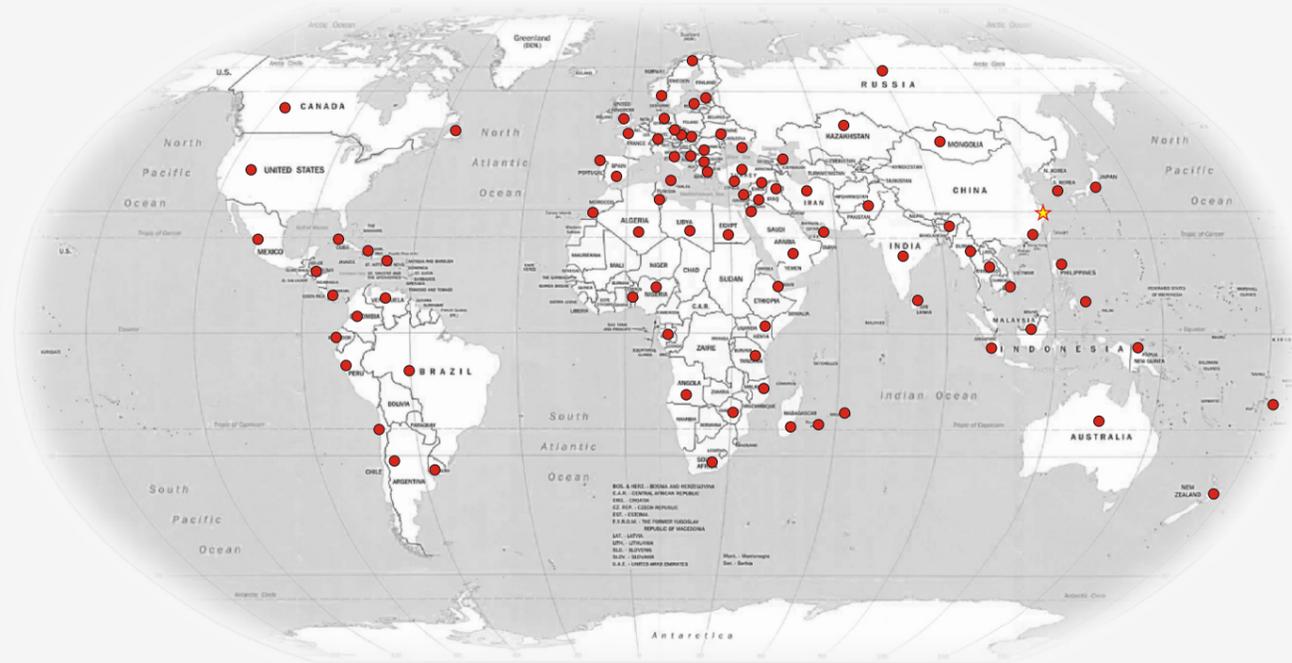


# GLOBAL SALES NETWORK

## R Series



1.0/1.5/1.8/2.0/2.5/3.0/3.5/  
4.0/4.5/5.0T Gasoline/LPG



CE CERTIFICATE



ISO14001

ISO14001: 2004



ISO9001

ISO9001: 2008

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**HANGCHA GROUP CO., LTD.**

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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simple. Easy: **SERVICE**  
simple, comprehensive: **PANEL**  
strong, wide view: **MASTS**  
so much footroom: **DRIVER ROOM**

### INTRODUCTION

The new generation R series forklift is combined with durability and ergonomics, providing productivity unmatched by other forklifts and the comfort for hours of tireless operation. Add friendliness to the environment, simple servicing, efficiency on the job, high standards of safety---it's the perfect tool for the most demanding application.

### EFFICIENCY

Thanks to the long wheelbase design, the longitudinal stability of whole truck is much better, the hoisting capacity at same lift height are enhanced by an average of 100kg compared with former truck. At the same time, it prolongs work time of rear wheel as the reduced rear axle's load.

The travel speed of truck has been raised, for example, the 2-2.5t type comes to 20km/h.

Increasing the hard proportion of hydraulic pipe, adopting right angle connector or straight through connector, that reduce the pressure loss of pipeline, and raise the lifting speed of mast, the speed is increased by an average of 10% compared with former truck.

Turning radius and width of right angle stacking aisle are decreased through reducing the dimensions of whole truck, that raise the efficiency of storehouse.



### SERVICING

Easy opened engine cover and one-touch removal of the floorboard get you right to service operation, and reduces down-time.

The reasonable arrangement of fuse and installation of instrument, enable the replacing for fuse and maintenance for instrument more easy.

### ENVIRONMENT FRIENDLY

The environment friendly engines all meet related emission control regulation and GM engine meet Tier3 . The noise emission also comes up to EU standard.

The Metal hood and molding sound insulation matches environmental protection demands.

### SAFE

A throttling device is set in pipe system, the mast won't result in failing control of mast even some pipes broke.

By using a built-in hood lock device, the safe level of the truck has been raised.



