

HYDRAULIC GENERATORS

What Is The Harrison Discrete Series Generators?

The Discrete Series hydraulic generators are engineered to integrate with existing on-board hydraulic systems, providing an option for simple, reliable, mobile AC power. Each model is designed with a combination of hydraulic motor, coupler, alternator, and flow control system, that will operate with the flow and pressure of your existing on-board hydraulic system.

Traditional portable generators offer too little power and take up too much space. The Discrete series generators provide a reliable output, while offering the flexibility to be mounted in multiple orientations and locations.

Using hydraulic motors, instead of the traditional gas engine, provide a power source that operate at 98% efficiency; providing the highest return for your investment. The Discrete series hydraulic generators can also eliminate a "Secondary" gas engine generator, and provides an option for simple, reliable, mobile AC power.

Design Benefits Of The Discrete Series Generators

- Ratings: 3 kW to 40 kW
- Manifold: Attached or remote
- Motors: Bent Axis Piston motor or gear motor
- Alternator: PLUS-POWERED

Off-The-Shelf Or Fully Customized

You can choose a Harrison hydraulic generator rating of 3 kW up to 40 kW from our pre-engineered product line; or we can completely customize a hydraulic generator to meet your specifications. Engineers are available to assist in your design.



PMG Series
3.0/3.5/4.0/5.0 kW



DSV Series
3.6/4.8/6.0 kW



DAS Series
6/8/10/12/14 kW



DPC Series
10/15/20/25/30/40 kW

Discrete Series 60 Hz

PMG

- Alternator speed: 3,600 rpm (2-pole)
- Hydraulic flow required: 5, 8, or 11 gpm
- Alternator size: Very Small
- Motors used: Gear Motor

DSV

- Alternator speed: 3,600 rpm (2-pole)
- Hydraulic flow required: 10 gpm
- Alternator size: Small
- Motors used: Bent Axis Piston

DAS

- Alternator speed: 3,600 rpm (2-pole)
- Hydraulic flow required: 10 or 12 gpm
- Alternator size: Medium
- Motors used: Bent Axis Piston

DPC

- Alternator speed: 1,800 rpm (4-pole)
- Hydraulic flow required: 10-30 gpm
- Alternator size: Large
- Motors used: Bent Axis Piston

MODEL	PMG	DSV	DAS	DPC	TEFC
3.0 kW	●				
3.5 kW	●				
3.6 kW		●			
4.0 kW	●				
4.8 kW		●			
5.0 kW	●				
6.0 kW		●	●		
8.0 kW			●		
10.0 kW			●	●	●
12.0 kW			●		
14.0 kW			●		
15.0 kW				●	●
20.0 kW				●	●
25.0 kW				●	●
30.0 kW				●	●
40.0 kW				●	●

HYDRAULIC SYSTEM REQUIREMENTS

- Use a premium grade hydraulic oil, such as Mobile DTE series oil or an equivalent.
- Optimum operating viscosity is ISO 46 for best performance in all conditions

GENERATOR OPTIONS

- Available in 60 Hz or 50 Hz.
- Available in 1-phase and 3-phase.
- Available in all voltages
- Custom ratings are available.
- EVERY Harrison generator is fully tested.

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