



ZHEJIANG HANGCHA IMP. & EXP. CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com
www.hcforklift.com



Follow us on
Facebook



Follow us on
YouTube



Follow us on
WeChat



Download "Hangcha
Forklift" App



ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

2023 VERSION 1.1 COPYRIGHT 2023/05

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.



A Series Man-down Turret Truck

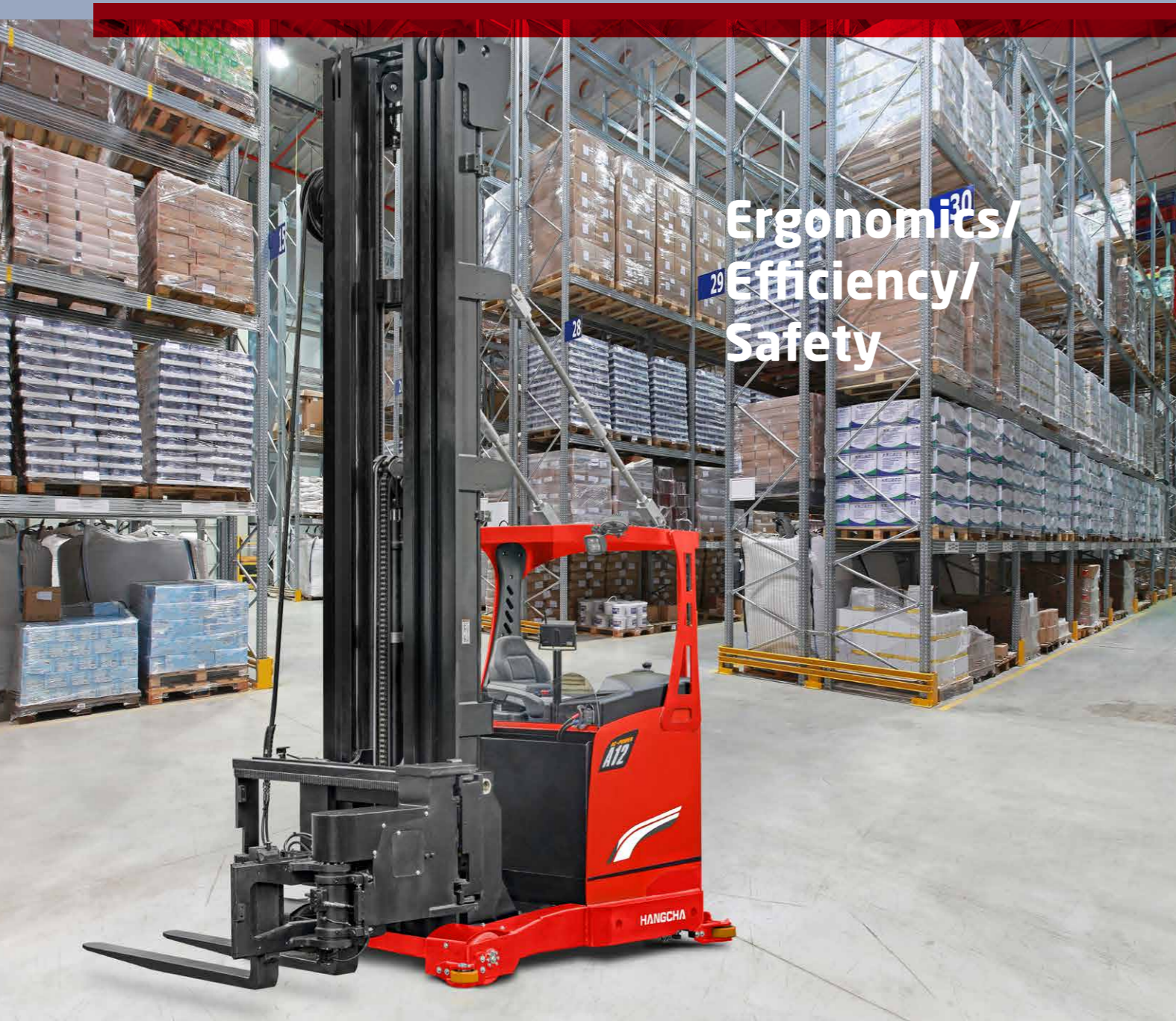
with capacities of 1,200kg

The World of Hangcha
SINCE 1956



A Series Man-down Turret Truck

A series Man-down Turret Truck is applicable for use in warehouses that need to be upgraded or have limited storage space. The attachment can rotate 180 degrees and can stack goods left and right from the aisle. This greatly improves the space utilization rate. The ergonomically-designed comfortable vehicle has a wide operating vision and a stable control system and is further optimized and improved in terms of configuration, parameter, performance, safety, cost, etc.



**Ergonomics/
Efficiency/
Safety**

Comfort

- / With its optimized ergonomic design and the imported Grammer fingertip system, proportional adjustments can improve the comfort and reliability greatly.
- / The soft and comfortable mechanical shock-absorbing seat can reduce the operator's fatigue.
- / The LORD sensor with an adjustable damping mechanism enables a good hand feel and a limiting function.
