

SOLSTICE® REFRIGERANTS APPLICATIONS CHART

INDUSTRIES AND APPLICATIONS	AIM ACT REGULATORY GWP LIMIT	CLASS A2L (MILDLY FLAMMABLE)					CLASS A1 (NONFLAMMABLE)					
		Solstice® yf (R-1234yf) GWP <1	Solstice® ze (R-1234ze) GWP <1	Solstice® L40X (R-455A) GWP-148	Solstice® 454C (R-454C) GWP-148	Solstice® 454B (R-454B) GWP-466	Solstice® zd (R-1233zd) GWP <1	Solstice® N71 (R-471A) GWP-144	Solstice® 515B (R-515B) GWP-299	Solstice® 513A (R-513A) GWP-572	Solstice® 452A (R-452A) GWP-1945	Solstice® N40 (R-448A) GWP-1273
Food Retail												
Supermarket system	150 (>200lb), 300 (<200lb)	■	■	■	■			■			■	■
Condensing unit	150 (>200lb), 300 (<200lb)	■	■	■	■			■			■	■
Stand-alone refrigerator	150	■	■	■	■			■	■	■	■	■
High side of cascade	300 (<200lb)	■	■	■	■			■	■	■	■	■
Buildings												
Chillers - Comfort cooling and heating	700		■				■		■			
Residential/ light commercial AC/ heat pumps	700											
Variable Refrigerant Flow (VRF) systems	700											
Industrial Process												
Chillers – Low and medium temperature	700 ²	■	■	■	■	■	■	■	■	■	■	
Industrial process - non chiller	150 (>200lb), 300 (<200lb), 700 (-58F > -22F) ²	■	■	■	■			■	■	■	■	
Industrial hgh temperature heating	NA	■	■					■				
Data Centers												
Room and precision air conditioning	700		■				■	■	■	■	■	
Liquid Cooling (cold plates, etc)			■				■		■			
Cold Storage												
Commercial Ice Machines	150 ¹	■	■	■	■			■	■	■	■	■
Household Refrigerators/ Freezers												
Household Refrigerators/ Freezers	150	■	■									
Ice Rinks												
Ice Rinks	700	■		■	■							
Organic Rankine Cycle												
Organic Rankine Cycle	NA						■					
Non-Mechanical Heat Transfer												
Non-Mechanical Heat Transfer	NA						■		■			
Refrigerated Transport												
Refrigerated Transport	700 ^{1,2}	■		■	■	■			■	■	■	■

The information provided herein is believed to be accurate and reliable, but is presented without guarantee or warranty of any kind, express or implied. User assumes all risk and liability for use of the information and results obtained. Statements or suggestions concerning possible use of materials and processes are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated herein, or that other measures may not be required. Above information is based on US applications/regulations.

¹ See technology transition rule for specific refrigerant exclusions.

² See technology transition rule for ultra low temp rules.

■ NEW SYSTEMS - OEM PRODUCT AVAILABLE EARLY 2024
 ■ NEW SYSTEMS - CONTACT HONEYWELL FOR OEM AVAILABILITY
 ■ RETROFITS

