

Automotive Hydrostatic Fan Drive System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global automotive hydrostatic fan drive system market size reached US\$ 385.1 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 528.0 Million by 2028, exhibiting a growth rate (CAGR) of 5.1% during 2023-2028.

An automotive hydrostatic fan drive system is a critical component of an engine cooling system integrated into a vehicle that assists with lubrication, sensors, and controls. A combustion engine's hydrostatic fan drive system maintains the optimal operating temperature of the engine when it gets heated up. By reducing the noise and heat generated by engines, regardless of the speed, it lowers the noise and heat generated by combustion engines. Hydraulic fan drives with temperature-activated and electronically controlled systems offer precise control while reducing the fan speed during periods of low cooling demand. As a result, it enables mobile equipment, commercial vehicles, and coaches to meet the strict guidelines concerning emissions and noise. It finds applications in a wide range of industries, including agriculture, transportation and construction.

Automotive Hydrostatic Fan Drive System Market Trends:

The market is primarily driven by the rising demand for low-emission vehicles across the globe. This can be attributed to the increasing preference for fuel-efficient, noiseless and independently operating engine cooling systems in off-highway vehicles. In addition to this, continual technological advancements in automotive engine manufacturing, along with an enhanced focus on sustainable development and reducing carbon dioxide

(CO₂) emissions, are also creating lucrative growth opportunities. The market is further driven by the stringent regulatory norms regarding vehicle emissions undertaken by the governments of several countries. Moreover, the rapid utilization of hydrostatic fan drive systems in construction equipment is also creating a positive outlook for the market. Some of the other factors that are contributing to the market growth include the growing adoption of hybrid engines, inflating disposable income levels of the consumers, the advent of electric vehicles (EV) and extensive research and development (R&D) activities.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive hydrostatic fan drive system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, pump type and vehicle type.

Breakup by Component:

Variable Axial Piston Pump

Fixed Gear Motor

Engine Control Unit

Oil Cooler

Hydraulic Valves and Sensors

Breakup by Pump Type:

Fixed Displacement Pump

Variable Displacement Pump

Breakup by Vehicle Type:

On-Road Vehicles

Bus

Truck

Off-Road Vehicles

Construction and Mining

Agricultural

Train, Metro and Trams

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Axiomatic Technologies Corporation, Bondioli & Pavesi S.p.A., Bosch Rexroth Aktiengesellschaft (Robert Bosch GmbH), Bucher Hydraulics (Bucher Industries AG), Casappa S.p.A., Concentric AB, Danfoss, JTEKT Corporation (Toyota Group), Parker Hannifin Corporation, Quality Hydraulics & Pneumatics Inc. and Walvoil S.p.A (Interpump Group S.p.A).

Key Questions Answered in This Report

1. How big is the global automotive hydrostatic fan drive system market?
2. What is the expected growth rate of the global automotive hydrostatic fan drive system market during 2023-2028?
3. What are the key factors driving the global automotive hydrostatic fan drive system

market?

4. What has been the impact of COVID-19 on the global automotive hydrostatic fan drive system market?

5. What is the breakup of the global automotive hydrostatic fan drive system market based on the component?

6. What is the breakup of the global automotive hydrostatic fan drive system market based on the vehicle type?

7. What are the key regions in the global automotive hydrostatic fan drive system market?

8. Who are the key players/companies in the global automotive hydrostatic fan drive system market?

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