



Master-Bilt® initiated our Energy Saver program to help you quickly identify features that serve your efficiency needs. Below is a list of features and options included in the program.

See <https://master-bilt.com/customer-support/energy-savers/> for updates.



Product/Feature	Energy-Saving Function	Where Used
Meets Department of Energy Standards	Designed for optimum energy efficiency.	Refrigeration systems
Demand defrost	Initiates electric defrost heaters only as needed	As part of the LogiTemp® electronic controller system*
Electric expansion valve	Highly efficient valve eliminates need to maintain a high head pressure (head pressure control valve eliminated also) allowing a lower head pressure and condensing temperature. A compressor operating at a lower condensing temperature yields higher capacity with less energy input.	As an integrated part of the LogiTemp electronic controller system*
Reverse cycle defrost	A reverse cycle valve reverses the flow of high temperature refrigerant through evaporator coil, heating along its entire length and eliminating frost buildup. Results in up to an 80% decrease in defrost energy usage as well as a major reduction in defrost time.	As an option on the LogiTemp system offered for Split-Pak™ remote refrigeration systems
LED lighting	LEDs use less electricity than fluorescent lights with electromagnetic ballasts. LEDs also introduce less heat into the refrigerated space which reduces the workload on the refrigeration system's compressor. The less the compressor operates, the more energy is saved. LEDs also last up to 50,000 hours.	Standard in lighted cabinets and in all walk-ins
MBWA-1 digital alarm/light management system	Door open alarm prevents door from being left open. Optional light management system automatically turns off lights after a programmed interval.	An option on walk-in coolers and freezers
EC motors on fans	Amount of torque and current required to start ECMs is low, making them more efficient. ECMs run cooler, reducing heat load to refrigerated space which makes the compressor run less.	Standard on single phase walk-in evaporator coils
4" thick walk-in panels	Standard 4-inch panel with R-32 rating meets federal EISA requirements for freezers and surpasses R-25 requirements for coolers.	Standard thickness on all walk-in coolers and freezers
5" thick walk-in panels	Thickness of panels produces a higher R-factor and energy efficiency which surpasses federal EISA requirements.	An option on walk-in coolers and freezers
Scroll compressors	Up to 20% increase in efficiency vs. reciprocating compressors. Scrolls are also 50% more reliable than reciprocating types.	Standard on low temp remote refrigeration systems, optional on medium temp systems
MRS & DRS series multi-compressor remote refrigeration systems	Since these systems are remote, the heat produced by multiple condensing units is removed from the kitchen or sales space reducing air conditioning load and energy usage	Walk-ins with remote refrigeration systems

*LogiTemp is standard on Split-Pak™ remote freezer refrigeration systems 6 HP and above and optional on other systems.