

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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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.

R Series Diesel Counterbalanced Trucks

with capacities of 4,000 to 5,000kg

The World of Hangcha



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Easy/
Efficiency/
Economy



R series 4.0-Mini 5t forklift specification

Distinguishing mark	1.1 Manufacturer	HANGCHA GROUP CO.,LTD.																						
		CPCD40-RW5	CPCD40-RW19	CPCD40-RW35	CPCD40-RG24	CPCD45-RW5	CPCD45-RW19	CPCD45-RW35	CPCD45-RG24	PCPD50-RW5	PCPD50-RW19	PCPD50-RW35	PCPD50-RXG24											
1.2	Manufacturer's type designation																							
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.5	Rated capacity/rated load	Q (kg)	4000	4000	4000	4000	4000	4500	4500	4500	4500	4500	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	
1.6	Load centre distance	c (mm)	500	500	500	500	500	500	500	500	500	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	550	550	550	555	555	555	555	555	555	555	555	555	555	
1.9	Wheelbase	y (mm)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	
	Rear overhang	mm	520	520	520	520	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	
2.1	Service Weight	kg	6300	6300	6300	6300	6500	6500	6500	6500	6500	6500	6500	6850	6850	6850	6850	6850	6850	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	9625/1375	9625/1375	9625/1375	10450/1400	10450/1400	10450/1400	10450/1400	10450/1400	10450/1400	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	2820/3680	2820/3680	2820/3680	3000/3850	3000/3850	3000/3850	3000/3850	3000/3850	3000/3850	3000/3850	3000/3850	3000/3850	3000/3850	
3.2	Tyre size, front		8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	
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	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	1190	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	1130	1130	1130	1130	1130	1130	1130	1130	1130	
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	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	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	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	3000	3000	3000	3000	3000	3000	3000	3000	3000	
4.5	Height, mast extended	h4 (mm)	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	4170	
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*)	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	3110	3110	3110	3215	3215	3215	3215	3215	3215	3215	3215	3215	3215	
4.21	Overall width	b1 (mm)	1395	1395	1395	1395	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	
4.22	Fork dimensions ISO 2331	s/e/l (mm)	1070x122x50	1070x122x50	1070x122x50	1070x122x50	1070x122x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	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	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	230	230	230	230	230	230	230	230	230	
4.35	Turning radius	wa (mm)	2690	2690	2690	2690	2720	2720	2720	2720	2720	2720	2720	2810	2810	2810	2810	2810	2810	2810	2810	2810	2810	
5.1	Travel speed, laden/unladen	km/h	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	
	Lift speed, laden/unladen	m/s	0.440/-	0.460/-	0.430/-	0.440/-	0.440/-	0.440/-	0.440/-	0.460/-	0.430/-	0.440/-	0.380/-	0.400/-	0.430/-	0.400/-	0.430/-	0.400/-	0.430/-	0.400/-	0.430/-	0.380/-	0.380/-	
	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/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	
	Drawbar pull, laden/unladen	N	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-	35000/-	37200/-	38200/-	35900/-
	Gradeability, laden/unladen	%	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-
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	CUMMINS/B3.3T	UD/TD42	PERKINS/1104D-44	LUOTUO/LR4B3-22	CUMMINS/B3.3T	UD/TD42	PERKINS/1104D-44	LUOTUO/LR4B3-22	LUOTUO/LR4B3-22	
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	60	59	55.9	57	60	59	55.9	57	60	
7.3	Rated speed	min	2200	2300	2200	2200	2200	2300	2200	2200	2200	2300	2200	2200	2200	2300	2200	2200	2200	2300	2200	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	4/3300	6/4169	4/4410	4/4580	4/3300	6/4169	4/4410	4/4580	4/4580	
7.10	Battery voltage/nominal capacity	V/Ah	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	24/60	
	Rated torque	Nm/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	292/1600	254/1800	265/1700	285/1400	292/1600	254/1800	265/1700	285/1400	285/1400	
	Bore x stroke	mm	95X115	96X96	105X127	108X125	95X115	96X96	105X127	108X125	95X115	96X96	105X127	108X125	95X115	96X96	105X127	108X125	95X115	96X96	105X127	108X125	108X125	
	Transmissions Manufacturer		CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	CHINA	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	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	
	Stage		FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	FWD/RVS	
10.1	Operating pressure for attachments	bar	180	180	180	180	180	180	180	180	180	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	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,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.Spification are subject to change without notice.

4.0-5.0t R series mast:(pneumatic)

Type	Model	max. fork height	Overall height								Free lift				Tilt range		Capacity load capacity at 500mm						Capacity load capacity at 600mm													
			Lowered		Extended		With backrest		Without backrest		Without backrest		With backrest		Front Overhang		FWD		BWD		Single tire			Double tire			Single tire			Double tire						
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
			4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4/4.5t	5t	4t	4.5t	5t	4t	4.5t	5t	4t	4.5t	5t	4t	4.5t	5t	4t	4.5t
Wide view mast	R45/S0M250	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	3650	4100	4550	3650	4100	4550	3650	4100	4550
	R45/S0M270	2700	2095	3530	3530	3870	4065	160	160	160</																										