The New World Largest Canned Motor Pump is Born.....

Litre Large Flow-rate & High-Pressure-Resistant

Now our canned motor pump can cater up to 300m³/hr in capacity and 1750m³/hr in design pressure. For complete details, please consult us.

Supersize Canned Motor Series

Supersize Canned Motor Series

The world’s largest Canned Motor Pump

Compliant to International Ex-proof Standard (ATEX)

As well as smaller size models, it can comply with the global ATEX safety standards.

Teikoku’s Excellent THG is standardized

As electric, bearingless canned motor, Teikoku Hybrid Guarden (THG) which inserts both in bearings, radial & seal running wear level at real-time base and enables remote monitoring & control by the output control signal is equipped as standard.

Plant & Business Headquarters
Head Office, Teikoku Electric Mfg Co., Ltd (Japan)

International Business Headquarters

Regus, Suite 1000
Singapore 179096

Phone: +65-8915-9090
Fax: +65-8915-9090

E-mail: sales@teikoku.com.sg
Web: www.teikoku.com.sg

Pumps & Systems

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED

TEIKOKU Group Global Network

TEIKOKU Electric Mfg Co., Ltd (Japan)

P.O.BOX 50918
Singapore 919100

Phone: +65-8915-9111
Fax: +65-8915-9110

E-mail: info@teikoku.com.sg
Web: www.teikoku.com.sg

TEIKOKU USA INC & CHEMIPUMP Co., (North & South America)

TEIKOKU USA INC
7039 Empire Central Dr. Houston, TX 77040-2114
Phone: +1-713-663-1000
Fax: +1-713-663-1030
E-mail: info@teikokuusa.com
Web: www.teikokuusa.com

CHEMIPUMP Co.
399 Kearny Rd., Mountainside, NJ 07092
Phone: +1-908-355-4994
Fax: +1-201-440-1077
E-mail: chemipump@chemipump.com
Web: www.chemipump.com

TEIKOKU Electric GmbH (Europe)
Nauherberger Strasse 20, D-40597 Dusseldorf, Germany
Phone: +49-211-780-0766
Fax: +49-211-780-1011
E-mail: info@teikoku.de
Web: www.teikoku.de

DALLAN TEIKOKU CANNED MOTOR PUMP CO., LTD (China)

地址: 深圳市 Nairobi Park Area, Box 10136, Shanghai, China
Phone: +86-21-6210-7677
Fax: +86-21-6210-7678
E-mail: sales@teikoku.com
Web: www.teikoku.com

DALIAN TEIKOKU CANNED MOTOR PUMP CO., LTD (China)

地址: 深圳市 Nairobi Park Area, Box 10136, Shanghai, China
Phone: +86-21-6210-7677
Fax: +86-21-6210-7678
E-mail: sales@teikoku.com
Web: www.teikoku.com

TEIKOKU KOREA CO, LTD.

2F Human Tower Annex HIII, #730
Haneum-dong, Yeongdeungpo-gu, Seoul, Korea
Phone: +82-2-730-7012
Fax: +82-2-730-7015
E-mail: info@teikoku.co.kr
Web: www.teikoku.co.kr

TEIKOKU SOUTH ASIA PTE LTD

Office 5F, No. 5, Joy Keon Crescent, Singapore 229015
Phone: +65-8411-1211
Fax: +65-8411-1212
E-mail: info@teikoku-sa.com
Web: www.teikoku-sa.com

TAIWAN TEIKOKU PUMP CO., LTD

3F House No.3, Jincheng Rd., Zhonghua District, Taiwan City 104, Taiwan, R.O.C.
Phone: +886-2-2577-8889
Fax: +886-2-2577-8890
E-mail: sales@teikoku.tw
Web: www.teikoku.tw

Catalog No: CAT-006110-01
Supersize Canned Motor Series

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED

The world’s largest Canned Motor Pump

Ultralarge flow-rate & High-pressure Resistant
Now our canned motor pump can carry up to 175m³/h at high pressure up to 17MPa by design pressure. For your product design, please consult us.

