

SOLARONICS DOORJET SIZE AND OPERATING COST CALCULATIONS

SIZE CALCULATIONS:

Door Jet Rating (BTUH)	# of Heaters	Bay Door Area Covered (square feet)	Nominal Door Size
550,000	1	100	12' x 8'
650,000	1	118	12' x 10'
750,000	1	136	11' x 12'
850,000	1	155	12' x 12'
950,000	1	173	14' x 12'
550,000	2	200	16' x 12'
650,000	2	236	20' x 12'
750,000	2	272	18' x 14'
850,000	2	310	20' x 16'
950,000	2	346	20' x 18'

5500 BTUH of heating capacity is needed per square foot of door opening.

OPERATING COST CALCULATIONS:

Determine the cost to operate a door jet heater as follows:

Find the utility gas billing rate on your utility gas bill in \$/MCF or \$/therm.
(\$/MCF = dollars per thousand cubic feet of gas).
(\$/therm = dollars per thousand cubic feet of gas).

Use the formula: $C = (G \times H) / (1,000,000)$.

Where:

- C = Cost to operate heater per hour in \$/hr (dollars per hour).
- G = Natural gas cost from utility company in \$/MCF or \$/therm.
- H = Heater rating in BTUH (British thermal units per hour).

Example:

G = \$4.85/MCF, H = 750,000 BTUH, results in C = \$3.64/hour.