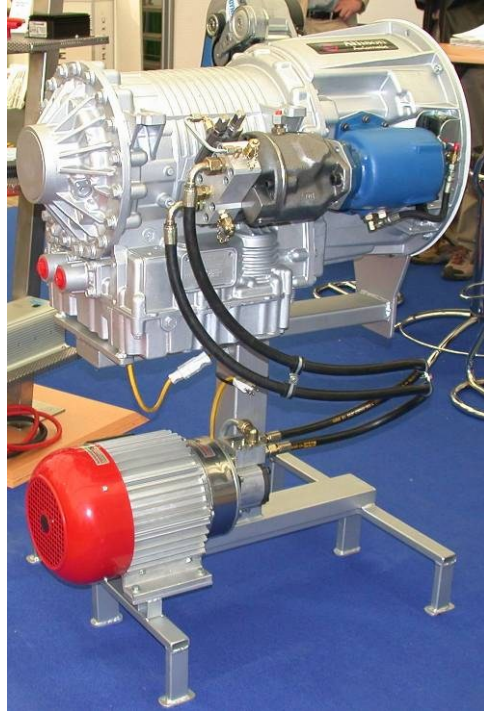


Dynagen PTO Power System

110V/ 230V/400VAC ALLISON GEARBOX DRIVEN GENERATOR



FIRE



DEFENCE



TECHNICAL



PASSENGER



SERVICE



FM 37786
ISO 9001:2008

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ANTARES
engineering with answers

KEY FEATURES

- High power range 6.6—15kva
- 230v/110v/400v @ 50hz
- Frequency independent of engine speed
- Lightweight and compact
- Remote mounting
- No belts, low maintenance
- High quality sine wave ac
- No external oil system
- Constant drive pto
- High reliability
- Safe galvanic separation
- Easy to install and use
- IP54 generator

The Dynagen is unique in that it works across a wide range of engine/gearbox speeds. This is useful in applications where there is another pump or compressor which requires the engine speed to be raised or where the engine speed varies due to load. It can also be used whilst driving.

The system and its installation is massively simplified by the elimination of the usual separate oil tank—instead it draws its fluid from the Allison gearbox. The hydraulic generator is very compact and the hydraulic couplings make positioning very flexible. As the system eliminates the use of belts it is virtually maintenance free.

Where large AC power is required from a slow moving or stationary vehicle Dynagen provides the solution.

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

The Dynagen PTO Power System is an exciting new development that provides power on stationary or slow moving vehicles directly from the original engine via Allison gearbox PTO.

The system makes use of the Allison gearbox oil, dispensing with the need for separate oil tanks, yet is remotely mounted, maximising flexibility.

The voltage and speed are accurately and independently controlled over a wide engine speed range, anywhere between tickover to high idle, ensuring constant quality AC output.

Power levels between 6.6kVA and 15kVA are available in a very compact, lightweight package.

The system is light and compact, independent of the vehicle system and requires practically no maintenance.

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



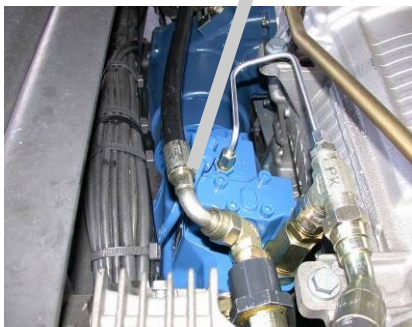
Dynagen PTO Power System

110V/ 230V/400VAC ALLISON GEARBOX DRIVEN GENERATOR



Variable speed generator

- hydraulically driven
- IP 54
- 230/400VAC 50 Hz
- chassis mounted
- light weight



The patented Dynagen oil system uses oil directly from the ALLISON Transmission - no need for a separate oil tank.

PTO with hydraulic pump

- direct mount
- constant drive PTO
- variable displacement pump
- engine operating speed 800 -1800 rpm



No requirement for additional oil system

SPECIFICATIONS	Single Phase			Three Phase		
	DYNAGEN 6600/230	DYNAGEN 6600/110	DYNAGEN 6600/230	DYNAGEN 6600/3PH	DYNAGEN 12000/3PH	DYNAGEN 15000/3PH
System name/ power/voltage	DYNAGEN 6600/230	DYNAGEN 6600/110	DYNAGEN 6600/230	DYNAGEN 6600/3PH	DYNAGEN 12000/3PH	DYNAGEN 15000/3PH
Nominal voltage	230VAC	110VAC	230VAC	230V/ 400VAC	230V/ 400VAC	230V/ 400VAC
Part number system	DYG1011	DYG1021	DYG1017	DYG1012	DYG1020	DYG1019
Phases	1	1	1	3	3	3
Output (continuous)	6.6kVA	6.6kVA	6.6kVA	6,6kVA	12.1kVA	15.2kVA
Output current	28.7A	60.0A	28.7A	9.5A/phase	17.4A/phase	22A/phase
Hydraulic flow	33 l/min	28 l/min	28 l/min	33 l/min	29 l/min	46 l/min
Hydraulic Pressure	180bar	180bar	180bar	180bar	280bar	290bar
Motor type	Gear	Piston	Piston	Gear	Piston	Piston
Engine speed	800 –1800 rpm.					
Output waveform	Sine wave: 50Hz +/- 5% automatic frequency control					
Gearbox	Allison 3000 and 4000 Series (MD and HD)					
Weight approx (Kg)	90kg	90kg	90kg	90kg	115kg	140kg
Features	IP54					