

P 280 CK eDRIVE

EMISSION-FREE ALLROUNDER

LIFETIME EXCELLENCE



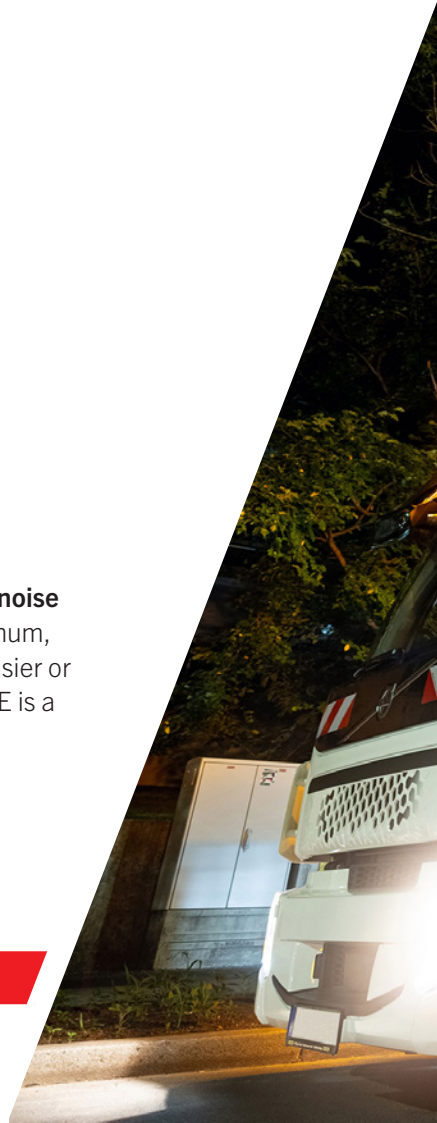
P 280 CK E-DRIVE

EMISSION-FREE ALLROUNDER

The popular access platform is now available as an **emission-free and particularly low-noise version**. Thanks to the fully-electric drive, noise and pollution can be reduced to a minimum, making work in urban areas, night-time operations and operations near hospitals way easier or even possible in the first place. With a working height of 28 meters, the P 280 CK eDRIVE is a versatile all-rounder and a perfect fit for your tasks.

PRODUCT HIGHLIGHTS

- Battery storage 375 kWh (total energy)
- Fully electric drive with two synchronous motors, automatic 2-speed transmission, 225 kW (306 hp), 850 Nm
- Robust aluminum work basket with 300 kg basket load and integrated anti-squeeze protection in the knee rail.
- Hydraulic basket turning device with automatic center position
- Flat substructure under the workman basket allows users to get as close to obstacles as possible
- Compact vertical stabilizers allow to be set up in confined spaces with maximum outreach.
- Large loading area with high payload reserve, e.g. for tool loading
- Low overall height of 3.30m - ideal for use in inner-city areas





E-DRIVE ACCESS PLATFORMS

Our way to zero emissions

Electrification is already a major factor in the access platform business in many countries. Therefore, solutions that enable emission-free work as well as solutions which offer a perspective on how the changeover to electrically powered machines are already needed today. With modern hybrid variants all the way to emission-free access platforms such as the P 280 CK eDRIVE, PALFINGER offers a wide range of solutions for this transitional process.



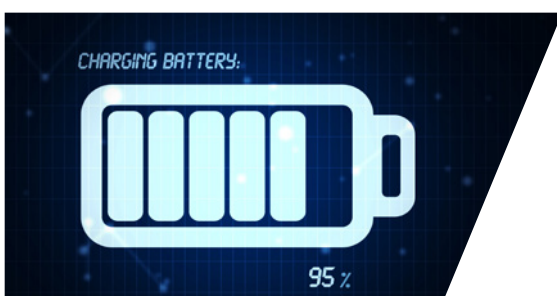
BATTERY & CHARGING TIMES

The battery of the VOLVO FE Electric has a capacity of 375 kWh, can be charged during operation and powers both the vehicle and the aerial work platform. The charging time with 150 kW DC is around 2.3 hours. With conventional AC (22 kW), the charging time is around 17 hours. All four battery packs are fully charged during this process.



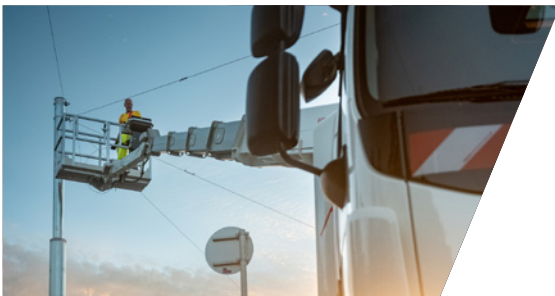
CONSUMPTION: TRIPS & APPLICATIONS

The chassis with the mounted platform has a range of around 240 kilometers. In order to be able to check how many work cycles - one cycle corresponds to the extension of the platform to the maximum working height including a 90° rotation of the turntable and the return to the starting position - are still possible after a certain distance has been driven, we have created an application calculator. This can be found on the PALFINGER website.



CHARGING INFRASTRUCTURE

By 2030, Europe will have 13.79 TWh of charging energy per year for heavy duty vehicles, according to the EU infrastructure targets and additional plans in Germany. That would supply 97% of the energy needs of the electric trucks and coaches on the road. A recently agreed EU law obliges member states to install at least one truck charging hub every 60-100 km along major motorways.



