

iONTRON eMixer – Generation II



100 % electric driving



100 % electric mixing



Note: Illustration is exemplary. The illustration may differ from the order (Equipment, paintwork and stickers).

Technical data

100 % electric	
Driving	SANY e435
Mixing	P 9 G iONTRON
100 % eco-friendly	
CO ₂ emission	up to zero*
Consumption eChassis in driving mode (mixed)**	170 kWh/100 km
100 % practicable**	
Working range**	350 kWh – approx. 8 h of operation in urban areas
Fill level and payload	9 m ³ nominal filling, comparable to conventional mixers
Charging	CCS2 (250 kW)

* depending on local electricity mix

** Derived within a specific truck mixer working application and can vary depending on factors like payload, driving profile and temperature. It can deviate from values determined in accordance with regulation (EU) 2017/2400.

Configuration	
Type	Putzmeister iONTRON eMixer Gen2
Superstructure	Putzmeister P 9 G iONTRON
Superstructure drive	ZF mixer gearbox CML 12
Vehicle type	SANY e435
Dimensions	
Overall	9440×2550×3890 mm
Wheelbase	1850+3050+1350 mm
Gross weight	32 t
Curb weight	15.3 t
Drum nominal filling	9 m ³
Technically permissible weight (Leaf/Leaf)	38 t (8 / 8 / 11.5 / 11.5)
Technically permissible weight (Leaf/Air)	36 t (8 / 8 / 10.5 / 10.5)
Drive	
e-motor	Permanent Magnet Synchronous Motor (PMSM)
Rated voltage	600 V
Rated Power / Speed / Torque	270 kW / 1800 U/min / 1256 Nm
Peak Power / Speed / Torque	405 kW / 3000 U/min / 2386 Nm
Battery	
Brand	CATL
Type	LFP (lithium ferrophosphate)
Power storage	604 Ah, 350 kWh
Charging	CCS2 (250 kW)

Specifications

Cab version

Cabin 328 medium roof
Left-hand drive
Electric central locking with remote control
Electrically adjustable and heated exterior mirrors
LED headlights
LED running lights
Flat floor (without motor tunnel)

Design of the cab interior

Digital driver display (IC)
Digital entertainment display (MMI)
Fully adjustable seats with air suspension
Steering wheel heating
Seat heating
Lower sleeping lounge with cover
Floor mats
Integrated refrigerator
Air conditioning with automatic temperature control
Remote access to cabin heating via app
Cabin air filter
DAB+ radio
Bluetooth hands-free kit
Accessory power supply
Electric stability control ESC
Speed assistant (ISA)
Collision warning for pedestrians and cyclists (PCW)
Reversing detection (REV)
Tyre pressure monitoring system (TPMS)
Driver Drowsiness and Attention Warning (DDAW)
Moving Off Information System (MOIS)
Lane Departure Warning System (LDWS)
Blind Spot Assist System (BSIS)
Emergency brake display (ESS)
Cruise control
360° camera system
Front parking sensors
Digital telematics pre-equipment

Suspension and axles

Leaf-spring front axle; axle load 2x 8.0 t
Leaf-spring rear axle Axle load 2x 11.5 t

Wheels and tyres

Light alloy rims
Tyre size 315/80 R 22.5

Drive train

Permanent magnet synchronous motor
600 V high-voltage vehicle system
Rated Power / speed / torque:
270 kW / 1800 rpm / 1256 Nm
Peak Power / speed / torque:
405 kW / 3000 rpm / 2386 Nm
4-speed automatic transmission J4S240
Recuperation 4 levels selectable
Hill start assist
Traction control (ASR)

Brake system

Electronic braking system (EBS)
Front and rear disc brakes

Chassis

Vehicle class N3G
8x4 axle configuration
Wheelbase: 1850 + 3050 + 1350
Mechanical power take-off
Peak power / speed / torque:
85 kW / 3500 rpm / 750 Nm
Rated power / speed / torque:
45 kW / 850 rpm / 450 Nm

Battery

LFP (lithium iron phosphate)
Capacity: 350 kWh
Charging capacity: Max. 250 kW (CCS2)
Battery guarantee 8 years (70 % SOH) from machine handover

Roadside Assistance

24/7 breakdown assistance during the warranty period

Additional chassis options

Compressed air gun in the cab
Toolbox on mudguard
Wheel chocks 2x on the rear mudguard
Air-spring rear axle Axle load 2x 10.5 tonnes
Rotating beacons cab roof
Advanced Emergency Braking System (AEBS)
Optional preparation for MAUT
Worklight LED
Service contracts Basic B6 (e435)
Basic B8 service contracts (e435)
Service contracts CarePlus B6 (e435)
Service contracts CarePlus B8 (e435)

Mixer

Chute adjustment hydraulic with hand pump
Delivery chute 1.45 m
Double drip ring on mixer drum
Drum support rollers, two
Inlet hopper, rigid
Ladder with guard plate, slidable, aluminum
Last spiral gear raised
Second manhole opening, w.add. lock, Ø 580 mm
Mixer drum P 9 G
Pendulum flap (flap with retainer) for swivel chute
Rubber collar on mixer filling hopper
Wear plates for filling and discharge hopper and slewable chute
ZF mixer gearbox CML 12
EMC control (Ergonic Mixer Control) radio remote (optional)
Cleaning hose 8 m + 2 m incl. bracket and nozzle
Faucet below the water tank
Filling line on both sides incl. premium ball valves
Mixer drum adjustment, mechanical
Pressure tank 500 l, aluminium
Water system front and rear (cross pipe at the support frame)

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