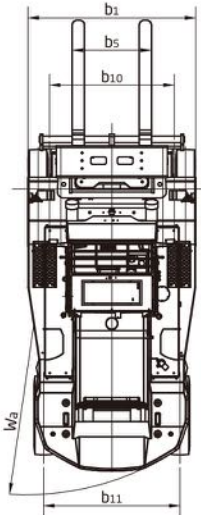
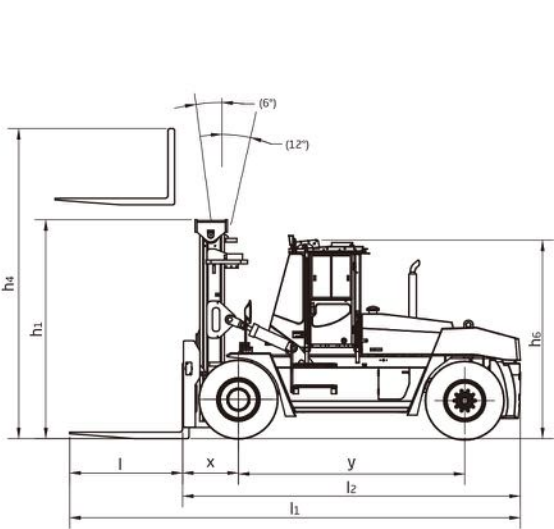
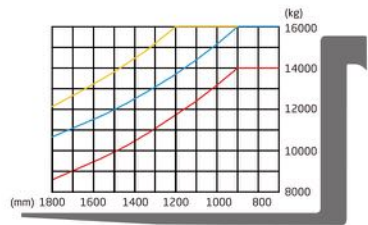


Heavy IC Forklift Truck

Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.							
	1.2	Manufacturer's type designation		CPCD140-W25	CPCD140-W49	CPCD160-W25	CPCD160-W49	CPCD160-AW25	CPCD160-AW49	CPCD180-W25	CPCD180-W49
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	Q (kg)	14000	14000	16000	16000	16000	16000	18000	18000
	1.6	Load centre distance	c (mm)	900	900	900	900	1200	1200	900	900
	1.8	Load distance, centre of drive axle to fork	x (mm)	900	900	900	900	900	900	900	900
	1.9	Wheelbase	y (mm)	3650	3650	3650	3650	3750	3750	3750	3750
Weight	2.1	Service Weight	kg	23100	23100	24600	24600	25400	25400	25300	25300
Wheels, Chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre size, front		12.00-24-20PR							
	3.3	Tyre size, rear		12.00-24-20PR							
	3.5	Wheels, number front rear (x = driven wheels)		4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2
	3.6	Tread, front	b1ø (mm)	2013	2013	2013	2013	2013	2013	2013	2013
Dimensions	3.7	Tread, rear	b11 (mm)	2200	2200	2200	2200	2200	2200	2200	2200
	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h1 (mm)	3500	3500	3500	3500	3500	3500	3500	3500
	4.4	Lift	h3 (mm)	3300	3300	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	5150	5150	5000	5000	5000	5000	5000	5000
	4.7	Height of overhead guard	h6 (mm)	3240	3240	3240	3240	3240	3240	3240	3240
	4.19	Overall length	l1 (mm)	7268	7268	7268	7268	7960	7980	7368	7368
	4.20	Length to face of forks	l2 (mm)	5448	5448	5448	5448	5520	5540	5548	5548
	4.21	Overall width	b1 (mm)	2706	2706	2706	2706	2706	2706	2706	2706
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	1820x200x105	1820x200x105	1820x200x105	1820x200x105	2440x250x105	2440x250x105	1820x250x105	1820x250x105
Performance Data	4.25	Distance between fork-arms	b5 (mm)	820/2400	820/2400	820/2400	820/2400	820/2400	820/2400	820/2400	820/2400
	4.31	Ground clearance, laden, below mast	m1 (mm)	250	250	250	250	250	250	250	250
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	320	320	320	320	320	320	320	320
	4.35	Turning radius	Wα (mm)	4980	4980	4980	4980	5100	5100	5100	5100
	5.1	Travel speed, laden/unladen	km/h	22.5/26	22/25	22.5/26	22/25	22.5/26	22/25	22/25.5	21.5/25
	5.2	Lift speed, laden/unladen	m/s	0.31/0.34	0.30/0.33	0.31/0.34	0.30/0.33	0.31/0.34	0.30/0.33	0.29/0.32	0.28/0.31
	5.5	Drawbar pull, laden/unladen	N	125000/-	125000/-	125000/-	125000/-	125000/-	125000/-	125000/-	125000/-
	5.7	Gradeability, laden/unladen	%	30/-	30/-	20/-	20/-	20/-	20/-	20/-	20/-
	5.10	Service brake		Wet Disc Brake System							
		Parking brake		Spring Applied, Hydraulic release multidisc brake							
Combustion-engine	7.1	Engine manufacturer/type		CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190	CUMMINS/ QSB6.7-C190
		Emission STD		Stage3/Tier3	Stage III B	Stage3/Tier3	Stage III B	Stage3/Tier3	Stage III B	Stage3/Tier3	Stage III B
	7.2	Engine power according to DIN ISO 1585	kw	142	149	142	149	142	149	142	149
	7.3	Rated speed	min	2300	2200	2300	2200	2300	2200	2300	2200
	7.4	Number of cylinders/displacement	(-)/ (cm³)	6/6700	6/6700	6/6700	6/6700	6/6700	6/6700	6/6700	6/6700
	7.10	Battery voltage/nominal capacity	V/Ah	2x12/120							
		Rated torque	N.m/r/min	930/1500	929/1400	930/1500	929/1400	930/1500	929/1400	930/1500	929/1400
		Bore x stroke	mm	107x124							
		Transmissions Manufacturer		GERMAN							
		Transmissions Type		Electric Control Powershift							
Addition data		Stage	FWD/RVS	3/3							
	10.1	Operating pressure for attachments	bar	210							



