

Specialized Truck

SPECIALIZING IN TAILORED SOLUTIONS



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CONCRETE TRANSPORT TRUCK

Mixing Engineering Marvel

Application: construction sites, road construction, bridge construction, water conservancy construction, etc.

Road Condition: highways, ports, construction sites, suburban wilderness, etc.



Mixer Truck



Substantial materials and sturdy durability

- ◉ High-strength abrasion-resistant steel tank with a hardness of over HB300, offering over twice the abrasion resistance of ordinary steel.
- ◉ High-frequency welded rectangular tube sub-frame, providing excellent anti-deformation capability for main and auxiliary beams.
- ◉ Unique wheel side oil seals and dust-proof nuts technology, leading in chassis waterproof reliability.

Responsible for driving safety

- ◉ 1.2MPa braking system effectively shortens braking distance by 1-1.5 meters.
- ◉ Cab distributed frame structure complies with European ECE R29-03 regulation collision requirements.

Customization

- ◉ Constant speed mixing, data monitoring, and other intelligent functions customizable.

Platform	X5000/H3000S/F3000/X3000
Drive	6×4/8×4
Mixer(m³)	6×4(8-10m³), 8×4(12m³)
Tank material	NM300TP/BW300TP, Q355
Basic equipment	Hydraulic pump, motor: PMP/ARK/Eaton, etc.
	Reducer: PMP/TOP, etc.

Powder Tanker



Integrated reliable design

- ◉ Fully automated welding for the entire vehicle.
- ◉ The tank body and auxiliary frame utilize a full-powder coating process, enhancing weather resistance, corrosion resistance, and coating hardness by twice that of conventional paint processes.
- ◉ The chassis and container are integratedly arranged, with standardized power take-off and electrical interfaces, and space reserved for air compressors.

Versatile transport solution

- ◉ High efficiency with little residue when unloading by matching high-power air compressors.
- ◉ Suitable for transportation of products like cement, fly ash, dry-mixed mortar, and chemical powders, achieving mechanized loading, transportation, unloading, and storage.

Platform	H3000S/H3000/F3000
Drive	6×4/8×4
Tank (m³)	6×4 (25m³), 8×4 (40m³)
Tank material	Q235B tank, 5mm shell and 6mm head.
Basic equipment	Air compressor (10m³)

Optimum coverage and utmost cleaning efficiency

- ◉ A maximum operating radius of 66m and a maximum operating height of 72m are achieved with the super large pumping pressure of 15Mpa.
- ◉ The use of high and low pressure pumps enhances the efficiency and convenience of cleaning.

Unmatched system reliability

- ◉ The system delivers exceptional stability with an industry-leading clutch, 6-channel ABS, and VOSS fittings.

Platform	H3000S/X3000/X5000
Drive	6×4/8×4/10×4
Boom(m)	6×4 (43、47、50、52), 8×4 (58、62、65), 10×4 (72)
Basic equipment	Bionic folding boom, large rigid hollow turntable, two-stage X-type telescopic outriggers, and through-type conveying pipe bracket.

Concrete Pump Truck



SANITATION TRUCK

Guardian of the Cleanliness

Application: municipal cleaning, waste compression and transportation, pollution removal, etc.

Road Condition: urban road, highway, etc.



Sprinkler Truck



Powerful cleaning system

- It can be equipped with forward rushing, rear sprinkling, side spraying, sprinkler platform and water cannon
- The large tank volume makes the single operation time longer

Easy to use in multiple scenarios

- All work can be performed with one button in the cab.
- Automatic alarm function for low water level in the tank.
- Nozzles with different characteristics can be used to meet the needs of multiple scenarios.

Platform	X3000/L3000/H3000S
Drive	4×2/6×4/8×4
Tank(m³)	4×2 (10m³), 6×4 (15-25m³), 8×4 (25-30m³)
Tank material	Q235B, stainless steel 304

Integrated design

- The chassis components are all lower than the beam, which is convenient for the installation of hydraulic and guide rail structure.
- The chassis is reserved with standardized under-vehicle functional power taking interface, taking into account the different operational needs on and off the vehicle.

