

Solstice™ N40

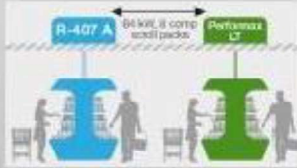
- **Replaces R404A**
- **ASHRAE #:** R-448A
- **HFC/HFO blend:** R32 / R125 / R1234yf / 1234ze / R134a
(26.0% / 26.0% / 20.0% / 7.00% / 21.0%)
- **ODP:** Zero Ozone Depletion Potential
- **GWP:** 1387 (AR4)
- **ASHRAE safety:** A1 non-flammable
- **Glide:** ~4-5K
- **Can be topped off while servicing (do not mix with R-404A)**
- **Compatible with POE lubricants**
- **Compressor approvals: Bitzer, Emerson, Frascold, Danfoss**

The need of GWP going down

GWP

1825

**Performax LT
R-407F**



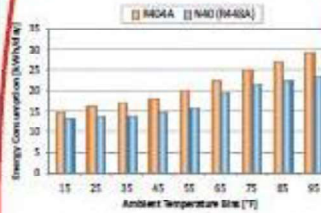
**Asda (Walmart),
Hunts Cross UK**

- Up to 15% saving in system energy bills
- Up to 40% reduction in system CO2 emissions
- Up to 10% improvement in system running costs

*Preliminary ASHRAE #

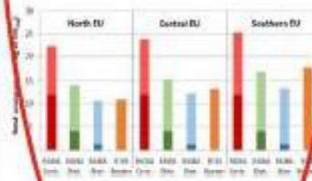
1387

**Solstice® N40
R-448A**



Between 5 – 15% lower energy consumption.

LCCP Analysis



R-448A has lower consumption in all investigated locations

605

**Solstice® N13
R-450A**



**Auchan (Paris): first
Solstice N13 hyper**

- 8000m² Commissioned October 2013
- Savings of 960 tons CO2eq / year compared with using a standard R-404A DX system

148

**Solstice® L40X
R-455A***



Compressor test

- Extensive Calorimeter Testing
- Improved COP vs. R-404A
- A2L Mildly Flammable

