
Instruction

Programming ACP motors

Translation of the document

Editor

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Validity

This document is only valid for the products listed in the following table:

Type	Model	Version
E-TRUCK	LOW CAB	V2.2
E-TRUCK	MID CAB MID CAB X HIGH CAB	V2.X

1 Safety regulations and information

1.1 Designwerk service portal

The following documents are available for download on the Designwerk service portal:

 Designwerk Imprint	DW_009BAIIPM
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2 Preface

The ACP motors are delivered with the factory settings. This document describes how to program them to the design factory settings.

2.1 List of abbreviations

Abbreviation	Meaning
ACP	AC Propulsion (company name)
CAN	Controller Area Network
HD	Heavy Duty
LD	Low Duty
PC	Personal computer
PCAN	Programming Controller Area Network
PTO	Power Take-Off
SN	Serial number
USB	Universal Serial Bus

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Due to the technical development of our products, we reserve the right to make technical design changes. The current document versions are available online on the Designwerk service portal.

3 Program ACP motors

	INFORMATION
	For the planned programming of the AC Propulsion motors (ACP motors), the material is provided by Designwerk and sent as a set.

3.1 Material required

	PCAN-USB dongle
	Programming cable ACP motor X1: Connection ACP motor X2: Plus supply 12 V X3: Confirmation signal 12 V plus X4: Ground X5: Programming CAN X6: Vehicle CAN
	12 V power supply unit
	Computer with installed software

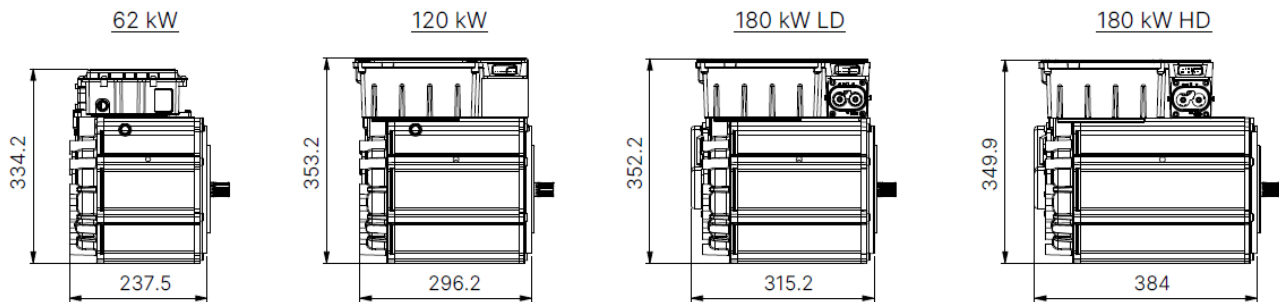
4 Work steps

- 1 Connect the plugs as described:
 - Connect plug X1 to motor.
 - Connect plug X2 to X3.
 - Connect plug X2/X3 to power supply plus 12 V.
 - Connect plug X4 to power supply minus 12 V.
 - Connect plug X5 with PCAN-USB dongle.

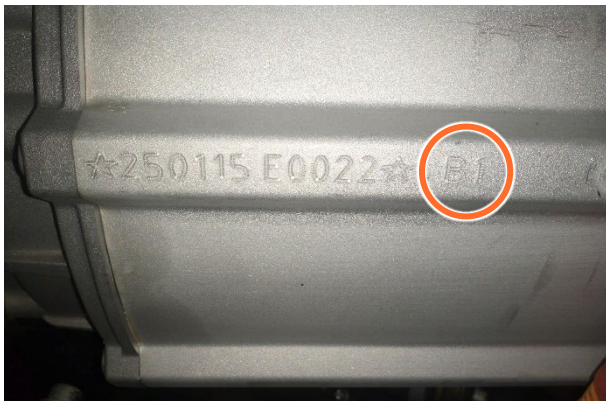
Do NOT use connector X6.

- 2 Connect the USB port to the PC.
- 3 Connect the power supply.
Switch on the power supply.
- 4 Switch on the PC.

