

THERMOMAX

SOLAR COLLECTORS

Edmonton AB

System Sizing Guide

Latitude:	53 Degrees
System Tilt	53 Degrees
Orientation	180 Degrees

	Mean daily Radiation *		Average Daily Thermomax Output ** BTU's and US Gallons heated by 60F					
	MJ/	BTU/	10 Tubes 1 square meter		20 Tube Collector 2 square meters		30 Tube Collector 3 square meters	
	sq.m	sq.m	BTU	Gallons	BTU	Gallons	BTU	Gallons
Jan	10.745	10,192	7,134	14	14,268	29	21,402	43
Feb	14.478	13,732	9,613	19	19,225	38	28,838	58
Mar	18.382	17,435	12,205	24	24,409	49	36,614	73
Apr	19.945	18,918	13,242	26	26,485	53	39,727	79
May	19.380	18,382	12,867	26	25,735	51	38,602	77
June	18.524	17,570	12,299	25	24,598	49	36,897	74
July	19.821	18,800	13,160	26	26,320	53	39,480	79
Aug	19.967	18,939	13,257	27	26,514	53	39,771	80
Sept	17.172	16,288	11,401	23	22,803	46	34,204	68
Oct	14.730	13,971	9,780	20	19,560	39	29,340	59
Nov	10.633	10,085	7,060	14	14,120	28	21,179	42
Dec	8.416	7,983	5,588	11	11,176	22	16,763	34
Annual Mean	16.021	15,196	10,637	21	21,274	43	31,911	64
Annual Totals BTU	5,547,089		3,882,962	7,766	7,765,924	15,532	11,648,887	23,298

Gallons Heated in 25 years 582,444

* Radiation figures from "Solar Radiation Data Analysis for Canada 1967-1976"

** Collector efficiency 70% of average daily radiation.