**F**or 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.

- The clearance between the steering axle and support rod can be adjusted, to improve the adaptability for ground.
- The pin of the tilt cylinder adopts a build-in grease fitting, which enables the greas fitting more dependable.
- The high performance specific tires for forklift trucks increase the work life of tires much more.

durable: **HYDRAULICS**  
 clean, reliable: **ENGINES**  
 progressive: **BRAKES**  
 cool, smooth: **TRANSMISSION**

### APPEARANCE

The latest appearance design method was used to create the R series fluent and aesthetic outline, that matches the latest appearance trend.

The large engineering plastic covering enables the whole truck looks friendly and natural.

### TRANSMISSION & ENGINE

The transmission can be chosen among OKAMURA, NISSAN and HC( made in china with the Japanese technique), with advanced structure and dependable function. Among them, the OKAMURA transmission adopts advanced float type structure, which can achieve a flexible connection between engine and frame, the vibrations of transmission to the frame is reduced. The engine can be chosen among the TD27、C240、4JG2、4TNV94L diesel engine and H20、H25 gasoline engine, with great power, economical fuel consumption and dependable functions.

### OPERATION

Adopted advanced ergonomic technology optimizes the design of control system, improves the comfortable of operation much more.

Adopted advanced vibration-reduction technology designs each part's vibration reduction, reduces the whole truck vibration. Among them, the hood is designed to full floating type, and vibration reduction device for steering axle enables the operation more comfortable.



The torque converter models adopt electronic-hydraulic forward-reverse control technology, meaning less effort and less total time used during this often-performed function.

Adopted recently developed redirector decreases the steering wheel force to 6~8N only ,that reduce 50% compared with former truck.

The grease fittings and bushes added around the shaft of control mechanism decreases the force of pedal, that are reduced 30% compared with former truck.

### COOLING SYSTEM

Newly adopted combined type aluminum radiator improves the radiator cooling performance greatly.

Advanced heat dissipation technology improves heat dissipation channel, that enhances the truck heat dissipation capability further, the water temperature is reduced 15% compared with former truck.

### CYLINDER

Oil seal rings used for tilting cylinder, lifting cylinder and turning cylinder all adopt the first class international product, the sealing performance has been proven through ten of thousands fatigue test.

The soft landing system for lifting cylinder decreases the level of noise and shock when the mast lowered to termination phase.

### BRAKES

The 1-5.0t forklifts all adopt the new type drum brake. waterproof slot on the brake drum and framework oil seal on the axle tube avoid water or oil entering the brake drum, enable the dependability of brake to raise consumedly.



OKAMURA 2-3t T / M is Floating Types, The only one in China. Floating types are designed to reduce the transmission of vibrations to the chassis in small and midsized (1 to 5 tons) forlift trucks, thereby reducing operator fatigue and improving riding comfort . Specially-shortened design is ideal for this floating-type Installation. Compact design offers same dimensions as conventional integrated models . May be coupled to the differential axles. Making installation, removal, and maintenance easy.



### Options

- 2.0-5.0m 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(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
- Auxilliary hydraulic valve modules
- High-mounted exhaust system
- Middle-mounted exhaust system
- Spark arrester
- 3-way catalytic muffler
- LPG swing-down bracket
- Radiator screen
- Sideshifter
- Integrated sideshifter
- Other attachment
- LPG fuel system(single dual)

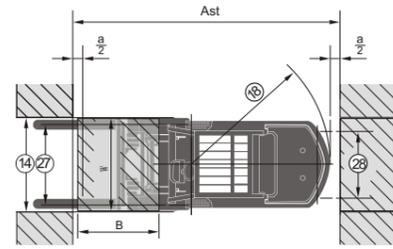
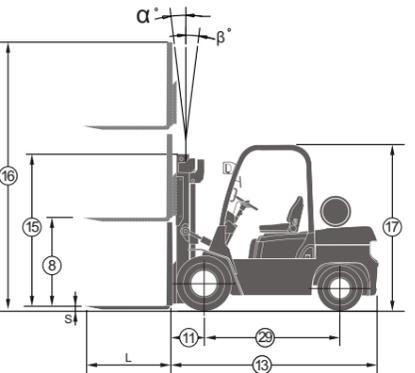


