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Four-Wheel Drive Rough Terrain Forklift

35

HANG

with capacities of 2,500 to 3,500kg



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ANCH

CONCEPT

The multipurpose concept refers to the capability of the forklift truck to work in many different areas, with a great performance no matter how hard the conditions are.

We studied all the specifications of the best forklifts in the world, specialized in industrial and rough terrain types, determining the characteristics that makes a forklift work well in an industrial environment. After that, we combined such information, to prepare the basis of the design of our product.



INTRODUCTION

Hangcha 2.5~3.5t 4W rough terrain forklifts is a tough, compact forklift with a two-wheel drive system. It is based on two-wheel drive rough terrain forklfit, adopt CUMMINS and YANMAR diesel engine. It is world renowned for superior performance, economy and longevity.

6 reasons choose Four-Wheel Drive Rough Terrain Forklift

- **RELIABILITY**
- **PRODUCTIVITY**
- **ENVIRONMENTAL FRIENDLINESS**
- **COMFORTABLE OPERATION**
- **EASY MAINTENANCE**
- HIGH PERFORMANCE





RELIABILITY

The full-floating hydraulic transmission gearbox, with 2WD and 4WD switch function, can provide higher running speed and stronger gradeability;





Higher specification fork mounting level-3B, more weight can be loaded.

Wide-base deep tread tyres



Rear tyre:10.0/75-15.3

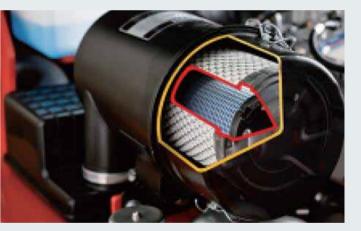


Oscillating steer axle allows either wheel to step over obstacles keeping the truck and load level.

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.

The differential is specifically designed for rough terrain and features manual differential lock providing ultimate traction during inclement weather conditions and rough operating surfaces, it differential lock prevents power loose when one wheel spins.







PRODUCTIVITY



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



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

ENVIRONMENTAL FRIENDLINESS



CUMMINS OSF2.8

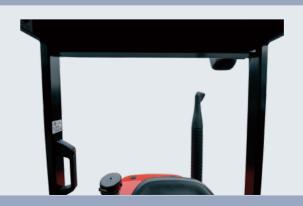
COMFORTABLE **OPERATION**

In developing the rough terrain improved vibrating levels, compound engine damper and full floating seat and cabin are

increased productivity and reduced the noise.







A lineup of powerful and clean engines and environment friendly materials help to reduce the output of undesirable substances over the lifetime of the truck, while creating a cleaner work environment.

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.







EASY MAINTENANCE



Newly-developed LCD instrument has more comprehensive functions and more stable performance and entirely displays the full truck state, fault code and other important information, which can make the operator more intuitively and conveniently have a better knowledge of truck state and make the maintenance conveniently.



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

- / 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.



Adoption of new generation integrated electric box makes maintenance and repair convenient, layout becomes more reasonable and with better water-proof performance.



Wet brake offers maximum service life for your brake system.



FOUR-WHEEL DRIVE ROUGH TERRAIN FORKLIFT

HIGH PERFORMANCE



Maneuverability

The distance to ground is 270mm for 3.0t, it offers greater maneuverability and keep the truck moving in the roughest of applications, and yet we keep a very low center of gravity, by using a distributed weight in the forklift, giving it an excellent stability.



Three forward gears

Suspension hydraulic transmission with three forward gears, top speed reach 26km/h.

YANMAR 4TNE98

Model:4TNE98(EulII/EPAIII) Rated output:42.1kw/2300rpm Rated torque:196N.m/1700rpm NO.of cylinder:4 Displacement:3.319L



The transmission system gets the maximum performance from the engine without reaching high revolutions, which permits fuel saving, noise level reduction and engine life increase.



Standard specification

- / Suspension transmission
 / Differential lock
 / 2-wheel drive、4-wheel drive system
 / Suspension seat
 / Return oil filter
- / Big capacity aluminum radiator
- / Air filter

/ Rear working light
/ Warning lamp
/ Cover for tilt cylinder
/ Reversing assist grip
/ Wider fork carriage
/ Wider load backrest
/ LED light

/ Purified exhaust system

/ Auxiliary hydraulic valve

/ Triplex wide view free-lift mast

/ Front working light

/ Special forks

/ Attachments

/ Weigher system

/ Net cover of radiator

P	ti	0	n	S	

- / Cabin
- / Heater
- / Front window
- / L/R mirror
- / Extinguisher/ Customer painting
- / OPS system
- / UPS system / Sparkle arrester

