# Design Data & Traction Application Questionnaire

| Questionnaire application | Date |
|---|---|

Thank you for your inquiry. Please provide all required information as detailed as possible in this questionnaire.
If all data are not available, HEINZMANN will work with standard assumptions.

## Company data

| | |
|---|---|
| Company name | |
| Contact person | |
| Phone | |
| E-Mail | |

## Short description of application

| | |
|---|---|
| Project name | |
| (Description, picture, aims, …) | |

### Application data for HEINZMANN motor calculation

| | | | |
|---|---|---|---|
| Vehicle type | (e.g. Truck, Bus, Wheel loader, …) | | |
| Vehicle mass [kg] | | | |
| Payload [kg] | | | |
| Vehicle dimensions [mm] | Length= | Width= | Height= |
| Vehicle velocity [km/h] | Vmax= | Vcontinuous= | |
| Wheel diameter [mm] | | | |
| Maximal inclination / slope [°] | | | |
| Rolling friction coefficient | | | |
| Acceleration | | | |
| Gearbox ratio to E-Motor [-] | | | |
| Electrical implementation | (I/Os, CAN protocol, …) | | |
| Battery size/ type: | | | |

## Motor data (required)

| | | | |
|---|---|---|---|
| Rated power needed [kW] | | | |
| Maximal power needed [kW] | | | |
| Rated speed needed [1/min] | | | |
| Maximal speed needed [1/min] | | | |
| Rated torque needed [Nm] | | | |
| Maximal torque needed [Nm] | | | |
| Rated voltage level [V] | | | |
| Available installation space [mm] | Length= | Width= | Height= |
| Cooling method | (air, water, volume flow rate, temperatures, maximal delta_T, …) | | |

## Special requirements

## Forecast

| | | | |
|---|---|---|---|
| Estimated volume per year | 1st year: | 2nd year: | 3rd year: |