Transportation Efficiency

How far can you travel on 1,000 Calories of energy?



93 miles



69 miles

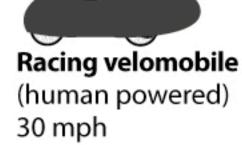
(human powered) 20 mph



62 miles



41 miles



40 miles



38 miles -

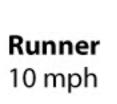


27 miles





12 miles





8 miles



1.2 miles



0.8 miles

Efficiency calculations assume vehicles travel at constant speed over flat terrain. Solar energy use is not accounted for in the efficiency calculation for the electric assist ELF.

Data adapted by Andrew Grieshop and Joe DeCarolis (NC State University) from Van De Walle, 2004, The Velomobile as a Vehicle for More Sustainable Transportation and http://exploratorium.edu/cycling/humanpower1.html