

DAF LF FA Full Electric

Cab exterior execution

- Day Cab
- Central door lock with remote control
- Day time running lights with LED
- Halogen head lights with Lexan lenses
- Mechanical cab suspension

Optional:

- Electrical mirror adjustment
- Rear window, single glass
- Sun visor Green translucent
- Hazard beacon lights on cab roof
- Fog lights in the lower bumper combined with cornering light function
- Mirror brackets, body 2.40-2.50 m

Cab interior execution

- LHD
- Mechanical differential lock switch
- Vehicle Stability Control (VSC)
- Lane departure Warning System (LDWS)
- Cruise Control (CC) with Forward Collision Warning (FCW)
- Storage on the engine tunnel

Optional:

- RHD
- Reverse warning system
- Roof hatch manual controlled
- Fire extinguisher
- Air bag

Suspension and Axles

- Parabolic front suspension;
- Air suspended rear axle,
- 7,5t front axle load
- 13t rear axle

Wheels and Tyres

- Steel disc wheels
- Various tyre makes, tyre sizes and tread patterns

Optional:

- Aluminium Alcoa wheels

Driveline

- E-motor Dana Sumo HD direct drive, 250 kW continuous
- Rear axle ratio 5.57

Brake System

- Ventilated disc brakes at front and rear
- Advanced Emergency Braking System (AEBS)

Chassis

- 19t GVM
- Wheelbase 5.30 m
- Side member: 270 mm
- Single circuit steering system
- CATL H-pack high voltage batteries, 254 kWh effective
- Manual main switch

Optional:

- Wheelbase 5.85 m

Body and body preparations

- Application connector tail lift

Optional:

- CAN J1939 functions in application connector
- Side marker lights
- E-PTO 400V AC
- BAM1 or BAM3, loose supply

Warranty

- Standard warranty; 1 year for the complete vehicle, 2nd year driveline and 1st year breakdown

DAF MULTISUPPORT repair and maintenance

- DAF MultiSupport Full Care

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Note: standard cab colour is Brilliant White. No rights can be derived from this picture.

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The LF Electric 4x2 rigid (FA) offers the ideal solution for transporting various goods in an environmental friendly way through inner city environments. Thanks to its powerful electric motor, the possibility to use both AC- or DC-charging methods, short charging times, 280 km range and 400V/22kW e-PTO the LF Electric provides a high level of flexibility. This flexibility enables drivers to operate the vehicle without having to worry about charging the vehicle during working hours and gives them the possibility to transport a wide range of (non-)temperature controlled goods.

Cab interior

For the LF Electric DAF has developed a special, high quality instrument cluster, where the rev counter has been replaced by a power-/charge level indicator and instead of a fuel-/AdBlue® gauge the battery energy level is shown.

Side box

The side box is a control unit that houses the air compressor and the high voltage s-box with two manual service disconnects (MSDs). The high voltage s-box controls the battery status and thermal management of the vehicle batteries. The air compressor provides air pressure for the braking system, a motor and inverter are included.

Power Electronics Cradle

Many of the LF Electric electronic main components are centrally located in the Power Electronics Cradle (PEC) underneath the cab where the combustion engine would have been positioned. Next to the high voltage junction box other components like the cab heater, air condition compressor, power steering pump, water cooling pump and the power steering inverter are located in the PEC. The central positioning of these components enables repair and maintenance work to be carried out more easily and therefore more efficiently.

E-PTO

A 400V AC 22 kW e-PTO is optionally available for the LF Electric and is ideal to power refrigeration bodies. The CEE socket is conveniently mounted at the rear of the cab and can be used to directly power most refrigeration units.

E-motor

The powerful permanent magnet motor provides motive power and also recovers electrical energy during braking. Efficiency is maximised thanks to the direct drive design, and with its brushless construction the motor is maintenance free.

Battery energy storage

The LF Electric has 4 battery modules combined into 2 battery packs on both sides of the chassis. These temperature controlled, cobalt free, Lithium Iron Phosphate (LFP) batteries provide an impressive 254 kWh regardless of the outside temperature.

Charging systems

The LF Electric can be charged by an external Direct Current (DC) charger or an Alternating Current (AC) charger. This means that it is not always required to invest directly in expensive (DC) charging equipment, and/or electrical infrastructural changes to charge the LF Electric. In most cases, low cost AC charging equipment will suffice to operate the LF Electric in city distribution applications. The CCS charging connector on the LF Electric meets the Combo 2 protocol and is positioned on the driver's side, either left-hand side or right-hand side of the chassis is possible depending on the driver's position.

Main switches

The LF Electric vehicle is equipped with various main switches, or manual service disconnects (MSDs). One is situated on each battery pack and two are available on the Side box. Furthermore, there is a safety guide available in the vehicle which explains exactly how to act in regard to the main switches to ensure the vehicle is in a 'safe' state.

