



Lower GWP Forane® Refrigerants Guide

EQUIPMENT CATEGORY	AIM ACT GWP LIMIT	FORANE® 32 GWP = 675 A2L	FORANE® 448A GWP = 1386 A1	FORANE® 449A GWP = 1397 A1	FORANE® 452B GWP = 2140 A2L	FORANE® 454B GWP = 466 A2L	FORANE® 513A GWP = 631 A2L	FORANE® 1233zd HTS GWP = 1 A1
COMFORT HVAC								
Residential & Light Commercial	700	■				■		
Chillers	700	■				■	●	■
Variable Refrigerant Flow (VRF)	700	■				■		
REFRIGERATION								
Stand Alone Refrigeration	150		▲	▲	▲		▲	
Supermarket System	150 for charge size >200lb		▲	▲	▲		▲	
	300 for charge size <200lb		▲	▲	▲		▲	
Condensing Unit	150 for charge size >200lb		▲	▲	▲		▲	
	300 for charge size <200lb		▲	▲	▲		▲	
Heat Pump Water Heaters	N/A						■	
High Temperature Heat Pump	N/A							■
Organic Rankine Cycle	N/A							■
Industrial Process Chillers (Low-Medium Temperature)	700	■				■	●	■
Data Center Air Conditioning	700	■				■		■
IT Equipment Liquid Cooling	N/A							■

■ New Systems Only ▲ Retrofits Only ● New and Retrofit

Customer Service (US Only): (800) 245-5858 Technical Service Team (US Only): (800) 738-7695 forane.arkema.com

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