Maximize production efficiency

- Loading cycle time≤15s, compression cycle time≤24s, unloading time≤60s.
- Electrical integrated automatic control

Platform	L3000/H3000S
Drive	4×2/6×4
Tank(m³)	4×2 (7-16m³), 6×4 (18-22m³)
Tank material	Q355, NM450, etc.
Loader(m³)	1.5-2.5m³
Compression ratio	1.8-2.5

Refuse Collector Truck



Suction-type Sewer Scavenger



Leak-proof design for safety

- ◉ Triple overflow prevention: top overflow valve, overflow probe, and liquid full alarm system.
- ◉ High-strength weathering steel tank body, resistant to rust and corrosion.
- ◉ Hydraulic locking around the tank rear cover to prevent secondary contamination leakage.

Remote electronic control for efficiency

- ◉ Tank lifting, tank door opening, tank dumping and other operations.
- ◉ Swirling two-stage shut-off valve combined with a vacuum pump suction system allows for vertical suction up to over 20 meters.
- ◉ 300L water tank capacity significantly increases the duration of a single operation.

Platform	H3000S/F3000
Drive	4×2/6×4/8×4
Tank(m³)	6×4 (16-20m³), 8×4(20-25m³)
Tank material	Q235B, imported brand vacuum pump
Tank function	Optional hoisting tank and rear cap opening function

Optimized cleaning performance

- ◉ Features include road washing, sweeping, curb brushing, and fog dust suppression.
- ◉ Can achieve constant engine speed control at 8-15km/h, high operating efficiency.

All functions at a single touch

- ◉ Integrated electrical control system with one-touch operation for main functions.
- ◉ Rearview monitoring system, assisting driver safety operations.

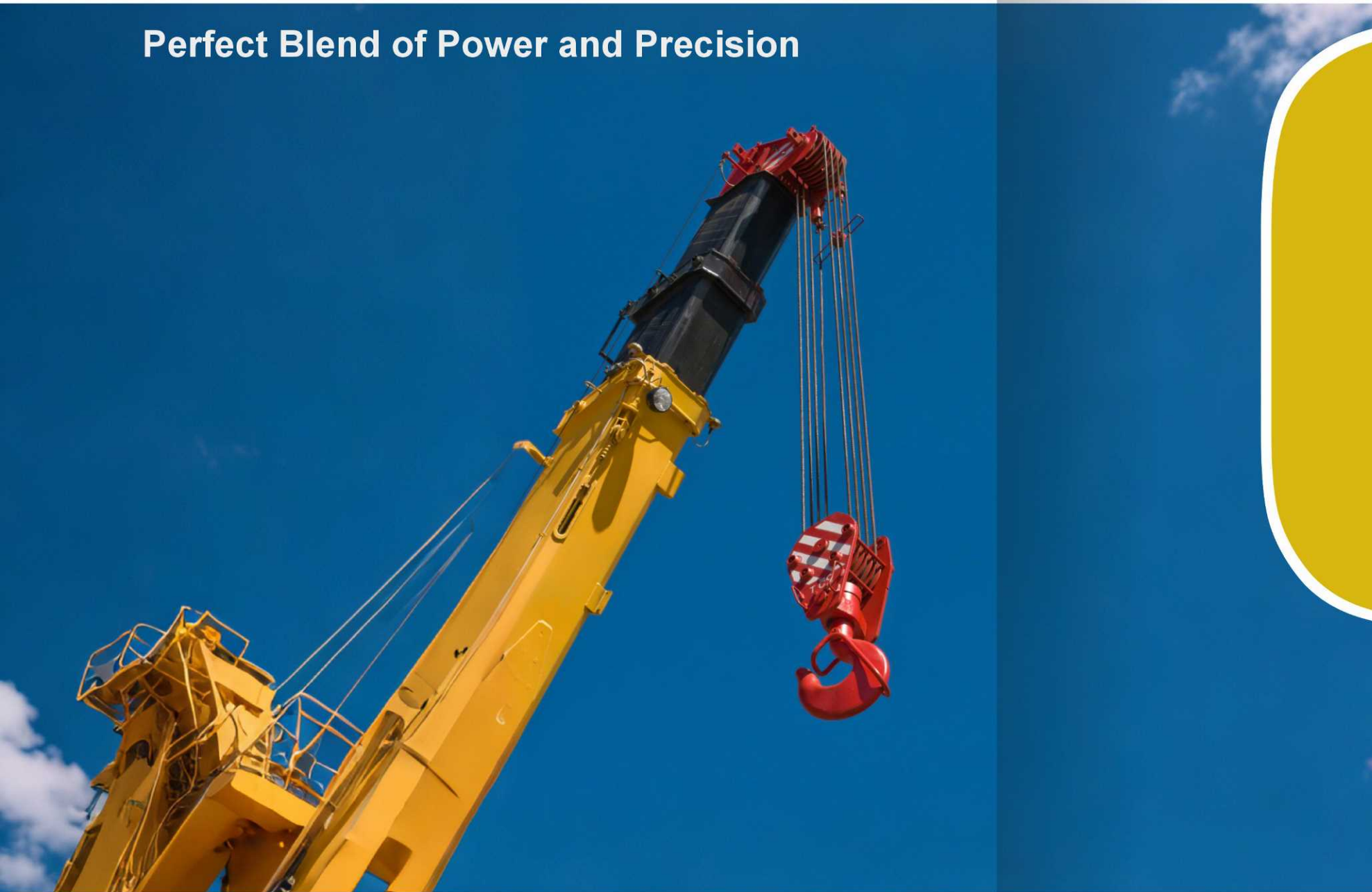
Platform	L3000/H300S
Drive	4×2/6×4
Tank(m³)	Freshwater tank (7-10m³), wastewater tank (6-9m³)
Tank material	Q235B, Q355, etc.
Operating speed	8~20km/h
Sweeping width	3.2~4.1m

