

Abstract

Vapour compression refrigeration is abundantly used as the method of refrigeration for refrigerated food transport applications. But issues such as higher weight, noise, regular maintenance requirements, higher installation cost, environmental impact, high fuel consumption and low efficiency are akin to these systems. Thermally driven refrigeration system such as ammonia-water absorption refrigeration system can be used as an effective replacement to conventional vapour compression refrigeration systems. Waste heat that is available in the exhaust gas of the motor vehicles can be utilized to power such systems.