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Formula Handbook - Energy Engineering

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Power in mechanical systems is the combination of forces and movement. In particular, power is the product of a force on an object and the object's velocity, or the product of a torque on a shaft and the shaft's angular velocity. Mechanical power is also described as the time derivative of work.

Mechanical Power | Definition | Formula - Mechanical ...

Formulas Used: Aviation Gasoline weight per gallon(gw)=6.00Jet A weight per gallon(dw)=6.84Total Capacity (AvGas) Fuel Load Weight=(Fuel weight)* (gw)GPH=start fuel-end fuel NOTE:Be sure to take into consideration winds aloft, restricted zones, climb time and fuel for a margin of safety when calculating requirements.

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