



IHS Markit™

# Motor-driven Equipment Research Package

Advance your competitive position by leveraging IHS Markit's critical insight on the changing markets for pumps, fans and compressors

In the current economic climate, making the right decision is crucial. In an ever-changing market, utilizing proper guidance is paramount. This four-database research package on pumps, fans and compressors is the first of its kind, and offers coverage into more than 30 different market segments and three major regions. Five year forecasting by market segment aids educated decisions yielding future rewards.

**Four databases are offered for individual or joint purchase:**

- Centrifugal Pumps
- Positive Displacement Pumps
- Industrial Air & Gas Compressors
- Fans & Blowers

Each database in the research package provides an in-depth view into market sizing, market share

**BENEFITS**

- Comprehensive market statistics by region and country
- Competitive market shares (global and by major region)
- Vast number of segmentations, including: driver technology, power rating, sales channel, product type, industry, application, maximum pressure and design technology
- Insight on the impact of product developments, government legislation and economic climate
- 5-year forecast

**TIMELINE FOR DELIVERY**

**November 2016:**  
Positive Displacement Pumps, Fans & Blowers

**November 2017:**  
Centrifugal Pumps

**November 2018:**  
Industrial Air & Gas Compressors

**Deliverables for each database include:**  
**Excel based data sets, PDF trends analysis and access**

## MARKET SEGMENTATIONS

# Motor-driven Equipment Research Package

### CENTRIFUGAL PUMPS DATABASE - PRODUCT DATA DETAIL

#### PRODUCT TYPE

Single Stage Single Entry  
 - Closed Coupled  
 - Long Coupled  
 Single Stage  
 - Double Suction  
 - In-line

Multistage  
 Well Pumps  
 Submersible Motor  
 Booster Sets  
 Line Shaft Turbines  
 Sewage  
 Other

#### OUTPUT POWER

1 – 2.0 HP (.75 – 1.5kW)  
 3 – 5.5 HP (2.25 – 4.13 kW)  
 7.5 – 10 HP (5.62 – 7.5 kW)  
 15 – 50 HP (11.25 – 37.5 kW)  
 60 – 150 HP (45 – 112.5 kW)  
 200 – 500 HP (150 – 375 kW)  
 >500 ( >376 kW)

#### ADDITIONAL SEGMENTATIONS

By Sub Product  
 By Standards Compliance  
 By Configuration

#### EMEA

Africa  
 Austria  
 Benelux  
 Central & E. Europe  
 France  
 Germany  
 Italy  
 Nordic Countries

Middle East  
 Poland  
 Russian Fed. & CIS  
 Spain & Portugal  
 Switzerland  
 Turkey  
 UK & Ireland

#### AMERICAS

Brazil  
 Canada  
 Mexico  
 United States  
 Rest of Latin America

#### APAC

Australia  
 China  
 India  
 Japan  
 South Korea  
 Taiwan  
 Thailand  
 Rest of Asia

#### SALES CHANNEL

Direct to EPC Contractor  
 Direct to End-User  
 Direct to OEM  
 Direct to Systems Integrator  
 Via Distribution

#### INDUSTRY SECTOR

<ul style="list-style-type: none"> <li>Chemicals</li> <li>- Chemical Process</li> <li>- Water and Wastewater</li> <li>- Other Applications</li> <li>Commercial Buildings</li> <li>- HVAC</li> <li>- Pressure Boosting</li> <li>- Wastewater</li> <li>- Water Supply</li> <li>- Other Applications</li> </ul>	<ul style="list-style-type: none"> <li>Food &amp; Beverage</li> <li>Marine</li> <li>Metal Manufacturing</li> <li>Mining</li> <li>- Dewatering</li> <li>- Slurry</li> <li>- Water / Wastewater treatment</li> <li>- Other Application</li> <li>Municipal Water</li> <li>- Wastewater transport</li> </ul>	<ul style="list-style-type: none"> <li>- Wastewater treatment</li> <li>- Desalination</li> <li>- Water Intake</li> <li>- Water Distribution</li> <li>- Other Application</li> <li>Oil &amp; Gas</li> <li>- Onshore Upstream</li> <li>- Onshore Midstream</li> <li>- Onshore Downstream</li> <li>- Offshore</li> </ul>	<ul style="list-style-type: none"> <li>Pharmaceuticals</li> <li>Power Generation (Fossil Fuels)</li> <li>- Ash / Fad Pumps</li> <li>- Boiler Feed</li> <li>- Cooling Water</li> <li>- Other Applications</li> <li>Power Generation (Nuclear)</li> <li>Power Generation (Renewables)</li> <li>Pulp &amp; Paper</li> </ul>
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## MARKET SEGMENTATIONS

