

海纳百川  
推群独步



JUNMA

Bulldozer series



**Jiangsu Junma Heavy Industry Co., Ltd.**

Add: No. 288, West Jijiang Road, Jingjiang City, Jiangsu Province, China

Tel: +86-523-84508239 Email: [info@junma-group.com](mailto:info@junma-group.com) Web: [juma-group.com](http://juma-group.com)

Mob/WeChat/WhatsApp: 0086 18861023008, Southeast Asia Sales: 0086 15252623100

**Jiangsu Junma Heavy Industry Co., Ltd.**



## Company profile

- Jiangsu Junma Heavy Industry Co., Ltd. is located at West Jijiang Road, Jingjiang City, Jiangsu Province, China. The company has passed the ISO9001 quality management system certification, and the leading model products have obtained the product type test report issued by the national inspection and testing agency.
- The company's business scope covers the R&D, production, sales, leasing, maintenance, import and export business of complete construction machinery and accessories. Its leading product is the "Junma" brand bulldozer, and the planned annual output is 1000 crawler bulldozers. Adhering to the concept of "being a pure person and doing things professionally", the company strives to provide more and better quality products and services for customers at home and abroad with cohesion and pragmatic development, so as to give back the care and support of new and old customers at home and abroad. The "Junma" series bulldozers developed and produced by the company adopt the international advanced production technology of crawler bulldozers, and upgrade the research and development of key components and key processes to better meet the needs of users. "JUNMA" bulldozer series products include JM16 series, JM18 series, JM22 series and JM32 series, and can also be customized according to customer requirements such as working conditions, operating environment and user experience.
- After a long period of market accumulation, the company has formed a mature domestic and foreign market channel. Adhering to the service concept of "Junma service, professional focus", the company provides full life cycle service solutions and technical support for the production and sales of complete machine products. Providing customers with excellent products, systematic parts support and perfect service guarantee is our driving force for continuous progress.



## 160HP - Mechanical Transmission Series

### JM 16M Mechanical Bulldozer

#### Product features

- JM 16M mechanical transmission series bulldozer adopts mechanical transmission, featuring high technology content, advanced and reasonable design, strong power and high production efficiency.
- It is applicable to the transportation, excavation, backfilling of earthwork and other bulk materials on roads, railways, mines, airports and other surfaces. It is an indispensable engineering machinery for construction of national defense projects, mine construction, urban and rural roads and water conservancy construction.
- JM 16M is a standard bulldozer, in addition, JM 16MC JM 16MF. JM 16MS bulldozer.



### JM 16MF Mechanical Logging Bulldozer

#### Product features

- JM 16MF mechanical forest logging bulldozer is developed according to the needs of forest operation environment. The forward anti roll frame can effectively protect the whole machine, and the operating device is easy and flexible to operate. It is applicable to the construction of forest logging sites.
- The rear end of the bulldozer is equipped with a winch to complete forest logging and hauling and other operations requiring hauling by means of winch traction. Winches are provided for operations in dangerous areas. If necessary, the bulldozer can rescue itself.



### JM 16MS Mechanical Super Wetland Bulldozer

#### Product features

- JM 16MS mechanical super wetland bulldozer is developed according to the needs of construction operation in marsh and wetland conditions, and is an ideal engineering operation machine in soft soil, wetland, mud and marsh areas.
- The extra wide triangular wetland track shoe can avoid the machine sinking when working in soft soil, wetland, swamp and other soft material workplaces.



## 160HP - Hydraulic Transmission Series

JM 16 hydraulic transmission series bulldozer has the characteristics of high technology, advanced and reasonable design, strong power, high production efficiency, etc. It can adapt to a more harsh operating environment and is easy to maintain.

It is applicable to the transportation, excavation, back filling of earthwork and other bulk materials on roads, railways, mines, airports and other surfaces. It is an indispensable engineering machinery for construction of national defense projects, mine construction, urban and rural roads and water conservancy construction.

JM 16, JM 16C, JM 16F, JM 16S and JM 16R are 120kW (160hp) bulldozers with hydraulic transmission.

