



Arizona Vortex Tube Manufacturing Co.

51235 N. 296th Ave.
Wickenburg, AZ 85390
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928-684-5752 (F)

Arizona Vortex CNC Cooler operating costs:

Arizona Vortex CNC Cooler
Part # 20325 1500 BUTH

Freon Air Conditioner
1500 BTUH

\$ 425.00 20 year life
\$ 21.25 / YR.

Unit Cost

\$ 1800.00 5 year life
\$ 360.00 / YR.

\$ 50.00 / Hour
\$2.50 / YR

Installation

\$ 50.00 / Hour
\$ 10.00 / YR.

No Maintenance

Maintenance

4 hours per year for
Charging freon, cleaning
And replacing filters and leak
Checks.
\$ 200.00 / YR.

5 Hours / Day, 9 Months / YR.
Based on \$ 0.25 / 1000
Cubic feet of air
\$ 288.00 / YR.

Operation

* 7hrs / Day 9 MTHS / YR
\$ 72.00 / YR.

\$ 311.75/ YR.

TOTAL

\$ 642.00 / YR.

* Freon Air Conditioners must be de-regulated by 65% at 90 degree F and 95% at 115 degree F. In return, a freon charged air conditioner must operate at a longer period of time than the Arizona Vortex CNC Cooler to provide the same amount of cooling; during the warmer months of the year when the ambient temperature is high.

The Arizona Vortex CNC Cooler System (20325) thermostat is pre-set at 90 degree F (32C). This setting is within the recommended safe operating limits of most components and reduces condensation on the outside of the electrical cabinet. Temperature fluctuations create connector stress, while the excess heat dries the circuit boards. The result is a shortened life span of the controls being cut in half for every 20 degree F (10C) over normal operating temperatures of 100 degree F (38C).