Sweeper Truck



CRANE-CARRYING TRUCK

Perfect Blend of Power and Precision



03

Application: transportation of garden seedlings, transportation of packed bricks, handling of large equipment, work at heights, etc.

Straight Crane Truck



Expert in heavy load

- Built with high-strength steel, the cargo box is engineered to withstand heavy-duty lifting operations, ensuring maximum payload and durability.

Limit protection

- Equipped with overload limiter, torque limiter, and stroke limiter for real-time monitoring of lifting operations.

Conquer harsh terrains

- Compact design with excellent off-road capability.

Platform	H3000S/F3000/X3000
Drive	4×2/6×4/8×4
Maximum lifting capacity	6.3T~20T
Container size	6000/6500/8000×2450×600
Feature	Self-loading, unloading, emergency rescue, and heavy lifting.

Flexible operation

- Equipped with a 360-degree rotating crane, suitable for narrow working spaces and complex environments requiring lateral movement, such as firefighting, railway maintenance, and more.

Versatile use

- Accompanied by auxiliary tools including baskets and work buckets, it serves multiple purposes, significantly enhancing efficiency.

Platform	X3000/H3000/F3000
Drive	4×2/6×4/8×4
Maximum lifting capacity	6-31T
Container size	6000/6500/8000×2450×600
Feature	Flexible, applied to narrow space,compatible with lots of optional attachments for various tasks.

Folding Crane Truck



Truck-mounted Crane



Precision structure

- Adopting a new dodecagonal cross-section boom, with dual integrated designs of the square box with the chassis and the turntable with the counterweight square box, results in excellent lifting capacity.
- A stable and efficient rotary mechanism allows the truck crane to operate over a broader range with more precise lifting tasks.

Safe and easy to use

- Equipped with a wireless remote control system, night lighting, anti-tip, and other safety features to ensure the safety of construction personnel.
- The quick self-loading and unloading counterweight mechanism not only facilitates easy operation and a smaller turning radius but also enhances vehicle passability due to its lower overall height.

Platform	X3000
Drive	10×4
Maximum lifting capacity	> 90T
Maximum hoisting range	> 23.9m
Feature	Quick self-loading and unloading counterweight mechanism, high operational efficiency

Adapting to demand

- Separates truck from trailer for narrow sites, enabling individual hoisting. Ideal for various conditions such as port terminals, factory workshops, and construction sites.

Carrying more

- Compatible with multiple trailers, capable of loading large and unusual-shaped goods, with greater cargo capacity and wider loading range.

Platform	H3000S/X3000/X5000
Drive	6×4
Maximum lifting capacity	15T-25T
Maximum hoisting range	> 16.8m
Feature	Great hoisting capacity; Individual hoisting can be achieved by the detachment of vehicle and trailer.

Tractor With Crane



Truck-Mounted Aerial Platform



Easy modification

- ⦿ All chassis components of the aerial work vehicle are positioned below the main beam, which simplifies the installation of hydraulic systems and guide rails for the superstructure. This design delivers exceptional modification adaptability.