### JM 16 Standard Bulldozer

#### Product features

- Weichai WP10G178E355 engine has sufficient power, is easy to maintain, has the advantages of high combustion efficiency, and meets the national III emission standard.
- Planetary power shift, forced lubrication gearbox and hydraulic power assisted steering system make the machine easy to operate, with high power transmission and high production efficiency.
- Closed system can keep the water tank pressure at a specific value, which can improve the evaporation temperature and heat dissipation efficiency of cooling water. The fan power comes from the engine, and the forced air supply can increase the cooling effect.
- The mainstream 14MPa working hydraulic system has stable operation and overload protection function, which can greatly reduce the failure rate of hydraulic components.
- The use of waterproof connectors, new relays and integral injection molded instrument panel of the whole vehicle can effectively avoid electrical system failures. The instrument box integrates air conditioning, electrical appliances and instruments, making it more beautiful and high-end.
- The main frame of the full box type structure adopts the steel plate welded full box type integral structure, which is welded with the rear axle box as a whole. It has a high capacity to bear impact loads and resist bending and torsion. High quality welds ensure that the main frame has a full life cycle.
- The swing type of the splay beam and the suspension structure of the balance beam, which connect the rack and the walking system, can transfer the working load and impact load during operation to the main frame, effectively improving the stability during operation under complex working conditions.
- The standard straight tilt bulldozer has a strong cutting force and a three tooth scarifier, which can be used to loosen clay, hardened frozen soil and other soil layers, and has high efficiency and super penetration.



## 160HP - Hydraulic Transmission Series

### JM16F Forest Logging Bulldozer

#### Product features

- JM16F forest logging bulldozer is developed according to the needs of forest operation environment. It adopts hydraulic transmission, hydraulic control technology, and forward anti roll frame to effectively protect the whole machine. It has advanced and reasonable structure, stable performance, and easy and flexible operation.
- It is applicable to the construction operations in forest logging sites. At the same time, a winch is equipped at the rear end of the bulldozer to complete forest logging consignment and other operations requiring traction by means of winch traction. If necessary, a winch can be equipped for bulldozer self rescue when working in dangerous areas.
- The standard logging shovel can forcefully clear all kinds of thorns and obstacles on the logging road, so that the bulldozer can efficiently complete the logging operation.
- The winch is used for dragging trees and bulldozer self rescue in forest operation. The powerful traction ensures efficient operation efficiency, and the unique self rescue function of the winch ensures the safety of the operator.



### JM16S Super Wetland Bulldozer

#### Product features

- JM16S super wetland bulldozer is developed according to the needs of construction operations in swamp and wetland conditions. It is applicable to construction operations in soft soil, wetland and swamp areas, and is an indispensable engineering machinery for construction in soft places such as water conservancy construction.
- The extra wide triangular wetland track shoe can avoid the machine sinking when working in soft soil, wetland, swamp and other soft material workplaces.
- The larger width height ratio of the blade can better scrape the soft soil layer, which is suitable for the soft soil in various marshes and other places. The special design makes it more efficient.



### JM16R Sanitation Bulldozer

#### Product features

- JM16R sanitation bulldozer is developed according to the needs of domestic urban sanitation treatment plants. It is suitable for landfill, leveling, semi compaction, stacking and other operations in the garbage field, and can also be used for the traction of garbage iron trough and treatment tank station. It is an ideal operation machine for sanitation treatment plants, wetlands and marshland.
- The 8.3m<sup>3</sup> sanitation shovel is equipped with strong cutting force and durability, which can deal with various working surfaces and efficiently handle the operation tasks in the sanitation field. The special heightening part on the upper part of the blade can prevent the working materials from entering the rear side of the blade.



### JM16E Extended Track Bulldozer

#### Product features

- JM16E lengthened bulldozer adopts lengthened trolley, with advanced and reasonable structure, flexible operation of working device, which can adapt to more severe operating environment and is convenient for maintenance.
- Suitable for operation in areas requiring low specific pressure.
- It is applicable to the pushing, excavation, backfilling of earthwork and other bulk materials on roads, railways, mines, airports, etc. It is an indispensable mechanical equipment for building construction and water conservancy construction of national defense projects, mine construction, urban and rural roads, etc.



## JM18MS Mechanical Super Wetland Bulldozer

### Product features

- JM18MS mechanical ultra wetland bulldozer is equipped with Weichai Steyr high-power engine, large capacity bulldozer, ZD self-lubricating track and ultra wide triangular wetland track shoes; The carrier pulley has been upgraded from two on one side to three, with longer service life, more stable equipment walking, and high work efficiency under high water content, marsh and viscous geological conditions.
- In terms of technology selection, Junma focuses on the technical route of low specific pressure and high adhesion of wetlands. The main HD18MS mechanical super wetland bulldozer is equipped with 1200 track shoes as standard. Aiming at the special working conditions of bogs and marshes, the track shoes are re optimized and molded. At the same time, the chain rails adopt self-lubricating technology. Compared with similar domestic products, they have lower ground pressure, higher adhesion and longer service life.