# R series 1.0 / 1.5 / 1.8 / 2.0 t Gasoline / LPG forklift specification

		HANGCHA GROUP CO.,LTD.				HANGCHA GROUP CO.,LTD.				HANGCHA GROUP CO.,LTD.				HANGCHA GROUP CO.,LTD.																											
		CPQD10N				CPQD15N				CPQD18N				CPQD20N																											
		RW7		RW21		RW7		RW21		RW7-Y		RW21-Y		RW51-Y		RW7		RW22		RW22A		RW22B		RW21		RW7-Y		RW22-Y		RW22A-Y		RW22B-Y		RW21-Y		RW26-Y		RW52-Y		RW52B-Y	
General	1 Manufacture	HANGCHA GROUP CO.,LTD.																																							
	2 Basic model	CPQD10N																																							
Characteristics & Dimensions	3 Type	Gasoline																																							
	4 Power type	Gasoline																																							
	5 Rated capacity	Kg																																							
	6 Load center	mm																																							
	7 Lift height	mm																																							
	8 Free lift height	mm																																							
	9 Fork size	mm																																							
	10 Mast tilt range	deg																																							
	11 Fork overhang(Wheel center to fork face)	mm																																							
	12 Rear overhang	mm																																							
	Overall dimensions	13 Length to face of fork	mm																																						
		14 Overall width	mm																																						
		15 Mast lowered height	mm																																						
		16 Mast extended height	mm																																						
		17 Overhead guard height	mm																																						
	18 Turning radius(outside)	mm																																							
	19 Min. right angle stacking aisle width (Add load length and clearance)	mm																																							
	Performance	20 Travel (No load)	Km / h																																						
		Speed	21 Lifting (Full load)	mm/sec																																					
22 Lowering (Full load)			mm/sec																																						
23 Max.Drawbar Pull (Full load)			N																																						
24 Max.Gradeability (Full load)		%																																							
Chassis	25 Tyres	Front	mm																																						
		Rear	mm																																						
	27 Tread	Front	mm																																						
		Rear	mm																																						
	29 Wheelbase	mm																																							
	30 Ground clearance	Lowest	mm																																						
		Wheelbase center	mm																																						
Weight	32 Self weight	Kg																																							
	33 Weight	Full load	Kg																																						
		Distribution	Kg																																						
Power & transmission	35 Battery	Voltage/Capacity(20HR)																																							
		Model																																							
	Engine	37 Manufacture	V / AH																																						
		38 Rated output / r.p.m.	kw																																						
		39 Rated torque / r.p.m.	N-m																																						
		40 No. of cylinder	4																																						
		41 Bore×Stroke	mm																																						
		42 Displacement	cc																																						
		43 Fuel tank capacity	L																																						
		44 Transmissions	Manufacture	CHINA																																					
Type	Powershift																																								
46 Operating pressure	Mpa																																								

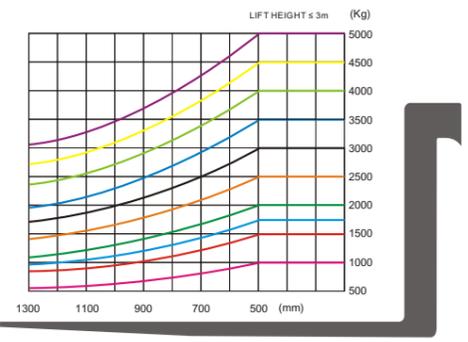
1. Special lifting height available ( 2-stage mast: 2.5m, 2.7m, 3.0m, 3.3m, 3.6m, 4m, 4.5m. 3-stage mast: 4.3m, 4.5m, 4.8m, 5m, 5.5m, 6m ) 2. Attachment available.  
3. The specifications in the table are for standard models only. For further information please contact us. 4. Specifications are subject to change without notice.

