000	4000	4500	5000
	XR45/XXRX50M400	4000	2795	4830	4830	5170	5365	160	160	160	160	550	555	6/12	3800	4250	4750	4000	4500	5000
	XR45/XXRX50M430	4300	2960	5130	5130	5470	5665	160	160	160	160	550	555	6/6	3600	4000	4500	3800	4250	4750
	XR45/XXRX50M450	4500	3070	5330	5330	5670	5865	160	160	160	160	550	555	6/6	3400	3800	4250	3600	4050	4550
	XR45/XXRX50M470	4700	3180	5530	5530	5870	6065	160	160	160	160	550	555	6/6	3000	3350	3750	3200	3600	4000
XR45/XXRX50M480	4800	3235	5630	5630	5970	6165	160	160	160	160	550	555	6/6	3000	3350	3750	3200	3600	4000	
XR45/XXRX50M500	5000	3345	5830	5830	6170	6365	160	160	160	160	550	555	6/6	2800	3150	3500	3000	3400	3750	
XR45/XXRX50M550	5500	3620	6330	6330	6670	6865	160	160	160	160	550	555	3/6	2250	2800	2850	2800	3100	3350	
XR45/XXRX50M600	6000	3895	6830	6830	7170	7365	160	160	160	160	550	555	3/6	1950	2500	2550	2600	2800	2950	
XR45/XXRX50U250	2500	1976	3365	3365	3670	3865	1114	1114	809	610	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50U275	2750	2100	3615	3615	3920	4115	1238	1238	933	735	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50U300	3000	2226	3865	3865	4170	4365	1364	1364	1055	860	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50U330	3300	2376	4165	4165	4470	4665	1514	1514	1205	1010	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50U350	3500	2476	4365	4365	4670	4865	1614	1614	1309	1110	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50U360	3600	2526	4465	4465	4770	4965	1664	1664	1359	1160	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50U370	3700	2576	4565	4565	4870	5065	1714	1714	1409	1210	557	562	6/12	4000	4500	5000	4000	4500	5000	
XR45/XXRX50M400	4000	2080	4850	4860	5170	5365	1229	1222	912	715	603	615	6/12	3600	4000	4500	3800	4250	4750	
XR45/XXRX50M430	4300	2180	5155	5160	5470	5665	1329	1322	1012	815	603	615	6/6	3400	3800	4250	3600	4050	4500	
XR45/XXRX50M450	4500	2248	5365	5370	5685	5880	1395	1390	1080											