



Articulating Booms

BM12 / BM17 / BM17C / BM21A

ALVOX
MACHINES



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Articulating Booms

This machine has articulation boom which can work across the obstacle. It can carry two people and some tools in the basket. The machine allows you to operate it in limited place with narrow design and small radius turning system. You can operate the machine from basket or base control, so when you want to move it, you do not need to go down the machine. Multi-motion control allows you to operate several actions simultaneously. With this machine, you can do work more efficient and comfortable.

Easy/
Efficiency/
Economy

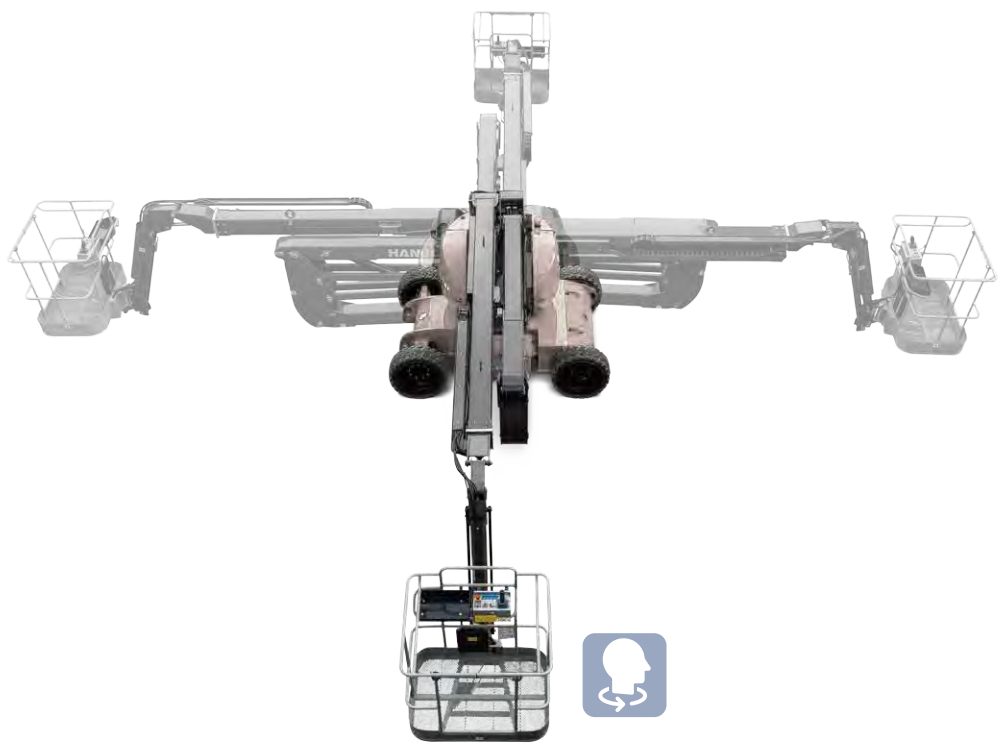


Standard specification

- / Electrical battery traction
- / Negative brakes
- / Lifting brake
- / Hour meter
- / Warning buzzer in the basket
- / 220V predisposal
- / Voltage indicator
- / Safety manual pump
- / Bus CAN technology
- / Diagnostic help integrated
- / Dual electrical motors
- / No marking tires
- / Anti-roll system
- / Integrated charger

Options

- / Working lights
- / Flashing light(all motion alarm)
- / Buzzer
- / Air predisposal
- / Electrical plug 220V
- / Over-load sensor system



Basket: can be rotated left and right at an Angle of 140°



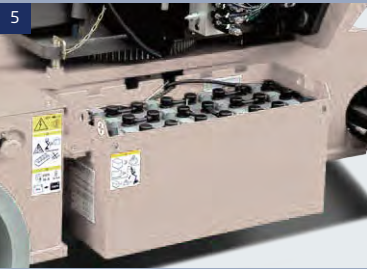
Base control box: the control box can be used to control each action of the device, easy to understand



