Introduction

/ For more than 30 years, HANGCHA GROUP CO., LTD. Has played a leading role in the manufacture and production of Chinese forklift industry . We constantly strive to develop and incorporate the latest advances in forklift design and technology to ensure that our products provide an optimum level of performance, all the time. Our new generation R series of forklifts truly exemplifies this commitment to excellence.

Options

/ 2.0-4.5m duplex mast
/ 2.5-4.0m full free duplex mast
/ 4.3-6.5m triplex mast
/ Special carriage and backrest
/ Other dimension forks
/ Dual drive wheel with fender
/ Solid tyre
/ Non-marking tyre(white,green)
/ Cabin
/ Heater and air conditioner
/ Fire extinguisher
/ Semi-suspension seat or full-suspension seat
/ Dual air cleaner or special air cleaner
/ Rear working light
/ Customer painting
/ Auxiliary hydraulic valve modules
/ High-mounted exhaust system
/ Middle-mounted exhaust system
/ Spark arrester
/ Purified exhaust system
/ Radiator screen
/ Sideshifter
/ Integrated sideshifter
/ Other attachment

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ISO14001
ISO14001:2004

ISO9001
ISO9001:2008

HANGCHA trucksconform to the European Safety Requirements.

HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors,equipment,or specifications detailed in this brochure, or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.

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R Series Diesel Counterbalanced Trucks

with capacities of 4,000 to 5,000kg

The World of Hangcha

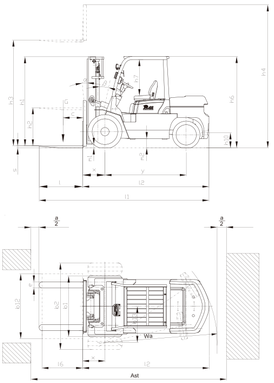
R series 4.0-Mini 5t forklift specification

