

# T5000 SERIES

Terminal Tractor



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# SHACMAN

# Harbor Legend





## FUEL POWER

Multiple power forms depend on your choice.



### ENGINE

Industry-leading Cummins QSB series diesel engines use a high-pressure common rail fuel injection system to effectively increase engine power and torque, providing strong traction at low speeds.



### TRANSMISSION

Equipped with the Allison 6-speed Automatic Transmission and a Torque Converter, the system ensures smooth and gentle power delivery during frequent stop-and-go operations. Furthermore, the Low-Speed Creep Mode is specifically designed for heavy-load terminal towing scenarios, effectively preventing engine flame-out and providing further torque multiplication.



### AXLE

HANDE HDM 7.5t harbor-specific steering axle, with a maximum load capacity of 12.5t at 20km/h.  
The drive axle uses the HANDE 300 port-specific double stage axle, capable of supporting up to 34t at 20km/h, with the 11.98 gear ratio providing enhanced power, making it more suitable for heavy-duty traction in ports.

# ELECTRIC POWER

Multiple power forms depend on your choice.



## MOTOR

The direct drive motor with a power of up to 260kW has a maximum efficiency of more than 94% and a peak torque of up to 3,800N·m, providing both energy savings and surging power.



## BATTERY

CATL 281.9kWh lithium iron phosphate large-capacity battery brings ultra-long battery life. The range exceeds 100 kilometers.

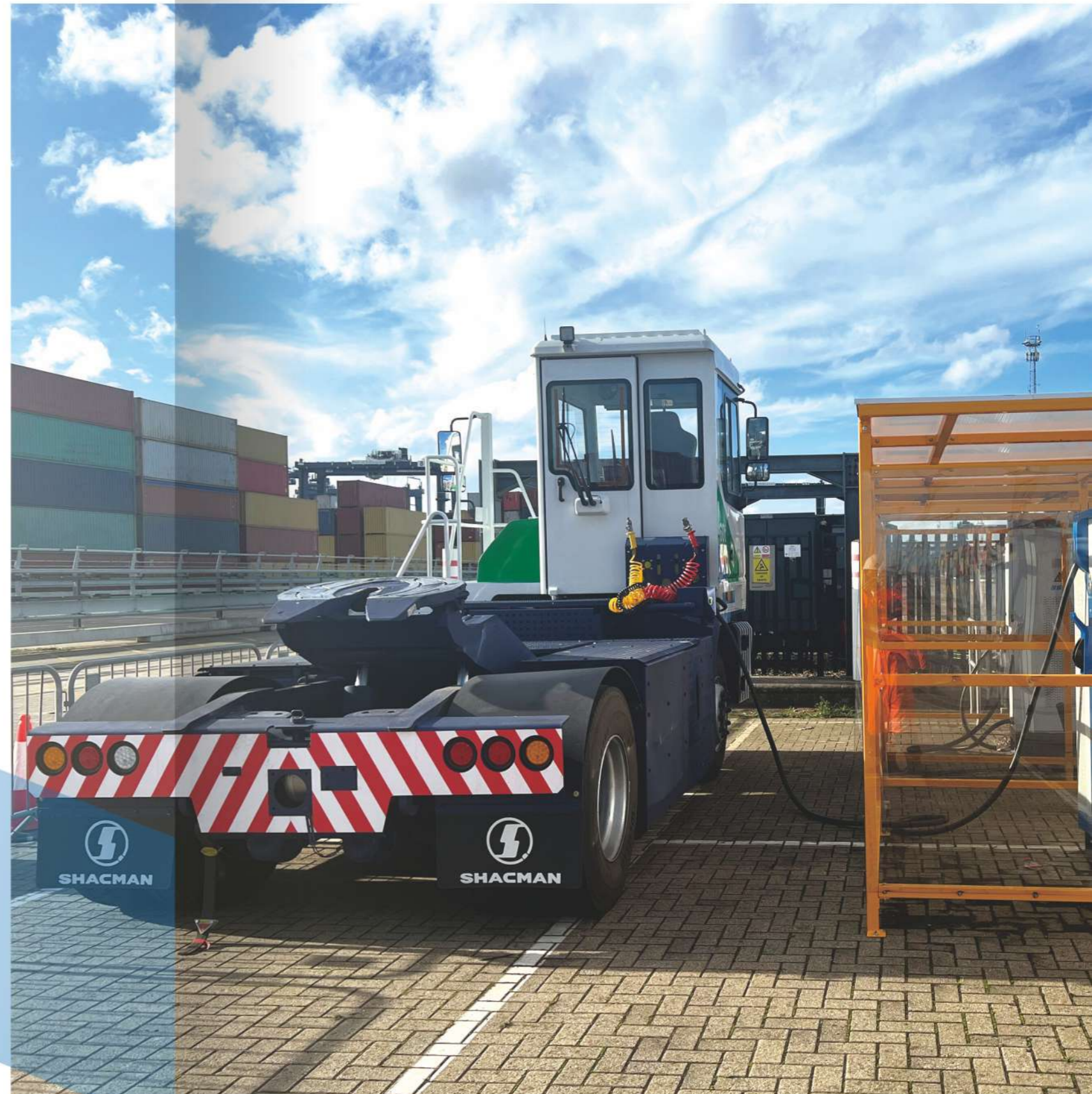
180kW dual-gun fast charging only takes one hour to charge from 20% to 80%.