## JM18PL-6 Mechanical Super Wetland Bulldozer

### Product features

- JM18PL-6 chassis adopts 46 1100mm triangular crawler shoes, with a grounding length of 3350mm. The grounding pressure is appropriately increased, and the triangular crawler shoes also improve the grip, giving more effective play to the actual output efficiency of 201 horsepower, and more suitable for marsh mud working conditions. The chassis adopts oily chain rail links, which can increase the service life of the chain rail links by 100%. The capacity of the new fuel tank is up to 470 liters, 100 liters more than that of all similar models, greatly improving the working life and eliminating the annoyance of frequent refueling.
- Increase the tension adjustment stroke: after the bulldozer works for a long time, the track clearance increases, and many users will adopt chain link to ensure the tightness of the track. Therefore, JM18PL-6 increases the tension adjustment stroke. When the clearance is too large and the stroke of the inflation oil cylinder is not enough, the push shaft of the inflation oil cylinder can be equipped with adjustment pads of different specifications to increase the inflation stroke.
- JM18PL-6 iron case instrument housing assembly, beautiful and durable, effectively optimizes the cab space and improves the convenience of getting on the vehicle. The instrument adopts the international advanced ergonomic design concept, with clear and beautiful interface, rich, comprehensive and intuitive display information, and conforms to the user's operating habits. In terms of hardware configuration, Italian French semiconductor processor, 7-inch LCD screen and preferred connector are adopted, which fully meet the requirements of IP55 standard. In terms of product features, based on CAN bus technology, the reverse image function is integrated, and various function expansion interfaces are reserved. Sensor elements, GPS positioning and other modules can be introduced to realize various technical functions such as remote monitoring and analysis, close range visualization, remote control, etc. The 5A high-speed USB charging port and cigarette lighter are added to further improve the driving experience.



## 220 HP series

JM22 series bulldozers, adopting advanced technologies such as centralized lubrication, centralized pressure measurement, and automatic track tensioning, can be equipped with a variety of working devices and cabs to meet the operating requirements of various working conditions, and are ideal and efficient operating equipment for earthwork construction and bulk material shoveling.



## JM22 Standard Bulldozer

### Product features

- Re launch QSNT-C235 engine, with strong power, high efficiency and energy saving.
- High reliability power shift gearbox, stable hydraulic torque converter, and final drive with two-stage straight tooth structure can efficiently transmit power, with high transmission power and high production efficiency.
- The engine can work normally and reliably under any load conditions and any thermal environment required by the user without causing engine overheating.
- It can realize automatic fault diagnosis and whole process

monitoring. The integral cast instrument panel integrates air conditioning, electrical appliances and instruments, making it more beautiful and high-end.

- The main frame with a full box structure shall be made of high-performance materials and high-strength castings, and shall have a high capacity of bearing impact load and resisting bending and torsion. High quality welds shall ensure that the main frame has a full life cycle.
- Semi rigid suspension traveling system can increase the grounding area of the track and improve the traction of the vehicle.
- According to ergonomics, the driver's seat and armrest can be easily adjusted up, down, forward and backward. The speed change, steering and throttle control are placed on the left side, and the flexible shaft structure is used. The working device is placed on the right side, and the servo control system is used to make the operation process more light and flexible and reduce fatigue.
- The standard straight tilt bulldozer has strong cutting force and can cope with various difficult operating environments: large single tooth scarifier with adjustable penetration angle can be used for loosening clay, frozen soil and other soil layers, and can also be used for stripping gravel, hardened salt mines and other hard working surfaces.

## JM22C Coal Bulldozer

### Product features

- The coal pusher is developed according to the needs of the special project operating environment, and is applicable to the construction of loose materials such as power plants and ports. It is an indispensable mechanical equipment for bulk material workplaces such as power plants and large ports.
- The standard coal pusher has super capacity, super efficient operation efficiency and durability. It can cope with the high-intensity operation in power plants, ports and other places. The high-intensity box structure and high-performance materials ensure the excellent durability of the blade.
- The low-speed and high torque National III engine is adopted, with full dynamic curve, superior performance, long service life, low fuel consumption, large grid heat dissipation net, good ventilation and heat dissipation effect, and suitable for long-term and high-intensity operation.



## 220 HP series

JM 22 series bulldozers, adopting advanced technologies such as centralized lubrication, centralized pressure measurement, and automatic track tensioning, can be equipped with a variety of working devices and cabs to meet the operating requirements of various working conditions, and are ideal and efficient operating equipment for earthwork construction and bulk material shoveling.

### JM 22F Forest Logging Bulldozer

#### Product features

- JM 22F forest logging bulldozer is developed according to the needs of forest operation environment, and is equipped with a special anti rollover cab for logging.
- special anti rollover shed and cab for logging can be equipped with wide (610mm) tracks and mechanical winches, which have good practicability and self rescue performance, and are suitable for logging, skidding and hauling operations in rain forests and forest farms.
- The standard logging shovel can forcefully clear all kinds of thorns and obstacles on the logging road. The winch is used for dragging trees and bulldozer self rescue in forest operations. The winch self rescue function can provide security for the operator.



