CHENGLI
SPECIAL AUTOMOBILE

CL5040XLCBEVBXW
Chengli Special Automobile Co., Ltd.
Suizhou, Hubei, China

REFRIGERATED TRUCKS · BYD CHASSIS

BYD T5 Battery-Electric Refrigerated Truck

Model CL5040XLCBEVBXW · Battery-electric refrigerated transport for urban and regional cold-chain distribution — zero emission, no fuel consumption, suited to low-emission zones and new-energy vehicle access rules.



4.5 t	Battery electric	Lithium iron phosphate (LFP)
GROSS VEHICLE WEIGHT	POWERTRAIN TYPE	BATTERY TYPE

Vehicle Announcement Data

Model	CL5040XLCBEVBXW
Product Name	Battery-electric refrigerated truck
Product Brand	CHENGLI
Announcement Batch	Batch No. 410
Gross Vehicle Weight	4,495 kg
Rated Payload	975 / 910 kg
Kerb Weight	3,390 kg
Overall Dimensions	5,995 × 2,260 × 3,260 mm
Box Body (Outer)	4,000 × 2,100 × 2,100 mm
Axle Load	2,020 / 2,475 kg
Max. Speed	90 / 100 km/h (optional speed limiter)

Battery Packs & Range (Reefer On, -18 °C)

82 kWh Battery Pack	210 km
100 kWh Battery Pack	250 km
132 kWh Battery Pack	330 km
151 kWh Battery Pack	350 km

Power & Energy Storage

Fuel Type	Battery electric
Powertrain Type	Battery electric, no fuel system
Drive Motor Type	Permanent-magnet synchronous motor
Drive Motor Model	TZ200XSAX
Rated / Peak Power	70 kW / 150 kW
Motor Manufacturer	Huai'an BYD Industry Co., Ltd.
Energy Storage Type	Lithium iron phosphate (LFP) battery
Battery Cell Manufacturer	Taizhou FinDreams Battery Co., Ltd.
Battery Pack Manufacturer	FinDreams Battery Co., Ltd.

Chassis Configuration

Chassis Model	BYD1040A3BEVC3
Chassis Designation	Electric cargo truck chassis
Chassis Manufacturer	BYD Auto Industry Co., Ltd.
Axles / Tyres	2 axles / 6 tyres
Wheelbase	3,360 mm
Tyre Size	7.00R16LT 10PR

Insulated Body & Refrigeration

Cargo Body Type	Insulated box body with a sealed, non-opening roof; temperature control and monitoring
Intended Use	Refrigerated transport of food, biological products and other goods other than dangerous goods
Refrigeration Unit	Roof-mounted condenser + in-box evaporator
Body Material	Composite sandwich panels, 80 mm thick all round (front, sides, rear, floor, roof)
Body Weight	940 kg (including refrigeration unit, side guards and mudguards)
Side / Rear Guards	Q235 steel; sides bolted and welded, rear welded; section 100 × 50 mm, 460 mm above ground
ABS System	BSC-T (FinDreams Powertrain); optional CM4XL-4S/4M, CM-EBS (Guangzhou Ruili Kemi)
Kerb Weight Note	Includes on-board tools, excluding the spare tyre
Optional Configuration	Direct-supply ETC on-board unit; speed limiter 90 / 100 km/h

Key specifications only — the complete technical package carries every announcement parameter, the export document list and conformity information.

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