



# Customer Information

Vehicle Configuration	
<i>VIN:</i>	1234
<i>Axle Configuration:</i>	4x2
<i>Vehicle Group:</i>	5
<i>Manufacturer:</i>	TU Graz
<i>Model:</i>	HEV Heavy Lorry Px
<i>Corrected Actual Mass:</i>	10143 kg
<i>Sleeper Cab:</i>	no
<i>HE HDV:</i>	no
<i>Off Vehicle Chg.:</i>	yes
<i>Vehicle Category:</i>	N3
<i>TPMLM:</i>	18000 kg
<i>CO2 Standards Group:</i>	5-RD
<i>Address:</i>	Inffeldgasse 19
<i>Type Approval Nbr.:</i>	ASDF
<i>Vocational:</i>	no
<i>ZEV:</i>	yes
<i>PEV Architecture:</i>	E4
<i>Total Rated Power:</i>	650 kW
EM Voltage Levels	
<i>Voltage Level 100 V</i>	<i>Voltage Level 1000 V</i>
<i>Max. Cont. Power:</i> 152 kW	<i>Max. Cont. Power:</i> 152 kW
<i>Total Storage Cap:</i> 1203 kWh	<i>Usable Storage Cap:</i> 963 kWh
<i>Nbr. Gears:</i> 1	<i>Average RRC:</i> 0.0038
Advanced Driver Assistant Systems	
<i>PCC:</i>	yes
Axle 1	Axle 2
<i>Dimension:</i> 315/70 R22.5	<i>Dimension:</i> 315/70 R22.5
<i>Fuel Eff. Class:</i>	<i>Fuel Eff. Class:</i>
<i>Certification Nbr:</i> e12*0815/8051*2017/05E0000*00	<i>Certification Nbr:</i> e12*0815/8051*2017/05E0000*00
<i>Steering Pump Tech.:</i> Electric driven pump	

Signature Input Data	
<i>Digest Value:</i>	zWqsZqQUxh6tdM+TsGCgx2ZqFgWVaeZB6xjHLzL2XBo=

Signature Manufacturer Record File	
<i>Digest Value:</i>	GuHnHKseRKjK3F6v9ar4YmUgMUpmSEwYQvsFyQx2thk=

<b>Simulation Status: Success</b>
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**Mission Profile:** Long Haul

**Total Vehicle Mass:** 20243 kg

**Payload:** 2600 kg

**Total**

**Average Speed:** 80.0 km/h

**Electric Energy**

*Energy cons.:* 1.050 kWh/km  
*Energy cons.:* 0.4039 kWh/t-km  
*Energy cons.:* 0.01154 kWh/m<sup>3</sup>-km  
*Energy cons.:* 3.780 MJ/km  
*Energy cons.:* 1.454 MJ/t-km  
*Energy cons.:* 0.04154 MJ/m<sup>3</sup>-km

**Electric Ranges**

*RCDA*<sup>1</sup>: 927.0 km  
*ZCER*<sup>2</sup>: 927.0 km  
*EAER*<sup>3</sup>: 927.0 km

**Mission Profile:** Long Haul

**Total Vehicle Mass:** 36943 kg

**Payload:** 19300 kg

**Total**

**Average Speed:** 79.6 km/h

**Electric Energy**

*Energy cons.:* 1.310 kWh/km  
*Energy cons.:* 0.06788 kWh/t-km  
*Energy cons.:* 0.01440 kWh/m<sup>3</sup>-km  
*Energy cons.:* 4.716 MJ/km  
*Energy cons.:* 0.2444 MJ/t-km  
*Energy cons.:* 0.05182 MJ/m<sup>3</sup>-km

**Electric Ranges**

*RCDA*<sup>1</sup>: 743.1 km  
*ZCER*<sup>2</sup>: 743.1 km  
*EAER*<sup>3</sup>: 743.1 km

**Mission Profile:** Long Haul EMS

**Total Vehicle Mass:** 26543 kg

**Payload:** 3500 kg

**Total**

**Average Speed:** 79.9 km/h

**Electric Energy**

*Energy cons.:* 1.352 kWh/km  
*Energy cons.:* 0.3864 kWh/t-km  
*Energy cons.:* 0.009625 kWh/m<sup>3</sup>-km  
*Energy cons.:* 4.868 MJ/km  
*Energy cons.:* 1.391 MJ/t-km  
*Energy cons.:* 0.03465 MJ/m<sup>3</sup>-km

**Electric Ranges**

*RCDA*<sup>1</sup>: 719.8 km  
*ZCER*<sup>2</sup>: 719.8 km  
*EAER*<sup>3</sup>: 719.8 km

**Mission Profile:** Long Haul EMS

**Total Vehicle Mass:** 49543 kg

**Payload:** 26500 kg

**Total**

**Average Speed:** 78.3 km/h

**Electric Energy**

*Energy cons.:* 1.727 kWh/km  
*Energy cons.:* 0.06518 kWh/t-km  
*Energy cons.:* 0.01229 kWh/m<sup>3</sup>-km  
*Energy cons.:* 6.218 MJ/km  
*Energy cons.:* 0.2346 MJ/t-km  
*Energy cons.:* 0.04425 MJ/m<sup>3</sup>-km

**Electric Ranges**

*RCDA*<sup>1</sup>: 563.6 km  
*ZCER*<sup>2</sup>: 563.6 km  
*EAER*<sup>3</sup>: 563.6 km