### JM22R Sanitation Bulldozer

#### Product features

- JM 22R sanitation bulldozer is developed according to the operation needs of domestic urban sanitation treatment plants. The wetland bulldozer chassis is used to effectively reduce the ground pressure and has good passing performance, which is very suitable for landfill and compaction of domestic waste with large water content.
- Large capacity sanitation shovels and mud scraping devices are configured to effectively improve the operation efficiency. The special heightening part on the upper part of the blade can prevent the working materials from entering the rear side of the blade.
- High level warning light, reversing alarm bell, camera, LCD screen and other special equipment are configured to greatly improve the safety of on-site operations.
- It is equipped with centralized lubrication, centralized pressure measurement and automatic track tensioning system to facilitate on-site inspection and maintenance of equipment.



### JM22S Wetland Bulldozer

#### Product features

- JM 22S wetland bulldozer is specially designed and developed according to the characteristics of wetland operation conditions, and can work normally in soft soil and muddy soil conditions that cannot be accessed by ordinary models.
- The wet steering clutch and brake can extend the service life. They are interlocked to ensure the quick and flexible steering behavior controlled by the handle.
- 910mm wetland track and lengthened trolley are used to effectively reduce the ground specific pressure, which has good wetland passing performance and is suitable for earthwork in muddy areas such as swamps and tidal flats.



### JM 24 standard bulldozer

#### Product features

- Cummins NT855-C280 engine, power (kw/r/min) 187/1850, powerful, efficient and energy-saving.
- High reliability power shift gearbox, stable hydraulic torque converter, and final drive with two-stage straight tooth structure can efficiently transmit power, with high transmission power and high production efficiency.
- The engine can work normally and reliably under any load conditions and any thermal environment required by the user without causing engine overheating.
- It can realize automatic fault diagnosis and whole process monitoring. The integral cast instrument panel



integrates air conditioning, electrical appliances and instruments, making it more beautiful and high-end.

- The main frame with a full box structure shall be made of high-performance materials and high-strength castings, and shall have a high capacity of bearing impact load and resisting bending and torsion. High quality welds shall ensure that the main frame has a full life cycle.
- Semi rigid suspension traveling system can increase the grounding area of the track and improve the traction of the vehicle.
- According to ergonomics, the driver's seat and armrest can be easily adjusted up, down, forward and backward. The speed change, steering and throttle control are placed on the left side, and the flexible shaft structure is used. The working device is placed on the right side, and the servo control system is used to make the operation process more light and flexible and reduce fatigue.
- The standard straight tilt bulldozer has strong cutting force and can cope with various difficult operating environments: large single tooth scarifier with adjustable penetration angle can be used for loosening clay, frozen soil and other soil layers, and can also be used for stripping gravel, hardened salt mines and other hard working surfaces.



## 320 HP series

JM 32 crawler bulldozer, meeting the national III emission requirements, is a high-power bulldozer that adopts domestic leading process production technology and standardized mass production. The whole machine adopts advanced hydraulic transmission and hydraulic control technology, with advanced and reasonable structure, light and flexible operation, and reliable quality.

### JM32 Standard Bulldozer

#### Product features

- Resend the QSNT-C345S30 engine with high power, low fuel consumption, and exhaust gas turbocharger, which can still maintain normal operation at 4300m above sea level.
- High reliability power shift gearbox, stable hydraulic torque converter, and final drive with two-stage straight tooth structure can efficiently transmit power, with high transmission power and high production efficiency.
- The independent engine cooling water tank, chassis oil cooler, and the water and air cooler provided by the engine provide excellent cooling performance and simple maintenance operation for this equipment, which can ensure the continuous operation of the machine.
- The standard straight tilt bulldozer has a strong cutting force. The single tooth and three tooth scarifiers have adjustable insertion angles, which can be used for loosening clay, frozen soil and other soil layers, as well as for stripping gravel, hardened salt mines and other hard working surfaces.



### JM32R Sanitation Bulldozer

#### Product features

- JM 32R sanitation bulldozer is developed according to the operation needs of domestic urban sanitation treatment plants, and has good passing performance.
- It is suitable for landfilling, leveling, compaction, stacking and other works in the garbage yard, as well as for the traction of garbage iron trough and treatment tank station.
- Large capacity sanitation shovels and mud scraping devices are configured to effectively improve the operation efficiency. The special heightening part on the upper part of the blade can prevent the working materials from entering the rear side of the blade.
- High level warning light, reversing alarm bell, camera, LCD screen and other special equipment are configured to greatly improve the safety of on-site operations.
- It is equipped with centralized lubrication, centralized pressure measurement and automatic track tensioning system to facilitate on-site inspection and maintenance of equipment.