## DIMENSIONS



a = 200 mm safety clearance  
AST = a + (1) + (8) + √W² + (B / 2)²

## LOAD CHART



## 1.0 ~ 1.8t R series mast: ( pneumatic )

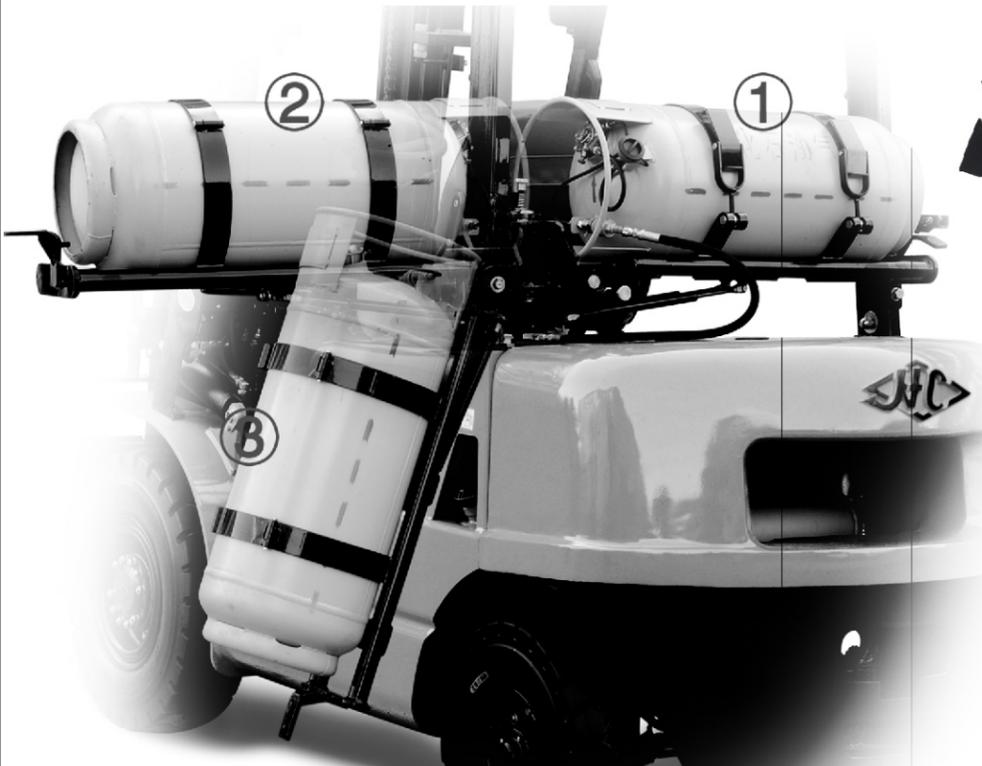
Type	Model	Max. fork height	Overall height			Free lift		Front Overhang		Tilt range		Capacity						
			Lowered	Extended		Without backrest	With backrest	1/1.5t	1.75t	FWD	BWD	Load capacity at 500 mm						
				Without backrest	With backrest							Single tire			Double tire			
												1t	1.5t	1.75t	1t	1.5t	1.75t	
mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg	kg	kg	kg	kg			
Wide view mast	R15 / 18M200	2000	1495	2585	2955	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M250	2500	1745	3085	3455	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M270	2700	1845	3285	3655	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M300	3000	1995	3585	3955	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M330	3300	2145	3885	4255	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M350	3500	2245	4085	4455	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
	R15 / 18M360	3600	2345	4185	4555	155	155	405	408	6	12	1000	1500	1750	1000	1500	1750	
Wide view full free 2-stage mast	R15 / 18M400	4000	2595	4585	4955	155	155	405	408	6	12	950	1400	1650	1000	1500	1750	
	R15 / 18M430	4300	2745	4885	5255	155	155	405	408	6	6	900	1300	1550	950	1400	1650	
	R15 / 18M450	4500	2845	5085	5455	155	155	405	408	6	6	850	1250	1450	900	1350	1550	
	N15 / 18U250	2500	1760	3105	3455	1095	915	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U270	2700	1860	3305	3655	1195	915	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U300	3000	2010	3605	3955	1395	1055	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U330	3300	2160	3905	4255	1545	1215	428	431	6	12	1000	1500	1750	1000	1500	1750	
Wide view full free 3-stage mast	N15 / 18U360	3600	2310	4205	4555	1695	1365	428	431	6	12	1000	1500	1750	1000	1500	1750	
	N15 / 18U400	4000	2560	4605	4955	1865	1615	428	431	6	12	950	1400	1650	1000	1500	1750	
	N15 / 18N430	4300	2710	5070	5255	1350	1165	445	448	6	6	850	1250	1450	900	1350	1550	
	N15 / 18N450	4500	2810	5130	5465	1510	1175	445	448	6	6	800	1200	1350	850	1300	1450	
	N15 / 18N480	4800	2935	5445	5755	1600	1290	445	448	6	6	750	1100	1250	800	1200	1350	
	N15 / 18N500	5000	3035	5605	5955	1690	1340	445	448	6	6	700	1050	1150	750	1150	1250	
Wide view full free 3-stage mast	N15 / 18N550	5500	3260	6120	6455	1850	1515	445	448	3	6	/	/	/	/	600	950	1050
	N15 / 18N600	6000	3485	6695	6955	2000	1740	445	448	3	6	/	/	/	450	750	850	

With sideshifter minus 150Kg, with integral sideshifter minus 100Kg.