Recognize ACP motors reliably

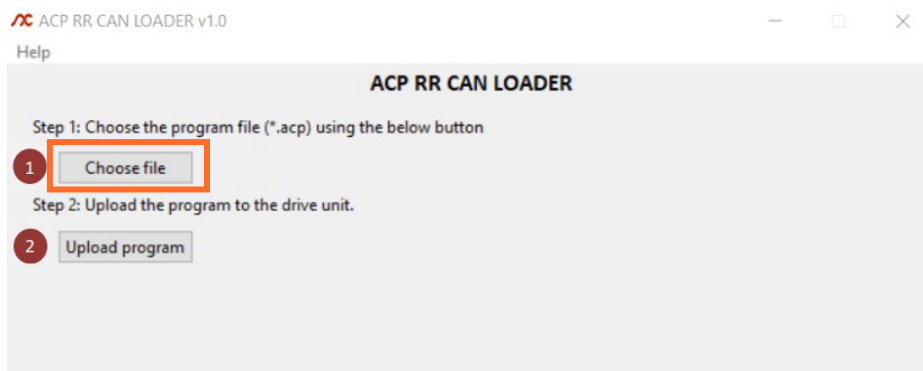


If your engine is a 180 kW HD, there will either be a "B" stamped on the motor next to the serial number (with B mark) or not (without B mark), see picture below.



This is important in order to select the correct folder for the motor.

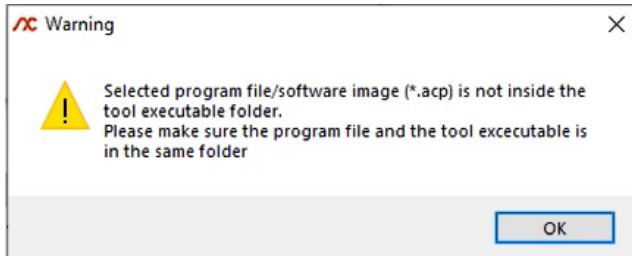
- 5 Download the folder ACP-Motoren.zip from the Designwerk ShareFile under Download.
- 6 Unzip the folder on your own computer.
- 7 Open the subfolder for the corresponding motor, select the subfolder for the corresponding motor type, if necessary, and read the READ_ME.txt file it contains.
It describes which Cofig file must be loaded.
- 8 Open the "ACP RR CAN Loader.exe" application.
- 9 Click on "Choose file" in the new pop-up window.





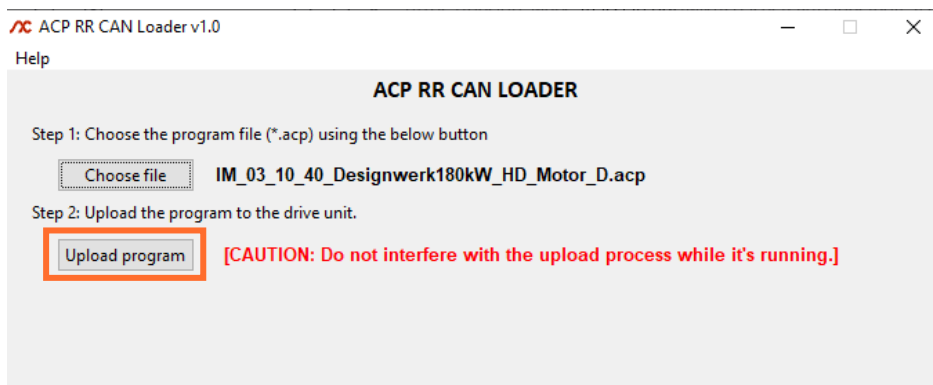
Use of correct config file

- The config file to be opened MUST be stored in the same folder as the opened application "ACP RR CAN Loader.exe".
- It is not possible to open a program for another motor.
- If this is attempted, the following error message appears:



10 Click on "Upload program".

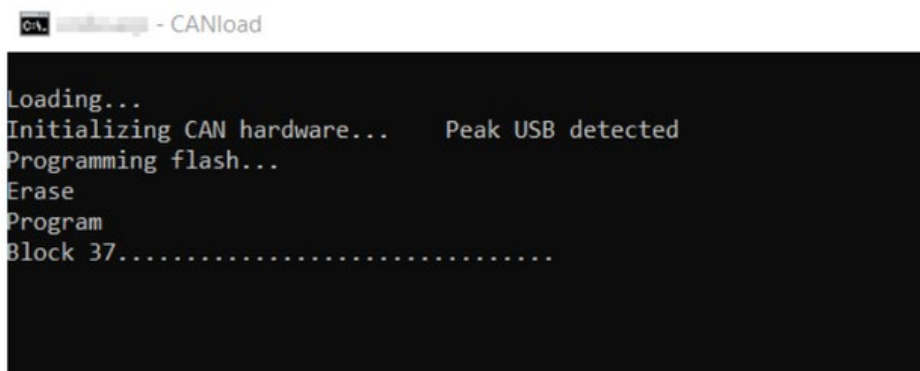
- The power supply must not be disconnected during the upload!
- The plug on the motor must never be disconnected during the upload!



11 The CANload pop-up window opens and closes automatically.



If the window does not close automatically, something has gone wrong.



12 Once the window has closed, the programming process is complete.

- Disconnect the 12 V supply.
- Disconnect the plug from the motor.