- / Spacious cab, suspension seat and intuitive layout of all controls all provide comfortable compartment. Low step in height is easy for access.



A perfect interface between operator and truck has been achieved with the HANGCHA ergonomic design concept

Safety

- / With mature technology, the ZF transmission assembly is highly reliable.
- / The regenerative braking system provides safer and more reliable driving.
- / Speed reductions functions makes the driving smoother and safer.
- / Synchronous swivel with stop at 90 degrees.
- / The smart of HANGCHA control system continuously monitors the truck's technical potential in order to deliver optimum simultaneous travel speeds relative to lift height.
- / All round visibility with the ergonomically designed structure improve the safety greatly.



Camera systems for driving and pallet handling



Rail or wire guidance

Stability

- / The center of gravity of the vehicle is moved backwards and the reduced load distance provides great longitudinal stability.
- / Proportional acceleration and proportional braking enable less impact during acceleration and braking.



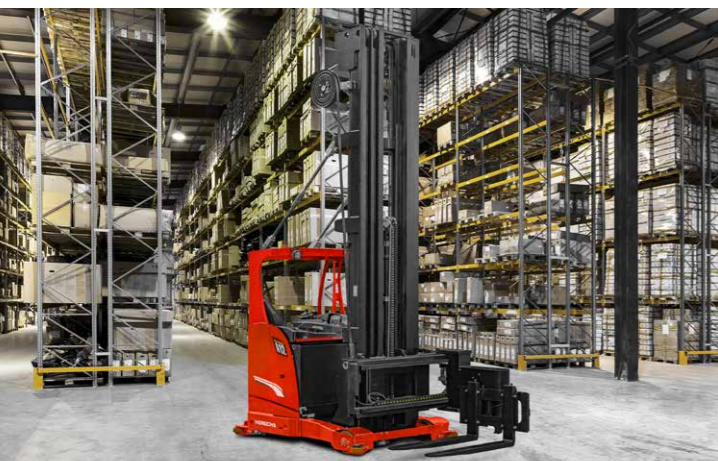
Fully open door enables easy repair and maintenance

Maintainability

- / AC drive motor and lifting motor are all maintenance-free.
- / AC steering motor is maintenance-free also.



