

Calculating CO2 Emission

Aviation Fuel & CO2 Emissions – Chevalier Multi-Drive Actuator

The use of the CHEVALIER Single Motor Multi Drive System in an aircraft will have much greater effect on reducing CO2 emissions and energy consumption than in a motor vehicle. This is because the rate of CO2 emissions produced by burning jet fuel is 18% greater than burning fuel oil in a motor vehicle. Thus, with reference to the calculation related to the Chevalier Multi-drive, the CO2 emission resulting from burning jet fuel is 5.6 trillion litres with respect to the reduction in weight offered by the Chevalier technology of 16.2 kg.

However, it is only when taking into account the number of electric seats in an average size commercial aircraft (putting aside the myriads of other potential applications around an aircraft as in a motor vehicle) that the real magnitude of the ecological and fuel efficiency advantages of the CHEVALIER Multi Drive System can be realised.