Effortless operation

- ⦿ The vehicle is equipped with hydraulic joystick controls for enhanced precision. Furthermore, the control box interface combines graphics and text for a simple, intuitive display, significantly improving overall operational ease.

Superior reliability

- ⦿ Utilizing advanced technologies such as the CAN bus system, synchronized boom extension/retraction, and chassis engine control, the platform achieves stepless speed adjustment during movement. Moreover, the structural components are made of premium quality steel, resulting in a substantial boost in product reliability.

Maximum safety

- ⦿ The vehicle is engineered with comprehensive safety features including a bi-directional balance valve (to effectively prevent the boom from lowering automatically), a volumetric cylinder leveling system for automatic platform leveling, interlock functionality between the upper and lower controls, a soft leg protection system, an emergency manual pump, and bi-directional hydraulic locks.

Platform	F3000/L3000
Drive	4×2
Wheelbase (mm)	3800/4500
Lifting Arm Configuration	Telescopic Structure
Maximum Working Height (m)	26/25.6
Horizontal Reach at Maximum Working Height (m)	2.7
Maximum Working Outreach(m)	13/15.2
Slewing Device	360
Platform Rated Capacity(kg)	200/260

04

HAZARDOUS MATERIAL TRANSPORT TRUCK

Securely Transporting the Perilous

Application: mobile fuel stations, fuel transportation, etc.



Refueller



Long-lasting durability

- ◉ Reinforced chassis designed for various complex road conditions, including highways and mountainous regions.
- ◉ Durable high-carbon steel tank with industrial-grade anticorrosion coating inside, ensuring more reliable transportation.
- ◉ Explosion-proof hydraulic oil pump to guarantee safety during transportation.

Versatile options

- ◉ Multiple tank capacities ranging from 6m³ to 30m³, with single-compartment to 7-compartment structures available.
- ◉ Selectable intelligent safety configurations such as AEBS, EBS, ESC, LDW, FCW, and TPMS.

Platform	X3000/H3000S/F3000
Drive	4×2/6×4/8×4
Tank capacity	6-25m³ (1-7 layers)
Tank material	Q235B, aluminum alloy
Basic equipment	Hydraulic pump: COWELL, Weijia, etc.

ROADSIDE ASSISTANCE TRUCK

Equipped Rescuer

Application: wilderness rescue, urban rescue, road clearance, etc.



Repair Truck



Space optimization

- SHACMAN's design allows the top to flip up for shade or down to create an additional workstation.
- Keep your stuff organized with the modular storage system.

Efficient operation

- Equipped with a telescopic track crane for versatile lifting and loading.
- On-board power and air systems for remote operations.
- Advanced power management system for optimized efficiency.

Platform	L3000/H3000S/F3000
Drive	4×2/6×4
Maintenance equipment	Generator set, air compressor, welding machine, lathe, specialized automotive repair equipment, and repair tools.

Professional chassis

- The truck employs a dedicated tow truck chassis, enhancing load capacity by 39% and improving its off-road performance.

Widely used

- Equipped with lifting, hoisting, dragging, and more, ideal for rescuing large vehicles in rollover or off-road situations.
- Adopting a U-shaped boom design for precise 360° full rotation control.
- Modular design allows combining various functional modules as needed, meeting rescue requirements in different scenarios.

Platform	H3000S/H3000/F3000
Drive	4×2/6×4/8×6
Crane type	5T, 12T, 20T, 30T, etc.
Arm type	6T, 12T, 16T, 24T, etc.
Winch	50KN, 100KN, 200KN, etc.

Recovery Truck



SPECIAL-PURPOSE TRUCK

Tailor-made for You

Application: complex working conditions in oilfields, mines, forests, factories, etc.

06

Logging Transporter



Convenient and efficient

- ⦿ The folding tailboard platform offers both vehicle passability and the ability to transport logs of desired length.
- ⦿ Automatic opening of barriers significantly enhances unloading efficiency.

Safety protection

- ⦿ Roll-over protection structures ensure the safety of the driver.
- ⦿ Serrated L-shaped retaining bars provide strong holding power, preventing logs from slipping off the shelf.