Tires: foam-filled tires with good off-road performance



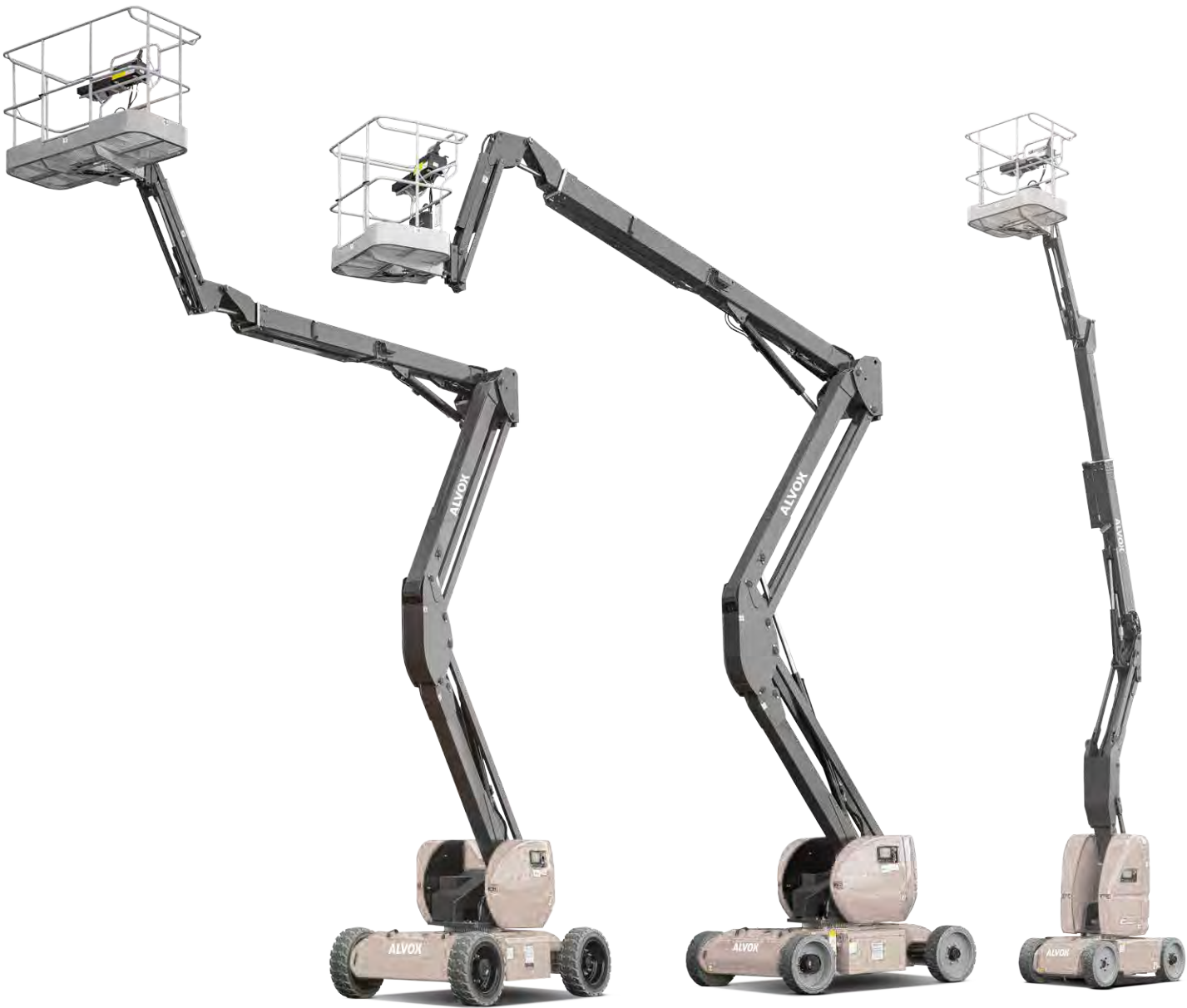
Basket control box: each action of the device can be controlled through the control box to quickly reach the working area, and the control is simple and easy to understand