COST SAVINGS

Thanks to its powerful electric engine, the VOLVO FE Electric can work emission- and CO²-free and make an important contribution to the environment. In addition, you also save running costs as no fuel has to be purchased and there is no need to repair the gearbox or alternator. And of course this powerful truck is also great fun to drive.



APPLICATIONS














No noise pollution and no pollutant emissions. Particularly when working in urban areas, especially at night, the noise pollution caused by the operation of an aerial work platform can be a problem for many residents. In some areas, such as near hospitals, night work with conventional platforms is sometimes even completely prohibited. With the P 280 CK eDRIVE, both are reduced to a minimum, as the chassis is fully electric and the noise pollution caused by operating the platform is minimal.



PERFORMANCE

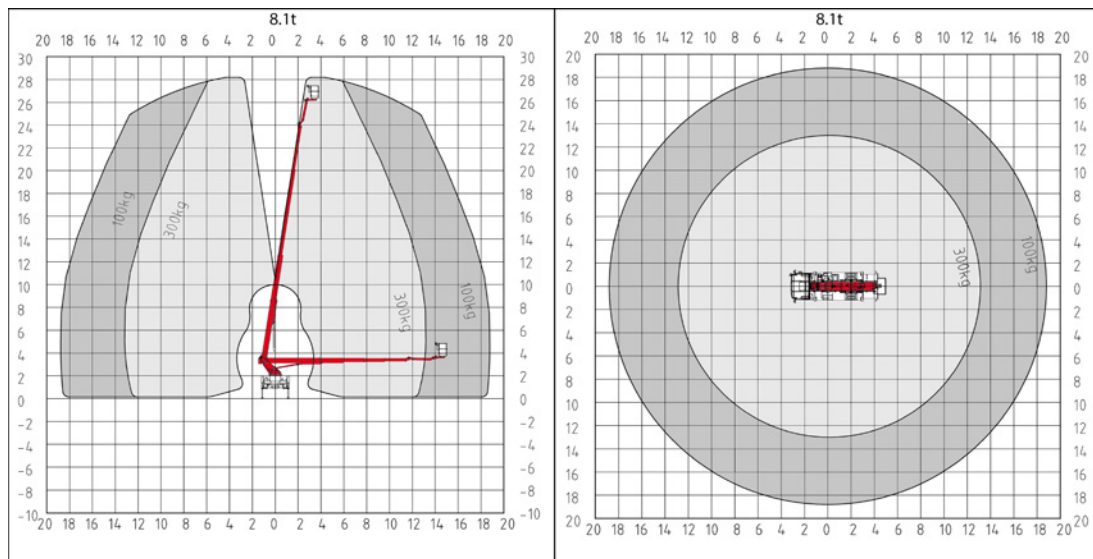
The all-electric chassis is particularly dynamic thanks to high torque and efficient motor braking power. During the work operation itself, you have the same power when compared to a conventionally truck-mounted access platform. Therefore, no change in working habits is necessary and you can utilize the full performance range of the P 280 CK e-DRIVE.

TECHNISCHE DATEN

	Total weight *	13440 kg		Max. horizontal outreac	18,8 m
	Overall length*	8,20 m		Rotation angle of turntable	500°
	Total width*	2,51 m		Rotation angle of cage	2 x 90°
	Travelling height*	3,40 m		Rotation angle of cage boom	185°
	Wheelbase	4750 mm		Size of cage	1,40 x 0,70 x 1,10 m
	Max. working height	28,0 m		Max. cage load	300 kg
	Max. cage bottom height	26,0 m			

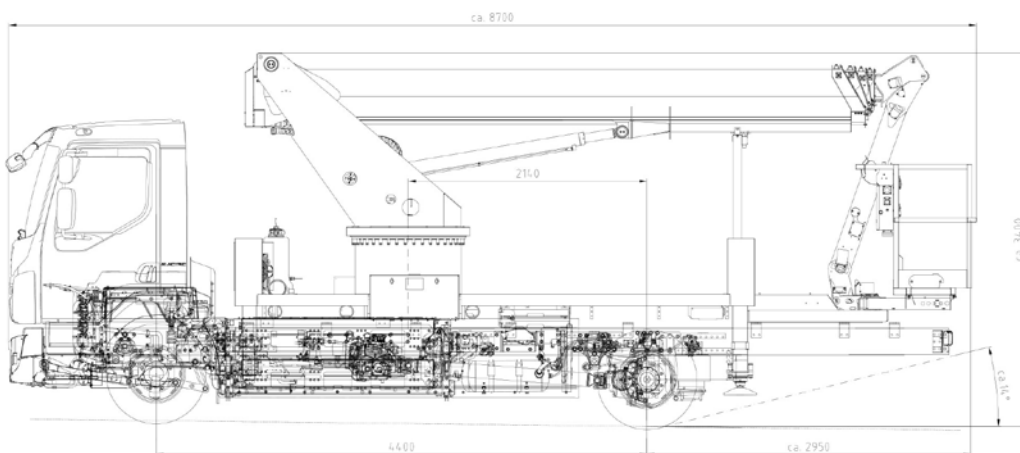
* Depending on the truck chassis

WORKING DIAGRAMS



* A possible 2% tolerance is contingent on structural components

DIMENSIONS





OPTIONEN

- Tree maintenance package (tree basket, wooden edge, protective roof, chainsaw mount)
- Protective grating above cab
- Display at the base, including height limiting
- Display in the workman basket, including adjustment of ramps
- Aluminium edging
- Dual insulation with plastic basket

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Units shown in the leaflet are partially optional equipped and do not always correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary. Subject to technical changes, errors and translation mistakes.