

Solstice® Range of Refrigerants

	Alternative To	GWP	ASHRAE Class	Performance (vs alternative)	Applications	Status
Solstice® yf HFO-1234yf	R-134a	<1	A2L	Both capacity & efficiency very similar to R134a (typically +/- 5%)	MAC, buses & coaches AC, vending, fridges	Commercially available. Adopted by MAC industry. Proven records in vending units.
Solstice® ze HFO-1234ze	R-134a	<1	A2L	Efficiency comparable or better than R-134a	Chillers, vending, CO ₂ cascade systems, air dryers, heat pumps	Commercially available. Non-flammable for handling and storage. Proven records in chillers, heat pumps and plug-ins. Initial trials in cascade systems.
Solstice® zd HFO-1233zd	R-123	<1	A1	Better capacity & similar efficiency to highly efficient R123	Centrifugal chillers ORC, high temp applications, high capacity chillers	Available for testing.
Solstice® N13 HFO blend	R-134a	~600	A1	Efficiency comparable or better than R134a	Chillers, MT refrigeration (distributed, CO ₂ cascade)	Best non-flammable alternative. Initial trials in cascade systems.
Solstice® N20 HFO blend	R-22 R-407C	~1000	A1	Comparable to R-407C	Stationary A/C, refrigeration	Non-flammable. Available for testing.
Solstice® L20 HFO blend	R-22 R-407C	<300	A2L	Comparable to R-407C	Stationary A/C, refrigeration	Available for testing.
Solstice® N40 HFO blend	R-404A	~1380	A1	Improved capacity and energy efficiency compared to R404A / R507	MT and LT refrigeration	Non-flammable. Available for testing.
Solstice® L40 HFO blend	R-404A	<300	A2L	Better efficiency than R-404A	MT and LT refrigeration	Available for testing.
Solstice® L41 HFO blend	R-410A	<600	A2L	Comparable to R-410A	Stationary A/C, heat pumps	Available for testing.

Note: HFOs and HFO blends can be used with existing technology and existing technicians skills in most of the applications.



Download the free software from Honeywell Genetron Properties Suite at:
<https://www.honeywell-refrigerants.com>

Download the **PT calculation retrofit calculator** applications for iOS and Android free



Learn More

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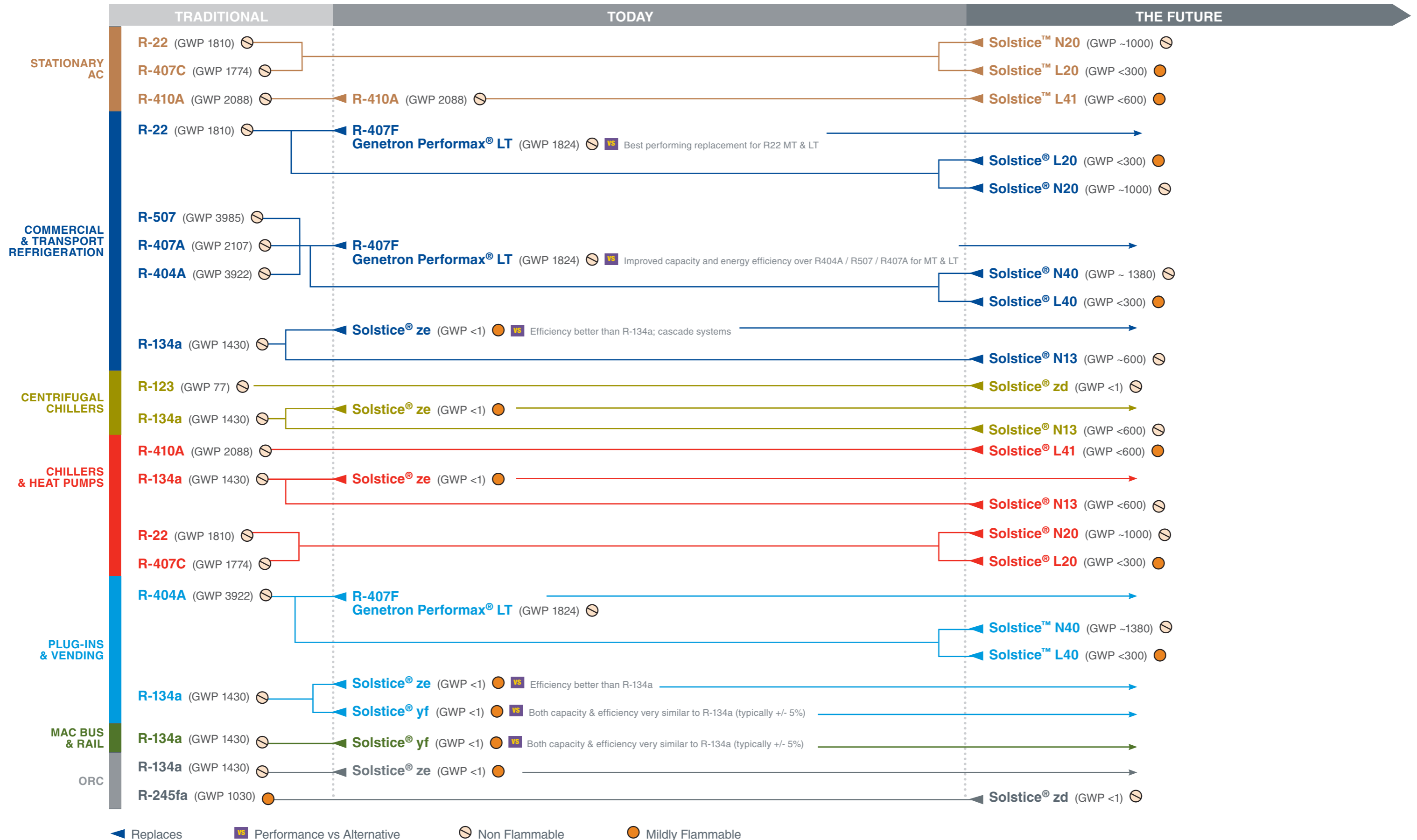
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Solstice®
A Full Range Of Energy Efficient, Innovative
And Sustainable Refrigerant Solutions

The Future Of Refrigerants Begins With Solstice®

Honeywell's key environmental focus is on safe, lower GWP sustainable solutions, whilst still maintaining energy efficiency at the heart of the product range. We have invested in both R&D and manufacturing capacity for continuous improvement to help countries and companies meet the global commitments for carbon footprint reduction.



← Replaces
vs Performance vs Alternative
⊖ Non Flammable
● Mildly Flammable