**R series 2.5 / 3.0 t Gasoline / LPG forklift specification**

		HANGCHA GROUP CO.,LTD.												HANGCHA GROUP CO.,LTD.											
		CPQD25N												CPQD30N											
		Gasoline				Gasoline / LPG				LPG				Gasoline				Gasoline / LPG							
		RW7	RW22	RW22A	RW22B	RW20	RW7-Y	RW22-Y	RW22A-Y	RW22B-Y	RW21-Y	RW26-Y	RW52-Y	RW52B-Y	RW7	RW22	RW22A	RW22B	RW7-Y	RW22-Y	RW22A-Y	RW22B-Y	RW26-Y	W52-Y	W52B-Y
General	1 Manufacture	HANGCHA GROUP CO.,LTD.																							
	2 Basic model	CPQD25N																							
	3 Type	RW7 RW22 RW22A RW22B RW20 RW7-Y RW22-Y RW22A-Y RW22B-Y RW21-Y RW26-Y RW52-Y RW52B-Y RW7 RW22 RW22A RW22B RW7-Y RW22-Y RW22A-Y RW22B-Y RW26-Y W52-Y W52B-Y																							
	4 Power type	Gasoline Gasoline / LPG LPG Gasoline Gasoline / LPG																							
	5 Rated capacity	Kg 2500 2500 2500 3000 3000																							
	6 Load center	mm 500 500 500 500 500																							
	7 Lift height	mm 3000 3000 3000 3000 3000																							
	8 Free lift height	mm 150 150 150 150 155																							
	9 Fork size	LxWxT mm 1070 x122 x45 1070 x122 x40 1070 x122 x40 1070x130x45 1070x122x45 1070 x122 x45																							
	10 Mast tilt range	F / R deg 6 / 12 6 / 12 6 / 12 6 / 12 6 / 12																							
	11 Fork overhang(Wheel center to fork face)	mm 470 470 470 480 480																							
	12 Rear overhang	mm 480 480 480 510 510																							
	Characteristics & Dimensions	13 Overall dimensions	Length to face of fork mm 2605 2605 2605 2750 2750																						
		14 Overall width	mm 1150 1155 1155 1225 1225																						
		15 Mast lowered height	mm 1985 1985 1985 2010 2010																						
		16 Mast extended height	mm 4045 4045 4045 4140 4140																						
		17 Overhead guard height	mm 2140(2200) 2140(2200) 2140(2200) 2150 2170(2230)																						
		18 Turning radius(outside)	mm 2235 2235 2235 2375 2375																						
	19 Min. right angle stacking aisle width (Add load length and clearance)	mm 2710 2710 2710 2855 2855																							
Performance	20 Speed	Travel (No load) Km / h 22.5 21.5 19.5 21 23 22.5 21.5 19.5 21 23 20.5 21 20 21.5 19.5 20 20 21.5 19.5 20 19 19.5																							
	21 Lifting (Full load)	mm/sec 560 570 560 450 450																							
	22 Lowering (Full load)	mm/sec 500 500 500 500 500																							
	23 Max.Drawbar Pull (Full load)	N 19600 16500 24100 17500 21600 19600 16500 24100 17500 21800 23000 17500 19600 19000 24100 17800 21200 19000 24100 17800 24800 19000																							
	24 Max.Gradeability (Full load)	% 20 20 20 20 20																							
Chassis	25 Tyres	Front mm 7.00 -12 -12PR 7.00 -12 -12PR 7.00 -12 -12PR 28 x 9 -15 -12PR 28x9-15-12PR 28x9-15-12PR																							
	26 Rear	mm 6.00 - 9 - 10PR 6.00 - 9 - 10PR 6.00 - 9 - 10PR 6.50 - 10 - 10PR 6.50-10-10PR 6.50-10-10.PR																							
	27 Tread	Front mm 965 965 965 1005 1005																							
	28 Rear	mm 970.5 970.5 970.5 973.5 973.5																							
	29 Wheelbase	mm 1650 1650 1650 1760 1760																							
	30 Ground clearance	Lowest mm 105 105 105 130 130																							
Weight	31 Wheelbase center	mm 150 150 150 175 175																							
	32 Self weight	Kg 3765 3765 3765 4255 4255																							
	33 Weight	Full load Front / Rear 5530 / 735 5530/735 5530/735 6480 / 775 6480/775																							
	34 Distribution	No load Front / Rear 1560 / 2205 1660/2205 1560/2205 1765 / 2490 1765/2490																							
Power & transmission	35 Battery	Voltage/Capacity(20HR) 12 / 60 12 / 60 12 / 60 12 / 60 12 / 60																							
	36 Model	491GP K25 K25 K25 K21 491GP K25 K25 K25 K21 GM3.0L K25(LPG) 491GP K25 K25 K25 491GP K25 K25 K25 GM3.0L K25(LPG)																							
	37 Manufacture	V / AH WANFENG NISSAN NISSAN NISSAN NISSAN WANFENG NISSAN NISSAN NISSAN NISSAN NISSAN GM NISSAN WANFENG NISSAN NISSAN NISSAN WANFENG NISSAN NISSAN NISSAN GM NISSAN																							
	38 Rated output / r.p.m.	kw 41 / 2800 37.4 / 2300 37.4 / 2300 37.4 / 2300 31.2 / 2250 41 / 2800 37.4 / 2300 37.4 / 2300 37.4 / 2300 31.2 / 2250 50 / 2500 35/2400 41 / 2800 37.4 / 2300 37.4 / 2300 37.4 / 2300 41 / 2800 37.4 / 2300 37.4 / 2300 37.4 / 2300 50/2500 35/2400																							
	39 Rated torque / r.p.m.	N.m 161 / 2000 176.5 / 1600 176.5 / 1600 176.5 / 1600 143.7 / 1600 161 / 2000 176.5 / 1600 176.5 / 1600 176.5 / 1600 143.7 / 1600 189 / 1600 170/1600 161 / 2000 176.5 / 1600 176.5 / 1600 176.5 / 1600 161 / 2000 176.5 / 1600 176.5 / 1600 176.5 / 1600 189/1600 170/1600																							
	40 Engine	No. of cylinder 4																							
	41 BorexStroke	mm 89 x 100 89 x 100 89 x 100 89 x 83 89 x 100 89 x 100 89 x 100 89 x 100 89 x 83 101.6 x 91.44 89 x 100 101.6x91.44 89 x 100																							
	42 Displacement	cc 2237 2488 2488 2488 2065 2237 2488 2488 2488 2065 3000 2488 2237 2488 2488 2488 2237 2488 2488 2488 3000 2488																							
	43 Fuel tank capacity	L 60 60 60 60 60 60 60 60 60 60 60 40 40 70 60 60 60 70 70 70 70 70 40 40																							
	44 Manufacture	CHINA CHINA NISSAN OKAMURA CHINA CHINA CHINA NISSAN OKAMURA CHINA CHINA CHINA OKAMURA CHINA CHINA JAPAN OKAMURA CHINA CHINA NISSAN OKAMURA CHINA CHINA OKAMURA																							
	45 Type	Powershift Powershift Powershift Powershift Powershift Powershift Powershift																							
	46 Transmissions	Stage FWD / RVS 1 / 1 1 / 1 1 / 1 1 / 1 1 / 1																							
	47 Operating pressure	For attachments Mpa 17.5 17.5 17.5 17.5 17.5																							

