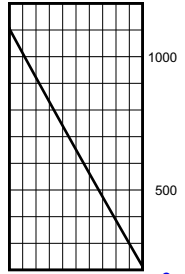


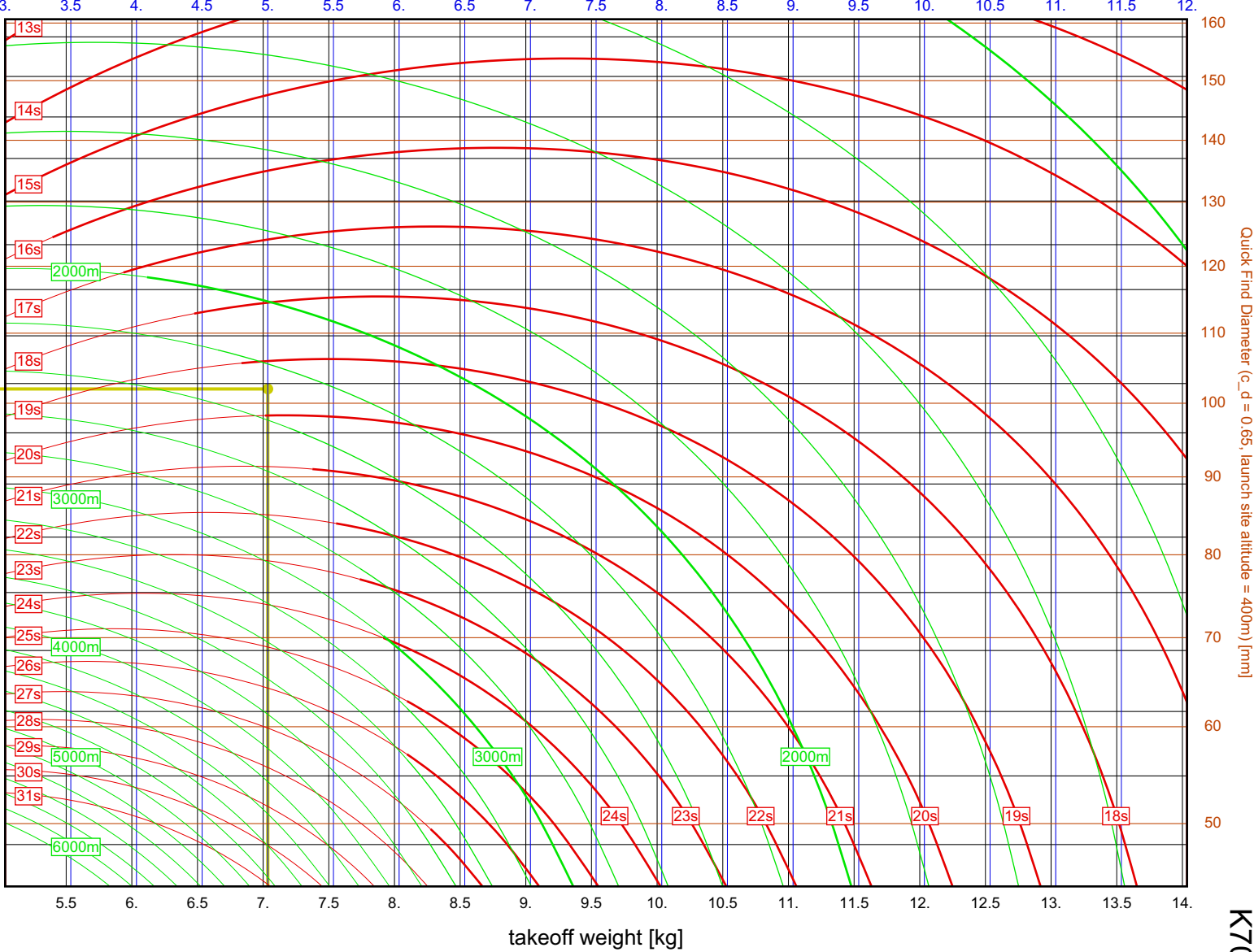
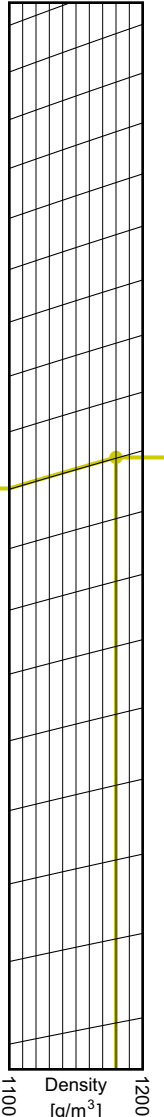
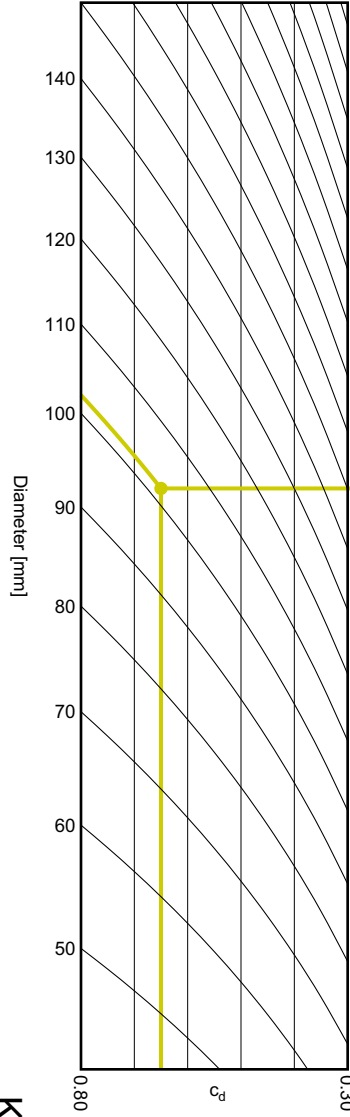
Aerotech
K700W

$I_{tot} = 2283.7 \text{ Ns}$
 $F_{avg} = 635.6 \text{ N}$
 $t_{burn} = 3.59 \text{ s}$
 $d = 54 \text{ mm}$



1. From rocket diameter scale move down along slanted line to vertical line matching drag coefficient.
 2. Move along horizontal to left border of density scale
 3. Move up slanted line to vertical line matching density at launch site
 4. From intersection point move horizontally to vertical line matching rocket mass
 5. Read off expected time to apogee from red curves, altitude from green curves
- Example:** diameter = 102mm, drag = 0.65, density = 1180 g/m³, weight = 7.035kg
Results: time to apogee: 19.5s, expected altitude: 2289m

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empty weight [kg]

takeoff weight [kg]

4", J-K ⁷

K700W

K700W