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Two-Wheel Drive Rough Terrain Forklift

with capacities of 2,500 to 3,500kg

The World of Hangcha



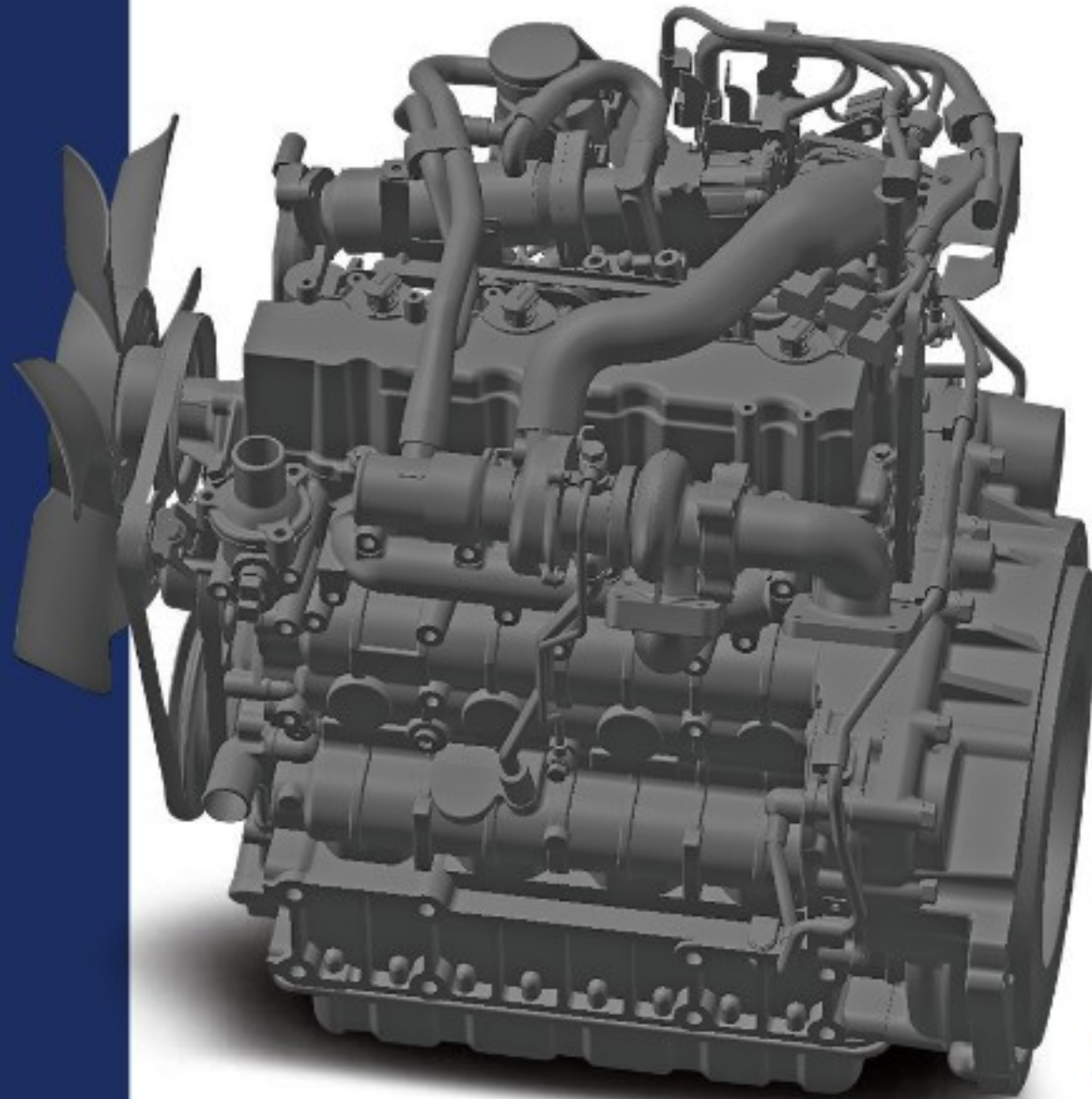
HANGCHA be with you at every stage

Efficient, reliable solutions for your demands

STAGE V & TIER 4F

With Hangcha you can meet all Stage V/Tier 4f emissions standards which provides customer demands for value, innovation and performance. The technologies include common rail fuel systems, diesel oxidation catalysts (DOC) and diesel particulate filters (DPF). Designed and optimised to every engine model, our forklift truck maximises efficiency and reliability.

**Powerful/
Efficient/
Reliable**



KUBOTA



Interactive instrument: The instrument adopts 4.0-inch color LCD display with four interactive buttons, and has one CAN bus communication function. The communication protocol is compatible with SAE J1939 standards.