1. Special lifting height available ( 2-stage mast: 2.5m, 2.7m, 3.0m, 3.3m, 3.6m, 4m, 4.5m. 3-stage mast: 4.3m, 4.5m, 4.8m, 5m, 5.5m, 6m ) 2. Attachment available.  
 3. The specifications in the table are for standard models only. For further information please contact us. 4. Specifications are subject to change without notice.



**WANFENG 491GP**  
 Displacement 2237 cc  
 Rated output: 41 Kw/2800rpm  
 Rated torque: 161 N-m/2000rpm

**NISSAN K25**  
 Displacement 2488 cc  
 Rated output: 37.4 Kw/2300rpm  
 Rated torque: 176.5 N-m/1600rpm



**2.0 / 2.5t R series mast: ( pneumatic )**

Type	Model	Max. fork height	Overall height				Free lift		Front Overhang	Tilt range		Capacity			
			Lowered	Extended		Without backrest	With backrest	FWD		BWD	Load capacity at 500 mm				
				Without backrest	With backrest						Single tire		Double tire		
		mm	mm	mm	mm	mm	mm	Deg	Deg	2t kg	2.5t kg	2t kg	2.5t kg		
Wide view mast	R25M250	2500	1735	3125	3545	150	150	475	6	12	2000	2500	2000	2500	
	R25M270	2700	1835	3325	3745	150	150	475	6	12	2000	2500	2000	2500	
	R25M300	3000	1985	3625	4045	150	150	475	6	12	2000	2500	2000	2500	
	R25M330	3300	2135	3925	4345	150	150	475	6	12	2000	2500	2000	2500	
	R25M350	3500	2235	4125	4545	150	150	475	6	12	2000	2500	2000	2500	
	R25M360	3600	2335	4225	4645	150	150	475	6	12	2000	2500	2000	2500	
	R25M400	4000	2585	4625	5045	150	150	475	6	12	1900	2300	2000	2500	
	R25M430	4300	2735	4925	5345	150	150	475	6	6	1800	2100	1950	2450	
	R25M450	4500	2835	5125	5545	150	150	475	6	6	1700	2000	1900	2400	
Wide view full free 2-stage mast	R25M480	4800	2985	5425	5845	150	150	475	6	6	1500	1700	1700	2100	
	R25M500	5000	3085	5625	6045	150	150	475	6	6	1400	1600	1600	2000	
	N25U250	2500	1795	3152	3545	1143	750	470	6	12	2000	2500	2000	2500	
	N25U270	2700	1895	3352	3745	1243	850	470	6	12	2000	2500	2000	2500	
	N25U300	3000	1995	3652	4045	1343	950	470	6	12	2000	2500	2000	2500	
	N25U330	3300	2145	3952	4345	1493	1100	470	6	12	2000	2500	2000	2500	
Wide view full free 3-stage mast	N25U360	3600	2295	4252	4645	1643	1250	470	6	12	2000	2500	2000	2500	
	N25U400	4000	2545	4652	5045	1893	1500	470	6	12	1900	2300	2000	2500	
	N25N430	4300	2040	4992	5355	1358	995	485	6	6	1700	2000	1900	2400	
	N25N450	4500	2110	5242	5605	1428	1065	485	6	6	1600	1900	1800	2300	
	N25N480	4800	2210	5492	5855	1528	1165	485	6	6	1500	1700	1700	2100	
Wide view full free 3-stage mast	N25N500	5000	2275	5692	6055	1593	1230	485	6	6	1400	1600	1600	2000	
	N25N550	5500	2440	6192	6555	1758	1395	485	3	6	1050	1200	1500	1800	
	N25N600	6000	2655	6692	7055	1973	1610	485	3	6	700	800	1400	1600	

With sideshifter minus 150Kg, with integral sideshifter minus 100Kg.

