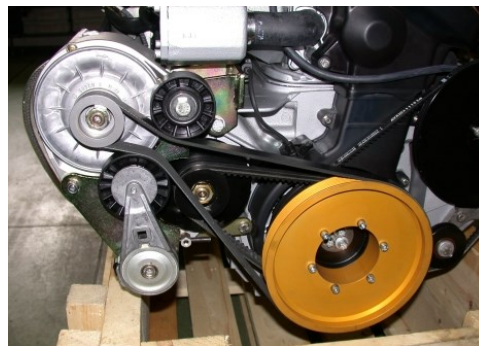


Dynawatt AC Power System

230V/110VAC ENGINE/PTO DRIVEN INVERTER SYSTEM



KEY FEATURES

- Powerful 5kW on-board mains
- Frequency independent of engine RPM
- Compact and lightweight
- Maintenance free
- High quality Sine wave output
- High reliability
- Safe, galvanic separated output
- Easy to install and use
- Installation kits available

Dynawatt is suitable for applications where power requirement is too large for standard DC alternators and too small for an auxiliary diesel genset.

The generator is sized to fit the existing alternator or air-con position if available. Alternatively it is driven from a gearbox PTO or crankshaft pulley. It is fully independent of the vehicle DC electrical system.

The efficiency and small size is achieved by generating at high voltages and converting this to either 230VAC or 110VAC at 50Hz or 60Hz in an external control unit.

The conversion/control unit is located in a convenient accessible place elsewhere on the vehicle

Pulleys and brackets and complete fitting kits are available from us for a wide range of popular commercial vehicles

Please call our engineering team to discuss your application in more detail.

Dynawatt is an innovative and widely used power system for producing precise AC power directly from your vehicle engine or gearbox whilst on the move.

The system generates a powerful 5kW quality "mains" AC sine wave permitting operation of the most sensitive on-board electrical equipment.

The system is very light and compact and completely independent of the vehicle system and unlike auxiliary gensets requires virtually no maintenance.

These rugged field proven system were developed by our partner company Dynawatt AG in Switzerland who are acknowledged specialists in vehicle AC power generation.

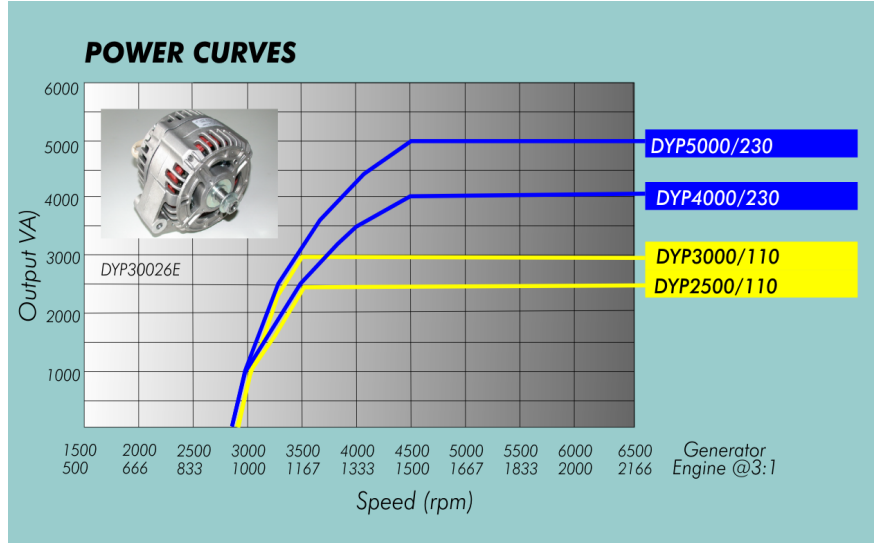
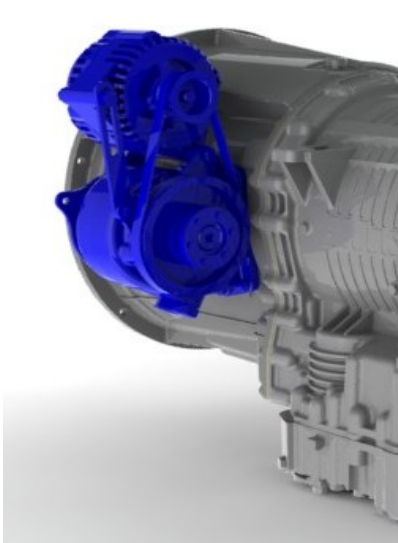
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ANTARES
engineering with answers

Dynawatt AC Power System

230V/110VAC ENGINE/PTO DRIVEN INVERTER SYSTEM



Allison 3000 and 4000 PTO can fitted with Dynawatt

System name/power/voltage	DYNAWATT 4000/230	DYNAWATT 2500/110	DYNAWATT 5000/230	DYNAWATT 3000/110
Nominal Voltage	230 VAC	110 VAC	230 VAC	110 VAC
Part Number Control Unit	DYP32310	DYP31205	DYP52305	DYP51206
Part Number Generator	DYP30016A	DYP30016A	DYP30026C	DYP30026C
Output VA (Continuous)	4000 VA	2500 VA	5000 VA	3000 VA
Output Current (Continuous)	18A	21A	22A	25A
Full power rpm (generator)	@4500rpm	@4500rpm	@4500rpm	@4500rpm
Maximum generator speed r.p.m	15,000 continuous (18,000 max)			
Output waveform	Pure Sine wave: 230V +/-5% or 120V +/-5%, single phase , 50Hz +/-0.5%			
Protection	Over voltage/ overload / Over temperature, short circuit			
Control Unit Dims	280 x 390 x 110 (H) mm		280 x 420 x 80 (H) mm	
Control Unit Weight (Kg)	7.8kg		9.0kg	
Generator Dimensions & Weight	185mm long x 156mm diameter (Type E engine Fitting) Weight 8KG (DYP30016E)			
Generators /Power Cables	DYP30026E	Generator IP14 Type A 4000W@4500rpm + 10m cable		
	DYP30017-XX	Power Cable Shielded 5x2.5mm (5m or 10m)		
	DYP30016A –10	Generator IP34 Type A 4000W@6000rpm + 10m cable		
	DYP30026A	Generator IP34 Type A 5000W@6000rpm + 6 m cable		
	DYP30026C	Generator IP34 Type C 5000W@6000rpm + 10m cable		
	DYP30016E	Generator IP34 Type E 4000W@6000rpm + 6m cable		
Remote Control	DYP30115 – XX	Control Cable RJ45 Panel (Lengths 3m, 5m ,10m, 15m)		
	DYP30115	Remote Control Panel RJ45—International Symbols		
	DYP30113-00	Frame for panel dashboard mount		