• Time/thrust curves are representative of random production samples.
• Graphs are not drawn to the same scale.

TIME/THRUST CURVES

Max. Thrust
Average Thrust = Total Impulse / Duration
Propellant Burnout
Delay Period - No Measurable Thrust

Ejection Charge Activates

EJECTION
LIFTOFF!
COAST PHASE
THRUST PHASE

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1/4A3 Engine
(Mini)

1/2A3 Engine
(Mini)

A3 Engine
(Mini)

A10 Engine
(Mini)

1/2A6 Engine

A8 Engine

B4 Engine

B6 Engine

C6 Engine

C11 Engine

D11 Engine

D12 Engine

E9 Engine

Total Impulse

Duration=

Thrust in Newtons

Time in Seconds