HEAT LOSS CALCULATOR FOR TRAFFIC DOORS

Door Size (In Feet)	_____	Width ×	_____	Height =	Square Feet
Average Wind Speed	_____	Miles Per Hour	× 88	=	Feet Per Minute (FPM)
Door Size (In Square Feet)		×		FMP =	Cubic Feet Per Minute (CFPM)

Temperature Differential (TD)

Average Indoor Temperature		_____	
Average Outdoor Temperature	-	_____	
	=		°F (TD)

If Unsure, Consult National Weather Service

BTU LOSS FORMULA

CFPM ×	1.08* ×		TD =	BTU's Per Hour
BTU's Per Hour ×	_____	Hours Per Day Door is Open =		Daily BTU Loss

Conversion Tables

Natural Gas	_____	BTU's Per Day	- 100,000 =	Therms
Electricity	_____	BTU's Per Day	- 3,415 =	KWH
#2 Heating Oil	_____	BTU's Per Day	- 140.000 =	Gal Per Day
#4 Heating Oil	_____	BTU's Per Day	- 150,000 =	Gal Per Day
	Amount Used ×	_____	Cost Per Unit** = $	Cost Per Day Opening

* Based on an air temperature of 70°F and .075 pounds per cubic foot density. As the temperature drops, density increases and the constant will be higher than 1.08. For example, at 15°F, the value should be approximately 1.29.

** Available from your local utility department.

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