Standard tracking battery: Reduce 40% of the charge time, raise 50% of the life time

Features

- / Increase the ground clearance to improve passability;
- / This platform is provided with rough terrain tires, which are more suitable for working outside;
- / The driving speed is 6.1km/h.
- / Climbing performance is increased to 30%;
- / Integrated design of motor and reducer. The motor controls the reducer to brake, reducing the impact of braking and improving the user's comfort.
- / Potentiometer is installed on the equipment, so that the left and right wheels have different speed when steering, so the steering is more stable.
- / The drive motor is AC motor.



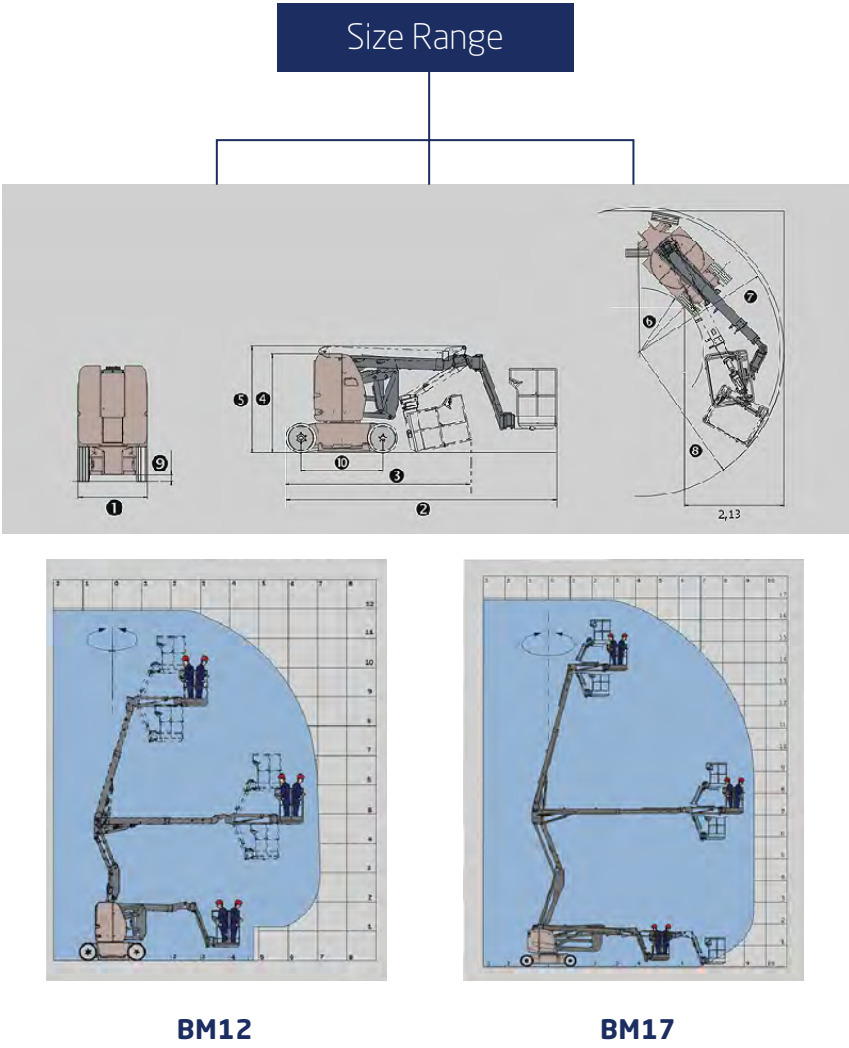
BM17C

BM17

BM12

Articulating Booms

1	Manufacturer		ALVOX		
2	Model		BM12	BM17	BM17C
3	Working height	m	11.95	16.75	16.95
4	Platform height	m	9.95	14.75	14.95
5	Horizontal height	m	7.00	9.43	9.43
6	Up and over height	m	4.77	7.16	7.3
7	Length	m	5.48	6.84	6.9
8	Length (storage)	m	3.74	5.4	5.4
9	Wheel base	m	1.65	2	2
10	Width	m	1.22	1.75	1.75
11	Height	m	1.99	2.09	2.15
12	Height (storage)	m	2.16	2.09	2.15
13	Basket size	m	1.20x0.77	1.20x0.77	1.20x0.77
14	Turning radius inside	m	1.55	2.0	2.0
15	Turning radius outside	m	3.25	4.30	4.30
16	Turning radius outside (basket)	m	3.34	5.6	5.6
17	Ground Clearance	m	0.10	0.15	0.20
18	Capacity	kg	200	200	230
19	Jib movement		±70°	±70°	±70°
20	Basket rotation		140°	140°	140°
21	Turret rotation		350°	355°	355°
22	Drive speed	km/h	6.00	4.50	6.10
23	Working speed	km/h	0.60	0.60	0.60
24	Gradeability	%	25%	22%	30%
25	Maxi slope acceptable	%	3° or 5%	3° or 5%	3° or 5%
26	Tires	m	0.60x0.19	0.60x0.19	0.73x0.225
27	Wheel steer		2	2	2
28	Wheel drive		2	2	2
29	Batteries (C5)	V/Ah	300Ah,2x24V	300Ah,2x24V	300Ah,2x24V
30	Weight	kg	6550	7030	7130



BM12

BM17

Your reliable partner for outdoor construction and industrial applications, the ALVOX first rough terrain articulating boom lift with capabilities provides lifting versatility with a combination of up, out and over positioning capabilities.

