

PRODUCT	ASHRAE DESIGNATION	GWP	ODP						
		IPCC rev.4		Industrial Refrigeration	Chiller	Commercial Refrigeration	Refrigerated Transports	Residential AC	Mobile Air Conditioning
Solstice® HFO 1234ze Solstice® N15	HFO1234ze R515B	 6 299		 Positive T and MT	 replaces the R134a	 Positive T replaces the R134a			
Solstice® HFO 1234yf	HFO1234yf	 4			 replaces the R134a				
Solstice® N13 Opteon® XP10	R450A R513A	 604 631		 Positive T and MT	 replaces the R134a	 Positive T replaces the R134a			
Solstice® zd	HFO1233zd	 1			 replaces the R134a centrifugal compressors				
Solstice® N40 Opteon® XP40	R448A R449A	 1387 1397		 MT (0° ÷ -15°C)		 MT (0° ÷ -15°C)			
Kryon® 452B Opteon® XL41	R452B R454B	 698 466			 replaces the R410A				
Solstice® L40X Opteon® XL20	R445A R454C	 148 148				 Plug-in systems			
Kryon® 452A	R452A	 2141		 MT (0° ÷ -15°C) BT (inf. -15°C)		 MT (0° ÷ -15°C) BT (inf. -15°C)			



New **Low GWP** Products with
High Energy Efficiency for
Refrigeration and Air Conditioning

 Low GWP  Medium GWP  Zero ODP