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A Series Diesel Counterbalanced Trucks

with capacities of 1,000 to 3,800kg

The World of Hangcha





Appearance

/ Based on around 10 years Nissan technology applied on HC trucks, and HANGCHA own R and H series, the new A series is fully own researched truck. The improved new outline, safety, comfortability, and reliability, all these provide better performance to the trucks.

Outline

/ Applied the advanced outline designing method, the truck is designed with stream, sporty outline, and thanks to the new design, all the exposed parts are metal made. which is firm and reliable.

Safety

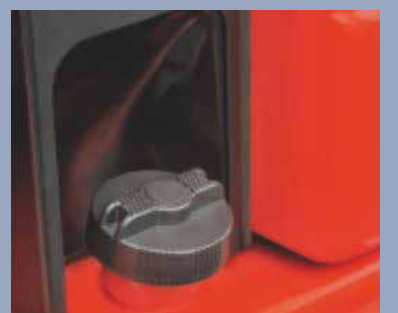
- / Thanks to the long wheelbase design, the longitudinal stability of whole truck is improved, the residual load capacity at same height is improved greatly. At the same time, it prolongs the working life time of steering tyre by reducing the rear axle load.
- / Improved strength of OHG is to make sure the protection to operator.
- / Lock of engine cover is standard specification, which ensures the operator's safety.

Comfortable

- / The same ergonomic technology as R series has been adopted. The smaller steering wheel, extra space for foot and operator space, wider forward visibility, all these improve operator's comfort and release operator's fatigue.
- / Easy access to engine and transmission due to applied bolt type fastened front plate, greatly improving the convenience of daily maintenance and repair.
- / The applied integral engine cover strengthens the rigidity of the cover and reduces the noise at the same time.

Reliability

- / The air intake system adopts high-positioned independent channel which located on the rear OHG to prevent dust intake.
- / Enlarged cross section of rear OHG improves the air intake capacity, and reduces air intake resistance, which makes internal combustion more complete and prolongs engine life.
- / The aluminum ribbon-tubular radiator with large capacity and the optimized cooling system further enhance the heat dissipation capability of the whole truck to ensure the reliability of the engine.





Options

- / Protection for tilt cylinder
- / Front dual wheel
- / Cabin
- / High-mounted exhaust system
- / Customerized color
- / Cabin heater
- / Rear working light
- / Dual air filter
- / Net cover of radiator
- / Solid tyre
- / Non-mark tyre(white/green)
- / Middle-positioned exhausted system
- / Exhaust fireproof device
- / Suspension seat
- / Purified exhaust system
- / Warning lamp
- / Auxiliary hydraulic valve assembly
- / Extinguisher
- / Copper water tank
- / Rear armrest with horn button
- / Counter weight net
- / High and low overhead guard
- / Fuel tank cap lock
- / Weighing system
- / Front/rear lights protective frame
- / Neutral starting protection (mechanical transmission)
- / Battery main switch
- / Fan protector
- / Speed limit alarm
- / Wide view full free 2-stage mast
- / Wide view full free 3-stage mast
- / wider fork carriage
- / Special fork
- / High-speed transmission
- / LED rearlights



Standard Specification

- / Anti-slip access step
- / Air filter
- / Hydraulic oil dipstick
- / Traction device
- / Lifting speed limit valve
- / Full hydraulic power steering
- / Wide view standard mast
- / Standard forks
- / Lift and tilt operating lever
- / Adjustable of steering wheel
- / Large rubber pedal pad
- / Hand grip
- / Waterproof cover on the OHG
- / Rear view mirror
- / Fuel Gauge
- / Pre-heating indicator
- / Engine fuel pressure warning
- / Neutral safety switch (hydraulic transmission)
- / Standard overhead guard
- / Transmission oil dipstick (hydraulic transmission)
- / High-performance tires
- / Standard backrest
- / High-positioned air intake
- / Hydraulic oil filter
- / Self-lock valve of mast tilting
- / Cable parking brake
- / Front combined lamp
- / Electrical horn
- / Headlight
- / Buzzer
- / Hour meter
- / Load safety valve
- / Engine hood spring
- / Rear combined lamp
- / Charging indicator
- / Oilcooler (hydraulic transmission)
- / Toolbox
- / Water temperature gauge
- / Transmission oil temperature warning
- / Standard seat
- / Two-disc multiple valve