Battery side roll out



Productivity

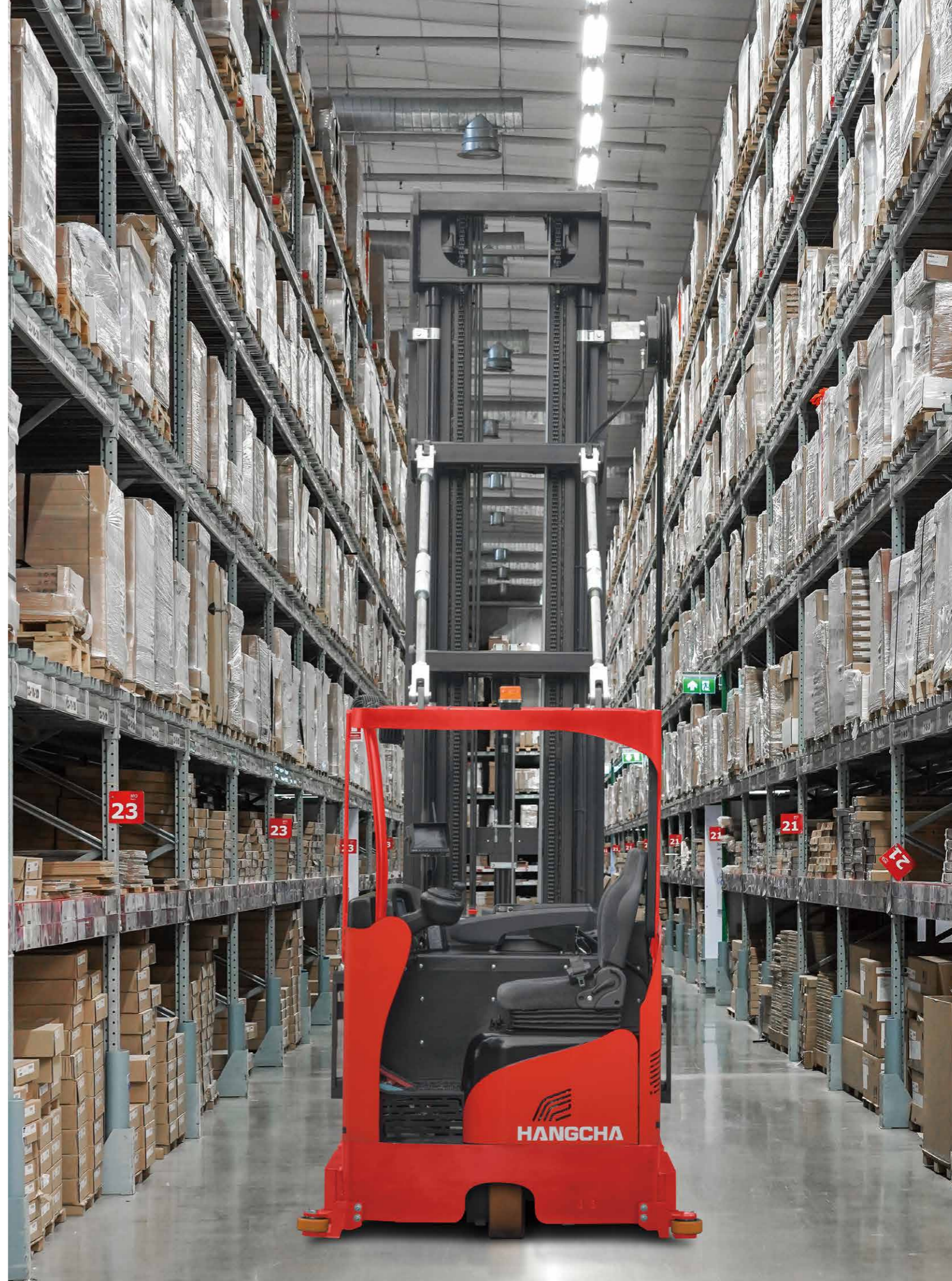
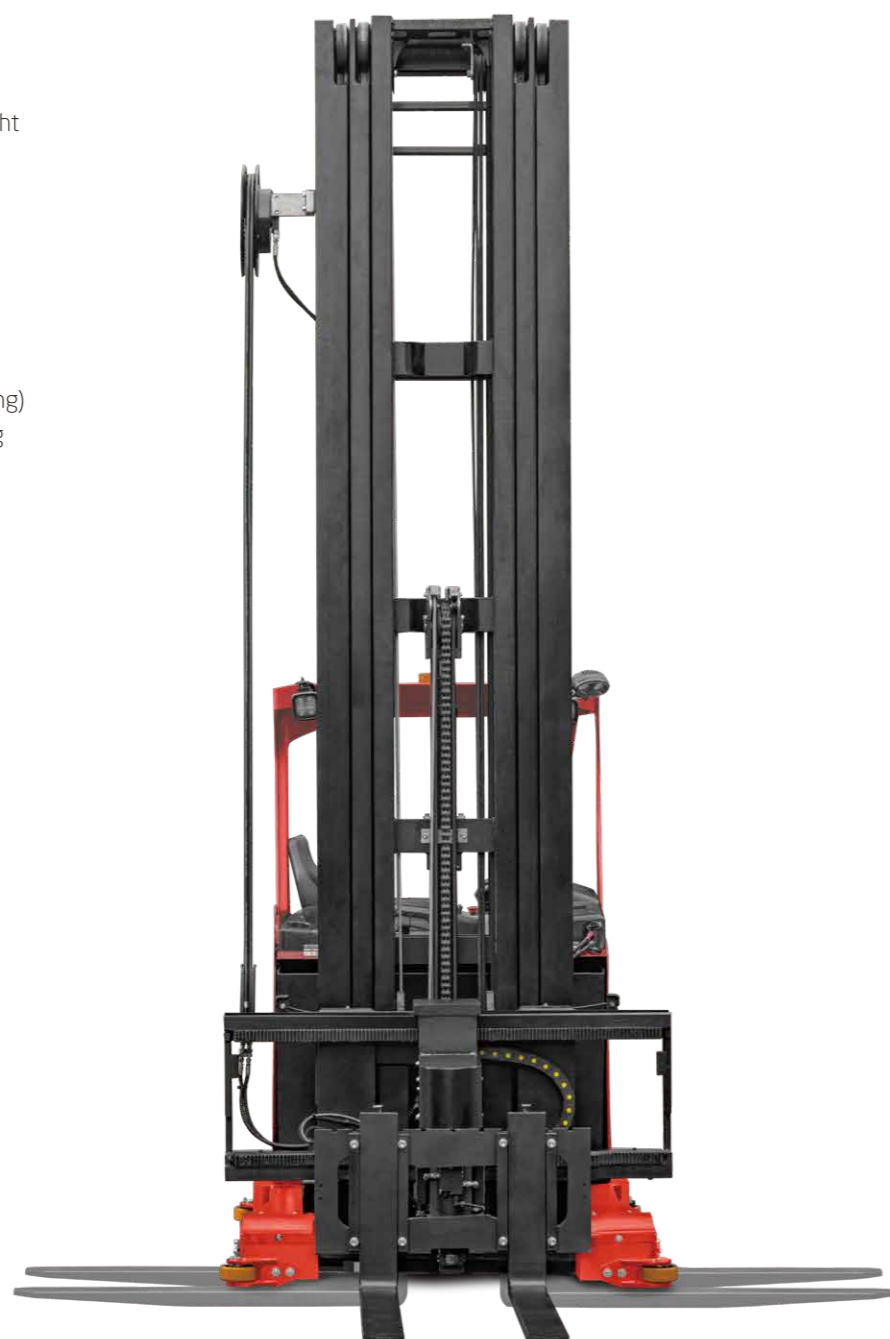
- / The unique modular design ensures that an individual truck specification can match the application precisely in order to maximise productivity at all times.
- / The driving system adopts a gearbox with a large speed ratio, so that the motor requires a higher speed and a smaller torque.
- / The LED headlights and alarm lights provided high brightness and low energy consumption.