				HANGCHA GROUP CO.,LTD.											
Distinguishing mark	1.1	Manufacturer													
	1.2	Manufacturer's type designation		CPCD40-RW5	CPCD40-RW19	CPCD40-RW35	CPCD40-RG24	CPCD45-RW5	CPCD45-RW19	CPCD45-RW35	CPCD45-RG24	CPCD50-RXW5	CPCD50-RXW19	CPCD50-RXW35	CPCD50-RXG24
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	1.5	Rated capacity/rated load	Q (kg)	4000	4000	4000	4000	4500	4500	4500	4500	5000	5000	5000	5000
	1.6	Load centre distance	c (mm)	500	500	500	500	500	500	500	500	500	500	500	500
	1.8	Load distance, centre of drive axle to fork	x (mm)	550	550	550	550	550	550	550	550	555	555	555	555
		Rear overhang	mm	520	520	520	520	560	560	560	560	560	560	560	560
	1.9	Wheelbase	y (mm)	2000	2000	2000	2000	2000	2000	2000	2000	2100	2100	2100	2100
Weight	2.1	Service Weight	kg	6300	6300	6300	6300	6500	6500	6500	6500	6850	6850	6850	6850
	2.2	Axle loading, laden front/rear	kg	9000/1300	9000/1300	9000/1300	9000/1300	9625/1375	9625/1375	9625/1375	9625/1375	10450/1400	10450/1400	10450/1400	10450/1400
	2.3	Axle loading, unladen front/rear	kg	2800/3500	2800/3500	2800/3500	2800/3500	2820/3680	2820/3680	2820/3680	2820/3680	3000/3850	3000/3850	3000/3850	3000/3850
Tyres, chassis	3.2	Tyre size, front		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR
	3.3	Tyre size, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.6	Tread, front	b10 (mm)	1160	1160	1160	1160	1190	1190	1190	1190	1190	1190	1190	1190
	3.7	Tread, rear	b11 (mm)	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β(°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h1 (mm)	2245	2245	2245	2245	2245	2245	2245	2245	2245	2245	2245	2245
	4.3	Free lift	h2 (mm)	160	160	160	160	160	160	160	160	160	160	160	160
	4.4	Lift	h3 (mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	4.5	Height, mast extended	h4 (mm)	4170	4170	4170	4170	4170	4170	4170	4170	4365	4365	4365	4365
	4.7	Height of overhead guard （cabin）	h6 (mm)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)	2250(2290*)
	4.20	Length to face of forks	l2 (mm)	3070	3070	3070	3070	3110	3110	3110	3110	3215	3215	3215	3215
	4.21	Overall width	b1(mm)	1395	1395	1395	1395	1490	1490	1490	1490	1490	1490	1490	1490
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	1070x122x50	1070x122x50	1070x122x50	1070x122x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50
	4.31	Ground clearance, laden, below mast	m1 (mm)	170	170	170	170	170	170	170	170	170	170	170	170
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	230	230	230	230	230	230	230	230	230	230	230	230
	4.35	Turning radius	Wa (mm)	2690	2690	2690	2690	2720	2720	2720	2720	2810	2810	2810	2810
		"Min. right angle stacking aisle width(Add load length and clearance)"	mm	3240	3240	3240	3240	3270	3270	3270	3270	3365	3365	3365	3365
Performance data	5.1	Travel speed, laden/unladen	km/h	/25	/26	/24	/26	/25	/26	/24	/25	/25	/26	/24	/26
	5.2	Lift speed, laden/unladen	m/s	0.440/-	0.460/-	0.430/-	0.440/-	0.440/-	0.460/-	0.430/-	0.440/-	0.380/-	0.400/-	0.430/-	0.380/-
	5.3	Lowering speed, laden/unladen	m/s	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-
	5.5	Drawbar pull, laden/unladen	N	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-	35000/-	37200/-
	5.7	Gradeability, laden/unladen	%	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-
Combustion-engine	7.1	Engine manufacturer/type		CUMMINS/B3.3T	UD/TD42	PERKINS/1104D-44	LUOTUO/LR4B3-22	CUMMINS/B3.3T	UD/TD42	PERKINS/1104D-44	LUOTUO/LR4B3-22	CUMMINS/B3.3T	UD/TD42	PERKINS/1104D-44	LUOTUO/LR4B3-22
		Emission STD		Stage2/Tier2		Stage 3		Stage2/Tier2		Stage 3		Stage2/Tier2		Stage 3	
	7.2	Engine power according to DIN ISO 1585	kw	60	59	55.9	57	60	59	55.9	57	60	59	55.9	57
	7.3	Rated speed	min	2200	2300	2200	2200	2200	2300	2200	2200	2200	2300	2200	2200
	7.4	Number of cylinders/displacement	(-)/(cm³)	4/3300	6/4169	4/4410	4/4580	4/3300	6/4169	4/4410	4/4580	4/3300	6/4169	4/4410	4/4580
	7.10	Battery voltage/nominal capacity	V/Ah	24/60	24/60	24/90	24/60	24/60	24/60	24/90	24/60	24/60	24/60	24/90	24/60
		Rated torque	N·m/r/min	292/1600	254/1800	265/1700	285/1400	292/1600	254/1800	265/1700	285/1400	292/1600	254/1800	265/1700	285/1400
		Bore x stroke	mm	95X115	96X96	105X127	108X125	95X115	96X96	105X127	108X125	95X115	96X96	105X127	108X125
		Transmissions Manufacturer		CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA
		Transmissions Type		Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
		Stage FWD/RVS		2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Addition data	10.1	Operating pressure for attachments	bar	180	180	180	180	180	180	180	180	180	180	180	180
	10.4	Fuel tank capacity	liter	80	80	80	80	80	80	80	80	80	80	80	80

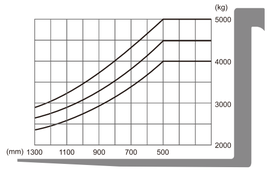
Note: * With suspension seat or cabin.

1.Special lifting height available(Duplex mast:2.5m,2.7m.3.0m,3.3m,3.6m,4m,4.5m.Triplex mast:4.3m,4.5m4.8m,5m,5.5m,6m) 2.Attachment available.

3.The specification in the table are for standard models only.For further information please contact us. 4.Spcification are subject to change without notice.



