
Description: The automotive heat exchanger market in Japan is expected to reach $4.26 billion by 2017, growing at a CAGR of 9.59% till 2020. Japan is one of the prominent market in the automotive heat exchanger market in APAC. The country is second to China in the share of the automotive heat exchanger market in Asia Pacific with a share of more than 20%. The increased adoption of hybrid and electric vehicles (which uses greater number of heat exchangers) in Japan is also expected to help increase its market share of heat exchangers during the forecast period. Japan is the 3rd largest automobile market in the world, after China and the U.S., making it a lucrative market for domestic consumption of heat exchangers. Significant investments in equipment, research-and-development activities, is considered a barometer of growth in the economy, and similar trends drive the growth of the Japanese automotive industry.

In 2014, motor vehicle production in Japan has increased for the first time in two years, totalling 9.77 million units, up by 1.5% from 2013 with passenger car production growing from 1.1% to a total of 8.28 million units. Truck and bus production also witnessed an increase, growing 3.8% to 1.36 million units and 5.4% to 139,000 units, respectively. The growth prospect of the passenger cars promises significant growth in the automotive heat exchanger market.

With volatility of oil price and growing concern on energy conservation, the development of energy-efficient technologies for automobiles has taken on in an accelerated pace. Micro channel aluminium heat exchangers are being used in the automotive industry for its energy efficiency purposes. Heat exchanger manufacturing companies are investing heavily in R&D to develop energy-efficient heat exchangers. The vendors are actively investigating the use of thermoelectric technology to recover the loss of wasted heat energy. TE waste heat energy recovery system is under research for implementation, in internal combustion engine of automobiles. A TEG system would be also implemented for automotive waste heat recovery systems. The use of a plate-fin automotive heat exchanger along with a TEG would enhance the transfer of heat. For instance, Climetal has introduced advanced microchannel aluminum heat exchangers for HVAC systems in automotive and other commercial systems. The close spacing and the small channel diameter in a microchannel aluminum heat exchanger helps to produce a heat exchanger with very high energy efficiency and a very low refrigerant charge. Thus, simply by optimizing the design of the heat exchanger, it is able to provide increased energy efficiency and big savings in terms of the operating cost. The developments in the automotive heat exchanger technology would augment the adoption of automotive heat exchanger in a automotive vehicle, during the forecast period.

The market is segmented on the basis of application, design type and by vehicle type. The automotive radiator leads the market with a share of more than 62% in the application type. The shell and tube type heat exchangers accounted for the largest share in the Japan heat exchangers market. The growth in the electric vehicle segment would also be the highest among the vehicle types. The automotive heat exchanger market is fragmented and highly competitive with the presence of a large number of vendors across the Asia-Pacific region. Thereby, it is expected that international players will grow inorganically during the forecast period by acquiring the regional or small players in the market. Denso, Valeo, Kaori, Jiangshu are the dominant players in the market.

The Report Offers:

- Market Definition along with identification of key drivers and restraints for the market.
- Market analysis with region specific assessments and competition analysis on the market
- Identification of factors instrumental in changing the market scenarios, rising prospective opportunities and identification of key companies, which can influence the market.
- Extensively researched competitive landscape section with profiles of major companies along with their strategic initiatives and market shares.
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