



CANADIAN BLOWER/CANADA PUMPS LIMITED

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FAX # 873 2980 DATE June 20/90
TO: COMPANY/LOCATION Giant Yellowknife
ATTENTION Kent Morten FROM Ed Hawryluk
SUBJECT Vacuum Booster Roaster Exhaust Gas

We have been able to come up with
a fan construction that will satisfy
your rating of 11000 ACFM at 40" SP
at 400 °C

The fan is our 90-2 Type R
Blower Rated at 1780 RPM 106 BHP

Budget price of fan is \$ 50000

Motor Size will depend on how you
plan to start the system (Hot or Cold)

Bearings are water cooled Sleeve Bearings

Approx dimensions attached

The Motor (not included) will have to overcome
WK² of 5491 lb-ft². If you use
across the line starting you will need
a 350 HP motor To start the fan

Budget Price of a 350 HP TEFC
\$ 13000

Bearings are water cooled Sleeve Bearings

Approx dimensions attached

The Motor (not Included) will have to overcome WK^2 of 5491 lb-ft². If you use across the line starting you will need a 350 HP motor To start the fan

Budget Price of a 350 HP TEFC is \$13000

~~Using~~ You may be able to use a soft start coupling to avoid the starting problem

Another consideration is - How do you start the system Hot or Cold. If the system is started Cold 70°F the BHP will be 240. This can be controlled by dampening the system.

The problems can be solved but we need to have a better idea of how you will use this system to work out the details

Regards
Ed