



ENERGY CONSUMPTION CALCULATION REPORT
ACCORDING TO THE 2017 E-SORT CYCLES
Standardised On Road Test

Issue date: 06/01/2023

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1. Calculation result

Cycle	elec energy consumption [kWh/km]
SORT 1	
SORT 2	0.76
SORT 3	

2. Vehicle characteristics

a. Type and dimensions

Manufacturer	IVECO BUS
Name	CRW LE elec
Class	Class I
Dimensions	Length : 12.10 m Width : 2.55 m

b. Electric motor

Manufacturer and name	SIEMENS 1DB2022-1NA06
Maximum power	240 kW peak / 210 kW continuous
Maximum torque	3600 Nm

c. Energy Storage System

Manufacturer and name	FPT Microvast 53Ah
Type	Li-ion NMC
Capacity nominal BOL	416kWh (6 pack)

d. Rear axle

Manufacturer and name	
Ratio	

e. Weight calculation

Final vehicle weight	16600 kg
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3. Cycle characteristics

SORT cycles defined according to the 2014 UITP procedure + E-SORT amendment.

4. Source of data

SORT values are based on measurements on corresponding GX137 and GX337 vehicle.

Compensation is done to adjust pack capacity and SORT mass to target configuration, assuming hypothesis on efficiencies difference between vehicles/drivelines (1DB2016 vs 1DB2022, axle type, vehicle drag).

