



What You Need To Know About Walk-ins, Refrigeration & The Energy Independence Act of 2007

What are the requirements for walk-ins and refrigeration systems in the Energy Independence Act of 2007? Why are these measures necessary?

Imperial is the industry leader in energy efficient walk-in refrigeration systems design. Imperial has the answers and solutions for all of your compliance concerns.

ENERGY ACT REQUIREMENTS	IMPERIAL SOLUTIONS
Automatic door closers are required for hinged doors that measure 3'9" wide and 7'0" high or smaller.	Kason #1095 spring loaded door snubbers are a standard feature on Imperial Walk Ins. Optional electric (automatic) sliding doors are available for added savings
Strip curtains, spring hinges or some method (i.e. air curtains) of reducing infiltration are required.	Spring hinges are standard hardware on Imperial Walk-ins. Additional protection is available with optional strip curtains, flexible vinyl doors and a full line of electric (automatic) sliding doors.
Wall, ceiling and door insulation for coolers shall be at least R-25 for coolers and R-32 for freezers. Freezer floor insulation shall be at least R-28.	BASF polyurethane foam is used in all Imperial products and meets these requirements. Imperial products have been tested by an independent Energy Star testing agency to insure compliance.
Evaporator fan motors under 1hp and less than 460 volts must use EC (electrically commutated) motors or 3 phase motors. Condenser fan motors under 1hp must use EC, PSC (permanent split capacitor), or 3 phase motors.	Imperial uses EC or PSC motors as required. These high efficiency motors provide considerable energy savings by emitting less heat and using less electricity at start up.
Interior lamps with a light output of 40 lumens per watt or less must be used with a timer or device that turns lights off in 15 minutes or less when the walk in is unoccupied.	Interior lamps on all Imperial walk-ins have a light output higher than 40 lumens per watt. Timers and occupancy sensors to turn off lights are available for added energy savings.
Glass reach-in doors and glass view windows for freezers shall be triple pane with either heat reflective treated glass or gas filled.	All glass reach-in doors and glass view windows supplied by Imperial meet or exceed these requirements.
Anti-sweat heaters on doors and windows shall have a total power draw of less than 7.1 watts per square foot of opening for freezers and 3.0 watts per square foot of opening for coolers. If power draw exceeds these values an anti sweat heater controller is required.	All door and window anti-sweat heaters draw less power than maximum allowed without controllers. Anti-sweat controllers are not required on Imperial walk-in coolers and freezers but are available as an option for added energy savings.

NOTE: The requirements and solutions on this sheet refer to walk-in coolers and freezers of less than 3000 square feet.

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For more detailed information on the Energy Independence Act of 2007, a complete PDF is available on the Imperial Manufacturing website at www.imperialmfg.com

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ENERGY INDEPENDENCE ACT 2007
Requirements For Walk-in Coolers & Freezers