## ELECTRIC CONTROL

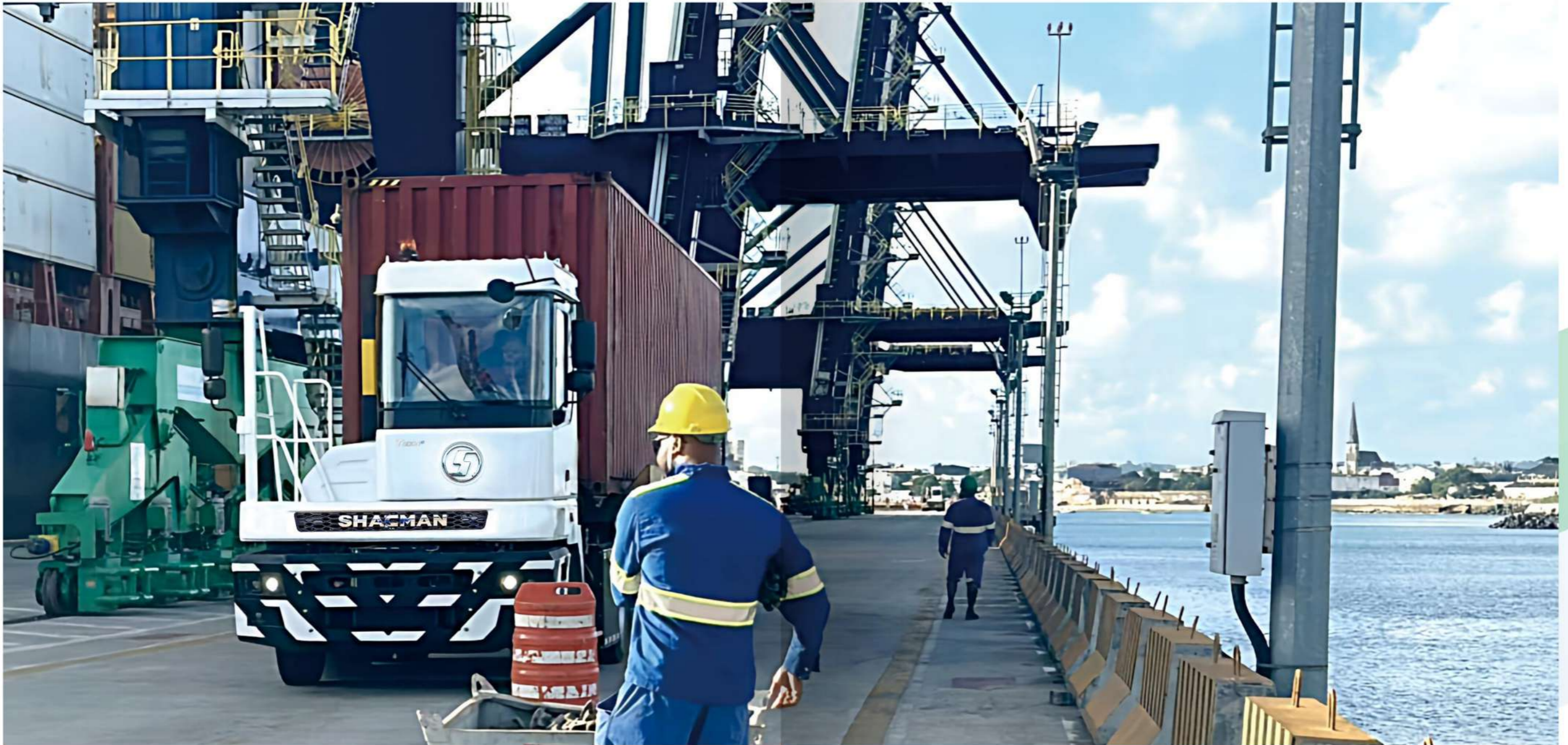
Self-developed VCU (Vehicle Control Unit) reduces the possibility of electrical control system failures through proactive fault-tolerant design, reducing overall vehicle energy consumption by 10% and increasing driving range by 3%.

The electronic control system calculates the real-time dynamic vehicle weight and combines it with the working conditions to limit the maximum vehicle speed, ensuring the safe and efficient operation of the vehicle.



