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

<table>
<thead>
<tr>
<th>BENEFITS</th>
<th>TIMELINE FOR DELIVERY</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Comprehensive market statistics by region and country</td>
<td>November 2016: Positive Displacement Pumps, Fans &amp; Blowers</td>
</tr>
<tr>
<td>• Competitive market shares (global and by major region)</td>
<td>November 2017: Centrifugal Pumps</td>
</tr>
<tr>
<td>• Vast number of segmentations, including: driver technology, power rating, sales channel, product type, industry, application, maximum pressure and design technology</td>
<td>November 2018: Industrial Air &amp; Gas Compressors</td>
</tr>
<tr>
<td>• Insight on the impact of product developments, government legislation and economic climate</td>
<td>Deliverables for each database include: Excel based data sets, PDF trends analysis and access</td>
</tr>
<tr>
<td>• 5-year forecast</td>
<td></td>
</tr>
</tbody>
</table>
## MARKET SEGMENTATIONS

**Motor-driven Equipment Research Package**

### CENTRIFUGAL PUMPS DATABASE - PRODUCT DATA DETAIL

<table>
<thead>
<tr>
<th>PRODUCT TYPE</th>
<th>OUTPUT POWER</th>
<th>ADDITIONAL SEGMENTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Stage Single Entry</td>
<td>1 – 2.0 HP (.75 – 1.5kW)</td>
<td>By Sub Product</td>
</tr>
<tr>
<td>- Closed Coupled</td>
<td>3 – 5.5 HP (2.25 – 4.13 kW)</td>
<td>By Standards Compliance</td>
</tr>
<tr>
<td>- Long Coupled</td>
<td>7.5 – 10 HP (5.62 – 7.5 kW)</td>
<td>By Configuration</td>
</tr>
<tr>
<td>Single Stage</td>
<td>15 – 50 HP (11.25 – 37.5 kW)</td>
<td></td>
</tr>
<tr>
<td>- Double Suction</td>
<td>60 – 150 HP (45 – 112.5 kW)</td>
<td></td>
</tr>
<tr>
<td>- In-line</td>
<td>200 – 500 HP (150 – 375 kW)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;500 ( &gt;376 kW)</td>
<td></td>
</tr>
<tr>
<td>Multistage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Well Pumps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submersible Motor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Booster Sets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line Shaft Turbines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sewage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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

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

**Motor-driven Equipment Research Package**

### POSITIVE DISPLACEMENT PUMPS DATABASE - PRODUCT DATA DETAIL

<table>
<thead>
<tr>
<th>PRODUCT TYPE</th>
<th>OUTPUT POWER</th>
<th>ADDITIONAL SEGMENTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metering pumps</td>
<td>1 – 2.0 HP (.75 – 1.5kW)</td>
<td>By Sub Product</td>
</tr>
<tr>
<td>Rotary Pumps</td>
<td>3 – 5.5 HP (2.25 – 4.13 kW)</td>
<td>By Standards Compliance</td>
</tr>
<tr>
<td>Gear</td>
<td>7.5 – 10 HP (5.62 – 7.5 kW)</td>
<td>By Configuration</td>
</tr>
<tr>
<td>Screw</td>
<td>15 – 50 HP (11.25 – 37.5 kW)</td>
<td></td>
</tr>
<tr>
<td>Moving Vane</td>
<td>60 – 150 HP (45 – 112.5 kW)</td>
<td></td>
</tr>
<tr>
<td>Peristaltic</td>
<td>200 – 500 HP (150 – 375 kW)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;500 ( &gt;376 kW)</td>
<td></td>
</tr>
</tbody>
</table>

### ADDITIONAL SEGMENTATIONS

- By Sub Product
- By Standards Compliance
- By Configuration

### MARKET SEGMENTATIONS

#### EMEA

<table>
<thead>
<tr>
<th>Region</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>Middle East</td>
</tr>
<tr>
<td>Austria</td>
<td>Poland</td>
</tr>
<tr>
<td>Benelux</td>
<td>Russian Fed. &amp; CIS</td>
</tr>
<tr>
<td>Central &amp; E. Europe</td>
<td>Spain &amp; Portugal</td>
</tr>
<tr>
<td>France</td>
<td>Switzerland</td>
</tr>
<tr>
<td>Germany</td>
<td>Turkey</td>
</tr>
<tr>
<td>Italy</td>
<td>UK &amp; Ireland</td>
</tr>
<tr>
<td>Nordic Countries</td>
<td></td>
</tr>
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</table>

#### AMERICAS

<table>
<thead>
<tr>
<th>Region</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brazil</td>
<td>Canada</td>
</tr>
<tr>
<td></td>
<td>Mexico</td>
</tr>
<tr>
<td>United States</td>
<td>Rest of Latin America</td>
</tr>
</tbody>
</table>

#### APAC

<table>
<thead>
<tr>
<th>Region</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>China</td>
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<tr>
<td></td>
<td>India</td>
</tr>
<tr>
<td></td>
<td>Japan</td>
</tr>
<tr>
<td></td>
<td>South Korea</td>
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<tr>
<td></td>
<td>Taiwan</td>
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<tr>
<td></td>
<td>Thailand</td>
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<tr>
<td></td>
<td>Thailand</td>
</tr>
<tr>
<td></td>
<td>Rest of Asia</td>
</tr>
</tbody>
</table>

#### SALES CHANNEL

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

#### INDUSTRY SECTOR

<table>
<thead>
<tr>
<th>Chemicals</th>
<th>Municipal Water</th>
<th>Other Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Chemical Process</td>
<td>- Rain Water</td>
<td>- Offshore</td>
</tr>
<tr>
<td>- Clear Liquids</td>
<td>- Wastewater</td>
<td>Pharmaceuticals</td>
</tr>
<tr>
<td>- Water and Wastewater</td>
<td>- Desalination</td>
<td>Power Generation (Fossil Fuels)</td>
</tr>
<tr>
<td>- Other Applications</td>
<td>- Water Intake</td>
<td>- Ash / Fad Pumps</td>
</tr>
<tr>
<td>Commercial Buildings</td>
<td>- Water Distribution</td>
<td>- Boiler Feed</td>
</tr>
<tr>
<td>- HVAC</td>
<td>- Other Application</td>
<td>- Cooling Water</td>
</tr>
<tr>
<td>- Pressure Boosting</td>
<td></td>
<td>- Other Applications</td>
</tr>
<tr>
<td>- Wastewater</td>
<td></td>
<td>Power Generation (Nuclear)</td>
</tr>
<tr>
<td>- Water Supply</td>
<td></td>
<td>Power Generation (Renewables)</td>
</tr>
</tbody>
</table>

- Other Applications: Food & Beverage, Marine, Metal Manufacturing, Mining, Dewatering, Slurry, Jetting, Water / Wastewater treatment, Other Application, Oil & Gas, Onshore Upstream, Onshore Midstream, Onshore Downstream, Pulp & Paper
# 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
- 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
- CO2/N2 injection
- Gas gathering
- Gas lift
- Gas processing

**Air Compression**
- Re-injection
- Midstream
- Gas storage
- LNG processing
- Pipelines
- Downstream
- Refineries
- Petrochemicals
- Power distribution
- Power generation
- Acid Gas, CO2
- Fuel gas booster
- IGCC: Nitrogen
- IGCC Syngas
- Steel

- 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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