

COMPLIANCE TO 2012 DOE REGULATIONS

Revision January 23, 2012

The Department of Energy (DOE) regulations on energy standards for refrigerated display cases went into effect on January 1, 2012. The DOE regulations are based on the Energy Policy and Conservation Act (EPCA) and mandates maximum energy consumption levels for refrigerated display case equipment that can be built or imported into the United States starting from 2012.

Heatcraft supports initiatives that help improve energy efficiency and reduce overall global warming impact, and has ensured that all Kysor/Warren branded display cases meet or exceed the DOE standard for cases shipped in the United States.

As a result of this regulation, however, there are important changes for customers that impact the options available for display case products. For our customers benefit, we have listed below the changes that are required for each display case type:

REACH-IN CASES: LOW TEMPERATURE	
LIGHTING	<ul style="list-style-type: none"> T8 lighting will no longer be available Anthony Optimax Pro High Output LED's will not be available
MOTORS	<ul style="list-style-type: none"> EC motors only. No shaded pole or PSC motors will be available.
DOORS & FRAMES	<ul style="list-style-type: none"> The Anthony 101 door will be replaced with the ELMD door. This door's heat level and design match the ELM1 but maintain 101 style
	<ul style="list-style-type: none"> Anthony 101 frame is replaced by the Anthony 101 LE. The Anthony Eliminator can be used as a replacement as well.
	<ul style="list-style-type: none"> The Gemtron Polar door and frame is replaced with the Polar LE.
HEATERS	<ul style="list-style-type: none"> For non-Stratus cases, the drain heater will be ON only during defrost for electric defrost and ON all the time for hot gas defrost.
	<ul style="list-style-type: none"> Electric heaters will be specified at 208V
MISCELLANEOUS	<ul style="list-style-type: none"> QLV case model numbers will be used. THE QIV models will not be used: ice cream settings will be listed on the QLV specification sheet.

REACH-IN CASES OR DAIRY DOOR CASES: MEDIUM TEMPERATURE	
LIGHTING	<ul style="list-style-type: none"> T8 lighting will no longer be available Anthony Optimax Pro High Output LED's will not be available
	<ul style="list-style-type: none"> All Dairy Door cases require the use of LED lighting
	<ul style="list-style-type: none"> EC motors only. No shaded pole or PSC motors will be available.
DOORS & FRAMES	<ul style="list-style-type: none"> Heat will be used only in the door and not in the frame.
	<ul style="list-style-type: none"> Cannot use low temperature doors and frames on medium temperature cases
DEFROST	<ul style="list-style-type: none"> For cases with off cycle defrost, recommended defrost will be changed from one per day to three per day.

MCU CASES	
HEATERS	<ul style="list-style-type: none"> The condensate heater and pan are required to ship loose and be field installed.
MISCELLANEOUS	<ul style="list-style-type: none"> Other solutions are being reviewed. Further instructions and details will be forth coming.

MULTI-DECK CASES	
LIGHTING	<ul style="list-style-type: none"> Any case over 80" in height with lighted shelves must be LED
	<ul style="list-style-type: none"> High front meat cases, models MX6HN, MX7HN, that have shelf lighting required must use LED
	<ul style="list-style-type: none"> Standard front and low front cases along with the MX5HN can use T8 for the time being
	<ul style="list-style-type: none"> All Dairy Door cases require the use of LED lighting
MOTORS	<ul style="list-style-type: none"> EC motors only. No shaded pole or PSC motors will be available.
DEFROST	<ul style="list-style-type: none"> Any meat case with electric defrost requires engineering review before quoting.

ISLAND CASES	
DEFROST	<ul style="list-style-type: none"> Any medium temperature application requiring positive defrost must use hot gas
	<ul style="list-style-type: none"> All electric defrost requirement must be reviewed by engineering before quote.
MOTORS	<ul style="list-style-type: none"> EC motors only. No shaded pole or PSC motors will be available.

OPEN FRONT HORIZONTAL FREEZERS	
MODELS	<ul style="list-style-type: none"> Only the L5F can be use. No other versions of this case are valid.
DEFROST	<ul style="list-style-type: none"> Any medium temperature application requiring positive defrost must use hot gas
	<ul style="list-style-type: none"> All electric defrost requirement must be reviewed by engineering before quote.
MOTORS	<ul style="list-style-type: none"> EC motors only. No shaded pole or PSC motors will be available.
MISCELLANEOUS	<ul style="list-style-type: none"> Be cautious in the state of California as energy legislation prohibits the use of horizontal open front freezers.

WEDGE CASES	
MODELS	<ul style="list-style-type: none"> All wedge cases must be reviewed in a case by case basis.
MOTORS	<ul style="list-style-type: none"> EC motors only. No shaded pole or PSC motors will be available.