4.0-5.0t R series mast:(pneumatic)

Type	Model	max. fork height	Overall height				Free lift				Front Overhang		Tilt range		Capacity load capacity at 500mm						Capacity load capacity at 600mm					
			Lowered	Extended			Without backrest		With backrest				FWD	BWD	Single tire			Double tire			Single tire			Double tire		
				Without backrest		With backrest									4t	4.5t	5t	4t	4.5t	5t	4t	4.5t	5t	4t	4.5t	5t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	(°)	(°)	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Wide view mast	R45/50M250	2500	1995	3330	3330	3670	3865	160	160	160	160	550	555	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3620	4100	4550
	R45/50M270	2700	2095	3530	3530	3870	4065	160	160	160	160	550	555	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50M300	3000	2245	3830	3830	4170	4365	160	160	160	160	550	555	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50M330	3300	2395	4130	4130	4470	4665	160	160	160	160	550	555	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50M350	3500	2495	4330	4330	4670	4865	160	160	160	160	550	555	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50M360	3600	2545	4430	4430	4770	4965	160	160	160	160	550	555	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50M400	4000	2795	4830	4830	5170	5365	160	160	160	160	550	555	6	12	3800	4250	4750	4000	4500	5000	3450	3850	4330	3650	4100	4550
	R45/50M430	4300	2960	5130	5130	5470	5665	160	160	160	160	550	555	6	6	3600	4000	4500	3800	4250	4750	3250	3650	4100	3450	3850	4330
	R45/50M450	4500	3070	5330	5330	5670	5865	160	160	160	160	550	555	6	6	3400	3800	4250	3600	4050	4500	3100	3450	3880	3280	3700	4100
	R45/50M480	4800	3235	5630	5630	5970	6165	160	160	160	160	550	555	6	6	3000	3350	3750	3200	3600	4000	2730	3050	3400	2900	3250	3650
	R45/50M500	5000	3345	5830	5830	6170	6365	160	160	160	160	550	555	6	6	2800	3150	3500	3000	3400	3750	2550	2850	3200	2730	3100	3400
Wide view full free Duplex mast	R45/50U250	2500	1976	3365	3365	3670	3865	1114	1114	809	610	557	562	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50U275	2750	2100	3615	3615	3920	4115	1238	1238	933	735	557	562	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50U300	3000	2226	3865	3865	4170	4365	1364	1364	1055	860	557	562	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50U330	3300	2376	4165	4165	4470	4665	1514	1514	1205	1010	557	562	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
	R45/50U360	3600	2526	4465	4465	4770	4965	1664	1664	1359	1160	557	562	6	12	4000	4500	5000	4000	4500	5000	3650	4100	4550	3650	4100	4550
Wide view full free Triplex mast	R45/50N400	4000	2080	4850	4860	5170	5365	1229	1222	912	715	603	615	6	12	3600	4000	4500	3800	4250	4750	3250	3650	4100	3450	3850	4330
	R45/50N430	4300	2180	5155	5160	5470	5665	1329	1322	1012	815	603	615	6	6	3400	3800	4250	3600	4050	4500	3100	3450	3880	3280	3700	4100
	R45/50N450	4500	2248	5365	5370	5685	5880	1395	1390	1080	883	603	615	6	6	3200	3600	4000	3400	3850	4250	2900	3250	3650	3100	3500	3880
	R45/50N480	4800	2340	5650	5660	5970	6170	1489	1482	1172	975	603	615	6	6	3000	3350	3750	3200	3600	4000	2730	3050	3400	2900	3250	3650
	R45/50N500	5000	2410	5855	5860	6170	6370	1559	1552	1242	1045	603	615	6	6	2800	3150	3500	3000	3400	3750	2550	2850	3200	2730	3100	3400
	R45/50N550	5500	2575	6355	6360	6670	5870	1724	1718	1408	1210	603	615	3	6	2250	2550	2850	2800	3100	3350	2050	2300	2600	2550	2800	3050
	R45/50N600	6000	2790	6865	6870	7180	7380	1939	1932	1622	1425	603	615	3	6	1700	1950	2200	2600	2800	2950	1550	1780	2000	2370	2550	2700
	R45/50N650	6500	2980	7365	7370	7680	7880	2129	2123	1812	1615	603	615	3	6	/	/	/	2400	2500	2650	/	/	/	2200	2250	2400
	R45/50N700	7000	2980	7860	7865	8175	8375	2304	2298	1988	1790	603	615	3	6	/	/	/	2000	2200	2350	/	/	/	1800	2000	2150

With sideshifter minus 200Kg,with integral sideshifter minus 100kg