



APJ JUIBANG TECHNOLOGY PRODUCT MANUAL

AERIAL WORK TRUCK SERIES

Foldable work baskets

- Self-patented
- + customizable
- + foldable
- + light weight
- + high strength



Panoramic operation room

- Good visibility
- + can be equipped with air conditioning
- + convenient operation



Big arm automatic limiting

- Automatic limiting
- + safety operation



Wind speed detector

- Automatic adjustment of limiting distance
- and operating height according to the size
- of wind speed



Load Detector

- Automatic height limiting range
- according to the load



27m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 200kg	Number of variable speed cylinders: 1
Drive mode: rear drive	Maximum working height: 27m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at maximum operating height: 3m	Wheelbase: 3360mm
Number of rear tires: 4	Maximum operating range: 12m	Maximum driving speed; 99km/h
Braking method: Oil break brake	Operating height at maximum operating range: 17m	Approach angle: 27°
Number of drivers: 2 people	Leg span (lateral): 4140mm	Departure angle: 11 °
Temperature regulation: air conditioning	Leg span (longitudinal): 4300mm	Operation mode: remote control/electric control/manual
Full diesel engine/Isuzu engine	Power take-off system: mechanically operated	Equipped with automatic emergency operation
Engine horsepower: 115p	Working platform: 1400*710*1200mm	Control system: CAN bus control system
Emissions: National 6 emissions	Boom form: four-section hexagonal working arm	Leveling system: hydrostatic automatic leveling
Total size: 5995*2000*3000mm	Rotation device: 360 degree continuous rotation	Control voltage: 12v
Total mass: 4495kg	Legs: front V and rear H type	

Featured functions and safety configurations

Automatic interlocking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Automatic emergency pump
When a malfunction occurs, personnel can be sent back to the ground through the emergency system

Emergency stop device for work platform
Used for emergency stop operations and to limit boom operation

Automatic limit of working range
When the working amplitude reaches the specified value, the direction is automatically limited

Unrestricted support and restricted work
If the landing of the legs is not in real-time, the lifting arm will limit the direction

Night safety warning device
There are engineering strobe lights and LED lighting on the vehicle

Square hydraulic support leg
Compared to traditional hydraulic support legs, it has stronger load-bearing capacity

Eighteen sided working arm
Compared to quadrilateral or hexagonal work arms, the octagonal type has higher stability

28m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 200kg	Number of variable speed cylinders: 2
Drive mode: rear drive	Maximum working height: 28m	Telescopic structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at operating height: 5m	Wheelbase: 2800mm
Number of rear tires: 4	Maximum operating range: 14m	Maximum driving speed; 98km/h
Braking method: air-break brake	Operating height at maximum operating range: 24m	Approach angle: 20°
Number of drivers: 2 people	Leg span (lateral): 4462mm	Departure angle: 13°
Temperature regulation: air conditioning	Leg span (longitudinal): 4918mm	Operation mode: remote control/electric control/manual
Engine: Isuzu	Power take-off system: mechanically operated	Equipped with automatic emergency operation
Engine horsepower: 122p	Working platform: 1400*710*1200mm	Control system: CAN bus control system
Emissions: National 6 emissions	Arm form: (five/six sections) octagonal	Leveling system: hydrostatic automatic leveling
Total size: 5995*2000*3050mm	Rotation device : 360 degree continuous rotation	Control voltage: 24v
Total mass: 4495kg	Outriggers: From V-back H-shaped	

Featured functions and safety configurations

Automatic interlocking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Automatic emergency pump
When a malfunction occurs, personnel can be sent back to the ground through the emergency system

Emergency stop device for work platform
Used for emergency stop operations and to limit boom operation

Automatic limit of working range
When the working amplitude reaches the specified value, the direction is automatically limited

Unrestricted support and restricted work
If the landing of the legs is not in real-time, the lifting arm will limit the direction

Night safety warning device
There are engineering strobe lights and LED lighting on the vehicle

Square hydraulic support leg
Compared to traditional hydraulic support legs, it has stronger load-bearing capacity

Eighteen sided working arm
Compared to quadrilateral or hexagonal work arms, the octagonal type has higher stability

30.5m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 200kg	Number of variable speed cylinders: (1/2)
Drive mode: rear drive	Maximum working height: 30.5m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at maximum operating height: 5m	Wheelbase: 2800mm
Number of rear tires: 4	Maximum operating range: 16m	Maximum driving speed: 99km/h
Braking method: air-break brake	Operating height at maximum operating range: 25m	Approach angle: 20°
Number of drivers: 2 people	Leg span (lateral): 4462mm	Departure angle: 13°
Temperature regulation: air conditioning	Leg span (longitudinal): 4918mm	Operation mode: remote control/electric control/manual
Engine: Isuzu engine	Power take-off system: mechanically operated	Equipped with automatic emergency operation
Engine horsepower: 122p	Working platform: (1400/1800)*700*(1200/1000)mm	Control system: CAN bus control system
Emissions: National 6 emissions	Boom form: (Section 6/7) Eighteen Sides	Leveling system: hydrostatic automatic leveling
Total size: 5920*2000*(3050/2680)mm	Rotation device: 360 degree continuous rotation	Control voltage: 12v
Total mass: 4495kg	Legs: X-type hydraulic legs, individually adjustable	

