The IEA Polar Pod™

Need to put a CAT 4 MW, Cummins 3.5MW or MTU 4MW in a remote area? Make sure you put an IEA Polar Pod next to it.

Louvered panels are easily removed, providing access to both motors and fans.

The Modular Cooling Machine You Can Ship Anywhere

Polar Pods are fully equipped, self-contained cooling systems that can be easily and inexpensively shipped to any location using standard transportation methods. A true "plug and play" concept, they contain everything a remotely located power station needs to operate at full efficiency; including radiators designed and produced by IEA, the industry's leading supplier of customized industrial grade cooling units.

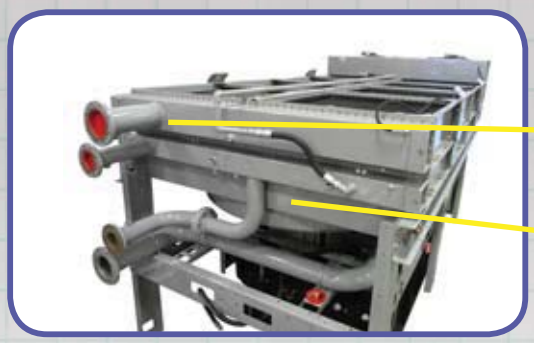
Polar Pod components are standardized IEA parts and materials, allowing fully functional units to be assembled and shipped quickly, while retaining the highest level of cooling performance.

Thermal Products, Inc. / Phone: (518) 877-0231 **/ Email:** sales@thermalproducts.com **/ Website:** www.thermalproducts.com

Polar Pods are designed to be used with all major engine brands and in extreme as well as normal environmental conditions.

A Polar Pod unit contains 16 individual 11.5 sq. ft high efficiency radiators...eight dedicated to the jacket water cycle, the other eight to the aftercooler.

An inside look at a Polar Pod as it's assembled at our Kenosha, WI factory.



The 11.5" deep radiator module cools the jacket water cycle.

The 8.5" deep module is dedicated to the aftercooler cycle.

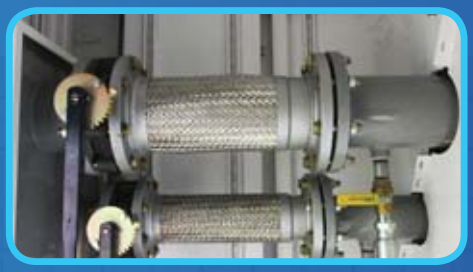
Two 72" diameter, 8-blade, high output fans are stationed beneath the radiator stack, pushing 148,000 CFM of air through the copper cooling fins when operating at full speed.

EASE OF MAINTENANCE

The harnesses holding the two 75 hp motors are equipped with fork lift pockets allowing their quick and easy removal with a standard fork truck.

With the motors removed, fans and belts can be comfortably accessed for servicing as needed.

On site hookup requires only the attachment of the jacket water and aftercooler engine lines to their respective ports at the back of the Polar Pod.



Piping coolant lines are protected with braided stainless steel, flex-connectors and butterfly shutoff valves.

POLAR POD

A state-of–the-art controls system provides complete command of the Polar Pod's operation.

Specialized VFD automatically matches the Pod's cooling output to the engine's demands, minimizing energy use and prolonging system life.

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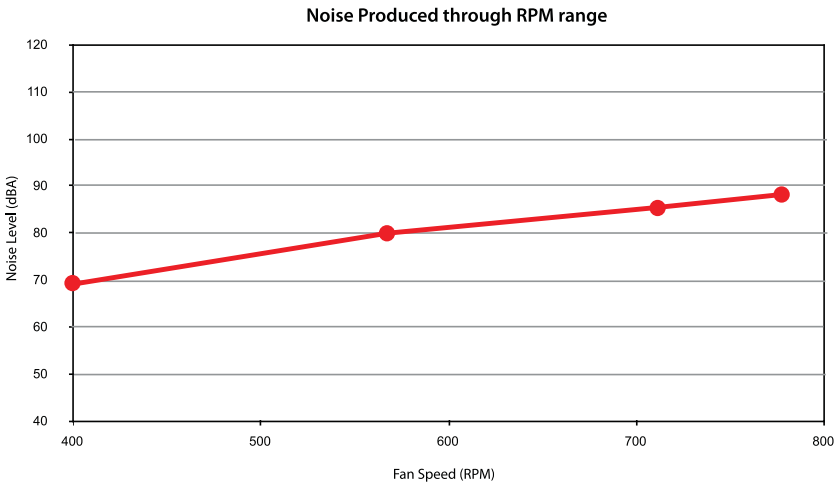
A completed Pod, ready to be moved inside its protective case. A Pod can be placed on a concrete pad, a gravel/stone base or even level bare ground.



RPM	DB Level
400	69
570	79.9
705	85.4
776	88.8

CATERPILLAR

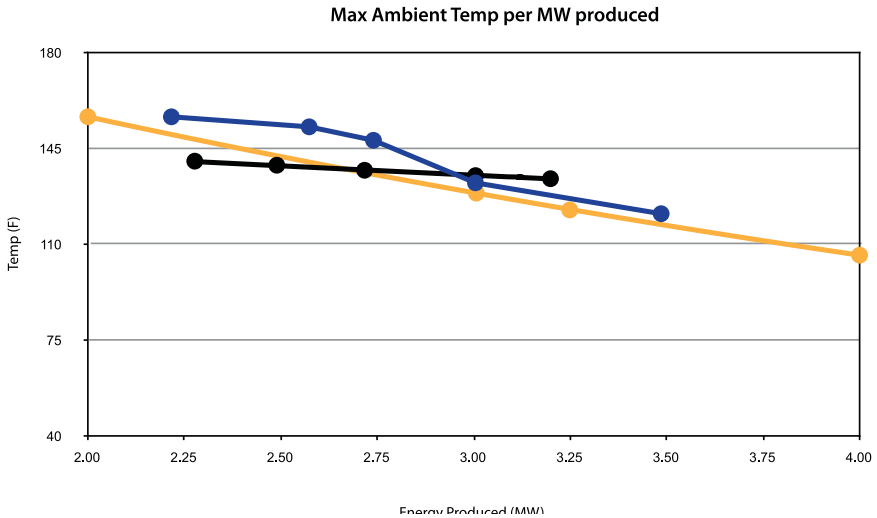
MWH	Max Ambient Temperature
2	153.3
3	134.8
3.25	123.5
4	103.8

CUMMINS

MWH	Max Ambient Temperature
2.3	141.9
2.5	139.8
2.7	139
3	137.8
3.2	135

MTU

MWH	Max Ambient Temperature
2.2	156.5
2.6	151.9
2.75	144.8
3	136
3.5	121



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