### JM32W Rocky Bulldozer

#### Product features

- JM 32W rocky bulldozer, which is based on the needs of harsh and heavy operating conditions such as weathered rocks and frozen soil, and develops and developed on the basis of the JM32 standard type.
- Using hydraulic transmission, hydraulic control technology, advanced and reasonable structure, stable and reliable performance, and convenient manipulation.
- Rock -type professional tracks, high -strength wear -resistant shovel and push rods, the abrasion resistance is significantly improved.
- Configuration is suitable for heavy sand, stones, weathered rock layers, and frozen soil layers.



## Main technical parameters

model	JM16	JM16M	JM16E	JM16MF	JM16MS	JM16MS-pro6	
Dimension (mm)	4990×3440×3110	4990×3440×3110	5200×3440×3110	5200×3440×3260	5450×4170×3170	5450×4170×3170	
Weight (T)	16.4	16.4	16.6	16.8	18.4	18.4	
Engine model	WP10G178E355	WP10G178E355	WP10G178E355	WP10G178E355	WP10G178E355	WP10G178E355	
Engine model	WD10G178E25	WD10G178E25	WD10G178E25	WD10G178E25	WD10G178E25	WD10G178E25	
Power (kw/r/min)	131/1850	131/1850	131/1850	131/1850	131/1850	131/1850	
Minimum fuel consumption g/KW. h	214	214	214	214	214	214	
Grounding length (mm)	2430	2430	2635	2635	3140	3140	
Ground specific pressure (MPa)	0.066	0.066	0.062	0.063	0.027	0.027	
Minimum ground clearance (mm)	405	405	405	405	492	492	
Gradeability (°)	30	30	30	30	30	30	
No. of track shoes (each side)	37	37	39	39	44	44	
Width of Track shoe (mm)	510(560.610)	510(560.610)	510(560.610)	510(560.610)	1100(950)	1100(950)	
Track Gauge (mm)	1880	1880	1880	1880	2300	2300	
pitch (mm)	203.2	203.2	203.2	203.2	203.2	203.2	
No of carrier rollers (each side)	2	2	2	2	2	2	
No. of Track roller (each side)	6	6	7	7	7	7	
Maximum traction force (KN)	144	144	144	144	144	144	
Blade type	Straight-tilt Blade	Straight-tilt Blade	Straight-tilt Blade	Angle Blade Straight-tilt Blade U Blade	Straight-tilt Blade	Straight-tilt Blade	
Blade length x height (mm)	3440×1150	3440×1149	3440×1150	Angle Blade:3970×1040	4170×990	4170×960	
	—	—	—	Straight-tilt Blade:3440×1150	—	—	
	—	—	—	—	—	—	
	—	—	—	—	—	—	
Blade Capacity(m <sup>3</sup> )	Straight-tilt Blade:4.5	4.5	4.5	Straight-tilt Blade:4.5 Angle Blade:4.3 Semi-U-blade:5 U-blade:5	3.8	3.85	
Blade lift height(mm)	1095	1095	1095	1095	1005	1005	
Blade depth (mm)	540	540	540	540	495	488	
Maximum inclination of blade (mm)	400	400	400	400	730	730	
Forward (km/h)	F1:0 ~ 3.29 F2:0 ~ 5.82 F3:0 ~ 9.63 — —	F1:0 ~ 2.67 F2:0 ~ 3.76 F3:0 ~ 5.41 F4:0 ~ 7.62 F5:0 ~ 11.13	F1:0 ~ 3.29 F2:0 ~ 5.82 F3:0 ~ 9.63 — —	F1:0 ~ 2.67 F2:0 ~ 3.76 F3:0 ~ 5.41 F4:0 ~ 7.62 F5:0 ~ 11.13	F1:0 ~ 2.67 F2:0 ~ 3.76 F3:0 ~ 5.41 F4:0 ~ 7.62 F5:0 ~ 11.13	F1:0 ~ 2.67 F2:0 ~ 3.76 F3:0 ~ 5.41 F4:0 ~ 7.62 F5:0 ~ 11.13	F1:0 ~ 2.67 F2:0 ~ 3.76 F3:0 ~ 5.41 F4:0 ~ 7.62 F5:0 ~ 11.13
Reverse (km/h)	R1:0 ~ 4.28 R2:0 ~ 7.59 R3:0 ~ 12.53 —	R1:0 ~ 3.48 R2:0 ~ 4.90 R3:0 ~ 9.92	R1:0 ~ 4.28 R2:0 ~ 7.59 R3:0 ~ 12.53 —	R1:0 ~ 3.48 R2:0 ~ 4.90 R3:0 ~ 7.05 R3:0 ~ 9.92	R1:0 ~ 3.48 R2:0 ~ 4.90 R3:0 ~ 7.05 R3:0 ~ 9.92	R1:0 ~ 3.48 R2:0 ~ 4.90 R3:0 ~ 7.05 R3:0 ~ 9.92	R1:0 ~ 3.48 R2:0 ~ 4.90 R3:0 ~ 7.05 R3:0 ~ 9.92
Coolant capacity (L)	79	79	79	79	79	79	
Fuel tank capacity (L)	300	300	300	300	315	315	
Engine oil capacity (L)	19	19	19	19	19	19	



