



SOLSTICE[®] REFRIGERANTS APPLICATIONS GUIDE

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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® 454A (R-454A) GWP 239	Solstice® 454C (R-454C) GWP-148	Solstice® 454B (R-454B) GWP-466	Solstice® zd (R-1233zd) GWP <1	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 high temperature heating	NA	■	■					■	■			
Data Centers												
Room and precision air conditioning	700		■				■	■	■	■		
Liquid Cooling (cold plates, etc)			■					■	■			
Cold Storage	150 (>200lb), 300 (<200lb)	■	■	■	■	■			■	■		■
Commercial Ice Machines	150 ¹	■		■		■			■			
Household Refrigerators/ Freezers	150	■	■	■	■	■						
Ice Rinks	700	■		■	■	■						
Organic Rankine Cycle	NA							■				
Non-Mechanical Heat Transfer	NA		■					■	■			
Refrigerated Transport	700 ^{1,2}	■		■		■	■			■	■	■

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¹ See technology transition rule for specific refrigerant exclusions.

² See technology transition rule for ultra low temp rules.

■ NEW SYSTEMS - CONTACT SOLSTICE FOR OEM AVAILABILITY
 ■ RETROFITS