# Motor-driven Equipment Research Package

### POSITIVE DISPLACEMENT PUMPS DATABASE - PRODUCT DATA DETAIL

#### PRODUCT TYPE

Metering pumps	Progressive Cavity
Rotary Pumps	Reciprocating Pumps
Gear	Piston Plunger
Screw	Diaphragm
Moving Vane	Other
Peristaltic	

#### OUTPUT POWER

1 – 2.0 HP (.75 – 1.5kW)  
 3 – 5.5 HP (2.25 – 4.13 kW)  
 7.5 – 10 HP (5.62 – 7.5 kW)  
 15 – 50 HP (11.25 – 37.5 kW)  
 60 – 150 HP (45 – 112.5 kW)  
 200 – 500 HP (150 – 375 kW)  
 >500 ( >376 kW)

#### ADDITIONAL SEGMENTATIONS

By Sub Product  
 By Standards Compliance  
 By Configuration

#### EMEA

Africa	Middle East
Austria	Poland
Benelux	Russian Fed. & CIS
Central & E. Europe	Spain & Portugal
France	Switzerland
Germany	Turkey
Italy	UK & Ireland
Nordic Countries	

#### AMERICAS

Brazil  
 Canada  
 Mexico  
 United States  
 Rest of Latin America

#### APAC

Australia  
 China  
 India  
 Japan  
 South Korea  
 Taiwan  
 Thailand  
 Rest of Asia

#### SALES CHANNEL

Direct to EPC Contractor  
 Direct to End-User  
 Direct to OEM  
 Direct to Systems Integrator  
 Via Distribution

#### INDUSTRY SECTOR

Chemicals	- Other Applications	Municipal Water	- Offshore
- Chemical Process	Food & Beverage	- Rain Water	Pharmaceuticals
- Clear Liquids	Marine	- Wastewater	Power Generation (Fossil Fuels)
- Water and Wastewater	Metal Manufacturing	- Desalination	- Ash / Fad Pumps
- Other Applications	Mining	- Water Intake	- Boiler Feed
Commercial Buildings	- Dewatering	- Water Distribution	- Cooling Water
- HVAC	- Slurry	- Other Application	- Other Applications
- Pressure Boosting	- Jetting	Oil & Gas	Power Generation (Nuclear)
- Wastewater	- Water / Wastewater treatment	- Onshore Upstream	Power Generation (Renewables)
- Water Supply	- Other Application	- Onshore Midstream	Pulp & Paper
		- Onshore Downstream	

## MARKET SEGMENTATIONS

# Motor-driven Equipment Research Package

### AIR & GAS COMPRESSORS DATABASE - PRODUCT DATA DETAIL

#### AIR COMPRESSORS

Centrifugal Compressors  
 - Integrally geared  
 - Externally geared  
 Reciprocating Compressors  
 - Integral  
 - Separable  
 Rotary Screw Compressors  
 Rotary Scroll Compressors

#### GAS COMPRESSORS

Axial Compressors  
 Centrifugal Compressors  
 Integrally geared  
 Externally geared  
 Mixed-flow Compressors  
 Reciprocating Compressors  
 - Integral - Separable  
 Rotary Screw Compressors

#### OUTPUT POWER

1 – 2.0 HP (.75 – 1.5kW)  
 3 – 5.5 HP (2.25 – 4.13 kW)  
 7.5 – 10 HP (5.62 – 7.5 kW)  
 15 – 50 HP (11.25 – 37.5 kW)  
 60 – 150 HP (45 – 112.5 kW)  
 200 – 500 HP (150 – 375 kW)  
 >500 (>376 kW)

#### ADDITIONAL SEGMENTS

By Seal Type  
 By Max Pressure  
 By Driver Type

#### EMEA

Africa  
 Central & E. Europe  
 France  
 Germany  
 Italy  
 Nordic Countries  
 Middle East

Russian Fed. & CIS  
 Spain & Portugal  
 Switzerland  
 Turkey  
 UK & Ireland  
 Rest of Europe

#### AMERICAS

Brazil  
 Canada  
 Mexico  
 United States  
 Rest of Latin America

#### APAC

Australia  
 China  
 India  
 Japan  
 South Korea  
 Rest of Asia

#### SALES CHANNEL

Direct to EPC Contractor  
 Direct to End-User  
 Direct to OEM  
 Direct to Packager  
 Via Distribution

### INDUSTRY SECTOR

#### Gas Compression

Chemicals  
 General manufacturing  
 Mining  
 Oil & Gas  
 - Upstream  
 CO<sub>2</sub>/N<sub>2</sub> injection  
 Gas gathering  
 Gas lift  
 Gas processing

Reinjection  
 - Midstream  
 Gas storage  
 LNG processing  
 Pipelines  
 - Downstream  
 Refineries  
 Petrochemicals  
 Power distribution  
 Power generation  
 - Acid Gas, CO<sub>2</sub>