## Main technical parameters

model	JM16F	JM16S	JM16R	JM16MR	JM18MS	JM18PL-6
Dimension (mm)	5200×3440×3260	5176×4190×3170	5176×4170×3170	5450×4170×3170	5925×4410×3170	5925×4330×3170
Weight (T)	16.8	18.1	18.1	18.4	21	20.5
Engine model	WP10G178E355	WP10G178E355	WP10G178E355	WP10G178E355	WP10G200E355	WP10G200E355
Engine model	WD10G178E25	WD10G178E25	WD10G178E25	WD10G178E25	WD10G200E25	WD10G200E25
Power (kw/r/min)	131/1850	131/1850	131/1850	131/1850	148/1850	148/1850
Minimum fuel consumption g/KW.h	214	214	214	214	—	—
Grounding length (mm)	2635	2935	3140	3140	3650	3343
Ground specific pressure (MPa)	0.063	0.032	0.026	0.027	0.022	0.024
Minimum ground clearance (mm)	405	492	492	492	492	492
Gradeability (°)	30	30	30	30	30	30
No. of track shoes (each side)	39	42	42	44	49	46
Width of Track shoe (mm)	510(560.610)	950(1100)	1100(950)	1100(950)	1200	1100
Track Gauge (mm)	1880	2300	2300	2300	2300	2300
pitch (mm)	203.2	203.2	203.2	203.2	203.2	203.2
No of carrier rollers (each side)	2	2	2	2	3	2
No. of Track roller (each side)	7	7	7	7	9	8
Maximum traction force (KN)	144	144	144	144	148	148
Blade type	Angle Blade Straight-tilt Blade	Straight-tilt Blade	Sanitation Blade	Sanitation Blade	Straight-tilt Blade	Straight-tilt Blade
Blade length x height (mm)	Angle Blade:3970×1042 Straight-tilt Blade:3440×1150	4190×962	4170×1580	4170×1580	4410×985	4330X1130
Blade Capacity (m³)	Straight-tilt Blade 4.5 Angle Blade 4.3	3.8	8.3	8.4	4.15	5.2
Blade lift height(mm)	1095	1005	1005	1005	1170	1170
Blade depth (mm)	540	485	485	485	510	510
Maximum inclination of blade (mm)	400	730	730	730	715	715
Forward (km/h)	F1.0 ~ 3.29 F2.0 ~ 5.82 F3.0 ~ 9.63	F1.0 ~ 3.29 F2.0 ~ 5.82 F3.0 ~ 9.63	F1.0 ~ 3.29 F2.0 ~ 5.82 F3.0 ~ 9.63	F1.0 ~ 2.67 F2.0 ~ 3.76 F4.0 ~ 7.62 F5.0 ~ 11.13	F1.0 ~ 2.67 F2.0 ~ 3.76 F4.0 ~ 7.62 F5.0 ~ 11.13	F1.0 ~ 2.67 F2.0 ~ 3.76 F4.0 ~ 7.62 F5.0 ~ 11.13
Reverse (km/h)	R1.0 ~ 4.28 R2.0 ~ 7.59 R3.0 ~ 12.53	R1.0 ~ 4.28 R2.0 ~ 7.59 R3.0 ~ 12.53	R1.0 ~ 4.28 R2.0 ~ 7.59 R3.0 ~ 12.53	R1.0 ~ 3.48 R2.0 ~ 4.90 R3.0 ~ 7.05 R4.0 ~ 9.92	R1.0 ~ 3.48 R2.0 ~ 4.90 R3.0 ~ 7.05 R4.0 ~ 9.92	R1.0 ~ 3.48 R2.0 ~ 4.90 R3.0 ~ 7.05 R4.0 ~ 9.92
Coolant capacity (L)	79	79	79	79	79	79
Fuel tank capacity (L)	300	315	315	315	315	470
Engine oil capacity (L)	19	19	19	19	19	19

