



# Koura LFR3 Development Refrigerant

Koura has over **50 years of experience** delivering trusted solutions, with innovation, sustainability and customer focus driving our approach.

Our latest innovation, LFR 3 is designed to achieve a **lower environmental impact** and **better performance** than CO<sub>2</sub> across a range of ambient temperatures – it will be suitable for a range of cooling applications across the industry.

## Applications

- Vehicle and passenger transportation air-conditioning
- Heat pump systems
- Cold chain refrigeration and transport refrigeration
- Commercial refrigeration applications

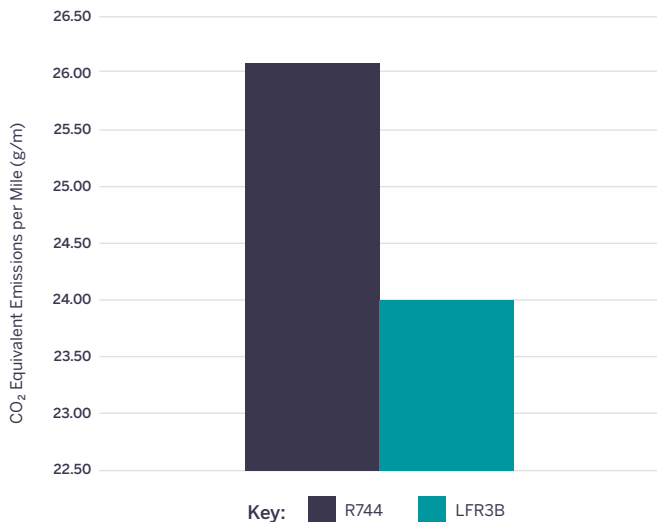
## Expected Benefits

- Designed to have lower environmental impact than CO<sub>2</sub>
- Non-flammable as formulated
- Lower operating pressure than CO<sub>2</sub>
- Low GWP (140 AR5)

## Expected Performance

- ✓ More energy efficient than CO<sub>2</sub>
- ✓ Excellent performance in residential heat pump and mobile air-conditioning systems
- ✓ Energy efficiency up to 20% higher than CO<sub>2</sub>
- ✓ Operating pressure 15 - 20% lower than CO<sub>2</sub>

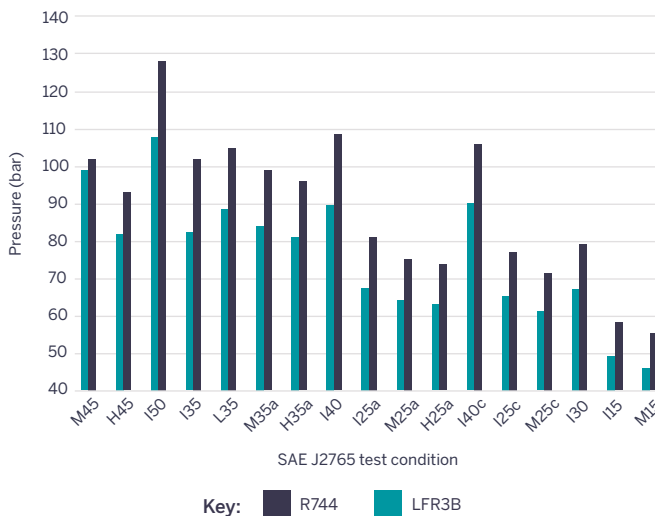
## Lower Environmental Impact than CO<sub>2</sub>\*



Weighted MAC Operation Contribution per Mile  
- All Green MAC Cities

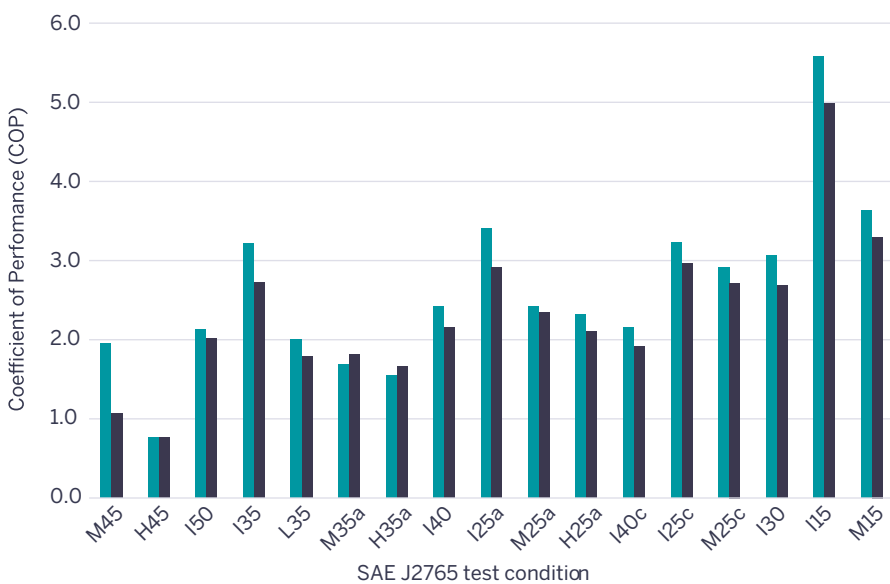
\*Lower LCCP result derived from preliminary analysis testing a production system designed for R744

## Lower Operating Pressure



Reduced operating pressure by up to 15%  
- therefore reduced engineering cost and architecture

## Performance



Performance is improved by up to 15% in unoptimized tests.  
Further improvement possible by up to 20%

Contact us today to see how we can work together

✉ info@kouraglobal.com

🐦 @KleaRefrigerant

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