HANGCHA Forklift with StageV and T4F

No.	Capacity	Series	Manufacturer	Engine	Drive power	Model	Emission Std.	Transmission	Power (kw/rpm)
1	2.5-3.5t	RT	KUBOTA	V2607-CR-TE5B	Diesel	CPD25/30/35-XW98E-RT2	StageV / Tier4 final	CHINA	47.3/2400

Note: RT means 2WD/4WD Rough Terrain forklift

Two-Wheel Drive Rough Terrain Forklift

Hangcha 2.5~3.5t rough terrain forklifts is a tough, compact forklift with a two-wheel drive system. It is based on XF series IC forklift truck. It is world renowned for superior performance, economy and longevity.

Simple/Solid/
Smart



Reliability

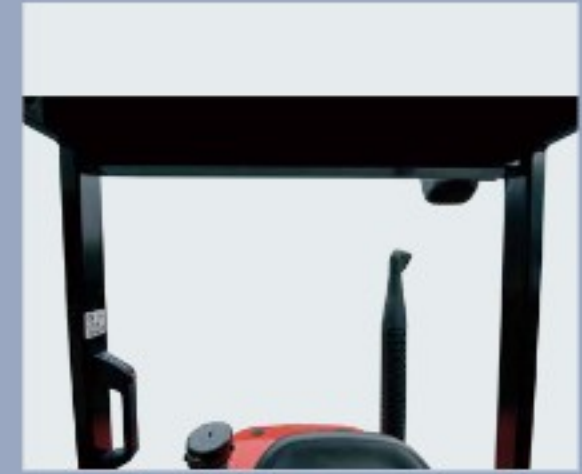
- / Suspension hydraulic transmission with two forward gears and one reverse, providing higher speed and greater gradeability; Drive axle is equipped with wide-base and deep tread tires, enhanced brakes, bearings, differential with automatic locking function, as well as enhanced steering axle assembly providing ultimate traction during inclement weather conditions and rough operating surfaces.
- / Dual air filter\extra capacity combined radiator with serpentine wave and optimized heat dissipation channel enhance the heat dissipation capability to keep engine reliability even in heavy-duty applications. Oscillating steer axle allows either wheel to step over obstacles keeping the truck and load level, high ground clearance offers greater maneuverability and keeps the truck moving in the roughest of applications.
- / The new vehicle controller integrates all electrical components, features excellent durability for temperature\water and vibration, and the oil filter\return oil filter are all work for the most demanding operation.

Environmental friendliness

- / Each model employs a specially developed engine for the optimum balance of power and superior environmental performance, the truck is in compliance with EU and EAP control regulation.
- / The environment friendly materials, such as non-asbestos brake shoe and new type sealing gasket, are adopted entirely to meet environmental safety. And the noise level is reduced too.



The new efficiency lighting system employs LED illuminant and new type reflector to reduce energy consumption, improve significantly illumination performance and prolong work time



Optimized designing structure to offer a good visibility and easy entrance of the pallet



The new designed steering wheel\ new brake system and the easy-to-operate levers provide total handling operation



The easy-to-open hook provides quick access to the engine compartment



The large, spacious cab of our new boasts left and right grab handles with wide-opening doors for easy access

Productivity

/ The new Dynamic load sensing hydraulic steering system contributes to reduce loss of hydraulic and improve energy efficiency.

Easy maintenance

/ The cover on the Panel can be lifted up simply to check the brake fluid.
/ The two-piece design makes the floorboard easy to lift and remove for access to the power train.
/ The fasteners of the radiator cover can be turned easily by hand to enable quick inspections or servicing.

Comfortable operation

/ In developing the rough terrain forklift, comfort and easy operation is always considered, for example, improved vibrating levels, compound engine damper and full floating seat and cabin are all applied. Comfortable also contribute to increased productivity and reduced the noise.
/ The extra foot space is provided to reduce operator fatigue significantly, non-slip step makes getting in and out easy and safe.
/ The new design mast provides broad forward visibility due to the longer distance between inside mast.

Options

/ Cabin
/ Heater
/ Front window
/ L/R mirror
/ Extinguisher
/ Customer painting
/ OPS system
/ Sparkle arrester
/ Purified exhaust system
/ Auxiliary hydraulic valve
/ Front working light
/ Triplex wide view free-lift mast
/ Special forks
/ Weigher system
/ Attachments

Standard specification

/ Suspension transmission
/ Overhead gaurd
/ Suspension seat
/ Return oil filter
/ Big capacity aluminum radiator
/ Air filter
/ Rear working light
/ Warning lamp
/ Cover for tilt cylinder
/ Net cover of radiator
/ Reversing assist grip
/ Wider fork carriage
/ Wider load backrest
/ LED light