LOAD CHART



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14.0-18.0t Forklift Mast Specification

Type	Model	Max. fork height	Overall height		Tilt range		Capacity
			Lowered	Extended	FWD	RWD	load capacity at 900mm
				With backrest			Double tire
Wide view mast	GL40MX	mm	mm	mm	(°)	(°)	kg
		3300	3500	5150	6	12	14000
		3600	3650	5450	6	12	14000
		4000	3850	5850	6	12	14000
		4300	4050	6200	6	12	14000
		4500	4150	6400	6	12	14000
		4800	4300	6700	6	6	14000
		5000	4400	6900	6	6	14000
		5500	4700	7450	3	6	12500
		6000	4950	7950	3	6	11500
		6500	5250	8500	3	6	10500
		3000	3500	5000	6	12	16000
		3300	3650	5300	6	12	16000
		3600	3800	5600	6	12	16000
		4000	4000	6000	6	12	16000
Wide view mast	GL60MX	4300	4200	6350	6	12	16000
		4500	4300	6550	6	12	16000
		4800	4450	6850	6	6	16000
		5000	4550	7050	6	6	16000
		5500	4850	7600	3	6	14500
		6000	5100	8100	3	6	13500
		3000	3500	5000	6	12	18000
		3300	3650	5300	6	12	18000
		3600	3800	5600	6	12	18000
		4000	4000	6000	6	12	18000
		4300	4200	6350	6	12	18000
		4500	4300	6550	6	12	18000
		4800	4450	6850	6	6	18000
		5000	4550	7050	6	6	18000
		5500	4850	7600	3	6	16500
Wide view mast	GL80MX	6000	5100	8100	3	6	15500
		6500	5400	8650	3	6	14500
		3000	3500	5000	6	12	18000
		3300	3650	5300	6	12	18000
		3600	3800	5600	6	12	18000
		4000	4000	6000	6	12	18000



Heavy IC Forklift Truck

with capacities of 14,000 to 18,000kg



HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors,equipment,or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.

The World of Hangcha



Heavy IC Forklift Truck

Environment/
Efficiency/
Economy



Power System

/ Cummins turbocharger 6 cylinders engine, high performance, low energy consumption, low speed with high torque, great power reserve.

Hydraulic System

/ The main hydraulic components like the control valves, variable pump are products of Rexroth.

Transmission System

/ ZF micro controller with 3 stage power-shift is to make sure the high reliability. German Kessler heavy load drive axle, with two stage speed adjust, muti-disc wet service brake system , is fully enclosed system with maintenance free.

Steering System

/ Transverse steering axle with full hydraulic steering and sensor system is to make sure easy steering.



Cabin

/ Tilting cabin is easy to daily service, and the wide view mast, high positioned seat provide good front visibility to operator.

Standard Specification

- | | |
|------------------------------|------------------------------------|
| / Heater and air conditioner | / Pre-heat indication |
| / Hour meter | / Wide view duplex mast |
| / Bracket of light | / 4 Sec. multi-way valve |
| / Cabin | / Hydraulic power steering |
| / Traction pin | / Rubber pedal |
| / Headlight | / Dipstick |
| / Horn | / Air cleaner |
| / Mirror | / Adjustable steering wheel |
| / Toolbox | / Tilt cylinder self-locking valve |
| / Forks | / Side roller |
| / Charge indicator | / Mast lift speed limited valve |
| / Combination rear light | |

Options

- / 2.5-6.0m duplex mast
- / Special carriage and backrest
- / Solid tyre
- / Other dimension forks
- / Other attachment
- / Fire extinguisher
- / Suspension seat
- / Dual air cleaner or special air cleaner
- / Rear working light
- / Customer painting

