DAIKIN | Positively Innovative

Comparison of Lower GWP, Economical Daikin R-407H to R-404A

	R-407H	R-404A
Composition	R-32/R-125/R-134a (32.5/15.0/52.5 mass%)	R-125/R-143a/R-134a (44.0/52.0/4.0 mass%)
Boiling Point (at 1atm)	-48.5 °F	-51.2 °F
Critical Temperature	187.8 °F	161.6 °F
Critical Pressure	703 psi	541 psi
Saturated Vapor Pressure (at 77 °F)	180 psi	181 psi
COP (vs. R-404A) Low Temp*	106 %	100 %
COP (vs. R-404A) Medium Temp**	106 %	100 %
Temperature Glide (Evaporation) *	7.9 °F (LT), 8.6 °F (MT)	0.72 °F
Ozone Depletion Potential (ODP)	0	0
Global Warming Potential (GWP) ***	1495 (1380)	3920 (3940)
ASHRAE Classification	A1	A1

* Conditions LT: Cond. Temp. 105 °F , Evap. Temp. -25 °F, Sub Cool 5 °F, Super Heat 55 °F, Comp. Efficiency 0.7

** Conditions MT: Cond. Temp. 105 °F , Evap. Temp. 20 °F, Sub Cool 5 °F, Super Heat 30 °F, Comp. Efficiency 0.7

*** GWP values from IPCC Fourth Assessment Report: Climate Change 2007:AR4 (Fifth Assessment Report: AR5)