Platform	X3000/F3000
Drive	6×4
Tractive tonnage	90-120t
Platform material and structure	Low-alloy steel + composite structure
Platform length	9-15m
Main trailer connection	Rotating support, adjustable gooseneck coupling
Cab protection	Full-wrap cab bumper + rear cab grille

Versatile and modular

- ⦿ The Multi-functional Quick-release Roller Brushes feature a variety of attachments, including front, side, and center snow pushers, spreaders, front washing units, rear deicing fluid sprayers, and guardrail cleaners. Integration and detachment from the chassis can be completed in just 5 minutes.

Automated and precise

- ⦿ The snow pusher is equipped with an obstacle-avoidance function, while the spreader can adjust dispensing parameters based on different road conditions.

Platform	X3000/X5000/F3000
Drive	6×4
Container configuration	Modular functions for snow removal, snow melting, sweeping, and spreading, etc.
Container material	High-quality stainless steel and engineering plastic pipe and valve materials with excellent resistance to acids, alkalis, impact, high temperatures, and low temperatures.

Snow Sweeper Truck



Foam Fire Truck



Cab design with human-machine layout

- ◉ The cabin accommodates up to 2+4 occupants in a spacious layout, featuring wide entry-exit paths designed for swift mobility in operational scenarios.

Versatility across multiple situations

- ◉ The dual-mode vehicle is equipped with both foam and water tank fire suppression capabilities, boasting a range of over 55 meters. The water pump operates at dual pressures, allowing fire retardant flow rates adaptable to various fire situations.

Ensuring mission security

- ◉ The liquid carrying tank is crafted from high-quality steel plates and features quick-release tank covers, liquid level sensors, and drainage valves to facilitate smooth mission execution.

Platform	L3000/X3000/H3000/F3000
Drive	4×2/6×4
Tank (m³)	6-17m³ (water or foam)
Tank material	Branded critical components (fire pump, fire monitor)

Survival in extreme conditions

- ◉ Multi-stage composite air filtration system
- ◉ Full-bore wall-sealed joint air circuit sealing
- ◉ Full-time drive transfer case

Taming the wild

- ◉ Irregular block pattern large tires/Widebody dune tires
- ◉ Optional central tyre inflation system for dynamic tire pressure adjustment based on road conditions
- ◉ Optional auxiliary steering and front/rear suspension hydraulic dampers for a comfortable ride on even the roughest terrains

Platform	F3000/X3000
Drive	4×4/6×6
Container size	4755×2326×600/5300×2326×800
Container material	Q355
Customizable for various applications	Disaster relief, rescue, snow removal, mobile laboratory, and recreational vehicles

Desert Off-road Vehicle



Specialized Oilfield Vehicle



Severe working conditions adaptability

- Specially designed for oilfield field operations
- All-time driven transfer case

Extensive modification compatibility

- Even front-to-rear load distribution in the overall machine layout
- GCW 18-46 tons, wheelbase 3600-5700mm, wide range of working conditions adaptability

Safety prevention intelligent control

- Remote monitoring and control of equipment start/stop
- Operational data uploadable to the terminal

Platform	F3000/H3000S/X3000
Drive	6×6/8×8
Modification types	Fracturing truck, cementing truck, modular house truck, bridge erection truck, recreational vehicle

Truck-Mounted Bitumen Distributor



Highly efficient heating

- The vehicle is equipped with a thermal oil circulating heating system, which ensures uniform heating of the asphalt, effectively preventing localized coking. Furthermore, the tank body is insulated with advanced materials such as polyurethane foam, providing superior thermal retention to minimize heat loss inside the tank.

Wide applicability

- With the capability to replace nozzles and through minor modification, the unit is easily adapted for spraying high-viscosity liquids such as emulsified asphalt and modified asphalt.

Precision control

- The vehicle's intelligent system monitors the travel speed and asphalt pump RPM (Revolutions Per Minute) in real-time, automatically regulating the asphalt spray flow. This guarantees ultra-high operational precision regardless of the vehicle's speed.

Robust durability

- Both the tank body and the pipelines in contact with the asphalt are constructed from high-quality corrosion-resistant steel. Through specialized anti-corrosion treatment, the product's long-term reliability and durability are significantly enhanced.

Platform	L3000/F3000
Drive	4×2
Wheelbase (mm)	4600
Bitumen Tank Capacity (m³)	8/10
Maximum Spraying Width (mm)	6000
Bitumen Application Rate (L/m³)	0.2-3
Application Precision	2%



Tailored Truck for Global Customer Needs