

The AMS logo consists of the letters 'AMS' in white, bold, sans-serif font, centered within a red rounded square.

ADVANCED
MECHATRONICS
SOLUTIONS, INC



AUTO-ELECTRIC FORKLIFT AGV

SMART TECH

Automated Guided Vehicles (AGVs) and smart robotic forklifts are rapidly becoming a mainstay and necessity for small and large factories alike. Human labor and management not required with state-of-the-art forklift AGVs.



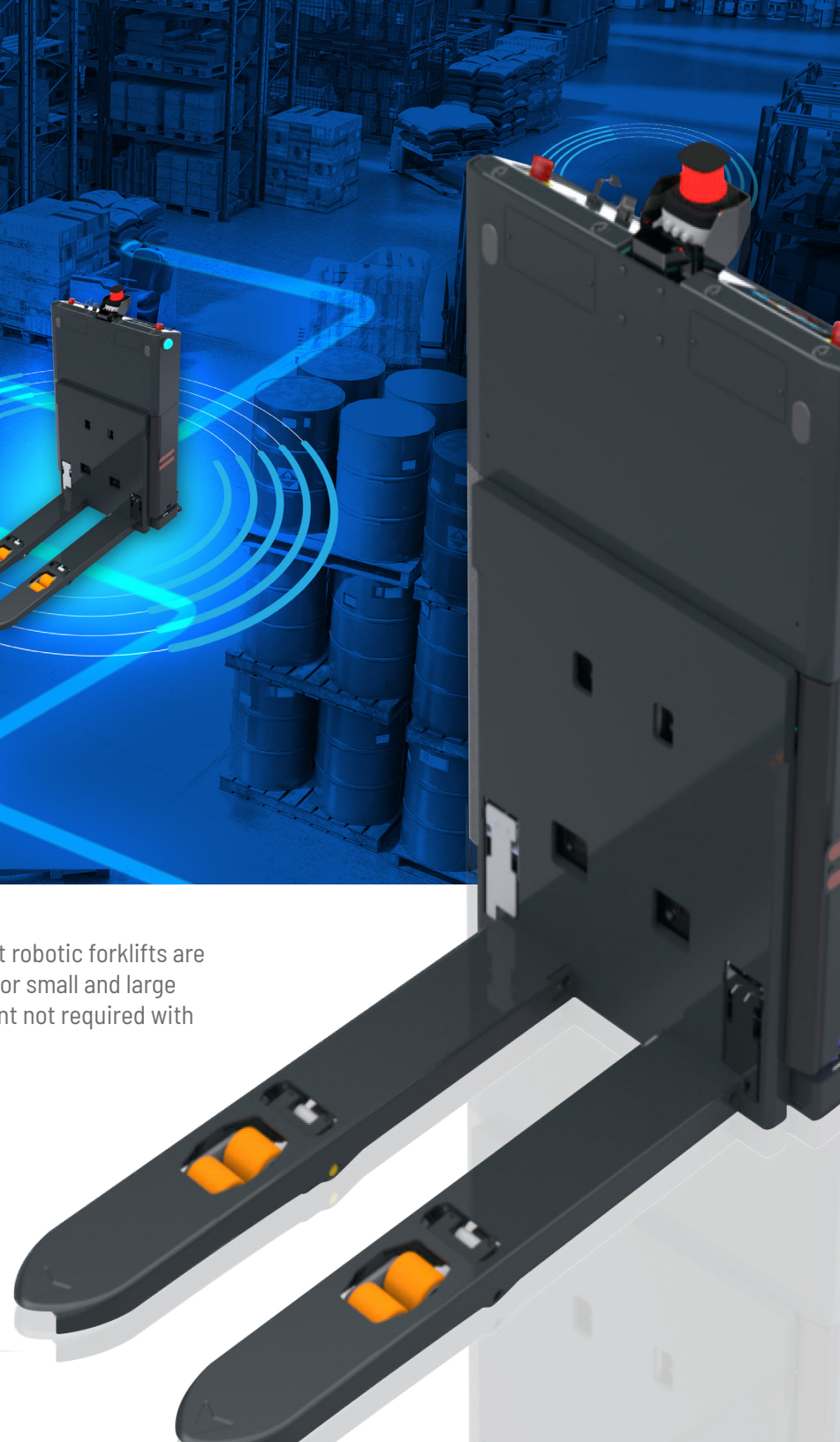
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SPECIFICATIONS

	Item	Mark	Unit		
Features	1.1	Manufacturer		Standard	
	1.2	Model		CBD20H-YD	
	1.3	Power Type: Electric, Diesel, Gasoline		Electric	
	1.4	Driving Mode: Manual, Walking		AGV	
	1.5	Rated Carrying Capacity	Q	kg	2000
	1.6	Load Center Distance	C	mm	500
	1.7	Front Overhang	X	mm	700
	1.8	Wheelbase	Y	mm	877
Weight	2.1	Weight (including battery)		kg	557
	2.2	Bridge Load at Full Load: Drive		kg	942/1615
	2.3	Bridge Load at No Load: Drive		kg	340/217
Wheels	3.1	Tire Type: Solid Rubber			Polyurethane
	3.2	Tire Size: Drive Wheel	$\Phi \times W$	mm	$\Phi 230 \times 75$
	3.3	Tire Size: Load-bearing Wheel	$\Phi \times W$	mm	$\Phi 80 \times 54$
	3.4	Tire Size: Balance Wheel	$\Phi \times W$	mm	$\Phi 65 \times 55$
	3.5	Number of Wheels: Driving			1x-2/4
	3.6	Wheelbase: Drive Side	b10	mm	380
3.7	Wheelbase: Load-bearing Side	b11	mm	646	
Basic Sizes	4.1	Total Height	h1	mm	1430
	4.2	Lifting Height	h3	mm	120
	4.3	The Height of the Fork Surface	h5	mm	85
	4.4	Ground Height of Charging Brush	h6	mm	500
	4.5	Height When the Fork is Lowered	h13	mm	85
	4.6	Body Length	i1	mm	1506
	4.7	Distance from Fork Surface to Front	i2	mm	356
	4.8	Body Width	b1	mm	878
	4.9	Fork Size	s/e/l	mm	61/180/1150
	4.10	Outer Width of Fork, Min/Max	b5	mm	570/680
	4.11	Ground Clearance of Wheelbase Center	m2	mm	42.5
	4.12	Right-angle Stacking Channel Width	Ast	mm	1730
	4.13	Minimum Turning Radius	Wa	mm	1060
Functions	5.1	Driving Speed: Full Load/No Load		km/h	5/6
	5.2	Lifting Speed: Full Load/No Load		mm/h	30/35
	5.3	Lowering Speed: Full Load/No Load		mm/h	42/30
	5.8	Maximum Climbing Capacity, Fully		%	3/5
	5.1	Braking Method			Electromagnetic
Electrical	6.1	Drive Motor Power (S2, 60 minutes)		kw	1.25
	6.2	Hoisting Motor Power (S3, 7.5%)		kw	1.3
	6.3	Steering Motor Power (S2, 10 minutes)		kw	0.16
	6.4	Battery Type, DIN/BS/JIS/GB			Lithium Iron
	6.5	Battery Voltage/Rated Capacity (5 hours)		V/Ah	24/180
	6.6	Battery Weight		kg	58
Others	8.1	Drive Control Mode			AC Speed Feedback
	8.2	Noise at the Driver's Ear		dB (A)	≥ 70

