

# FOUR-WHEEL DRIVE ROUGH TERRAIN FORKLIFT SPECIFICATION:

Distinguishing mark				HANGCHA GROUP CO.,LTD.				
	1.1	Manufacturer		CPCD25-Xw33C-RT4	CPCD30-Xw33C-RT4	CPCD35-Xw33C-RT4	CPCD25-Xw43C-RT4	CPCD30-Xw43C-RT4
	1.2	Manufacturer's type designation						
	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	b10 (mm)	1250	1250	1250	1250	1250
	3.7	Tread, rear	b11 (mm)	1190	1190	1190	1190	1190
		3.8	Wheels, number front / rear (x = driven wheels)		2x/2x	2x/2x	2x/2x	2x/2x
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta(^{\circ})$	10/12	10/12	10/12	10/12	10/12
	4.2	Height, mast lowered	h1 (mm)	2215	2350	2350	2215	2350
	4.3	Free lift	h2 (mm)	140	145	145	140	145
	4.4	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
	4.19	Overall length	l1 (mm)	4305	4320	4320	4305	4320
	4.20	Length to face of forks	l2 (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	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	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	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 <sup>3</sup> )	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	
			Lowered (mm)		Extended				Without backrest		With backrest		(mm)		FWD	BWD
			2.5t	3/3.5t	Without backrest (mm)	With backrest (mm)	2.5t	3/3.5t	2.5t	3/3.5t	2.5t	3/3.5t				
Wide view mast	RTE25/35M300	3000	2215	2350	3782	3993	4122	4142	140	145	140	145	585	600	10	12
	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
	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
Wide view full free triplex mast	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
	RTE25/35N450	4500	2265	2450	5360	5525	5622	5769	1405	1425	1143	1181	603	618	10	12
	RTE25/35N470	4700	2365	2550	5560	5725	5822	5969	1505	1525	1243	1281	603	618	10	12
	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	