Opteon™ XL41

Refrigerant R-454B

The Clear Future of HVAC Refrigerants.

A High Performing Replacement Refrigerant for R-410A in New Equipment Designs

- ***Lowest GWP replacement for R-410A (reduction of 78%)***
- ***Comparable capacity and improved efficiency compared to R-410A***
- ***Comparable discharge temperature and lower discharge pressure compared to R-410A***
- ***Lower Toxicity and Lower Flammability ratings (ISO/ASHRAE 34, A2L)***
- ***The adoption of XL41 minimizes equipment redesign by OEMs***
- ***Minimal learning curve for installers and service techs***
- ***Miscible with POE lubricants***
- ***Can be topped off after leak***

For refrigerant related support,
call **866-433-8324**
or email **tech2tech@chemours.com**

Visit us online for
more information at
www.opteon.com/en/products/refrigerants/xl41

Chemours™

		AC		HP	
		R-454B	*R-410A*	*R-454B*	*R-410A*
Relative Capacity	-	0.96	1.0	0.98	1.0
Relative COP	-	1.02	1.00	1.03	1.00
Evaporator Glide[1]	Δ°F	2.1	0.20	1.7	0.10
Relative Mass Flow	-	0.82	1.0	0.80	1.0
T Discharge	°F	189	179	232	216
P Discharge	psia	379	406	465	498
P Suction	psia	147	158	107	116

[1]Evaporator glide is the temperature difference between evaporator inlet and the saturated vapor temperature at the evaporator pressure (evaporator dew point).

AC Conditions: 10°C (50°F) average evaporator, 46.1°C (115°F) average condenser, 8.3K (15R) subcooling, 11.1K (20R) superheat, 70% isentropic efficiency

HP Conditions: 0°C (32°F) average evaporator, 55°C (131°F) average condenser, 3K (5.4R) subcooling, 10K (18R) superheat, 70% isentropic efficiency

XL41TCF (1/23)