**R series 3.5 / 4.0 / 4.5 / 5.0 t Gasoline / LPG forklift specification**

		HANGCHA GROUP CO.,LTD.										HANGCHA GROUP CO.,LTD.									
		CPQD35N										CPYD40	CPQYD40	CPYD45	CPQYD45	CPYD50	CPQYD50				
		RW7	RW22	RW22A	RW22B	RW7-Y	RW22-Y	RW22A-Y	RW22B-Y	RW26-Y	W52-Y	W52B-Y	RW17	Rw17	RW17	RW17	RW17	RW17			
		Gasoline					Gasoline / LPG					LPG		LPG		LPG		LPG			
General	1 Manufacture	HANGCHA GROUP CO.,LTD.																			
	2 Basic model	CPQD35N																			
	3 Type	RW7 RW22 RW22A RW22B RW7-Y RW22-Y RW22A-Y RW22B-Y RW26-Y W52-Y W52B-Y																			
	4 Power type	Gasoline Gasoline / LPG LPG																			
	5 Rated capacity	Kg	3000					3500					3500		4000		4500		5000		
	6 Load center	mm	500																		
	7 Lift height	mm	3000																		
	8 Free lift height	mm	155																		
Characteristics & Dimensions	9 Fork size	LxWxT	1070-140-45					1070x130x45					1070x122x50		1070x122x50		1070x150x50		1070x150x55		
	10 Mast tilt range	F / R	6 / 12																		
	11 Fork overhang(Wheel center to fork face)	mm	485																		
	12 Rear overhang	mm	555																		
	13 Overall dimensions	Length to face of fork	mm	2800					2800					2800		3070		3070		3215	
		Overall width	mm	1225					1225					1225		1395		1395		1490	
		Mast lowered height	mm	2160					2160					2160		2245		2245		2395	
		Mast extended height	mm	4140					4140					4140		4175		4170		4320	
	17 Overhead guard height	mm	2150					2170(2230)					2170(2230*)		2250		2250		2250		
	18 Turning radius(outside)	mm	2415																		
	19 Min. right angle stacking aisle width (Add load length and clearance)	mm	2900																		
Performance	20 Speed	Travel (No load)	Km / h	21	19.5	19.5	20	18	19.5	19.5	20	19	19.5		0-26		0-26		0-26		
		Lifting (Full load)	mm/sec	350										350		460		400			
		Lowering (Full load)	mm/sec	500										500		500		500			
	23 Max.Drawbar Pull (Full load)	N	21200	19000	24100	17800	21200	19000	24100	23600	17800	19000		39300		39300		39300			
24 Max.Gradeability (Full load)	%	15																			
Chassis	25 Tyres	Front	mm	28 x 9 -15 -12PR					28x9-15-12PR					28x9-15-12PR		8.25-15-14PR		3.00-15-18PR		3.00-15-18PR	
		Rear	mm	6.50 - 10 - 10PR					6.50-10-10PR					6.50-10-10.PR		7.00-12-12PR		7.00-12-12PR		7.00-12-12PR	
	27 Tread	Front	mm	1005																	
		Rear	mm	973.5					973.5					973.5		1130		1130		1130	
	29 Wheelbase	mm	1760																		
	30 Ground clearance	Lowest	mm	130																	
Wheelbase center		mm	175																		
Weight	32 Self weight	Kg	4555																		
	33 Weight Distribution	Full load	Front / Rear	7195 / 860					7195 / 860					7195/860		9000/1300		9625/1375		10450/1400	
		No load	Front / Rear	1890 / 2665					1890 / 2665					1890/2665		2800/3500		2820/3680		3000/3850	
35 Battery	Voltage/Capacity(20HR)	12 / 60																			
Power & transmission	36 Model		491GP	K25	K25	K25	491GP	K25	K25	K25	GM3.0L	K25(LPG)	12/100		GM4.3L		GM4.3L		GM4.3L		
		Manufacture	V / AH	WANFENG	NISSAN	NISSAN	NISSAN	WANFENG	NISSAN	NISSAN	NISSAN	GM	NISSAN	GM		GM		GM			
	38 Rated output / r.p.m.	kw	41 / 2800	37.4 / 2300	37.4 / 2300	37.4 / 2300	41 / 2800	37.4 / 2300	37.4 / 2300	37.4 / 2300	50/2500	35/2400	74/2300		74/2300		74/2300		74/2300		
		Rated torque / r.p.m.	N.m	161 / 2000	176.5 / 1600	176.5 / 1600	176.5 / 1600	161 / 2000	176.5 / 1600	176.5 / 1600	176.5 / 1600	189/1600	170/1600	301/1600		301/1600		301/1600			
	40 Engine	No. of cylinder	4																		
		BorexStroke	mm	89 x 100					89 x 100					89 x 100		101.6x88.39		101.6x88.39		101.6x88.39	
	42 Displacement	cc	2237																		
	43 Fuel tank capacity	L	60																		
	44 Transmissions	Manufacture		CHINA	CHINA	JAPAN	OKAMURA	CHINA	CHINA	JAPAN	OKAMURA	CHINA	CHINA	OKAMURA	CHINA		CHINA		JAPAN		
		Type		Powershift					Powershift					Powershift		Powershift		Powershift			
	46 Operating pressure	Stage	FWD / RVS	1 / 1																	
For attachments		Mpa	17.5																		

- Special lifting height available ( 2-stage mast: 2.5m, 2.7m, 3.0m, 3.3m, 3.6m, 4m, 4.5m. 3-stage mast: 4.3m, 4.5m, 4.8m, 5m, 5.5m, 6m )
- Attachment available.
- The specifications in the table are for standard models only. For further information please contact us.
- Specifications are subject to change without notice.