- Fuel gas booster  
 - IGCC: Nitrogen  
 - IGCC Syngas  
 Steel

#### Air Compression

Food, beverage & tobacco  
 General manufacturing  
 Industrial pneumatic tools  
 Metal processing  
 Mining  
 Oil & Gas

- Offshore applications  
 - Pipeline checking/cleaning  
 - Other applications  
 Power distribution  
 Power generation  
 - Diesel gen-sets  
 - Fossil fuels  
 - Nuclear  
 - Renewables  
 Rubber & plastics  
 Other industry sectors

## MARKET SEGMENTATIONS

# Motor-driven Equipment Research Package

### FANS & BLOWERS DATABASE - PRODUCT DATA DETAIL

#### INDUSTRIAL FANS

Axial Fans  
 - Circulating Fans  
 - Tube Axial  
 - Panel Prop  
 - Vane Axial  
 Mixed-flow/Centrifugal In-line  
 Centrifugal Fans  
 - Housed – Backward Inclined  
 - Housed – Forward Curved  
 - Housed – Radial  
 - Unhoused  
 Powered Roof/Wall Ventilators  
 - Axial  
 - Centrifugal HRV/ERV  
 Blowers

#### COMMERCIAL HVAC FANS

Air Curtains  
 Blowers  
 Axial Fans  
 - Circulating Fans  
 - Tube Axial  
 - Panel Prop  
 -Vane Axial  
 Centrifugal Fans  
 - Housed – Backward Inclined  
 - Housed – Forward Curved  
 - Unhoused  
 Mixed-flow/Centrifugal In-line  
 Powered Roof/Wall Ventilators  
 - Axial  
 - Centrifugal HRV/ERV

#### RESIDENTIAL HVAC FANS

Axial Fans  
 - Circulating Fans  
 - Tube Axial  
 - Panel Prop  
 Centrifugal Fans  
 - Housed – Backward Inclined  
 - Housed – Forward Curved  
 - Unhoused  
 Powered Roof/Wall Ventilators  
 - Axial  
 - Centrifugal HRV/ERV

#### EMEA

Africa  
 Central & E. Europe  
 France  
 Germany  
 Italy  
 Nordic Countries  
 Middle East

Russian Fed. & CIS  
 Spain & Portugal  
 Switzerland  
 Turkey  
 UK & Ireland  
 Rest of Europe

#### AMERICAS

Brazil  
 Canada  
 Mexico  
 United States  
 Rest of Latin America

#### APAC

Australia  
 China  
 India  
 Japan  
 South Korea  
 Rest of Asia

#### INDUSTRY SECTOR

Chemicals & Petrochemicals  
 Food, Beverage, & Tobacco  
 Information Technology  
 Lighting  
 Medical  
 Metals Processing  
 Mining  
 - Dust Control

- Main Ventilation/Exhaust  
 - Process Applications  
 - Underground Ventilation  
 Oil & Gas  
 - API certified  
 - Non-API certified  
 Power Generation  
 - Booster Fans  
 - Draft Fans

- Primary Air  
 - Recirculation  
 - Other Applications  
 Pulp & Paper  
 Photovoltaic Inverters  
 Telecommunications  
 Water Treatment

#### SALES CHANNEL

Via Distribution  
 Direct to System  
 Integrator

Direct to End-User  
 Direct to OEM

#### ADDITIONAL SEGMENTATIONS

By Sales Package  
 By Drive Type  
 By Fan Diameter  
 By Power Rating  
 By Commercial HVAC Applications  
 By Residential HVAC Applications

# LEAD ANALYSTS

## **Preston Reine**

Preston is a group manager in the Manufacturing Technology group. His areas of expertise include motors and motor-driven systems such as pump, fan and compressor applications. Since 2012, Preston has contributed to the broadening of IHS Markit's coverage into intricate motor and motor system applications. Additionally, Preston engages with other IHS Markit economic groups in order to bring to our customers a deeper understanding of the crucial trends occurring in numerous verticals that shape the global environment. Preston holds a BBS in Finance from Saint Edward's University and currently works in the Austin, TX office.

## **Joanne Goh**

Joanne Goh is a Research Analyst in the Manufacturing Technology group at IHS Markit. Her focus areas are motor systems and motor-driven equipment across all major verticals. She holds a Bachelor's degree with Honors in Biotechnology from UCSI University, Malaysia. She is fluent in Mandarin, English and Malay.

## **Kevin Schiller**

Kevin Schiller is a senior analyst within the Electric Motor Systems group at IHS Markit. His research coverage includes low-voltage and medium-voltage motor drives and low-voltage motor control centers & soft starters. Kevin possesses over six years of experience in syndicated and custom market research experience and holds a BA in sociology and BA in psychology from the University of Texas at Austin. He is based in the company's Austin, TX, US office.

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