model	HD22	HD22F	HD22C	HD22D	HD22W	HD22R
Dimension (mm)	5390×3735×3350	5390×3735×3530	6061×4200×3350	5390×3735×3350	5390×3735×3350	6290×4365×3395
Weight (T)	23.5	24.7	24	23.5	23.5	26
Engine model	QSNT-C235S30	QSNT-C235S30	QSNT-C235S30	QSNT-C235S30	QSNT-C235S30	QSNT-C235S30
Engine model	NT855-C280S10	NT855-C280S10	NT855-C280S10	NT855-C280S10	NT855-C280S10	NT855-C280S10
Power (kw/r/min)	175/1800	175/1800	175/1800	175/1800	175/1800	175/1800
Minimum fuel consumption g/KW.h	205	205	205	205	205	205
Grounding length (mm)	2730	2730	2730	2730	2730	3480
Ground specific pressure (MPa)	0.077	0.081	0.078	0.071	0.077	0.041
Minimum ground clearance (mm)	405	405	405	405	405	405
Gradeability (°)	30	30	30	30	30	30
No. of track shoes (each side)	38	38	38	38	38	45
Width of Track shoe (mm)	560	560(610)	560(660)	610(660)	560	910
Track Gauge (mm)	2000	2000	2000	2000	2000	2250
pitch (mm)	216	216	216	216	216	216
No of carrier rollers (each side)	2	2	2	2	2	2
No. of Track roller (each side)	6	6	6	6	6	8
Maximum traction force (KN)	203	203	203	203	203	203
Blade type	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Coal pushing Blade Straight-tilt Blade U Blade Semi-U-Blade	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Sanitation Blade
Blade length x height (mm)	Straight-tilt Blade:3735×1317 Angle Blade:4365×1057 U Blade:3800×1345 U Blade:3800×1345 Semi-U- Blade:3725×1376	Straight-tilt Blade:3735×1317 Angle Blade:4365×1057 U Blade:3800×1345 U Blade:3800×1345 Semi-U- Blade:3725×1376	Coal pushing Blade: 4200×1317 Straight-tilt Blade:3735×1317 Angle Blade:4365×1057 U Blade:3800×1345 U Blade:3800×1345 Semi-U- Blade:3725×1376	Straight-tilt Blade:3735×1317 Angle Blade:4365×1057 U Blade:3800×1345 U Blade:3800×1345 Semi-U- Blade:3725×1376	Straight-tilt Blade:3735×1317 Angle Blade:4365×1057 U Blade:3800×1345 U Blade:3800×1345 Semi-U- Blade:3725×1376	4365×1887
Blade Capacity (m³)	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U- Blade7.0	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U- Blade7.0	Coal pushing Blade 9.1/Straight- tilt Blade6.5/U Blade7.5/Semi-U- Blade7.0	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U- Blade7.0	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U- Blade7.0	12
Blade lift height(mm)	1210	1210	1210	1210	1210	1330
Blade depth (mm)	540	540	540	540	540	550
Maximum inclination of blade (mm)	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	755
Forward (km/h)	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2
Reverse (km/h)	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2
Coolant capacity (L)	79	79	79	79	79	79
Fuel tank capacity (L)	450	450	450	450	450	450
Engine oil capacity (L)	45	45	45	45	45	45





## Main technical parameters

model	JM 22S	JM 24	JM 24S	JM 24F	JM 26	JM 26S
Dimension (mm)	6290×4365×3395	5390×3735×3350	6290×4365×3395	5390×3735×3530	5390×3735×3350	6290×4365×3395
Weight (T)	25.7	23.5	25.7	24.7	23.5	25.7
Engine model	QSNT-C235S30	—	—	—	WP12G280E304	WP12G280E304
Engine model	NT855-C280S10	NT855-C280	NT855-C280	NT855-C280	—	—
Power (kw/r/min)	175/1800	187/1850	187/1850	187/1850	—	—
Minimum fuel consumption g/KW. h	205	—	—	—	—	—
Grounding length (mm)	3480	2730	3480	2730	2730	3480
Ground specific pressure (MPa)	0.041	0.077	0.041	0.081	0.077	0.041
Minimum ground clearance (mm)	405	405	405	405	405	405
Gradeability (°)	30	30	30	30	30	30
No. of track shoes (each side)	45	38	45	38	38	45
Width of Track shoe (mm)	910	560	910	560	560	910
Track Gauge (mm)	2250	2000	2250	2000	2000	2250
pitch (mm)	216	216	216	216	216	216
No of carrier rollers (each side)	2	2	2	2	2	2
No. of Track roller (each side)	8	6	8	6	6	8
Maximum traction force (KN)	203	203	203	203	203	203
Blade type	Straight-tilt Blade	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Straight-tilt Blade	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Straight-tilt Blade
Blade length x height (mm)	4365×1287	Straight-tilt Blade:3735×1310 Angle Blade:4365×1057 U:3800×1345 Semi-U-Blade:3725×1376	4365×1287	Straight-tilt Blade:3735×1317 Angle Blade:4365×1057 U Blade:3800×1345 Semi-U-Blade:3725×1376	Straight-tilt Blade:3735×1310 Angle Blade:4365×1057 U:3800×1345 Semi-U-Blade:3725×1376	4365×1287
Blade Capacity( m³)	6.8	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U-Blade7.0	6.8	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U-Blade7.0	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U-Blade7.0	6.8
Blade lift height(mm)	1330	1210	1330	1210	1210	1330
Blade depth (mm)	550	540	550	540	540	550
Maximum inclination of blade (mm)	755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	755
Forward (km/h)	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2
Reverse (km/h)	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2
Coolant capacity (L)	79	79	79	79	79	79
Fuel tank capacity (L)	450	450	450	450	450	450
Engine oil capacity (L)	45	45	45	45	45	45