**Mission Profile:** Regional Delivery

**Total Vehicle Mass:** 20243 kg

**Payload:** 2600 kg

**Total**

Average Speed: 61.0 km/h

**Electric Energy**

Energy cons.: 0.9945 kWh/km  
Energy cons.: 0.3825 kWh/t-km  
Energy cons.: 0.01093 kWh/m<sup>3</sup>-km  
Energy cons.: 3.580 MJ/km  
Energy cons.: 1.377 MJ/t-km  
Energy cons.: 0.03934 MJ/m<sup>3</sup>-km

**Electric Ranges**

RCDA<sup>1</sup>: 978.8 km  
ZCER<sup>2</sup>: 978.8 km  
EAER<sup>3</sup>: 978.8 km

**Mission Profile:** Regional Delivery

**Total Vehicle Mass:** 30543 kg

**Payload:** 12900 kg

**Total**

Average Speed: 60.9 km/h

**Electric Energy**

Energy cons.: 1.172 kWh/km  
Energy cons.: 0.09089 kWh/t-km  
Energy cons.: 0.01288 kWh/m<sup>3</sup>-km  
Energy cons.: 4.221 MJ/km  
Energy cons.: 0.3272 MJ/t-km  
Energy cons.: 0.04638 MJ/m<sup>3</sup>-km

**Electric Ranges**

RCDA<sup>1</sup>: 830.3 km  
ZCER<sup>2</sup>: 830.3 km  
EAER<sup>3</sup>: 830.3 km

**Mission Profile:** Regional Delivery EMS

**Total Vehicle Mass:** 26543 kg

**Payload:** 3500 kg

**Total**

Average Speed: 61.0 km/h

**Electric Energy**

Energy cons.: 1.281 kWh/km  
Energy cons.: 0.3660 kWh/t-km  
Energy cons.: 0.009118 kWh/m<sup>3</sup>-km  
Energy cons.: 4.612 MJ/km  
Energy cons.: 1.318 MJ/t-km  
Energy cons.: 0.03283 MJ/m<sup>3</sup>-km

**Electric Ranges**

RCDA<sup>1</sup>: 759.8 km  
ZCER<sup>2</sup>: 759.8 km  
EAER<sup>3</sup>: 759.8 km

**Mission Profile:** Regional Delivery EMS

**Total Vehicle Mass:** 40543 kg

**Payload:** 17500 kg

**Total**

Average Speed: 60.4 km/h

**Electric Energy**

Energy cons.: 1.549 kWh/km  
Energy cons.: 0.08849 kWh/t-km  
Energy cons.: 0.01102 kWh/m<sup>3</sup>-km  
Energy cons.: 5.575 MJ/km  
Energy cons.: 0.3186 MJ/t-km  
Energy cons.: 0.03968 MJ/m<sup>3</sup>-km

**Electric Ranges**

RCDA<sup>1</sup>: 628.6 km  
ZCER<sup>2</sup>: 628.6 km  
EAER<sup>3</sup>: 628.6 km

<b>Mission Profile:</b>	<b>Urban Delivery</b>
<b>Total Vehicle Mass:</b>	<b>20243 kg</b>
<b>Payload:</b>	<b>2600 kg</b>
<b>Total</b>	
Average Speed:	26.6 km/h
<b>Electric Energy</b>	
Energy cons.:	0.8744 kWh/km
Energy cons.:	0.3363 kWh/t-km
Energy cons.:	0.009609 kWh/m <sup>3</sup> -km
Energy cons.:	3.148 MJ/km
Energy cons.:	1.211 MJ/t-km
Energy cons.:	0.03459 MJ/m <sup>3</sup> -km
<b>Electric Ranges</b>	
RCDA <sup>1</sup> :	1113.2 km
ZCER <sup>2</sup> :	1113.2 km
EAER <sup>3</sup> :	1113.2 km

<b>Mission Profile:</b>	<b>Urban Delivery</b>
<b>Total Vehicle Mass:</b>	<b>30543 kg</b>
<b>Payload:</b>	<b>12900 kg</b>
<b>Total</b>	
Average Speed:	26.5 km/h
<b>Electric Energy</b>	
Energy cons.:	1.213 kWh/km
Energy cons.:	0.09404 kWh/t-km
Energy cons.:	0.01333 kWh/m <sup>3</sup> -km
Energy cons.:	4.367 MJ/km
Energy cons.:	0.3385 MJ/t-km
Energy cons.:	0.04799 MJ/m <sup>3</sup> -km
<b>Electric Ranges</b>	
RCDA <sup>1</sup> :	802.5 km
ZCER <sup>2</sup> :	802.5 km
EAER <sup>3</sup> :	802.5 km

<b>Summary</b>	
<b>Average Payload:</b>	<b>10.258 t</b>
<b>Electric Energy</b>	
Energy cons.:	1.130 kWh/km
Energy cons.:	0.1102 kWh/t-km
Energy cons.:	0.01242 kWh/m <sup>3</sup> -km
Energy cons.:	4.069 MJ/km
Energy cons.:	0.3967 MJ/t-km
Energy cons.:	0.04472 MJ/m <sup>3</sup> -km
<b>Electric Ranges</b>	
RCDA <sup>1</sup> :	867.2 km
ZCER <sup>2</sup> :	867.2 km
EAER <sup>3</sup> :	867.2 km

<b>Application Information</b>	
VECTO Version:	4.0.3.3330
Date:	2024-02-13T09:24:52.1847838Z

<b>Customer Information File Signature</b>	
Digest Value:	6I0b0kwNTUEBhaqYmvnArFlHSjBGL1dLJNI+V6wSxro=

<sup>1</sup> RCDA: actual charge depleting range

<sup>2</sup> ZCER: zero CO2 emissions range

<sup>3</sup> EAER: equivalent all electric range