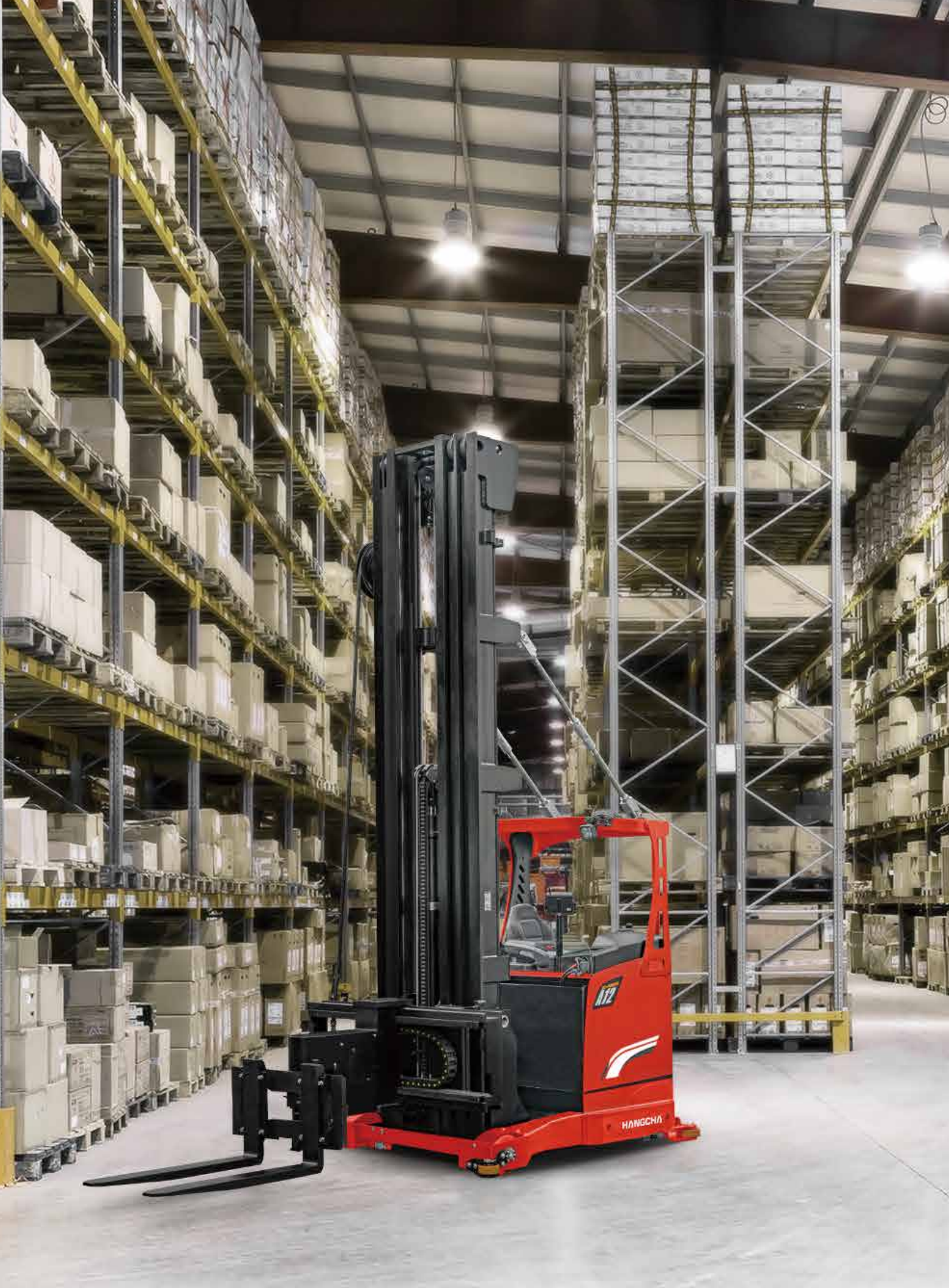
Standard configuration

- / Headlights (LED) + alarm lights (LED) + blue light
- / Sauer Danfoss quadruple valve
- / AC driving (6.5kw) + AC lifting (12.8kw)
- / EPS system
- / Fingertip system
- / Inmotion AC control system
- / Battery side roll out
- / LORD sensor
- / Regenerative braking (reversing, neutral, braking)
- / Camera systems for driving and pallet handling
- / Standard battery: 48V/525Ah
- / Duplex 5m mast
- / Lowering locking
- / Reversing buzzer