Two-Wheel Drive Rough Terrain Forklift

		HANGCHA GROUP CO.,LTD.																			
Distinguishing mark	1.1 Manufacturer	CPD15-XW3E-R1		CPD30-XW3E-R1		CPD45-XW3E-R1		CPD15-XW9E-R1.2		CPD30-XW9E-R1.2		CPD45-XW9E-R1.2		CPD15-XG7ZE-R1.2		CPD30-XG7ZE-R1.2		CPD45-XG7ZE-R1.2			
		Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity	Model	Rated capacity
	1.2 Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel		Diesel		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		Seated		Seated	
	1.5 Rated capacity/ rated load	2500		3000		3500		2500		3000		3500		2500		3000		3500		3500	
	1.6 Load centre distance	c (mm)		500		500		500		500		500		500		500		500		500	
	1.8 Load distance, centre of drive axle to fork	x (mm)		585		600		600		600		600		585		600		600		600	
	1.9 Wheelbase	y (mm)		1880		1880		1880		1880		1880		1880		1880		1880		1880	
	2.1 Service weight	kg		4670		5170		5180		5180		5180		4670		5170		5170		5180	
	2.2 Axle loading, laden front/rear	kg		6050/1170		7080/1040		7800/1080		6050/1170		7080/1040		6050/1170		7080/1040		7800/1080		7800/1080	
	2.3 Axle loading, unladen front/rear	kg		2000/2660		2300/2670		2300/3100		2000/2660		2300/2670		2000/2660		2300/2670		2300/3100		2300/3100	
	3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic		Pneumatic	
	3.2 Tyre size, front	12-16.5-14PR		14-17.5-14PR		14-17.5-14PR		12-16.5-14PR		14-17.5-14PR		14-17.5-14PR		12-16.5-14PR		14-17.5-14PR		14-17.5-14PR		14-17.5-14PR	
	3.3 Tyre size, rear	27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR		27*10-12-1.9PR	
	3.5 Wheels, number front / rear (x = driven wheels)	2x2		2x2		2x2		2x2		2x2		2x2		2x2		2x2		2x2		2x2	
	3.6 Load, front	t (mm)		1250		1250		1250		1250		1250		1250		1250		1250		1250	
	3.7 Load, rear	t (mm)		1205		1205		1205		1205		1205		1205		1205		1205		1205	
	4.1 Tilt of mast/fork carriage forward/backward	°(BT)		10/12		10/12		10/12		10/12		10/12		10/12		10/12		10/12		10/12	
	4.2 Height, mast lowered	h (mm)		2215		2350		2350		2215		2350		2215		2350		2350		2350	
	4.3 Free lift	h (mm)		140		150		150		140		150		140		150		150		150	
	4.4 Lift	h (mm)		3000		3000		3000		3000		3000		3000		3000		3000		3000	
	4.5 Height, mast extended	h (mm)		4122		4260		4260		4122		4260		4122		4260		4260		4260	
	4.7 Height of overhead guard (cabin) Std.	h (mm)		2390		2420		2420		2390		2420		2390		2420		2420		2420	
	4.7 Height of overhead guard (cabin) Opt.	h (mm)		2240		2270		2270		2240		2270		2240		2270		2270		2270	
	4.19 Overall length	L (mm)		4245		4260		4260		4245		4260		4245		4260		4260		4260	
	4.20 Length to face of forks	L (mm)		3025		3040		3040		3025		3040		3025		3040		3040		3040	
	4.21 Overall width	b (mm)		1557		1599		1599		1557		1599		1557		1599		1599		1599	
	4.22 Fork dimensions	s/b/t (mm)		40-122*1270		50-122*1270		50-122*1270		40-122*1270		50-122*1270		40-122*1270		50-122*1270		50-122*1270		50-122*1270	
	4.23 Fork carriage DIN 15 173 — ISO 2328, class/type A/B	B		B		B		B		B		B		B		B		B		B	
	4.24 Fork carriage width	b (mm)		1150		1150		1150		1150		1150		1150		1150		1150		1150	
	4.25 Distance between fork arms	b (mm)		290-1150		290-1150		290-1150		290-1150		290-1150		290-1150		290-1150		290-1150		290-1150	
	4.31 Ground clearance, laden, below mast	m (mm)		240		270		270		240		270		240		270		270		270	
	4.32 Ground clearance, centre of wheelbase	m (mm)		270		300		300		270		300		270		300		300		300	
	4.34 Axle width	A (mm)		4905		4920		4920		4905		4920		4905		4920		4920		4920	
	4.35 Turning radius	W (mm)		2900		2900		2900		2900		2900		2900		2900		2900		2900	
	5.1 Travel speed, laden/unladen	km/h		24/26		24/28		24/28		24/26		24/28		24/26		24/28		24/28		24/28	
	5.2 Lift speed, laden/unladen	m/s		0.470/0.640		0.470/0.510		0.470/0.510		0.470/0.640		0.470/0.510		0.470/0.640		0.470/0.510		0.470/0.510		0.470/0.510	
	5.3 Lowering speed, laden/unladen	m/s		0.500/0.440		0.500/0.450		0.500/0.450		0.500/0.440		0.500/0.450		0.500/0.440		0.500/0.450		0.500/0.450		0.500/0.450	
	5.5 Drawbar pull, laden	N		21000		23000		23000		24000		26000		21000		23000		23000		23000	
	5.7 Gradeability, laden	%		22		22		22		32		30		29		27		27		27	
	5.10 Service brake	Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	
	Parking brake	Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
	7.1 Engine manufacturer/type	YANMAR 4TNB98		YANMAR 4TNB98		YANMAR 4TNB98		KUBOTA V2607 CR T15B		KUBOTA V2607 CR T15B		KUBOTA V2607 CR T15B		XINCHAI 4D35G30-011		XINCHAI 4D35G30-011		XINCHAI 4D35G30-011		XINCHAI 4D35G30-011	
	Emission standard	StageIIA / EPA Tier3		StageIIA / EPA Tier3		StageIIA / EPA Tier3		EU StageIV / Tier 4f		EU StageIV / Tier 4f		EU StageIV / Tier 4f		/		/		/		/	
	7.2 Engine power according to DIN ISO 1585	kW/h/min		42.1/2300		42.1/2300		42.1/2400		42.1/2400		42.1/2400		45/2500		45/2500		45/2500		45/2500	
	7.3 Rated speed	Nm/h/1700		206/1700		206/1700		221.3/1500		221.3/1500		221.3/1500		200/1500/800		200/1500/800		200/1500/800		200/1500/800	
	7.4 Number of cylinders/ displacement	4/3319		4/3319		4/3319		4/3615		4/3615		4/3615		4/3368		4/3368		4/3368		4/3368	
	7.10 Battery voltage/nominal capacity	V/Ah		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90		12/90	
	10.3 Hydraulic Tank - capacity (drain & refill)	liter		65		65		50		50		50		65		65		65		65	
	10.4 Fuel tank capacity	liter		65		65		65		50		50		65		65		65		65	

