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Two-Wheel Drive Rough Terrain Forklift

with capacities of 2,500 to 3,500kg

The World of Hangcha



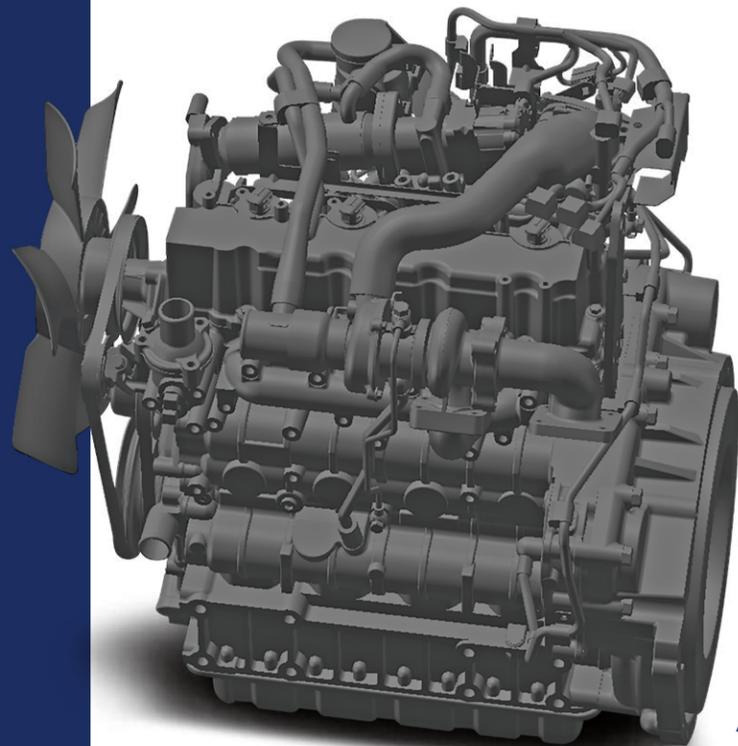
HANGCHA be with you at every stage

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	CPCD25/30/35-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

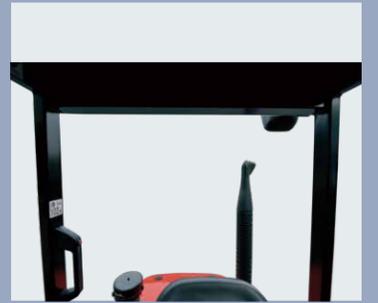
- / Suspension hydraulic transmission with two forward gears and one reverse, providing higher speed and greater gradeability; Drive axle is equipped with wide-base and deep tread tires, enhanced brakes, bearings, differential with automatic locking function, as well as enhanced steering axle assembly 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 III and EAP III 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.