Options configuration

- / Altimeter
- / Pin code access
- / Retroreflector
- / Fire extinguisher
- / Maximum battery capacity: 775Ah
- / Lifting buffering
- / Lift height preselection
- / Fire extinguisher
- / Magnetic stripe guidance
- / Triplex mast
- / Soft landing
- / Lithium battery 51.52V/500Ah



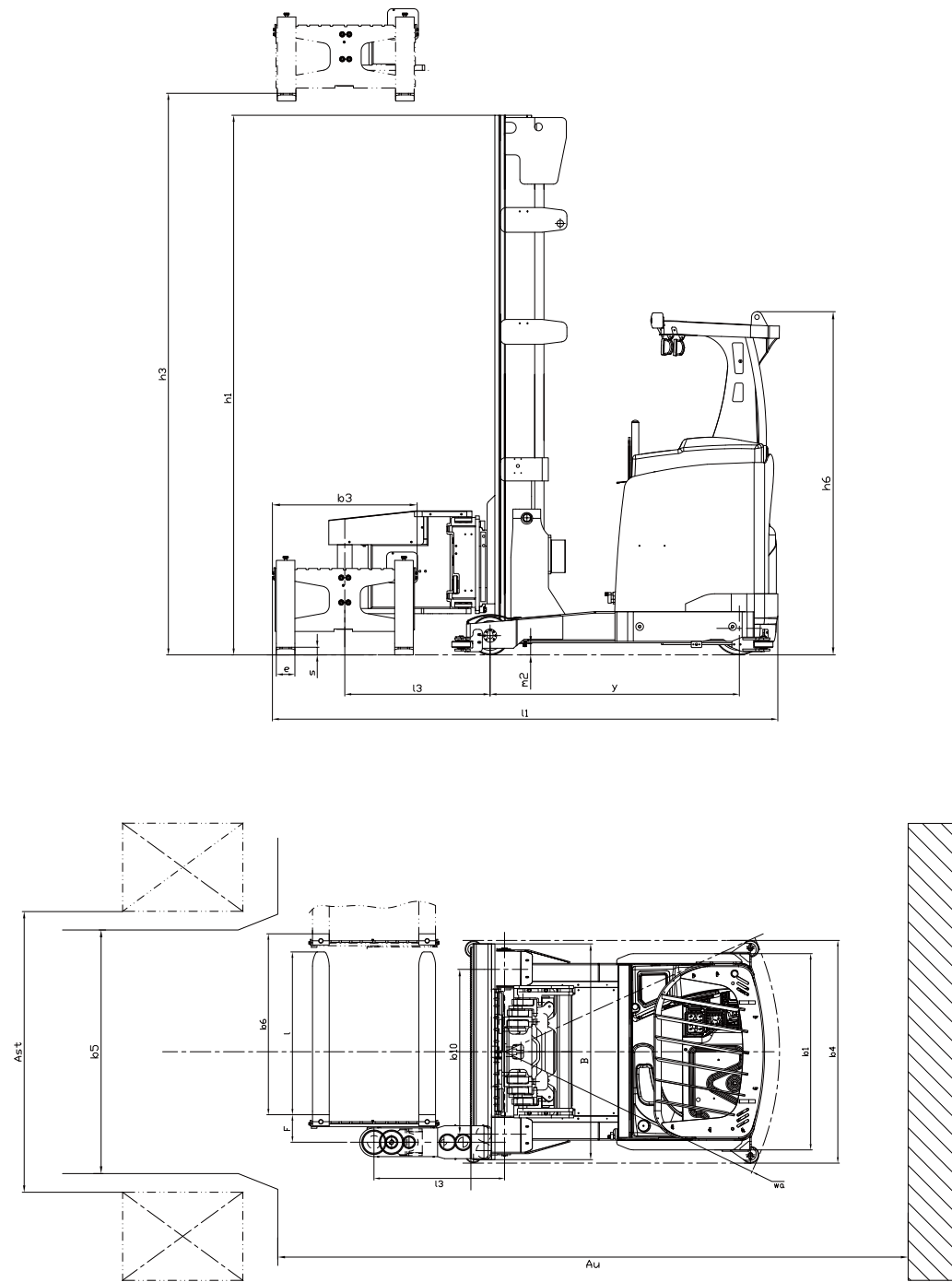


A Series 1.2t Man-down Turret Truck Specification

Characteristics	1.1	Manufacturer		HANGCHA GROUP CO.,LTD.
	1.2	Manufacturer's model designation		CSD12-AED2
	1.3	Power unit		Electric
	1.4	Operation		Seated
	1.5	Load carrying capacity	Q(kg)	1200
	1.6	Load centre	c(mm)	600
	1.9	Wheelbase	y(mm)	1610
Weight	2.1	Weight(incl.battery)	Kg	5065
Wheels	3.1	Tyres		Polyurethane
	3.2	Tyre size,front	mm	Ø343×140
	3.3	Tyre size,rear	mm	Ø250×105
	3.5	Wheels,number front/rear(x=drive wheel)		4/1×
	3.6	Track width,rear	b ₁₀ (mm)	1184
	Basic Dimensions	4.2	Height of mast,lowered	h ₁ (mm)
4.4		Lift height	h ₃ (mm)	5000
4.5		Height,mast raised	h ₄ (mm)	6000
4.7		Height to top of overhead guard	h ₆ (mm)	2216
4.19		Over length(incl.forks)	l ₁ (mm)	3264
4.21		Over width	b ₁ /b ₂ (mm)	1410/1500
4.22		Fork dimensions	s/e/l(mm)	50×122×1220
4.24		Width of fork carriage	b ₃ (mm)	900
4.27		Width over side guide rollers	b ₄ (mm)	1600
4.29		Lateral reach travel	b ₆ (mm)	1300
4.32		Ground clearance at centre of wheelbase	m ₂ (mm)	65
4.34		Aisle width	Ast (mm)	1750
4.35		Turning radius	Wa(mm)	1975
4.38		Centre of axle to fork pivot	l ₃ (mm)	938
