



OUR MOST ENERGY EFFICIENT HPU

The **DIMO Eco Power Unit** was developed in response to the ferry market's demand for a more advanced HPU that could better address the current challenges posed by environmental concerns, economic factors, and energy consumption.

Today the DIMO EPU is in operation on multiple ferries, live fish carriers, trawlers and service vessels for fish farming.



Energy savings

Up to 90% less electric energy for motor and less/no cooling



Lower noise emissions

Up to 20 dB less noise less noise. (approx. 70 db vs 88-90 dB)



Lower total costs

Smaller pump, less valves, smaller reservoir, less or no cooling and increased component life.

Energy savings in all segments

Ferries

Up to **90%**



Live fish carriers

Up to **35%**



Service vessels

Up to **40%**



Trawlers

Up to **47%**



SYSTEM ADVANTAGES

EPU can be installed in existing systems without major rebuilding.

EPU supports: constant pressure, load sense, flow control applications, power regulation.

Power consumption regulation; high flow and low pressure or low flow and high pressure, makes it possible to use smaller motors.

Electronic load sense; less piping, faster response, pressure sensors can be placed on each valve on the system, or multiple valves can share one pressure sensor.

Self-regulating the pumps; running hour of the pumps are equal and never run more pumps than required.

Remote support; the EPU can be connected to the internet if assistance is needed for faultfinding or to adjust system parameters.

The EPU produces less heat in the oil than a conventional system which result in less power used by cooling pumps on the vessel.

Less components and moving parts than a HPU with piston pumps (less wear on components).

EPU in combination with HS Marine Cranes

Tight integration which makes it possible to monitor the EPU from the crane controller.

Faster response since EPU is connected with the crane's control system (PLC).

Significant power consumption reduction on crane use (reduced footprint).