A series 1.0-2.0t forklift specification

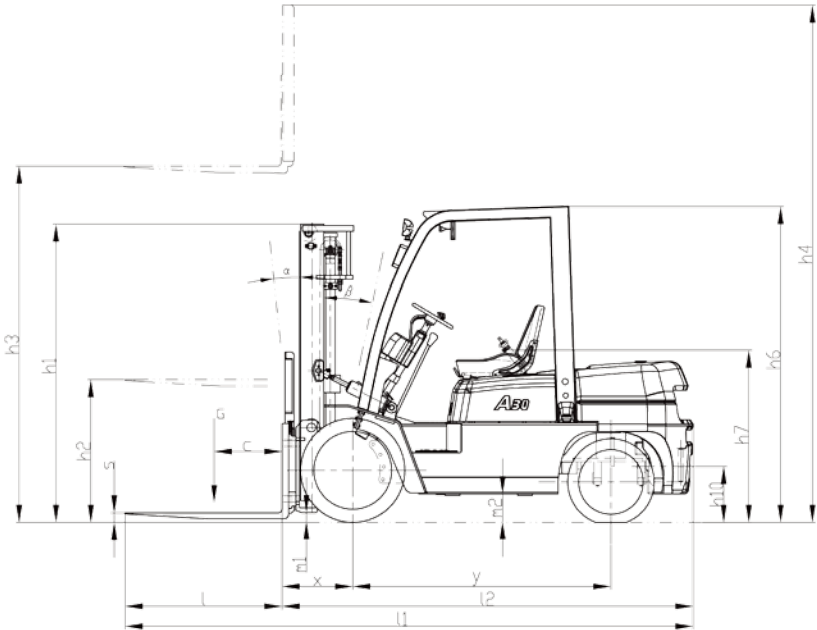
Distinguishing mark	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.																		
	1.2	Manufacturer's type designation		CPCD10-AG26	CPCD10-AG50	CPCD10-AW10	CPQD10-AW7	CPCD15-AG26	CPCD15-AG26	CPCD15-AW10	CPQD15-AW7	CPCD18-AG26	CPCD18-AG26	CPCD18-AW10	CPQD18-AW7	CPCD20-AG2	CPCD20-AG51	CPCD20-AW27	CPCD20-AW67	CPCD20-AW10	CPCD20-AW13	CPQD20-AW7
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel	Gasoline	Diesel	Diesel	Diesel	Gasoline	Diesel	Diesel	Diesel	Gasoline	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Gasoline
	1.5	Rated capacity/rated load	Q (kg)	1000	1000	1000	1000	1500	1500	1500	1500	1750	1750	1750	1750	2000	2000	2000	2000	2000	2000	2000
	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
	1.8	Load distance, centre of drive axle to fork	x (mm)	405	405	405	405	405	405	405	405	410	410	410	405	470	470	470	470	470	470	470
	1.9	Wheelbase	y (mm)	1475	1475	1475	1475	1475	1475	1475	1475	1475	1475	1475	1475	1665	1665	1665	1665	1665	1665	1665
Weight	2.1	Service Weight	kg	2300	2300	2300	2300	2600	2600	2600	2600	2830	2830	2830	2830	3440	3440	3440	3440	3440	3440	3440
	2.2	Axle loading, laden front/rear	kg	2940/360	2940/360	2940/361	2940/361	3590/510	3590/510	3590/510	3590/510	4075/505	4075/505	4075/505	4075/505	4815/625	4815/625	4815/625	4815/625	4815/625	4815/625	4815/625
	2.3	Axle loading, unladen front/rear	kg	1290/1010	1290/1010	1290/1011	1290/1011	1170/1430	1170/1430	1170/1430	1170/1430	1190/1640	1190/1640	1190/1640	1190/1640	1640/1800	1640/1800	1640/1800	1640/1800	1640/1800	1640/1800	1640/1800
Tyres, chassis	3.2	Tyre size, front		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	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
	3.3	Tyre size, rear		5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR	6.00-9-10PR
	3.6	Tread, front	b10 (mm)	890	890	890	890	890	890	890	890	890	890	890	890	965	965	965	965	965	965	965
	3.7	Tread, rear	b11 (mm)	900	900	900	900	900	900	900	900	900	900	900	900	971.5	971.5	971.5	971.5	971.5	971.5	971.5
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	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h1 (mm)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
	4.3	Free lift	h2 (mm)	155	155	155	155	155	155	155	155	155	155	155	155	140	140	140	140	140	140	140
	4.4	Lift	h3 (mm)	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)	3965	3965	3965	3965	3965	3965	3965	3965	3965	3965	3965	3965	4045	4045	4045	4045	4045	4045	4045
	4.7	Height of overhead guard (cabin)	h6 (mm)	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2110	2120	2120	2120	2120	2120	2120	2120
	4.20	Length to face of forks	l2 (mm)	2245	2245	2245	2245	2290	2290	2290	2290	2325	2325	2325	2325	2550	2550	2550	2550	2550	2550	2550
	4.21	Overall width	b1 (mm)	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1155	1155	1155	1155	1155	1155	1155
