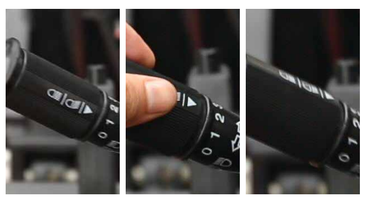
FOUR-WHEEL DRIVE ROUGH TERRAIN FORKLIFT

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(EuIII/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

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
- / Net cover of radiator

FOUR-WHEEL DRIVE ROUGH TERRAIN FORKLIFT SPECIFICATION:

				HANGCHA GROUP CO.,LTD.				
Distinguishing mark	1.1	Manufacturer						
	1.2	Manufacturer's type designation		CPCD25-XW33C-RT4	CPCD30-XW33C-RT4	CPCD35-XW33C-RT4	CPCD25-XW43C-RT4	CPCD30-XW43C-RT4
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel	Diesel	Diesel
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load	Q (kg)	2500	3000	3500	2500	3000
	1.6	Load centre distance	c (mm)	500	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	585	600	600	585	600
	1.9	Wheelbase	y (mm)	1880	1880	1880	1880	1880
Weight	2.1	Service Weight	kg	4850	5340	5600	4850	5340
	2.2	Axle loading, laden front/rear	kg	6190/1160	7200/1140	7900/1200	6190/1160	7200/1140
	2.3	Axle loading, unladen front/rear	kg	2130/2720	2340/3000	2300/3300	2130/2720	2340/3000
Tyres,chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		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
	3.3	Tyre size, rear		10.0/75-15.3-14PR	10.0/75-15.3-14PR	10.0/75-15.3-14PR	10.0/75-15.3-14PR	10.0/75-15.3-14PR
	3.5	Wheels, number front / rear (x = driven wheels)		2x/2x	2x/2x	2x/2x	2x/2x	2x/2x
	3.6	Tread, front	b_{10} (mm)	1250	1250	1250	1250	1250
	3.7	Tread, rear	b_{11} (mm)	1190	1190	1190	1190	1190
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	10/12	10/12	10/12	10/12	10/12
	4.2	Height, mast lowered	h_1 (mm)	2215	2350	2350	2215	2350
	4.3	Free lift	h_2 (mm)	140	145	145	140	145
	4.4	Lift	h_3 (mm)	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h_4 (mm)	4122	4142	4142	4122	4142
	4.7	Height of overhead guard (cabin)	h_6 (mm)	2390	2420	2420	2390	2420
	4.19	Overall length	l_1 (mm)	4305	4320	4320	4305	4320
	4.20	Length to face of forks	l_2 (mm)	3085	3100	3100	3085	3100
	4.21	Overall width	b_1(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	40×122×1220	50×122×1220
	4.23	Fork carriage DIN 15 173 --- ISO 2328, class/type A,B		B	B	B	B	B
	4.24	Fork-carriage width	b_3 (mm)	1150	1150	1150	1150	1150
	4.25	Distance between fork-arms	b_5 (mm)	290-1150	290-1150	290-1150	290-1150	290-1150
	4.31	Ground clearance, laden, below mast	m_1 (mm)	240	270	270	240	270
	4.32	Ground clearance, centre of wheelbase	m_2 (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	3300	3300
Performance data	5.1	Travel speed, laden/unladen	km/h	24/26	24/26	24/26	23/25	23/25
	5.2	Lift speed, laden	m/s	0.62/0.64	0.49/0.51	0.43/0.51	0.62/0.64	0.49/0.51
	5.3	Lowering speed, laden	m/s	0.5/0.44	0.5/0.45	0.5/0.45	0.5/0.44	0.5/0.45
	5.5	Drawbar pull, laden	N	40000	45000	45000	40000	43000
	5.7	Gradeability, laden	%	58	55	52	52	46
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
		Parking brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Combustion-engine	7.1	Engine manufacturer/type		YANMAR 4TNE98	YANMAR 4TNE98	YANMAR 4TNE98	CUMMINS QSF2.8t3NA49	
	7.2	Engine power according to DIN ISO 1585	kw/r/min	42.1/2300	42.1/2300	42.1/2300	36.5/2500	
	7.3	Rated speed	N·m/r/min	196/1700	196/1700	196/1700	186/1500	
	7.4	Number of cylinders/displacement	(-) / (cm^3)	4/3319	4/3319	4/3319	4/2800	
	7.10	Battery voltage/nominal capacity	V/Ah	12/90	12/90	12/90	12/90	
Addition data	10.3	Hydraulic Tank - capacity (drain & refill)	liter	60	60	60	60	
	10.4	Fuel tank capacity	liter	60	60	60	60	

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	BWD	Load Center 500mm						
					Without backrest (mm)		With backrest (mm)										ISO 22915-2 Counterbalanced trucks with mast			ISO 22915-13 Rough-terrain trucks with mast			
		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	(°)	(°)	2.5t	3t	3.5t	2.5t	3t	3.5t
Wide view mast	RTE25/35M300	3000	2215	2350	3782	3993	4122	4142	140	145	140	145	585	600	10	12	2500	3000	3500	2500	3000	3500
	RTE25/35M330	3300	2365	2500	4082	4293	4422	4442	140	145	140	145	585	600	10	12	2500	3000	3500	2500	3000	3400
	RTE25/35M350	3500	2465	2600	4282	4493	4622	4642	140	145	140	145	585	600	10	12	2500	3000	3500	2500	2800	3200
	RTE25/35M370	3700	2615	2700	4482	4693	4822	4842	140	145	140	145	585	600	10	12	2500	3000	3500	2500	2600	2800
	RTE25/35M400	4000	2815	2950	4782	4993	5122	5142	140	145	140	145	585	600	10	12	2500	3000	3400	2100	2400	2500
Wide view full free triplex mast	RTE25/35N400	4000	2115	2300	4860	5025	5122	5269	1255	1275	993	1031	603	618	10	12	2500	2900	3300	2000	2300	2400
	RTE25/35N430	4300	2215	2400	5160	5325	5422	5569	1355	1375	1093	1131	603	618	10	12	2400	2700	3000	1900	2100	2200
	RTE25/35N450	4500	2265	2450	5360	5525	5622	5769	1405	1425	1143	1181	603	618	10	12	2200	2500	2900	1700	1900	1900
	RTE25/35N470	4700	2365	2550	5560	5725	5822	5969	1505	1525	1243	1281	603	618	10	12	2000	2300	2700	1400	1500	1500
	RTE25/35N500	5000	2515	2700	5860	6025	6122	6269	1655	1675	1393	1431	603	618	6	6	1900	2100	2500	1100	1200	1200
	RTE25/35N550	5500	2715	2900	6360	6525	6622	6769	1855	1875	1593	1631	603	618	6	6	1500	1900	2300	800	900	900
	RTE25/35N600	6000	2965	3150	6860	7025	7122	7269	2105	2125	1843	1881	603	618	6	6	1200	1600	1900	600	700	700