*Your Dependable Harbor Partner*





## HARBOR WEATHERGUARD

The cab coating undergoes four processes: electrophoresis, epoxy primer, intermediate coating, and topcoat and the chassis components undergo three processes: electrophoretic primer, epoxy coating, and topcoat ensuring both aesthetics and corrosion resistance in harbor environments.\*

\*Standard paint film thickness is 250µm, up to 300µm maximum.

All windows are factory-equipped with sunscreen film, with a light transmission rate of more than 70%, to cope with the high UV environment of the harbor while maintaining a clear driving vision.

## HIGH-QUALITY COMPONENTS



Super strong load-bearing casting saddle can vertically bear 34t weight, equipped with sensors to detect trailer connection status in real time, driving more safely.

The frame made of 600L high-strength steel is strong in load-bearing capacity, meeting the scenario of heavy-duty transporting at the harbor.

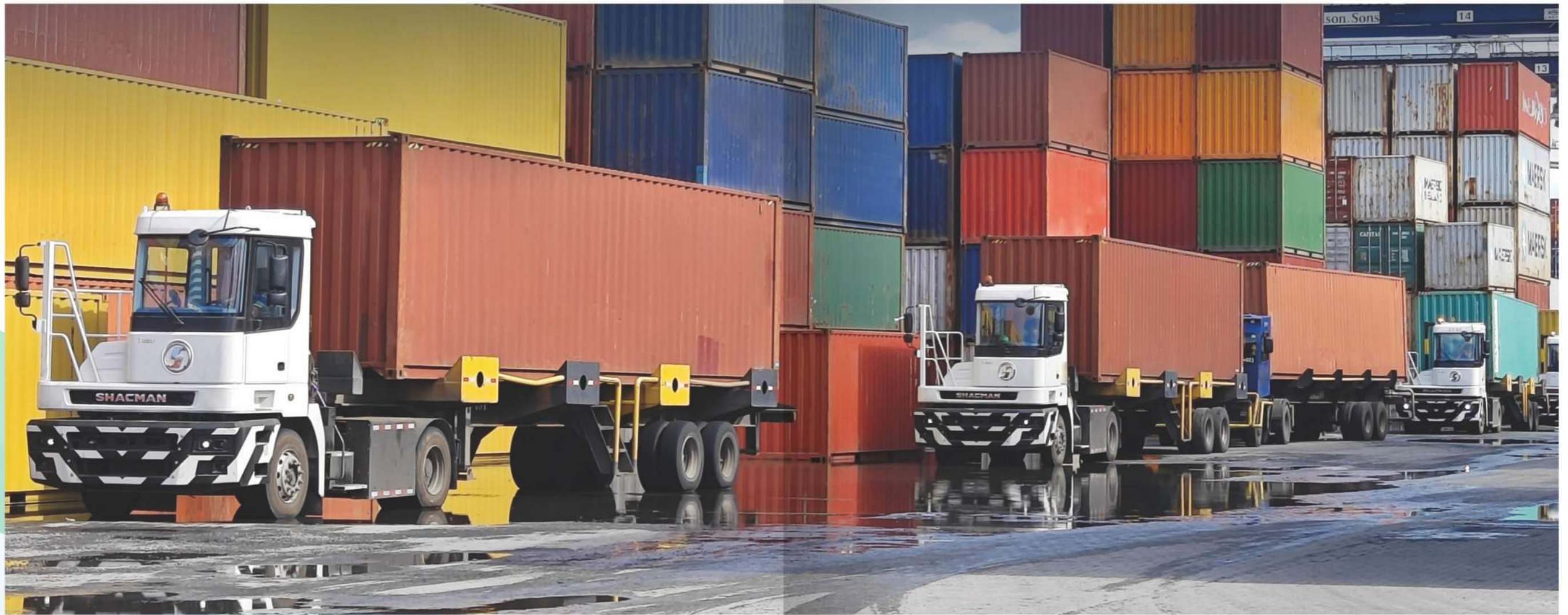


The entire vehicle is equipped with full LED lights, which have a longer lifespan and higher brightness compared to halogen lights.



*Peace Of Mind  
In Every Harbor Transporting*





## DRIVING PROTECTION

Equipped with a 30-inch brake chamber and high-quality valves, the vehicle's braking air pressure reaches up to 1.2MPa, providing excellent braking power and allowing it to stop calmly even in emergency situations.

The gearbox has a shift inhibit function that prevents unsafe shifting to reduce risk during driving.

Caring Gaze detects the driver's facial information through the fatigue monitoring camera to prevent fatigue driving and inattention to ensure driving safety.\*

\*Caring Gaze feature is optional.

The high-brightness warning lights on the cab roof remind oncoming vehicles and pedestrians to pay attention to safety while driving.