Featured functions and safety configurations

Automatic inter locking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Automatic emergency pump

When a malfunction occurs, personnel can be sent back to the ground through the emergency system

Emergency stop device for work platform

Used for emergency stop operations and to limit boom operation

Automatic limit of working range

When the working amplitude reaches the specified value, the direction is automatically limited

Unrestricted support and restricted work

If the landing of the legs is not in real-time, the lifting arm will limit the direction

Night safety warning device

There are engineering strobe lights and LED lighting on the vehicle

Square hydraulic support leg

Compared to traditional hydraulic support legs, it has stronger load-bearing capacity

Eighteen sided working arm

Compared to quadrilateral or hexagonal work arms, the octagonal type has higher stability

32m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 320kg	Number of variable speed cylinders: 2
Drive mode: rear drive	Maximum working height: 32m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at operating height: 4m	Wheelbase: 4700mm
Number of rear tires: 4	Maximum operating range: 22m	Maximum driving speed: 100km/h
Braking method: air-break brake	Operating height at operating range: 26m	Approach angle: 22°
Number of drivers: 3 people	Leg span (lateral): 6722mm	Departure angle: 10°
Temperature regulation: air conditioning	Leg span (longitudinal): 6852mm	Operation mode: remote control/electric control/manual
Engine: Yuchai	Power take-off system: operated	Equipped with automatic emergency operation
Engine horsepower: 153p	Working platform: 3000*1200*900mm	Control system: CAN bus control system
Emissions: National 6 emissions	Boom form: six section telescopic	Leveling system: hydrostatic automatic leveling
Total size: 7800*2340*3400mm	Rotary device: 360 degree rotation	Control voltage: 24v
Total mass: 10910kg	double-section X-shaped hydraulic legs, individually adjustable	

Featured functions and safety configurations

Automatic interlocking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Automatic emergency pump

When a malfunction occurs, personnel can be sent back to the ground through the emergency system

Emergency stop device for work platform

Used for emergency stop operations and to limit boom operation

Automatic limit of working range

When the working amplitude reaches the specified value, the direction is automatically limited

Unrestricted support and restricted work

If the landing of the legs is not in real-time, the lifting arm will limit the direction

Double rotary reducer

When the vehicle is equipped with rotary operation, it can effectively enhance stability

Double section hydraulic support legs

Compared to a single leg, it has a larger support span and a more stable work center of gravity

Dual amplitude cylinder

More stable load-bearing capacity can be provided during vehicle luffing operation

40m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 400kg	Number of variable speed cylinders: 2
Drive mode: rear drive	Maximum working height: 40m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at maximum operating height: 4m	Wheelbase: 4700mm
Number of rear tires: 4	Maximum operating range: 24m	Maximum driving speed: 100km/h
Braking method: air-break brake	Operating height at maximum operating range: 29m	Approach angle: 22°
Number of drivers: 3 people	Leg span (lateral): 7205mm	Departure angle: 10°
Temperature regulation: air conditioning	Leg span (longitudinal): 7400mm	Operation mode: remote control/electric control/manual
Engine: Cummins/Yuchai	Power take-off system: mechanically operated	Equipped with automatic emergency operation
Engine horsepower: 200p	Working platform: 3000*1200*900mm	Control system: CAN bus control system
Emissions: National 6 emissions	Seven-section polygonal synchronous expansion	Leveling system: hydrostatic automatic leveling
Total size: 8900*2380*3650mm	Rotation device: 360 degree continuous rotation	Control voltage: 24v
Total mass: 14500kg	Legs: three X-shaped hydraulic legs, individually adjustable	

Featured functions and safety configurations

Automatic interlocking device for boarding and alighting Used for leg and upper interlock to prevent misoperation	Unrestricted support and restricted work If the landing of the legs is not in real-time, the lifting arm will limit the direction
Automatic emergency pump When a malfunction occurs, personnel can be sent back to the ground through the emergency system	Double rotary reducer When the vehicle is equipped with rotary operation, it can effectively enhance stability
Emergency stop device for work platform Used for emergency stop operations and to limit boom operation	Double section hydraulic support legs Compared to a single leg, it has a larger support span and a more stable work center of gravity
Automatic limit of working range When the working amplitude reaches the specified value, the direction is automatically limited	Dual amplitude cylinder More stable load-bearing capacity can be provided during vehicle luffing operation

45m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 400kg	Number of variable speed cylinders: 2
Drive mode: rear drive	Maximum working height: 45m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at maximum operating height: 3m	Wheelbase: 5000mm
Number of rear tires: 4	Maximum operating range: 28m	Maximum driving speed: 98km/h
Breaking method: air-break brake	Operating height at maximum operating range: 31m	Approach angle: 17°
Number of drivers: 3 people	Leg span (lateral): 8250mm	Departure angle: 9°
Temperature regulation: air conditioning	Leg span (longitudinal): 8378mm	Operating mode: remote control/electric control/manual
Engine: Cummins engine	Power take-off system: mechanically operated	Equipped with automatic emergency operation
Engine: horsepower: 230P	Working platform: 3200x850x1200mm	Control system: CAN bus control system
Emissions: National 6 emissions	Boom form: seven-section synchronous telescopic	Leveling system: hydrostatic automatic leveling
Total size: 9720*2550*3920mm	Rotation device: 360 degree continuous rotation	Control voltage: 24v
Total mass: 17700kg	Legs: three X-shaped hydraulic legs, individually adjustable	

