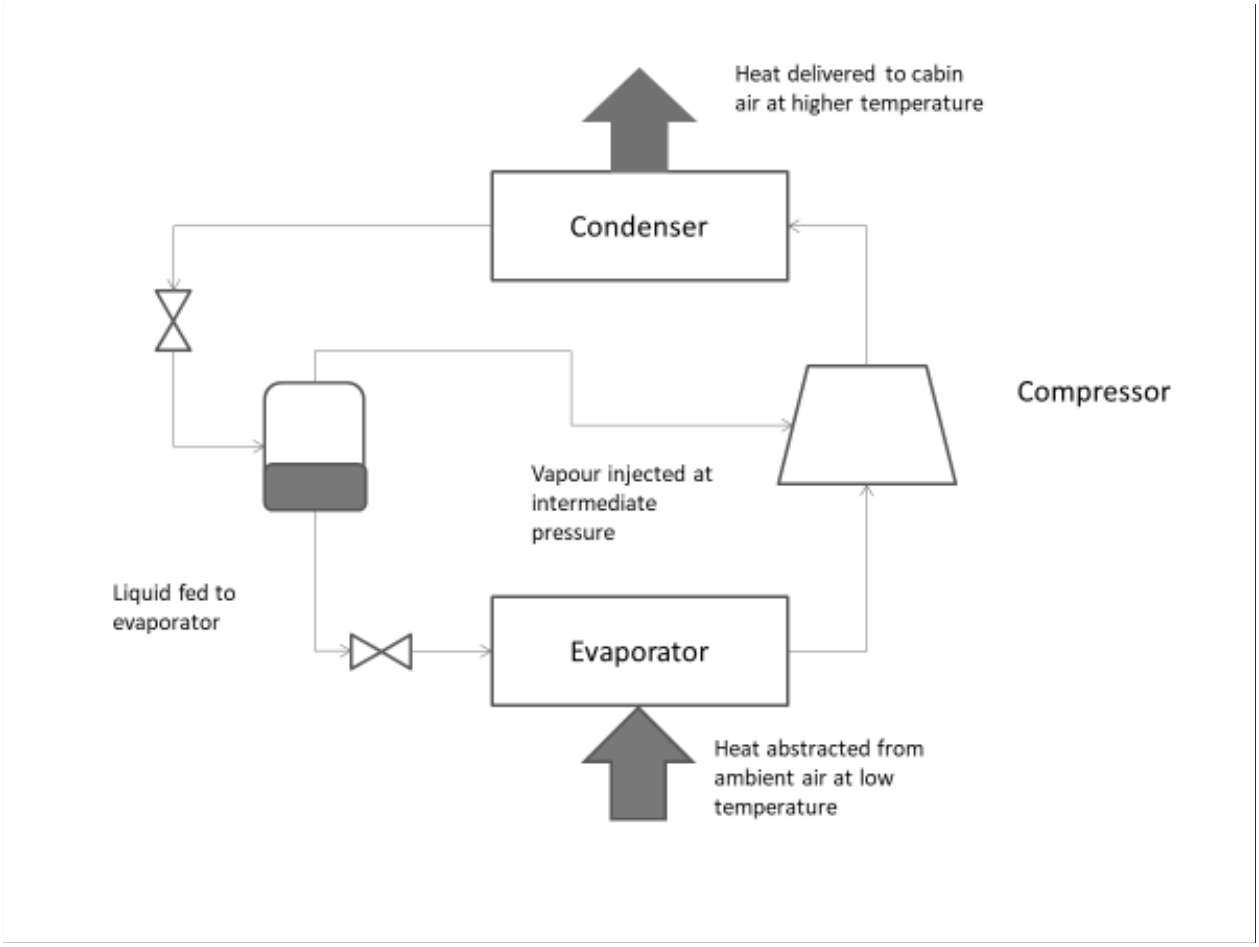
Heat delivered to cabin air at higher temperature
Condenser
Compressor
Vapour injected at intermediate pressure
Liquid fed to evaporator
Evaporator
Heat abstracted from ambient air at low temperature