2.5-3.5t Mast:(pneumatic)

Type	Model	Max.fork height	Overall height						Free lift				Front Overhang		Tilt range		Capacity max height							
			Lowered (mm)		Extended				Without backrest (mm)		With backrest (mm)		(mm)		FWD	DMD	Load Center 500mm							
					Without backrest (mm)		With backrest (mm)						ISO 22915-2				ISO 22915-12							
			mm																					
Wide view mast	RT25/35M300	3000	2215	2350	3282	3993	4122	4260	140	150	140	150	585	600	10	12	2500	3000	1500	2500	3000	3000	1400	1900
	RT25/35M350	3500	2365	2500	4082	4793	4422	4560	140	150	140	150	585	600	10	12	2500	3000	1500	2500	3000	2000	1700	
	RT25/35M370	3700	2465	2600	4282	4993	4622	4760	140	150	140	150	585	600	10	12	2500	3000	1500	2500	2800	2000	1700	
	RT25/35M400	4000	2615	2750	4482	5193	4822	4960	140	150	140	150	585	600	10	12	2500	3000	1500	2500	2600	2000	1700	
	RT25/35M450	4500	2815	2950	4782	5493	5122	5260	140	150	140	150	585	600	10	12	2500	3000	1400	2100	2400	2000	1700	
	RT25/35M500	4900	3065	3200	5082	5793	5422	5560	140	150	140	150	585	600	10	12	2700	2500	1000	1700	2000	2000	2000	
Wide view full free lift mast	RT25/35M400	4000	2115	2300	4860	5605	5322	5260	125	135	993	1031	603	610	10	12	2500	2900	1300	2000	2300	2000	2000	2000
	RT25/35M430	4300	2215	2400	5160	5905	5622	5560	135	145	1093	1131	603	610	10	12	2400	2700	1000	1900	2100	2100	2100	
	RT25/35M450	4500	2365	2450	5460	6205	5922	5860	140	150	1143	1181	603	610	10	12	2700	2500	2900	1700	1900	1900	1900	
	RT25/35M470	4700	2465	2550	5760	6505	6222	6160	150	160	1203	1241	603	610	10	12	2000	2300	2700	1400	1500	1500	1500	
	RT25/35M500	5000	2515	2700	5860	6805	6322	6260	165	175	1393	1431	603	610	6	6	1900	2100	2500	1100	1200	1200	1200	