## ACCIDENT PROTECTION

The sturdy frame structure of the skeleton welded cab effectively resists falling objects from heights, and the specially designed rear anti-collision frame effectively resists accidental impacts on the cab by cargo such as containers, protecting the driver's personal safety.

The chassis is equipped with a reinforced bumper to prevent accidental scratches and collisions, as well as protective covers customized for the fuel tank or battery, ensuring the safety of accessories in the event of a collision between vehicles.

The full-coverage, easy-to-dismantle operating platform prevents slipping and injuries when getting on and off the vehicle, and with the guardrail design avoids accidental falls during overhauling.

Optional engine automatic fire extinguishing system, equipped with 6 nozzles covering the entire engine compartment, can respond to accidental fires at any time.



***Designed Everywhere For Ease Of Use***





## EASY TO DRIVE

Air main seats combined with pivot-mounted cab suspension with rear air springs ensures the driver maintains optimal driving experience.

Full hydraulic power steering and mechanical steering with hydraulic power assist make turning the steering wheel more effortless and smoother.

The air spring rear suspension makes the entire vehicle ride smoother, reduces bumps and enhances the driving experience.

## EASY TO OPERATE

The on-off valve can easily connect or disconnect the air circuit between the tractor and the trailer, and it is more convenient to disassemble the trailer air pipe.

The flip mechanical lock structure effectively prevents the cab from falling and hurting people when it is flipped, making maintenance safer.

The saddle lift system has a lifting range of 700mm, matching a wide range of trailer heights, with extensive port adaptability. Meanwhile, the saddle pneumatic unlocking function allows the driver to realize a one-key untrailer in the seat.



# CARE Service



## 1<sup>ST</sup> CARE

When new trucks arrive at the port, SHACMAN service personnel will provide on-site inspections, performance adjustments, use training, maintenance training, and a series of caring services to enhance the customer's experience.

## "285" COMMITMENT

SHACMAN PROMISES TO SOLVE

- 2<sup>h</sup> Simple faults within 2 hours
- 8<sup>h</sup> General faults within 8 hours
- 5<sup>d</sup> Major faults within 5 days

ensuring vehicle attendance rates and improving customer operational efficiency.

# T5000<sup>e</sup>

TRUCKING MADE BETTER



Electric Terminal Tractor				
Drive		4x2		
GCW (t)		80		
Main configuration	Cab	Type	Offset cab	
		Suspension	Pivot-mounted cab suspension with rear air springs	
		Seat	Air main seat	
	Motor	Model	TZ400XS003 permanent magnet synchronous motor	
		Peak /Rated power (kW)	260/210	
		Torque (N.m)	2100	
	Battery	Type	LFP	
		Capacity	281.9Kwh	
	Axle	Front axle	7.5t	
		Rear axle	16t double-stage	
	Chassis	Dimension (mm)	1080x300	
		Wheel base (mm)	3600	
		Tire	310/80R22.5, 11R22.5, and others	
		Suspension	Front multi-leaf springs Rear air suspension, rigid rear suspension	
Saddle		Pneumatic unlocking lifting saddle, Pneumatic unlocking fixed saddle		
Steering gear		Hydraulic steering, Mechanical steering gear		
Applicable condition	Applicable road condition	Asphalt pavement, cement pavement, brick pavement		
Other configurations		Window sunscreen film, rear sliding door, side emergency door, electrically heated mirrors, metal bumpers, dual charging ports, cab electric flip, full LED lights, low-speed creep, FOPS & ROPS certified cab, trainee seat		

# T5000

TRUCKING MADE BETTER



Diesel Terminal Tractor			
Drive		4×2	
GCW (t)		80	
Main configuration	Cab	Type	Offset cab
		Suspension	Pivot-mounted cab suspension with rear air springs
		Seat	Air main seat
	Engine	Model	QSB6.7
		Emission standard	EU Stage IIIA
		Rated power (kW)	164
		Torque (N.m)	949
	Transmission	Model	Allison AT (6)
	Axle	Front axle	7.5t
		Rear axle	16t double-stage
	Chassis	Dimension (mm)	1080×300
		Wheel base (mm)	3000/3200
		Fuel tank(L)	200L/260L
		Tire	310/80R22.5, 11R22.5, and others
Suspension		Front multi-leaf springs Rear air suspension, rigid rear suspension	
Saddle		Pneumatic unlocking lifting saddle, Pneumatic unlocking fixed saddle	
Steering gear		Hydraulic steering, Mechanical steering gear	
Applicable condition	Applicable road condition	Asphalt pavement, cement pavement, brick pavement	
Other configurations		Window sunscreen film, rear sliding door, side emergency door, electrically heated mirrors, metal bumpers, cab electric flip, full LED lights, trainee seat FOPS & ROPS certified cab	