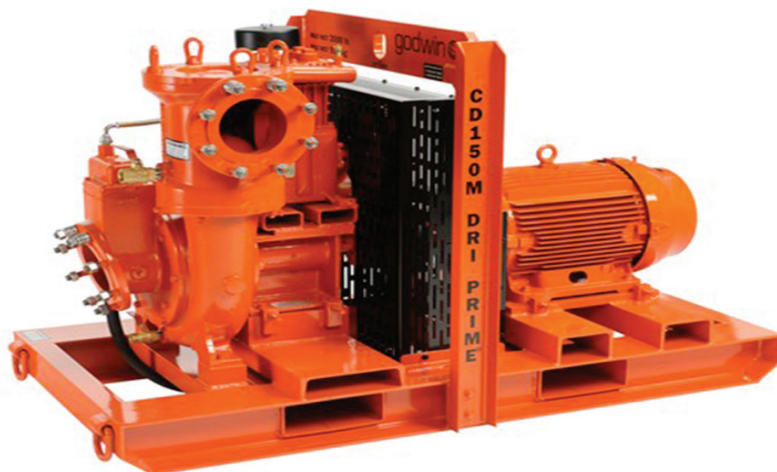




The Pacific Pipeline

May 2023 Newsletter

Diesel vs Electric Pumps Who is the winner?



In our rental fleet we have an assortment of capacities in both diesel and electric powered pumps. Which one is better?

Which is louder? Electric Dri-Prime pumps on average run at about 71 dB @ 28ft and Critically Silenced diesel Dri-Prime pumps run at 68 dB @ 28ft. So, the enclosed diesels are quieter. Win for Diesel!

Which costs more to operate? Electric is easy, operational cost at the current power rate for small power business use is 53 cents per kWh in Hawaii with minimal maintenance. For direct comparison, I need to do some math. 1 kWh is 3,412 BTU. Diesel has 137,381 BTU of energy per gallon. That means we have 40.3 kWh in a gallon of diesel at 100% efficiency. Assuming our diesel engine is 34% efficient means a gallon of diesel has 13.7 useful kWh. With current Hawaii diesel cost of \$5.98/gallon, it works out to 43 cents per kWh. That puts the price per kWh lower for the diesel! That said, diesel pumps still need oil changes, worn parts replaced, and general maintenance, which is not factored in and tough to turn into a per kWh number. With all that said, unless you can get power included in the project with the high cost of electricity here, Diesel for the win!

If you need assistance with emergency pumping, HDPE or PVC pipe fusion, dewatering, generators, compressed air, dredging, pumps, pipe plugs, service or operations, please call us at 808-672-8198 or email us at Sales@hawaiiipumps.com.



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PACIFIC PUMP & POWER



Dri-Prime Pumps for Sewer Bypassing & Dewatering



Portable & Industrial Air Compressors



Portable & Standby Generators



Electric Dri-Prime & Submersible Pumps



Hydraulic Power Packs & Submersible Pumps



High Head Pumps for Temp Fire and Cleaning



QD Piping, HDPE Piping, Hoses, & Fittings



Pipe plugs, Vacuum, Joint & Mandrel Testers



Flanged Road Crossings in a Range of Sizes



Diesel, Electric & Battery Powered Light Towers



HDPE Fusion Equipment and Training



Dredging Equipment

