



New Model Design Specification Sheet 14A-678

Engine Force/Mass/Acceleration Options

Initial Approximations- Use the relationship $F = 26.8m/t$ to find the missing values:

<i>F</i> Force (newtons)	<i>m</i> Mass (kilograms)	<i>t</i> 0 - 60 mph time (sec)
10^4	3.5×10^3	_____
_____	3.5×10^3	9.0
10^4	_____	8.0
_____	3.0×10^3	7.0
7.5×10^3	_____	7.0
_____	_____	6.0