

Benefits of R744 MAC

Operation cost of MAC

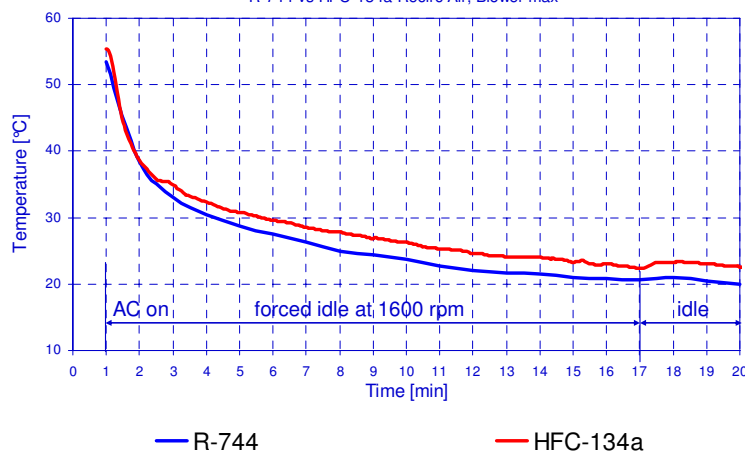
- Improved seasonal performance
 - 90 % of operation, when COP matters, R744 units are more efficient than HFC-134a systems
 - Reduced AC-Fuel consumption (**xx € / a**)
 - Car owners save money
 - Reduces indirect GHG emissions
- Service
 - Refrigerant recycling can be dropped
 - Low cost of R744 charge
- End of life
 - No refrigerant recovery required.

Benefits of R744 MAC

Comfort / Cooling

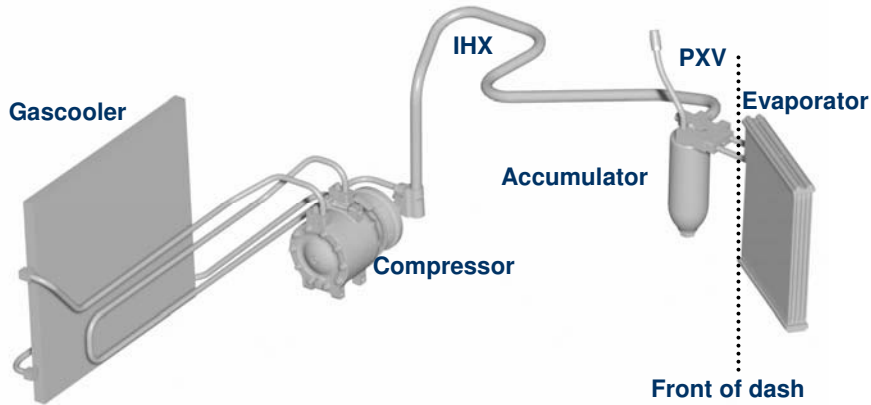
AC Pull Down, Head Temperature, **Small Car**

20.02.2004_1 ; $t_{amb} = ca 35^{\circ}C$; A/C Measurement
R-744 vs HFC-134a Recirc Air, Blower max



Benefits of R744 MAC

Small Car Low Cost A/C Solution



- Reduced complexity versus HFC-134a
- Reduced weight



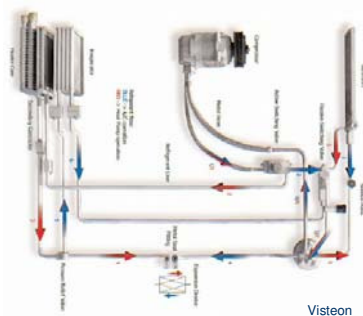
Cooling Cars with Less Fuel, Paris, October 2006

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Benefits of R744 MAC

Comfort / Heating

- **Reversible R744 systems** can provide sufficient heating capacity for the passenger compartment.
- **No additional auxiliary heating** device required
- **Sustainable system solution** for vehicles of the future



Visteon



Cooling Cars with Less Fuel, Paris, October 2006

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