

# HOW TO MITIGATE LOW LOAD CONDITIONS

Generac's Alternate Loading Device (ALD) provides a simple solution for Isuzu powered gensets. The ALD system mitigates low load and wet stack conditions by increasing engine load. The optional ALD senses light loading and adds 10kW of load as needed to reduce the risk of wet stacking. The ALD senses and switches automatically on demand for both engagement and disengagement.

## BENEFITS OF THE ALD

Optimal Engine Performance

Increased Engine Life

Improved Exhaust After-treatment

Ideal for Rental Applications

ALD is available for the following Isuzu FT4 powered Generac Mobile Generators:

- **Factory installed:** *NEW* MDG25-STD3, MMG45 – *Option at time of order*
- **Field installed:** *NEW* MDG25-STD3, MMG45, MMG25 – *Supplied as a kit*



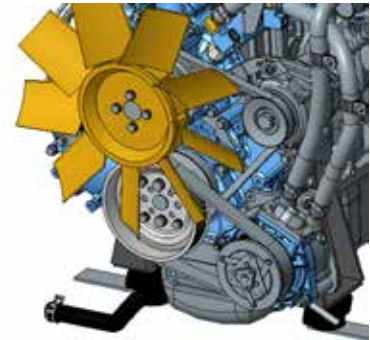
The ALD is assembled on the engine as a front end accessory drive component.

It is plumbed into the engine coolant circuit in order to pull cold coolant from the engine and return the coolant with an elevated temperature to increase overall engine temperature.



The electric clutch is activated via the generator controller and the embedded software.

The generator controller is constantly monitoring engine load during normal operation to determine when additional loading is required to maintain optimal engine operating temperatures.



When sudden transient response is required from external loads (i.e. pumps, motors or other electrical devices) the generator controller quickly deactivates the electric clutch in order to allow generator to provide 100% of generator output power to connected electrical devices.

Contact Generac Mobile for your back-up power needs.

[GeneracMobileProducts.com](http://GeneracMobileProducts.com)  
800-926-9768 | +1 920-361-4442

©2019 Generac Power Systems. All rights reserved.  
201902160 05/20 Specifications are subject to change without notice.

**GENERAC**<sup>®</sup>  
**MOBILE**