

Electric Vehicle Performance - Current Required Worksheet

version: Err:520

Vehicle: Err:520

Weight: Err:520 lbs

Tires:

Vehicle Speed (mph)	10	15	20	25	30	35	40	45
Total drag force, level (lbs)	Err:508	Err:508	Err:520	Err:520	Err:520	#VALUE!	Err:520	Err:520
Err:511	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Total drag force, 5% (lbs)	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
Err:511	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Total drag force, 10% (lbs)	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Err:511	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Total drag force, 15% (lbs)	Err:508	Err:508	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
Err:511	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Total drag force, 20% (lbs)	Err:508	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
Err:511	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Total drag force, 25% (lbs)	Err:508	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
Err:511	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508

based on equations and data in "Build Your Own Electric Vehicle" by Bob Brant, Tab Books, 1994
courtesy of Doug Wilson (send comments, corrections and improvements to wilson@bwco.com)

#VALUE!

50	55	60	65	70	75	80	85
Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?	#NAME?
Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
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Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
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Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508
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Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508	Err:508