

DYNAWATT SYSTEM BENEFITS

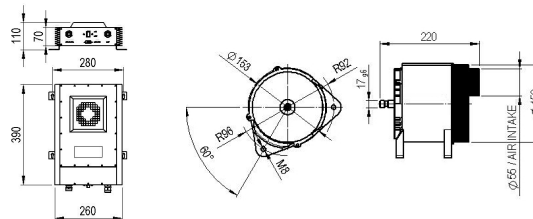
- powerful 5kVA
- frequency is independent of the engine speed
- ready to use
- compact dimensions
- low installation weight max 25 kg
- reliable
- simple operation
- electrically isolated structure
- meets DIN 14687 standard for fixed generators

DYNAWATT 4000 TECHNICAL DATA

Output Voltage	230V +/-5%, single phase
Output Frequency	50 Hz +/-0,5%
Output Waveform	sine wave
Output Power	4000 VA intermittent @ 4300rpm 3500 VA continuous
Current	16A continuous
Excitation	intern, self regulating
Generator speed	14'000 rpm continuous 16'000 rpm intermittent
Weight control unit	9 kg
Weight Generator	7 kg
Protection circuits	over voltage, overload, over temperature, short circuit

SCOPE OF SUPPLY DIMENSION

Control unit, generator, 7m connecting cable, remote control

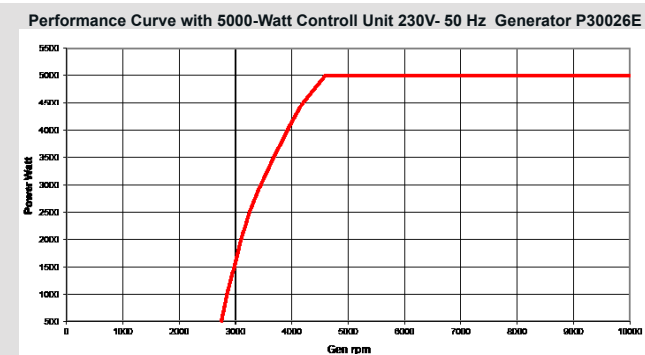
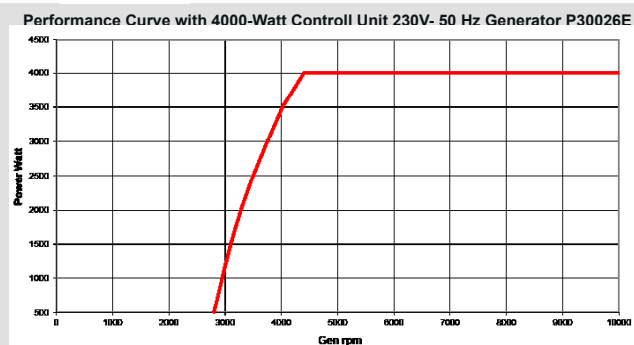
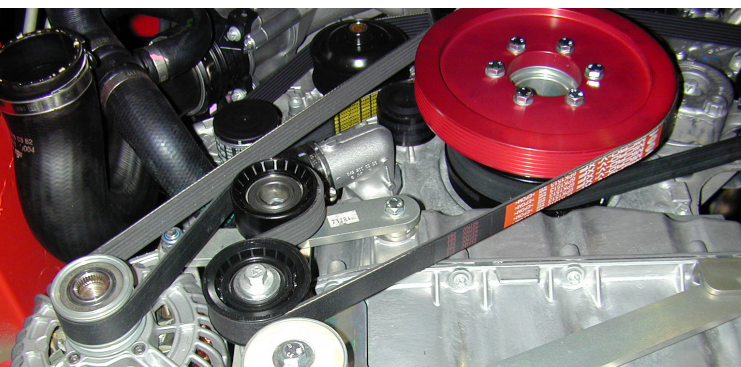
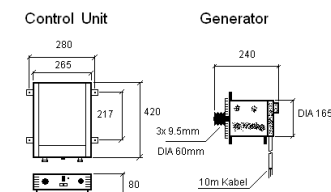


DYNAWATT 5000 TECHNICAL DATA

Output Voltage	230V +/-5%, single phase
Output Frequency	50 Hz +/-0,5%
Output Waveform	sine wave
Output Power	5000 VA intermittent @ 4600rpm 4500 VA continuous
Current	20A continuous
Excitation	intern, self regulating
Generator speed	14'000rpm continuous 16'000 rpm intermittent
Weight control unit	9 kg
Weight Generator	7 kg
Protection circuits	over voltage, overload, over temperature, short circuit

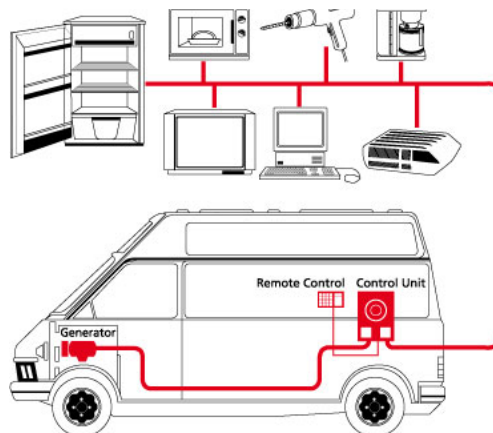
SCOPE OF SUPPLY DIMENSION

Control unit, generator, 7m connecting cable - remote control



INSTALLATION DESCRIPTION

The DYNAWATT POWER SYSTEM can be installed on many engines with a matching installation kit. To ensure a proper installation and safe operation the installation must be accomplished by authorized personnel.



DYNAWATT[®]

230V POWER SYSTEM

INSTALLATION EXAMPLES



Dynawatt 5kVA installed in Mercedes Sprinter 515CDI



Dynawatt 4kVA installed in Renault 160XL



Dynawatt 4kVA mounted on a ALLISON 3000er Transmission with PTO installation kit



Dynawatt 4kVA installed in IVECO Turbo Daily



Example of an installation-kit

FUNCTION

The DYNAWATT 230V POWER SYSTEM consists of a belt-driven 250V three-phase generator and an electronic control unit. This unit transforms the 3-phase generator current into 230V, 50 Hz sine wave alternating current with a maximum output of 4000 or 5000 W. The system does not require additional connection to the 12V vehicle battery. It is selfenergizing and totally independent of the vehicle network. The voltage and frequency remain stable, regardless of the generator speed.

DYNAWATT USERS



Fire brigade and police vehicles

Lighting, power tools, rescue tools, instruments and computers are operational faster - right where they are needed



Special and service vehicles

Compact and dependable power source for power tools, lighting, air compressors, pumps and even welding appliances - in brief, for everything needed on site.



Communication vehicles

For radio, television and telecommunication, DYNAWATT supplies the high quality alternating current needed for recording and transmission appliances.



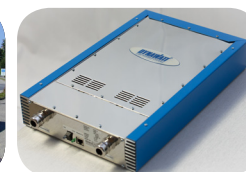
Mobile homes and boats

Air-conditioning, microwave, coffee machine, hair-drier, radar, pumps, desalinations system - everything needed for comfort on board. Can be operated while travelling.



Transportation

Transportation of special goods requires temperature control. DYNAWATT supplies the power needed on the road to cool or the cargo compartment.



Main engine driven Power system
for fire, rescue and police vehicles

DYNAWATT Power System • by STERKI AG
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