



Professional Power Products offers quality electrical power generation equipment for the entire power industry

ARCTIC ENCLOSURES

PPPI Enclosure with snow hoods



What constitutes an arctic enclosure? A little more insulation and some fuel, oil and battery heaters perhaps? Those are a good start but are only part of the consideration. *Professional Power Products* specializes in the engineering and construction of arctic packages.



In an environment of extremely cold temperatures there are many more considerations than a normal enclosure. Without the experience of over thirty engineers that understand this condition and design for it, delivering this type of product would simply be an experiment.

Just a few of these arctic considerations are:

- Airflow - Is it the same flow when cold as it is when hot?
- Airflow direction - Where does this airflow need to be directed?
- Combustion air - Is it part of the fan airflow?
- Engine driven fan or something else?
- What type and how much insulation?
- What vapor barriers work?
- What type of plenums?
- Is metal strength adequate?
- How do you heat coolant without creating thermo siphon?
- How do you prevent coolant thermo shock?
- Can the radiator be soldered bonded?
- What type of pad heaters work?
- What connections must be heat treated?
- What gasket material will withstand extreme cold?
- Same conductors as is normally used?

PPPI knows the correct answers to these questions

**New Facility Coming To
Reno, NV!**

PPPI has the facility, personnel and quality control for any power generation project

We can help you specify, design, build, test and deliver your project all under our control. We have the experience to do it right.

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