Featured functions and safety configurations

Automatic interlocking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Load detector
Automatically adjust the safe span during operation based on different load capacities

Automatic limit of working range
When the working amplitude reaches the specified value, the direction is automatically limited

Wind speed detector
Automatically adjust the limiting distance based on the wind speed

Unrestricted support and restricted work
If the landing of the legs is not in real-time, the lifting arm will limit the direction

Double rotary reducer
When the vehicle is equipped with rotary operation, it can effectively enhance stability

Three hydraulic support legs
Compared to a single leg, it has a larger support span and a more stable work center of gravity

Dual amplitude cylinder
More stable load-bearing capacity can be provided during vehicle luffing operation

50m aerial work vehicle



Main technical parameters

Chassis	Rated load of working platform: 400kg	Number of variable speed cylinders: 2
Drive mode: rear drive	Maximum working height: 45m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at maximum operating height: 3m	Wheelbase: 5000mm
Number of rear tires: 4	Maximum operating range: 32m	Maximum driving speed: 98km/h
Braking method: air-break brake	Operating height at maximum operating range: 38m	Approach angle: 20°
Number of drivers: 3 people	Leg span (lateral): 8250mm	Departure angle: 13°
Temperature regulation: air conditioning	Leg span (longitudinal): 8378mm	Operation mode: remote control/electric control/manual
Engine: Heavy Duty German MAN	Power take-off system: mechanically operated	Equipped with automatic emergency operation
Engine horsepower: 250p	Working platform: 3200*850*1200mm	Control system: CAN bus control system
Emissions: National 6 emissions	Seven-section polygonal synchronous expansion	Leveling system: hydrostatic automatic leveling
Total size: 10120*2550*3920mm	Rotation device: 360 degree continuous rotation	Control voltage: 24v
Total mass: 18000kg	Legs: three X-shaped hydraulic legs, individually adjustable	

Featured functions and safety configurations

Automatic inter locking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Load detector

Automatically adjust the safe span during operation based on different load capacities

Automatic limit of working range

When the working amplitude reaches the specified value, the direction is automatically limited

Wind speed detector

Automatically adjust the limiting distance based on the wind speed

Unrestricted support and restricted work

If the landing of the legs is not in real-time, the lifting arm will limit the direction

Double rotary reducer

When the vehicle is equipped with rotary operation, it can effectively enhance stability

Three hydraulic support legs

Compared to a single leg, it has a larger support span and a more stable work center of gravity

Dual amplitude cylinder

More stable load-bearing capacity can be provided during vehicle luffing operation

56m aerial work vehicle



Main technical parameters

Chassis	Rated load of workingplatform: 400kg	Number of variable speed cylinders: 2
Drive mode: rear drive	Maximum working height: 56m	Arm structure: oil cylinder steel wire rope
Number of front tires: 2	Operating range at maximum operating height: 3m	Wheelbase: 5000mm
Number of rear tires: 4	Maximum operating range: 34m	Maximum driving speed: 98km/h
Breaking method: air-break brake	Operating height at maximum operating range: 39m	Approach angle: 20°
Number of drivers:3 people	Leg span (lateral): 8250mm	Departure angle : 13°
Tempetature regulation: air conditioning	Leg span (longitudinal): 8378mm	Operating mode: remote control/electric control/manual
Engine: HEAVY Duty German MAN	Power take-ioff system: mechanically operated	Equipped with automatic emergency operation
Engine: horsepower: 250P	Working platform: 3200850*1200mm	Control system: CAN bus control system
Emissions: National 6 emissions	Seven section hexagonal synchronous expansion	Leveling system: hydrostatic automatic leveling
Total size: 10120*2550*3920mm	Rotation device: 360 degree continuous rotation	Control voltage: 24v
Total mass: 18700kg	Legs: three X-sheped hydraulic legs, individually adjustable	

Featured functions and safety configurations

Automatic interlocking device for boarding and alighting
Used for leg and upper interlock to prevent misoperation

Load detector
Automatically adjust the safe span during operation based on different load capacities

Automatic limit of working range
When the working amplitude reaches the specified value, the direction is automatically limited

Wind speed detector
Automatically adjust the limiting distance based on the wind speed

Unrestricted support and restricted work
If the landing of the legs is not in real-time, the lifting arm will limit the direction

Double rotary reducer
When the vehicle is equipped with ritary operation, it can effectively enhance stability

Three hydraulic support legs
Compared to a single leg, it has a larger support spam and a more stable work center of gravity

Dual amplitude cylander
More stable load-bearing capacity can be provided during vehicle luffing operation

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