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



Options

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

Two-Wheel Drive Rough Terrain Forklift

		HANGCHA GROUP CO.,LTD.																	
Distinguishing mark	1.1 Manufacturer	CPCD25-XW33E-RT		CPCD30-XW33E-RT		CPCD35-XW33E-RT		CPCD25-XW98E-RT2		CPCD30-XW98E-RT2		CPCD35-XW98E-RT2		CPCD25-XG72E-RT2		CPCD30-XG72E-RT2		CPCD35-XG72E-RT2	
		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	1.2 Drive: electric (battery or mains), diesel, petrol, fuel gas	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.3 Operator type: hand, pedestrian, standing, seated, order-picker	Q (kg)	2500	3000	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
	1.4 Rated capacity/rated load	c (mm)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
	1.5 Load centre distance	x (mm)	585	600	600	585	600	600	585	600	600	585	600	600	585	600	600	600	600
	1.6 Load distance, centre of drive axle to fork	y (mm)	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880
	1.7 Wheelbase	kg	4670	5120	5380	4670	5120	5380	4670	5120	5380	4670	5120	5380	4670	5120	5380	4670	5120
	1.8 Service Weight	kg	6050/1120	7080/1040	7800/1080	6050/1120	7080/1040	7800/1080	6050/1120	7080/1040	7800/1080	6050/1120	7080/1040	7800/1080	6050/1120	7080/1040	7800/1080	6050/1120	7080/1040
	1.9 Axle loading, laden front/rear	kg	2010/2660	2300/2820	2280/3100	2010/2660	2300/2820	2280/3100	2010/2660	2300/2820	2280/3100	2010/2660	2300/2820	2280/3100	2010/2660	2300/2820	2280/3100	2010/2660	2300/2820
	2.0 Axle loading, unladen front/rear																		
	2.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	2.2 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	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	14-17.5-14PR
	2.3 Tyre size, rear		27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR	27*10-12-12PR
	2.4 Wheels, number front / rear (x = driven wheels)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	2.5 Tread, front	b10 (mm)	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250
	2.6 Tread, rear	b11 (mm)	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205	1205
	2.7 Tilt of mast/fork carriage forward/backward	α/β(°)	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12	10/12
	2.8 Height, mast lowered	h1 (mm)	2215	2350	2350	2215	2350	2350	2215	2350	2350	2215	2350	2350	2215	2350	2350	2215	2350
	2.9 Free lift	h2 (mm)	140	150	150	140	150	150	140	150	150	140	150	150	140	150	150	140	150
	2.10 Lift	h3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	2.11 Height, mast extended	h4 (mm)	4122	4269	4269	4122	4269	4269	4122	4269	4269	4122	4269	4269	4122	4269	4269	4122	4269
	2.12 Height of overhead guard (cabin) Std.	h6 (mm)	2390	2420	2420	2390	2420	2420	2390	2420	2420	2390	2420	2420	2390	2420	2420	2390	2420
	2.13 Height of overhead guard (cabin) Opt.	h6 (mm)	2240	2270	2270	2240	2270	2270	2240	2270	2270	2240	2270	2270	2240	2270	2270	2240	2270
	2.14 Overall length	l1 (mm)	4245	4260	4260	4245	4260	4260	4245	4260	4260	4245	4260	4260	4245	4260	4260	4245	4260
	2.15 Length to face of forks	l2 (mm)	3025	3040	3040	3025	3040	3040	3025	3040	3040	3025	3040	3040	3025	3040	3040	3025	3040
	2.16 Overall width	b1 (mm)	1557	1599	1599	1557	1599	1599	1557	1599	1599	1557	1599	1599	1557	1599	1599	1557	1599
	2.17 Fork dimensions	s/e/l (mm)	40*122*1220	50*122*1220	50*122*1220	40*122*1220	50*122*1220	50*122*1220	40*122*1220	50*122*1220	50*122*1220	40*122*1220	50*122*1220	50*122*1220	40*122*1220	50*122*1220	50*122*1220	40*122*1220	50*122*1220
	2.18 Fork carriage DIN 15 173 --- ISO 2328, class/type A,B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
	2.19 Fork-carriage width	b3 (mm)	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
	2.20 Distance between fork-arms	b5 (mm)	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150	290-1150
	2.21 Ground clearance, laden, below mast	m1 (mm)	240	270	270	240	270	270	240	270	270	240	270	270	240	270	270	240	270
	2.22 Ground clearance, centre of wheelbase	m2 (mm)	270	300	300	270	300	300	270	300	300	270	300	300	270	300	300	270	300
	2.23 Aisle width	Ast (mm)	4905	4920	4920	4905	4920	4920	4905	4920	4920	4905	4920	4920	4905	4920	4920	4905	4920
	2.24 Turning radius	Wa (mm)	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900
	2.25 Travel speed, laden/unladen	km/h	24/26	26/28	26/28	24/26	26/28	26/28	24/26	26/28	26/28	24/26	26/28	26/28	24/26	26/28	26/28	24/26	26/28
	2.26 Lift speed, laden/unladen	m/s	0.620/0.640	0.490/0.510	0.430/0.510	0.620/0.640	0.490/0.510	0.470/0.510	0.450/0.510	0.470/0.510	0.450/0.510	0.620/0.640	0.490/0.510	0.430/0.510	0.490/0.510	0.430/0.510	0.430/0.510	0.490/0.510	0.430/0.510
	2.27 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	0.500/0.450	0.500/0.440	0.500/0.450	0.500/0.450	0.500/0.440	0.500/0.450	0.500/0.450	0.500/0.440	0.500/0.450	0.500/0.450	0.500/0.440	0.500/0.450
	2.28 Drawbar pull, laden	N	21000	22000	23000	21000	22000	23000	21000	22000	23000	21000	22000	23000	21000	22000	23000	21000	23000
	2.29 Gradeability, laden	%	27	22	22	32	30	29	27	22	22	27	22	22	27	22	22	27	22
	2.30 Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	2.31 Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
	2.32 Engine manufacturer/type		YANMAR 4TNE98	YANMAR 4TNE98	YANMAR 4TNE98	KUBOTA V2607-CR-TE5B	XINCHAI 4D32XG30-011												
	2.33 Emission standard		StageIIIA / EPA Tier3	StageIIIA / EPA Tier3	StageIIIA / EPA Tier3	EU StageV / Tier 4f													
	2.34 Engine power according to DIN ISO 1585	kw/r/min	42.1/2300	42.1/2300	42.1/2300	47.3/2400	47.3/2400	47.3/2400	45/2500	45/2500	45/2500	45/2500	45/2500	45/2500	45/2500	45/2500	45/2500	45/2500	45/2500
	2.35 Rated speed	Nm/r/min	206/1700	206/1700	206/1700	221.7/1500	221.7/1500	221.7/1500	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800	200/1500-1800
	2.36 Number of cylinders/displacement	(-)/cm ³	4/3319	4/3319	4/3319	4/2615	4/2615	4/2615	4/3168	4/3168	4/3168	4/3168	4/3168	4/3168	4/3168	4/3168	4/3168	4/3168	4/3168
	2.37 Battery voltage/nominal capacity	V/Ah	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/90
	2.38 Hydraulic Tank - capacity (drain & refill)	liter	65	65	65	50	50	50	50	50	50	65	65	65	65	65	65	65	65
	2.39 Fuel tank capacity	liter	65	65	65	50	50	50	50	50	50	65	65	65	65	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							