Safe and reliable

- / Swing shaft design, good off-road performance, keep stable when crossing potholes;
- / Middle arm frame, compact structure, safe and stable.
- / Control system redundancy design, cylinder to the top buffer design, the boom movement is smooth, comfortable operation;
- / All key parts adopt well-known brands in the industry, with high reliability;
- / Four-wheel electromagnetic braking;

Energy saving and efficient

- / Standard lithium iron phosphate battery, energy saving and environmental protection, short charging time, long life;
- / Gravity drop hydraulic system, energy saving, strong endurance;
- / The whole vehicle with ac system, high efficiency;
- / Using proportional valve, stepless speed regulation, fast response, stable operation;
- / Equipped with large size platform and three doors design.

Intelligent

- / Cloud intelligent module, which can realize the remote management of vehicles.

Storage

- / Can be transported by container.



BM21A

BM21A Specification

1	Manufacturer	ALVOX
2	Max. platform height	18.80m
3	Max. working height	20.80m
4	Max. up and over height	8.28m
5	Max.horizontal height	11.45m
6	Max.horizontal working height	11.95m
7	Overall length	8.63m
8	Overall width	2.49m
9	Width(storage, change the tyres for container)	2.3m
10	Overall height	2.43m
11	Wheel base	2.5m
12	Grand clearance	0.31m
13	Platform size	2.2m×0.8m×1.1m
14	Tire	315/55 D20
15	Capacity	255kg(350kg)
16	Operators	2
17	Max. Manual force	400N
18	Max.driving speed (transport mode)	6.1km/h
19	Max. driving speed(working mode)	0.8km/h
20	Mini. turnig radius inside	2.05m
21	Gradeability	40%
22	Max. slope angle	5°
23	Turret rotation	360°continually
24	Tail swing	0.31m
25	Max. wind speed	12.5m/s
26	Basket rotation	180°
27	Jib movement	70°/-60°
28	Wheel drive	4WD×2WS
29	Drive motor	6kW
30	Hydraulic motor	3.3kW
31	Oil tank	60L
32	Lithium battery	48V, 375Ah
33	Electrical system voltage	48V
34	Control system voltage	12V
35	Weight	9300kg
36	Tire load	5000kg