	4.22	Fork dimensions ISO 2331	s/e/l (mm)	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	920×100×35	1070×122×40	1070×122×40	1070×122×40	1070×122×40	1070×122×40	1070×122×40	1070×122×40
	4.25	Distance between fork-arms	b5 (mm)	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	226-970	260-1020	260-1020	260-1020	260-1020	260-1020	260-1020	260-1020
	4.31	Ground clearance, laden, below mast	m1 (mm)	115	115	115	115	115	115	115	115	115	115	115	115	105	105	105	105	105	105	105
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	145	145	145	145	145	145	145	145	145	145	145	145	150	150	150	150	150	150	150
	4.35	Turning radius	Wa (mm)	1950	1950	1950	1950	1995	1995	1995	1995	2025	2025	2025	2025	2170	2170	2170	2170	2170	2170	2170
		Aisle width	Ast (mm)	2355	2355	2355	2355	2400	2400	2400	2400	2435	2435	2435	2435	2640	2640	2640	2640	2640	2640	2640
Performance Data	5.1	Travel speed, laden/unladen	km/h	-/14.5	-/14.5	-/14.5	-/15.5	-/14.5	-/14.5	-/14.5	-/15.5	-/14.5	-/14.5	-/14.5	-/15.5	-/19	-/19	-/20	-/19	-/18	-/17.6	-/19
	5.2	Lift speed, laden/unladen	m/s	0.510/-	0.500/-	0.460/-	0.530/-	0.510/-	0.510/-	0.460/-	0.530/-	0.510/-	0.510/-	0.460/-	0.530/-	0.580/-	0.580/-	0.540/-	0.580/-	0.480/-	0.530/-	0.560/-
	5.3	Lowering speed, laden/unladen	m/s	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.450/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-	0.500/-
	5.5	Drawbar pull, laden/unladen	N	19500/-	19500/-	20500/-	24500/-	19500/-	19500/-	20500/-	24500/-	19500/-	19500/-	20500/-	24500/-	21300/-	21300/-	20500/-	21300/-	19320/-	20790/-	20500/-
	5.7	Gradeability, laden/unladen	%	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-	20/-
Combustion-engine	7.1	Engine manufacturer/type		NC485BPG-501	4N23G31	C240NKFC	BY4791GP	NC485BPG-501	4N23G31	C240NKFC	BY4791GP	NC485BPG-501	4N23G31	C240NKFC	BY4791GP	C490BPG-204	4D27G31	A498BT1-1	C490BPG-59	C240NKFC	4JG2PE	BY4791GP
	7.2	Engine power according to DIN ISO 1585	kw	30	30	35.4	41	30	30	35.4	41	30	30	35.4	41	40	36.8	36.8	36.8	35.4	46	41
	7.3	Rated speed	min	2600	2500	2500	2800	2600	2500	2500	2800	2600	2500	2500	2800	2650	2500	2400	2650	2500	2450	2800
		Rated torque	N·m/r/min	131/1800	131/1700-900	139.9/1800	161/1800-2000	131/1800	131/1700-900	139.9/1800	161/1800-2000	131/1800	131/1700-900	139.9/1800	161/1800-2000	160/1800-2000	156/1800-2000	186/1600-1800	156/1700-1900	139.9/1800	186/1800-2000	161/1800-2000
	7.4	Number of cylinders/displacement	(-)/(cm³)	-/2270	-/2270	-/2269	-/2237	-/2270	-/2270	-/2269	-/2237	-/2270	-/2270	-/2269	-/2237	-/2670	-/2670	-/3168	-/2670	-/2269	-/3059	-/2237
	7.10	Battery voltage/nominal capacity	V/Ah	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/90	12/90	12/90	12/90	12/90	12/90	12/60
		Transmissions Manufacturer		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
		Stage FWD/RVS		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Addition data	10.1	Operating pressure for attachments	bar	145	145	145	145	145	145	145	145	145	145	145	145	175	175	175	175	175	175	175
	10.4	Fuel tank capacity	liter	50		50	50	50		50	50	50		50	50	60		60	60	60	60	60

