

PU12 POWER UNIT

BEST
PERFORMANCE

MINIMUM
PU-**DIMENSIONS**

MAXIMUM
EFFICIENCY

2
CYLINDER

PU



POWER UNIT

400V, 28V*

FACTS

- 400V (AC), 32 kVA
- 28V (DC), 29 kW*
- Dimensions: 1200 x 800 x 904



FLEXIBLE. MODULAR. PERFECTLY CUSTOMIZED TO YOUR REQUIREMENTS.

The PU12 was developed for maximum efficiency and flexibility. Thanks to its modular design, it is stackable and can be transported in a space-saving manner. This compact design enables easy integration into a wide range of applications without compromising on performance and reliability. Designed for sustainability and comfort, it meets Stage IIIA emission standards and operates at a remarkably low noise level of less than 72 dB(A) at 7 meters—often even quieter depending on load.

THREE SEPARABLE MODULES

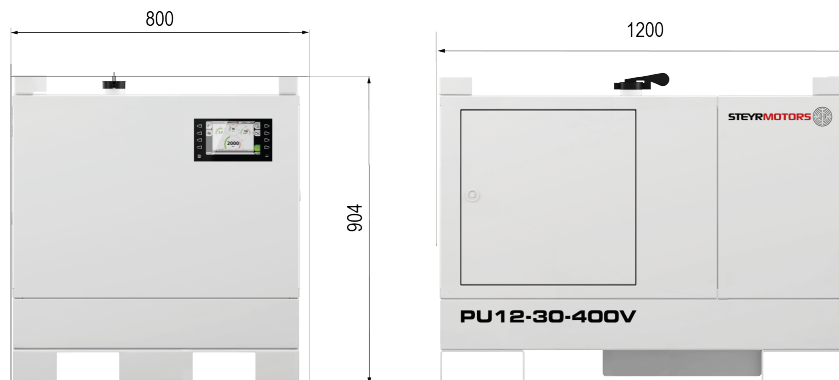
- **Cooling Unit** - Separable Cooling Unit for special demands
- **Engine Generator Unit** - Powerful drive with integrated power generation
- **Baseframe incl. tank** - Robust base with optimized fuel supply

MAIN FEATURES

- Easy handling: Movable with a forklift from all sides and with a pallet truck from the sides
- Modular baseframe: available with various fuel tank capacities
- Standard version: 60-liter tank for up to 8 hours of full-load operation

This modular design allows easy maintenance, quick adaptation to specific requirements, and efficient integration into existing systems. Maximum flexibility for every application!

* Future product variant will be developed on request.



Technical data

PU12-30-400V	
OPERATIONAL TEMPERATURE RANGE	from -32°C (-46°C with preheating kit) to +49°C**
MULTIFUEL CAPABLE	F-34 / F-35 / F-54 / F-63 / F-65 / JP-8 / JET A1 / EN 590
RATED POWER (KVA)	32 (0,8p.f.)
RATED VOLTAGE	400V AC
FREQUENCY (HZ)	50 (60)***
RUNNING TIME (H)	8
ELECTRICAL POWER CONNECTION	CEE 63A plug, (CEE 16A, 3P, 400V, 5P, 6H)***
CONTROL DISPLAY	engine and generator monitoring preheating / start / stop
ELECTRICAL PROTECTION	circuit breaker
SAFETY FEATURES	emergency stop / engine overload monitoring / generator temperature protection / battle switch***
DRY WEIGHT (KG)	600

PU12-30-28V*	
OPERATIONAL TEMPERATURE RANGE	from -32°C (-46°C with preheating kit) to +49°C**
MULTIFUEL CAPABLE	F-34 / F-35 / F-54 / F-63 / F-65 / JP-8 / JET A1 / EN 590
RATED VOLTAGE	28V DC
RUNNING TIME (H)	8
ELECTRICAL POWER CONNECTION	VG96917 2 pol, 4 single pole connectors
CONTROL DISPLAY	engine and generator monitoring preheating / start / stop
ELECTRICAL PROTECTION	circuit breaker
SAFETY FEATURES	emergency stop / engine overload monitoring / generator temperature protection / battle switch***
DRY WEIGHT (KG)	520

* Future product variant will be developed on request.

** Preheating kit enables coldstart temperatures of -46°C.

*** Optional variant on request.

EXTREME ENVIRONMENTAL CONDITIONS? NO PROBLEM.

Whether blistering heat up to +49°C or icy cold down to -46°C (with preheating kit)*, the power unit of the PU12 is designed for use in extreme environments. Thanks to sophisticated temperature management technologies, performance remains reliable at all times. From hot desert use (A1 hot environment) to demanding cold starts in arctic regions (C2 cold start), the PU12 delivers top performance where others reach their limits.

PREHEATING FOR ALL OPERATING FLUIDS INCLUDED*

The PU12 is optionally available with integrated preheating. This enables start and operation of the PU down to -46°C and ensures reduced wear and fuel consumption.

OPTIMUM COOLING FOR MAXIMUM EFFICIENCY

In order to minimize the temperature load on the components in the engine compartment, the cooling air is routed within the cooling unit and without any temperature effect on the engine generator unit.

This minimizes the thermal load on components in the engine compartment, which leads to outstanding reliability. In combination with the preheating technology, this system ensures optimum operating conditions - regardless of external temperatures.

EMC REQUIREMENTS

Our PU12 ensures efficient, reliable, and interference-free operation. Designed to meet stringent EMC requirements, it offers minimal electromagnetic interference, sustainable energy generation, and long-term durability under tough conditions. Additionally, it is simple to install and integrates easily with existing systems.

Choose our PU12 for cutting-edge technology that meets your EMC needs.