**3.0 ~ 3.5t R series mast: ( pneumatic )**

Type	Model	Max. Fork height	Overall height						Free lift						Front Overhang		Tilt range		Capacity										
			Lowered		Extended		Without backrest		With backrest		Without backrest		With backrest		Without backrest		With backrest		Front Overhang		FWD		BWD		Load capacity at 500 mm				
			3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	3t	3.5t	
			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
Wide view mast	R30 / 35M250	2500	1760	1910	3165	3310	3630	3630	155	155	155	155	480	485	6	12	3000	3500	3000	3500									
	R30 / 35M270	2700	1860	2010	3365	3510	3830	3830	155	155	155	155	480	485	6	12	3000	3500	3000	3500									
	R30 / 35M300	3000	2010	2160	3665	3810	4130	4130	155	155	155	155	480	485	6	12	3000	3500	3000	3500									
	R30 / 35M330	3300	2160	2310	3965	4110	4430	4430	155	155	155	155	480	485	6	12	3000	3500	3000	3500									
	R30 / 35M350	3500	2260	2410	4165	4310	4630	4630	155	155	155	155	480	485	6	12	3000	3500	3000	3500									
	R30 / 35M360	3600	2370	2460	4265	4410	4730	4730	155	155	155	155	480	485	6	12	3000	3500	3000	3500									
	R30 / 35M400	4000	2620	2710	4665	4810	5130	5130	155	155	155	155	480	485	6	12	2850	3250	3000	3500									
	R30 / 35M430	4300	2770	2860	4965	5110	5430	5430	155	155	155	155	480	485	6	6	2700	3000	2900	3400									
	R30 / 35M450	4500	2870	2960	5165	5310	5630	5630	155	155	155	155	480	485	6	6	2550	2850	2850	3350									
	R30 / 35M480	4800	3020	3110	5465	5610	5930	5930	155	155	155	155	480	485	6	6	2250	2450	2550	2950									
R30 / 35M500	5000	3120	3120	5665	5810	6130	6130	155	155	155	155	480	485	6	6	2100	2300	2400	2800										
Wide view full free 2-stage mast	N30 / 35U250	2500	1865	1975	3235	3370	3635	3640	1130	1115	730	845	475	475	6	12	3000	3500	3000	3500									
	N30 / 35U270	2700	1965	2075	3435	3570	3835	3840	1230	1215	830	945	475	475	6	12	3000	3500	3000	3500									
	N30 / 35U300	3000	2190	2190	3760	3860	4140	4130	1435	1330	1060	1060	475	475	6	12	3000	3500	3000	3500									
	N30 / 35U330	3300	2225	2375	4045	4170	4445	4440	1490	1515	1090	1245	475	475	6	12	3000	3500	3000	3500									
	N30 / 35U360	3600	2375	2540	4345	4470	4745	4740	1640	1670	1240	1400	475	475	6	12	3000	3500	3000	3500									
	N30 / 35U400	4000	2575	2740	4745	4870	5145	5140	1840	1870	1440	1600	475	475	6	12	2850	3250	3000	3500									
	N30 / 35N430	4300	2090	2205	5050	5105	5445	5440	1355	1395	960	1060	490	498	6	6	2550	2850	2850	3350									
	N30 / 35N450	4500	2160	2260	5300	5305	5695	5640	1425	1465	1030	1130	490	498	6	6	2400	2700	2700	3200									
	N30 / 35N480	4800	2260	2354	5550	5605	5945	5940	1525	1565	1130	1230	490	498	6	6	2250	2450	2550	2950									
	N30 / 35N500	5000	2326	2420	5750	5805	6145	6140	1590	1630	1196	1295	490	498	6	6	2100	2300	2400	2800									
Wide view full free 3-stage mast	N30 / 35N550	5500	2490	2605	6250	6305	6645	6640	1755	1795	1360	1460	490	498	3	6	1650	1800	2250	2550									
	N30 / 35N600	6000	2656	2770	6750	6805	7145	7140	1920	1960	1525	1625	490	498	3	6	1200	1300	2100	2300									

With sideshifter minus 150Kg, with integral sideshifter minus 100Kg.

**4.0 ~ 5.0t R series mast: ( pneumatic )**

Type	Model	Max. Fork height	Overall height						Free lift						Front Overhang		Tilt range		Capacity					
			Lowered		Extended		Without backrest		With backrest		Without backrest		With backrest		Front Overhang		FWD		BWD		Load capacity at 500 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	4 / 4.5t	5t
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Wide view mast	R45/X50M250	2500	1995	1995	3330	3330	3670	3865	160	160	160													