4.40		Width of reach carriage	B(mm)	1550
4.41	Head width	F(mm)	155	
4.42	Transfer aisle width(min.)	Au(mm)	3800	
Performance	5.1	Travel speed,with/without load	Km/h	6/8
	5.2	Lift speed,with/without load	m/s	0.300/0.400
	5.3	Lowering speed,with/without load	m/s	0.400/0.300
	5.4	Reach speed,with/without load	m/s	0.100/0.100
	5.10	Brakes		Regenerative
	E-motors	6.1	Drive motor,power S2 60 min	kW
6.2		Lift motor,Power at S3 15%	kW	AC 12.8
6.3		Battery		DIN-C
6.4		Battery type,voltage,capacity(5h)	V/Ah	48/525
6.5		Battery weight(±5%)	kg	1119
Misc	8.1	Type of drive control		INMOTION
	8.4	Noise level at operator's ear	dB(A)	<75

Mast Specification

Type	Model	Lifting height h ₃	Mast lowered h ₁	Mast extended h ₄	Free lifting height h _z	Load capacity center at 600mm	
						1.2t	kg
Wide view duplex mast	ASE12M	5000	3500	6000	/	1200	1150
		5500	3700	6500	/	1100	1050
		6000	4000	7000	/	1000	950
		6500	4250	7500	/	900	850
		7000	4500	8000	/	800	750
		7500	4750	8500	/	700	650
		8000	5000	9000	/	600	550
		8500	5250	9500	/	500	450
		9000	5500	10000	/	400	350
		Full free triplex mast	ASE12N	5000	2800	6100	1700
5500	2970			6620	1850	1100	1050
6000	3140			7140	2000	1000	950
6500	3310			7610	2200	900	850
7000	3480			8130	2350	800	750
7500	3650			8650	2500	700	650
8000	3810			9110	2700	600	550
8500	3980			9630	2850	500	450
9000	4140			10140	3000	400	350
9500	4300			10600	3200	300	250
10000	4500	11150	3350	200	150		



RATED CAPACITY AND LOAD DIAGRAM