model	JM 26F	JM 32	JM 32D	JM32W	JM 32R
Dimension (mm)	5390×3735×3530	6535×4150×3515	6535×4150×3515	6535×4150×3515	7160×5010×3550
Weight (T)	24.7	37.2	37.2	37.2	43
Engine model	WP12G280E304	QSNT-C345S31	QSNT-C345S31	QSNT-C345S31	QSNT-C345S31
Engine model	—	NTA855-C360S10	NTA855-C360S10	NTA855-C360S10	NTA855-C360S10
Power (kw/r/min)	—	257/2000	257/2000	257/2000	257/2000
Minimum fuel consumption g/KW. h	—	245	245	245	245
Grounding length (mm)	2730	3150	3150	3150	3950
Ground specific pressure (MPa)	0.081	0.105	0.089	0.105	0.049
Minimum ground clearance (mm)	405	500	500	500	500
Gradeability (°)	30	30	30	30	30
No. of track shoes (each side)	38	41	41	41	48
Width of Track shoe (mm)	560	560	660	560	1050
Track Gauge (mm)	2000	2140	2140	2140	2480
pitch (mm)	216	228.6	228.6	228.6	228.6
No of carrier rollers (each side)	2	2	2	2	2
No. of Track roller (each side)	6	7	7	7	9
Maximum traction force (KN)	203	281	281	281	281
Blade type	Straight-tilt Blade Angle Blade U Blade Semi-U-Blade	Straight-tilt Blade Semi-U-Blade Angle Blade	Straight-tilt Blade Semi-U-Blade Angle Blade	Straight-tilt Blade Semi-U-Blade Angle Blade	Sanitation Blade
Blade length x height (mm)	Straight-tilt Blade:3735×1310 Angle Blade:4365×1057 U:3800×1345 Semi-U-Blade:3725×1376	Straight-tilt Blade:4150×1592 Semi-U-Blade:4150×1712 Angle Blade:5000×1142 U Blade:4440×1740	Straight-tilt Blade:4150×1592 Semi-U-Blade:4150×1712 Angle Blade:5000×1142 U Blade:4440×1740	Straight-tilt Blade:4150×1592 Semi-U-Blade:4150×1712 Angle Blade:5000×1142 U Blade:4440×1740	5010×2330
Blade Capacity( m³)	6.8	Straight-tilt Blade6.4/Angle Blade4.7/U Blade7.5/Semi-U-Blade7.0	Straight-tilt Blade10/Semi-U-Blade 11.7/Angle Blade6.2/U Blade 16.2	Straight-tilt Blade10/Semi-U-Blade 11.7/Angle Blade6.2/U Blade 16.2	25.16
Blade lift height(mm)	1210	1560/1560/1703/1560	1560/1560/1703/1560	1560/1560/1703	1560
Blade depth (mm)	540	560/560/630/560	560/560/630/560	560/560/630	560
Maximum inclination of blade (mm)	Straight-tilt Blade>735 Angle Blade>500 Semi-U-Blade>755	Straight-tilt Blade 100 Angle Blade 500 Semi-U-Blade 1000 U Blade 1000	Straight-tilt Blade 100 Angle Blade 500 Semi-U-Blade 1000 U Blade 1000	Straight-tilt Blade 100 Angle Blade 500 Semi-U-Blade 1000 U Blade 1000	—
Forward (km/h)	F1.0 ~ 3.6 F2.0 ~ 6.5 F3.0 ~ 11.2	F1.0 ~ 3.6 F2.0 ~ 6.6 F3.0 ~ 11.5	F1.0 ~ 3.6 F2.0 ~ 6.6 F3.0 ~ 11.5	F1.0 ~ 3.6 F2.0 ~ 6.6 F3.0 ~ 11.5	F1.0 ~ 3.6 F2.0 ~ 6.6 F3.0 ~ 11.5
Reverse (km/h)	R1.0 ~ 4.3 R2.0 ~ 7.7 R3.0 ~ 13.2	R1.0 ~ 4.4 R2.0 ~ 7.8 R3.0 ~ 13.5	R1.0 ~ 4.4 R2.0 ~ 7.8 R3.0 ~ 13.5	R1.0 ~ 4.4 R2.0 ~ 7.8 R3.0 ~ 13.5	R1.0 ~ 4.4 R2.0 ~ 7.8 R3.0 ~ 13.5
Coolant capacity (L)	79	121	121	121	121
Fuel tank capacity (L)	450	640	640	640	640
Engine oil capacity (L)	45	47	47	47	47