



START**STRONG**

RHEINMETALL MSU-GP 200T

AN AIR START UNIT BUILT WITH INTEGRATED GROUND POWER – THE ONLY ONE OF ITS KIND.

TAKING RESPONSIBILITY IN A CHANGING WORLD





When it comes to aircraft engine starting or ground operations, it is essential to have a reliable power source for our aircraft, especially in extreme conditions. When aircraft operate from remote locations, access to clean electrical and pneumatic power can be a challenge.

An Air Start Unit (ASU) that can operate anywhere at any time is the solution. Yet some ASUs are heavy and difficult to transport, and deploying them can take valuable time and extra space. That is where the Rheinmetall MSU-GP200T air start unit with integrated ground power sets itself apart.

Designed to prioritize reliability and versatility, the MSU-GP200T is a dependable solution for any takeoff.

As the only turbine-powered ASU, it is lighter to deploy and more compact than a diesel engine unit. Air transportable and proven across the globe, even in extreme weather environments, the MSU-GP200T delivers.

Integrated power means 2-for-1: it saves critical space with both a bleed air and electrical power supply in a single unit, while improving cost effectiveness.

The MSU-GP200T complies with EN IEC61000-6-2, EN IEC61000-6-4, DFS400, and MIL-STD-461F standards, and can be tailored to respond to users' specific needs. Currently in use by several Air Forces internationally, the MSU-GP200T is the air start unit of choice for all military aircraft, including fighter aircraft.

SYSTEM HIGHLIGHTS

- **Free choice of fuel:** Runs on your choice of fuel. Use jet fuel, diesel, or any mix of the two.
 - ↳ Fuel up flexibly, anywhere, anytime.
 - ↳ Runs on Sustainable Aviation Fuel.
- **Adaptable design:** Developed to meet user's specific requirements.
 - ↳ Mobilize a solution customized to your needs.
- **Proven cutting-edge technology:** Driven by high-performance Pratt & Whitney turbine engines, Rheinmetall MSU is a mark of quality since 1996.
 - ↳ Command solid engine starting performance.
- **Compact size:** Built with a small footprint on the apron and in storage.
 - ↳ Deploy with easy handling and operations.
- **Dual bleed air functionality:** Bleed air can be used for both the main engine start and environmental control system; the changeover takes place automatically.
 - ↳ Benefit from flexibility.
- **Demonstrated efficiency in any climatic condition:** Developed to handle ambient temperatures of -32°C to $+52^{\circ}\text{C}$ (-25.6°F to $+125.6^{\circ}\text{F}$).
 - ↳ Experience outstanding reliability, 24/7, 365 days a year.

The Rheinmetall MSU-GP 200T is a workhorse: robust and reliable enough to handle the most demanding operating conditions. It is also lightweight and has a minimal footprint to maximise space in busy areas.



TECHNICAL DATA

Dimensions/weight

L x W x H 4.33 x 1.62 x 2.33 m (170.4 x 63.4 x 91.7 inch)

Weight excluding fuel 2,100 kg (4630 lbs)

Pneumatic

Volume bleed air 204 ppm (1.54 kg/s)

Pressure bleed air 56 psia (3.86 bar)

Electric

AC 115 V/200V, 400Hz, 90 kVA

Dual operation

Possible

Environmental data

Operation -32°C up to + 52°C (-25.6°F up to 125.6°F)

Sea level up to 6500 ft

Fuels

JET-A, Jet-A1, Jet-B, JP 4, JP 5, JP 8, F-34, F-35, F-37, F-40, F-44, F-54, AVTUR, AVTUR/FSII, Diesel DIN EN 590, DF1, DF2, mixes allowed

Runs on Sustainable Aviation Fuel

Options (costs may vary)

Custom coupler handle if required for specific aircraft

Hose length

Galvanized trailer (powder coating optional)

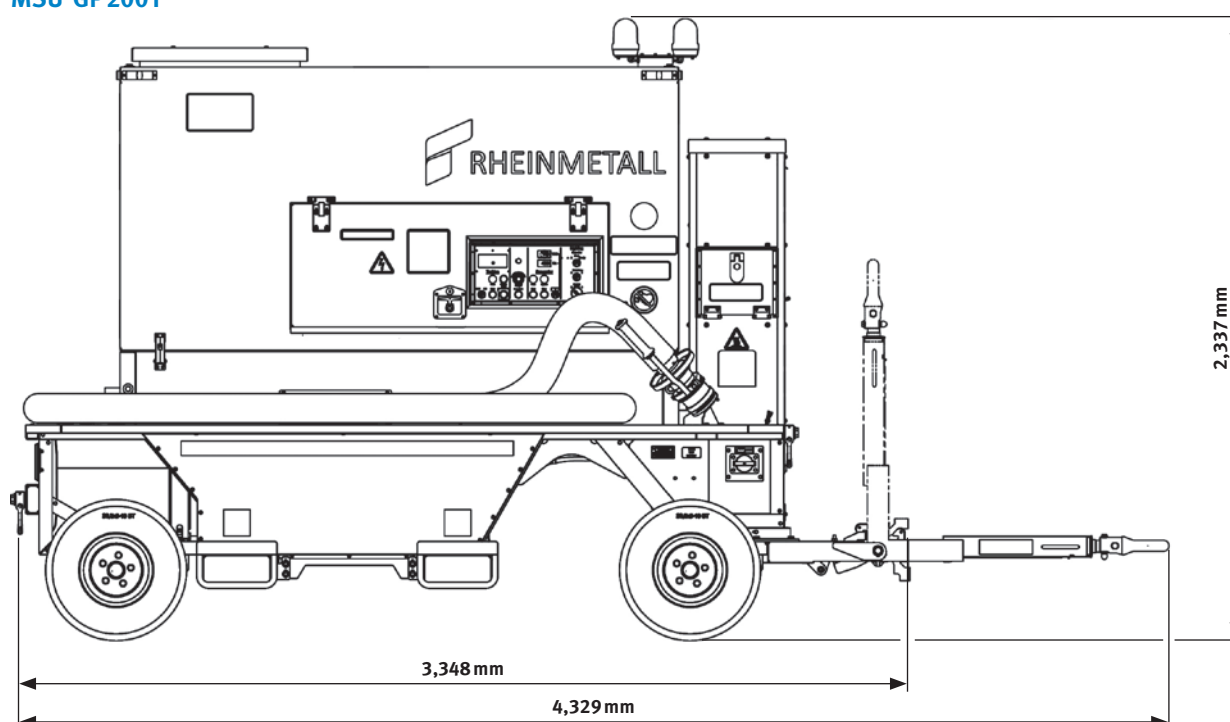
Jumpstart socket

Pull eye available in different diameters

MSU-GP 200T unit available in any colour

All data subject to change without notice.

MSU-GP 200T



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