

# 515 kw 700 hp crankshaft power acc to iso 8665 high

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### **515 kW 700 HP Crankshaft Power According to ISO 8665**

#### **What does "515 kW 700 HP crankshaft power according to ISO 8665" mean?**

This specification refers to the power output of an engine as measured at the crankshaft in accordance with the International Organization for Standardization (ISO) 8665 standard.

#### **What is the significance of ISO 8665?**

ISO 8665 is an internationally recognized standard that defines the method for measuring and expressing the power output of internal combustion engines. It ensures consistent and accurate measurements across different manufacturers and applications.

#### **What are the key parameters of ISO 8665?**

ISO 8665 specifies the following conditions for measuring crankshaft power:

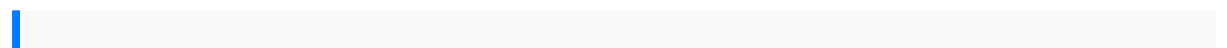
- Engine speed: Rated speed (typically 2,800 rpm for automotive engines)
- Air temperature: 25 degrees Celsius
- Barometric pressure: 100 kPa
- Fuel specifications (diesel or gasoline)

#### **How is crankshaft power different from other power measurements?**

Crankshaft power is measured at the output of the engine, where it is transmitted to the transmission and wheels. This is in contrast to brake horsepower (BHP), which is measured at the flywheel and does not account for losses in the transmission or other engine components.

### **Why is understanding crankshaft power important?**

Crankshaft power is a critical parameter for evaluating engine performance and selecting the appropriate engine for an application. It provides an accurate representation of the engine's capabilities and can be used to compare different engines or optimize engine design.



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