ER Performance Ratings

Certified by CSA Standard A440-00

ACAN's Window System	Energy Rating (*/**)
150 HOMESTEAD CASEMENT FIXED	**-5 / -18**
195 ADVANTAGE CASEMENT FIXED	**-6 / -19**
250 HOMESTEAD CASEMENT VENTED	**-5 / -18**
295 ADVANTAGE CASEMENT VENTED	**-6 / -19**
325 HOMESTEAD SINGLE SIDE SLIDER LIFT	**-4 / -19**
395 ADVANTAGE SINGLE SIDE SLIDER	**-4 / -19**
450 HOMESTEAD SINGLE HUNG	**-3 / -18**
495 ADVANTAGE SINGLE HUNG	**-4 / -19**
550 HOMESTEAD DOUBLE HUNG	**-5 / -19**
650 HOMESTEAD AWNING	**-6 / -19**
695 ADVANTAGE AWNING	**-6 / -19**
750 HOMESTEAD PICTURE	**+5 / -12**
795 ADVANTAGE PICTURE	**-1 / -17**

* *The better ratings shown on the left are for windows with Warm Edge Super Spacer® Energy Advantage Low E and Argon Gas in the insulated sealed units*

** *The ratings shown on the right are for windows with Warm Edge Super Spacer® with clear glass and no argon gas in the insulated sealed units*

Energy Rating (ER) System

A window's Energy Rating is a measure of its overall performance, based on three factors:
1) solar heat gains; 2) heat loss through frames, spacer and glass; and 3) air leakage heat loss.

A number is established in watts per square metre, which is either positive or negative, depending on heat gain or loss during the heating season.

The ER system is based on a formula which calculates a single ER number for a specified window size in each of seven window categories (e.g., a 600 mm by 1220 mm/24 inch by 48 inch casement selected as representative of that window type). Because all window Energy Ratings (ER) are evaluated in the same way, this makes it easy to do comparison shopping between different manufacturers-although a consumer should be aware that the rating given will be for windows in the standard size, and not a particular window.

A negative ER means a window loses more energy than it gains, making the heating system work harder. The lower the number, the more heat is lost and the harder the heating system has to work in colder weather.

For example:

- **An ER of -38 is worse than an ER of -20.**
- **An ER number of -11 is a good minimum performance level for an operable, standard high-performance window.**

Source: **NRCanada** - Consumer's Guide