Figure 1

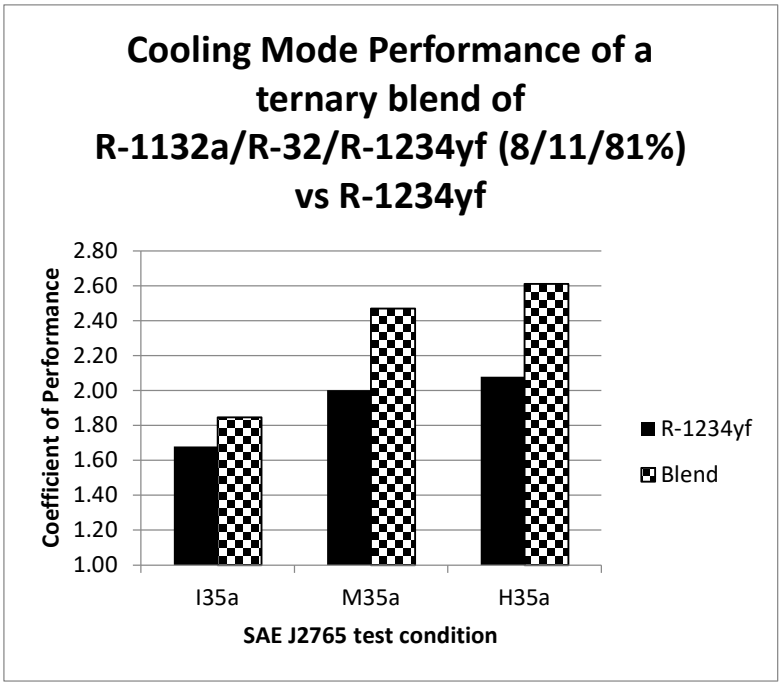
Cooling Mode Performance of a ternary blend of R-1132a/R-32/R-1234yf (8/11/81%) vs R-1234yf
Coefficient of Performance
2.80
2.60
2.40
2.20
2.00
1.80
1.60
1.40
1.20
1.00
I35a
M35a
H35a
SAE J2765 test condition
R-1234yf
Blend

Figure 2

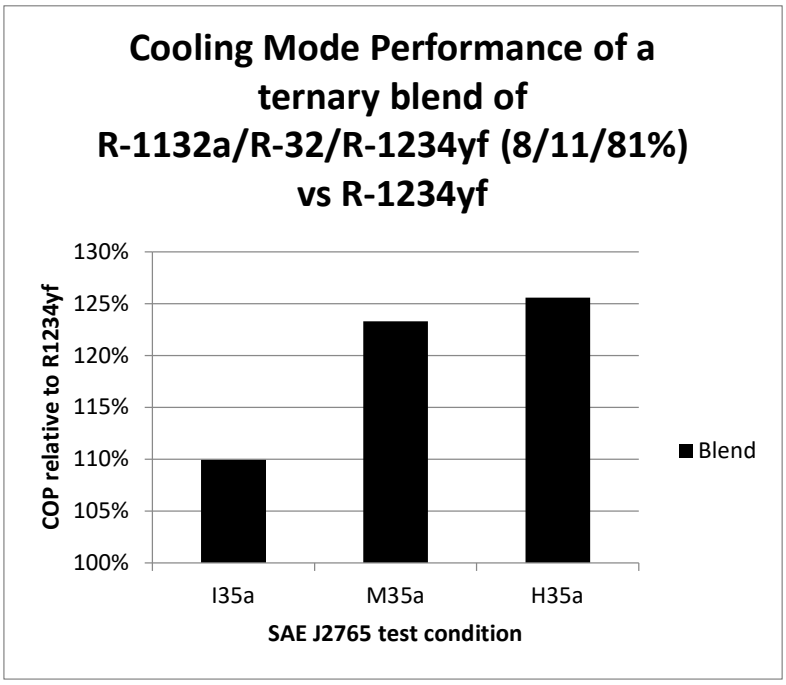
Cooling Mode Performance of a ternary blend of R-1132a/R-32/R-1234yf (8/11/81%) vs R-1234yf
COP relative to R1234yf
130%
125%
120%
115%
110%
105%
100%
I35a
M35a
H35a
SAE J2765 test condition
Blend

Figure 3