	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.								
ark	1.2	Manufacturer's type designation		CPCD25-XW33C-RT4	CPCD30-XW33C-RT4	CPCD35-XW33C-RT4	CPCD25-XW43C-RT4	CPCD30-XW43C-RT4				
E	1.3			Diesel	Diesel	Diesel	Diesel	Diesel				
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	<u> </u>	Tilt of mast/fork carriage forward/backward										
	<u> </u>	Height, mast lowered	. ,									
	<u> </u>	Free lift	. ,	140	145	145	140	145				
		Lift	h3 (mm)	3000	3000	3000	3000	3000				
	4.5	Height, mast extended	h4 (mm)	4122	4142	4142	4122	4142				
	4.7	Height of overhead guard (cabin)	h6 (mm)	2390	2420	2420	2390	2420				
2	4.19	Overall length	l1 (mm)	4305	4320	4320	4305	4320				
imension	4.20	Length to face of forks	Iz (mm)	3085	3100	3100	3085	3100				
	4.21	Overall width	b1(mm)	1557	1599	1599	1557	1599				
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	40×122×1220	50×122×1220	50×122×1220	50×122×1220	50×122×1220				
	4.23	Fork carriage DIN 15 173 ISO 2328, class/type A,B		В	В	В	В	В				
	4.24	Fork-carriage width	b₃ (mm)	1150	1150	1150	1150	1150				
	4.25	Distance between fork-arms	bs (mm)	290-1150	290-1150	290-1150	290-1150	290-1150				
	4.31	Ground clearance, laden, below mast	m1 (mm)	240	270	270	240	270				
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	260	290	290	260	290				
	4.34	Aisle width	Ast (mm)	5305	5320	5320	5305	5320				
	4.35	Turning radius	Wa (mm)	3300	3300	3300						
	5.1		km/h									
a	Total Manufacture's type designation CPCD25 XW33C-RT4 CPCD30-XW33C-RT4 CPCD30-XW32C-RT4 CPCD30-XW32C-RT4 CPCD30-XW32C-RT4 CPCD30-XW32C-R											
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Pe	-		y(m) 1880 1880 1880 1880 1880 kg 61901160 7200/140 79001200 6190/160 kg 61907160 7200/140 79001200 6190/160 kg 2130/720 2340/3000 2300/3300 2130/720 umatic, polyurethane Pneumatic Pneumatic Pneumatic Pneumatic 12-16.514PR 14-17.514PR 14-17.514PR 10.075-15.3-14PR 10.12 10.12 10.12 10.12 10.12 10.12 10.12 10.12 10.12 10.12 10.12 </td <td></td> <td></td>									
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Addition data												
PA	10.4	ruei tank capacity	liter	bU	00 00 00							

2.5-3.5t Mast:(pneumatic)

Туре	Model	Max.fork height	Overall height					Free lift				Front Overhang		Tilt range		
			Lowered (mm)		Extended			Without backrest With		With b	ackrest	(mm)		FWD	BWD	
		Ū			Without backrest (mm)		With backrest (mm)		(mm)		(mm)					
		mm	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t	(°)	(°)
	RTE25/35M300	3000	2215	2350	3782	3993	4122	4142	140	145	140	145	585	600	10	12
view	RTE25/35M330	3300	2365	2500	4082	4293	4422	4442	140	145	140	145	585	600	10	12
	RTE25/35M350	3500	2465	2600	4282	4493	4622	4642	140	145	140	145	585	600	10	12
Wide	RTE25/35M370	3700	2615	2700	4482	4693	4822	4842	140	145	140	145	585	600	10	12
	RTE25/35M400	4000	2815	2950	4782	4993	5122	5142	140	145	140	145	585	600	10	12
	RTE25/35N400	4000	2115	2300	4860	5025	5122	5269	1255	1275	993	1031	603	618	10	12
	RTE25/35N430	4300	2215	2400	5160	5325	5422	5569	1355	1375	1093	1131	603	618	10	12
view free ¢ mast	RTE25/35N450	4500	2265	2450	5360	5525	5622	5769	1405	1425	1143	1181	603	618	10	12
Wide view full free triplex mast	RTE25/35N470	4700	2365	2550	5560	5725	5822	5969	1505	1525	1243	1281	603	618	10	12
Mide full : tripley	RTE25/35N500	5000	2515	2700	5860	6025	6122	6269	1655	1675	1393	1431	603	618	6	6
	RTE25/35N550	5500	2715	2900	6360	6525	6622	6769	1855	1875	1593	1631	603	618	6	6
	RTE25/35N600	6000	2965	3150	6860	7025	7122	7269	2105	2125	1843	1881	603	618	6	6