Note:*With suspension seat or cabin.
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.

1.0t/1.5t/1.75t A 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 500mm						
				Without backrest	With backrest							Single tire			Dual tire			
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)	(°)	1t	1.5t	1.75t	1t	1.5t	1.75t	
Wide view Duplex mast	A15/18M200	2000	1495	2565	2955	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M250	2500	1745	3065	3455	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M270	2700	1845	3265	3655	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M300	3000	1995	3565	3955	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M330	3300	2145	3865	4255	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M350	3500	2245	4065	4455	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M360	3600	2345	4165	4555	155	155	405	410	6	12	1000	1500	1750	1000	1500	1750	
	A15/18M400	4000	2595	4565	4955	155	155	405	410	6	12	950	1400	1650	1000	1500	1750	
	A15/18M430	4300	2745	4865	5255	155	155	405	410	6	6	900	1300	1550	950	1400	1650	
Wide view full free duplex mast	A15/18M450	4500	2845	5065	5455	155	155	405	410	6	6	850	1250	1450	900	1350	1550	
	A15/18U250	2500	1760	3095	3455	1175	815	428	433	6	12	1000	1500	1750	1000	1500	1750	
	A15/18U270	2700	1860	3295	3655	1275	915	428	433	6	12	1000	1500	1750	1000	1500	1750	
	A15/18U300	3000	2010	3595	3955	1425	1065	428	433	6	12	1000	1500	1750	1000	1500	1750	
	A15/18U330	3300	2160	3895	4255	1575	1215	428	433	6	12	1000	1500	1750	1000	1500	1750	
	A15/18U360	3600	2310	4195	4555	1725	1365	428	433	6	12	1000	1500	1750	1000	1500	1750	
	A15/18U400	4000	2560	4595	4955	1975	1615	428	433	6	12	950	1400	1650	1000	1500	1750	
	A15/18N430	4300	2110	5070	5255	1350	1165	445	450	6	6	850	1250	1450	900	1350	1550	
	A15/18N450	4500	2120	5130	5465	1510	1175	445	450	6	6	800	1200	1350	850	1300	1450	
Wide view full free triplex mast	A15/18N480	4800	2235	5445	5755	1600	1290	445	450	6	6	750	1100	1250	800	1200	1350	
	A15/18N500	5000	2285	5595	5955	1700	1340	445	450	6	6	700	1050	1150	750	1150	1250	
	A15/18N550	5500	2460	6120	6455	1850	1515	445	450	3	6	\	\	\	600	950	1050	
	A15/18N600	6000	2685	6695	6955	2000	1740	445	450	3	6	\	\	\	450	750	850	

With sideshifter minus 150kg, with integrated sidshifer minus 100kg.



2.0t/2.5t A 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 500mm				
				Without backrest	With backrest						Single tire		Dual tire		
											2.0t	2.5t	2.0t	2.5t	
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)	(°)	kg	kg	kg	kg	
Wide view Duplex mast	A25M250	2500	1745	3135	3545	140	140	470	6	12	2000	2500	2000	2500	
	A25M270	2700	1845	3335	3745	140	140	470	6	12	2000	2500	2000	2500	
	A 25M300	3000	1995	3635	4045	140	140	470	6	12	2000	2500	2000	2500	
	A 25M330	3300	2145	3935	4345	140	140	470	6	12	2000	2500	2000	2500	
	A25M350	3500	2245	4135	4545	140	140	470	6	12	2000	2500	2000	2500	
	A25M360	3600	2345	4235	4645	140	140	470	6	12	2000	2500	2000	2500	
	A25M400	4000	2595	4635	5045	140	140	470	6	12	1900	2300	2000	2500	
	A25M430	4300	2745	4935	5345	140	140	470	6	6	1800	2100	1950	2450	
	A25M450	4500	2845	5135	5545	140	140	470	6	6	1700	2000	1900	2400	
	A25M480	4800	2995	5435	5845	140	140	470	6	6	1500	1700	1700	2100	
Wide view full free duplex mast	A25M500	5000	3095	5635	6045	140	140	470	6	6	1400	1600	1600	2000	
	A25U250	2500	1810	3170	3545	1140	760	460	6	12	2000	2500	2000	2500	
	A25U270	2700	1910	3370	3745	1240	860	460	6	12	2000	2500	2000	2500	
	A25U300	3000	2010	3670	4045	1340	960	460	6	12	2000	2500	2000	2500	
	A25U330	3300	2160	3970	4345	1490	1110	460	6	12	2000	2500	2000	2500	
	A25U360	3600	2310	4270	4645	1640	1260	460	6	12	2000	2500	2000	2500	
	A25U400	4000	2560	4670	5045	1890	1510	460	6	12	1900	2300	2000	2500	
Wide view full free triplex mast	A25N430	4300	2055	4995	5355	1370	1010	475	6	6	1700	2000	1900	2400	
	A25N450	4500	2125	5245	5605	1440	1080	475	6	6	1600	1900	1800	2300	
	A25N480	4800	2225	5495	5855	1540	1180	475	6	6	1500	1700	1700	2100	
	A25N500	5000	2290	5695	6055	1605	1245	475	6	6	1400	1600	1600	2000	
	A25N550	5500	2455	6195	6555	1770	1410	475	3	6	1050	1200	1500	1800	
	A25N600	6000	2675	6705	7055	1990	1630	475	3	6	700	800	1400	1600	

With sideshifter minus 150kg, with integrated sidshifer minus 100kg.