Supersize Canned Motor Series
World’s Leading Manufacturer of Canned Motor Pumps

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED

Canned Motor Pumps

Supersize Canned Motor Series

The New World Largest Canned Motor Pump is Born.....
Pump Performance Curve 50Hz 115Vpm S.S./V.A. ±10%  

<table>
<thead>
<tr>
<th>Capacity (L/min)</th>
<th>300</th>
<th>600</th>
<th>900</th>
<th>1200</th>
<th>1500</th>
<th>1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Total Head (m)  

<table>
<thead>
<tr>
<th>Total Head</th>
<th>100</th>
<th>120</th>
<th>160</th>
<th>180</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Pump Performance Curve 50Hz 115Vpm S.S./V.A. ±10%  

<table>
<thead>
<tr>
<th>Capacity (L/min)</th>
<th>300</th>
<th>600</th>
<th>900</th>
<th>1200</th>
<th>1500</th>
<th>1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Total Head (m)  

<table>
<thead>
<tr>
<th>Total Head</th>
<th>100</th>
<th>120</th>
<th>160</th>
<th>180</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

4-Poles HV Motors (3000～4600V)  

<table>
<thead>
<tr>
<th>Motor Frame No.</th>
<th>112T</th>
<th>225T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power (kW)</td>
<td>306</td>
<td>306</td>
</tr>
<tr>
<td>Capacity (L/min)</td>
<td>300</td>
<td>600</td>
</tr>
<tr>
<td>Ex. T/C</td>
<td>Ex. T/Y</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>H</td>
<td>F</td>
</tr>
<tr>
<td>110</td>
<td>110</td>
<td></td>
</tr>
<tr>
<td>120</td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>

50Hz 140Vpm S.S./V.A. ±10%  

<table>
<thead>
<tr>
<th>Capacity (L/min)</th>
<th>300</th>
<th>600</th>
<th>900</th>
<th>1200</th>
<th>1500</th>
<th>1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Total Head (m)  

<table>
<thead>
<tr>
<th>Total Head</th>
<th>100</th>
<th>120</th>
<th>160</th>
<th>180</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Supersize canned Motors’ Specifications  

2-Poles LV Motors (380～460V)  

<table>
<thead>
<tr>
<th>Motor Frame No.</th>
<th>28/11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power (kW)</td>
<td>50Hz</td>
</tr>
<tr>
<td>Capacity (L/min)</td>
<td>300</td>
</tr>
<tr>
<td>Ex. T/C</td>
<td>Ex. T/Y</td>
</tr>
<tr>
<td>F</td>
<td>H</td>
</tr>
<tr>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>120</td>
<td>120</td>
</tr>
</tbody>
</table>

Pump Performance Curve 60Hz 50Hz  

<table>
<thead>
<tr>
<th>Capacity (L/min)</th>
<th>300</th>
<th>600</th>
<th>900</th>
<th>1200</th>
<th>1500</th>
<th>1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Total Head (m)  

<table>
<thead>
<tr>
<th>Total Head</th>
<th>100</th>
<th>120</th>
<th>160</th>
<th>180</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>273</td>
<td>273</td>
<td>273</td>
<td>273</td>
</tr>
<tr>
<td>120</td>
<td>306</td>
<td>306</td>
<td>306</td>
<td>306</td>
</tr>
</tbody>
</table>

Specifications - General  

Applicable Pump Models  

F (Basic Design)  

- High Temperature Isolation Type:

- T.D.A: Max 1500 m

- Handling Fluid: Not more than 100 cSt (1 x 10^-6 m^2/s)

- Motor Output: Max 550 kW

- Power Source: 3Φ～50/60 Hz～380～460 V

- Insulation Class: H.V.

- Explosion Proof: ATEX 1G 2 T 3 G & 4

- Standard Material:

- Main Material: SUS304, SUS316

- Carbon Graphite

- Shaft Seals: graphite

- Other Wetted Parts: SUS304, SUS316

- Non-Wetted Parts: SS, FC, etc.

- Besides the above-listed, other corrosion resistant alloy such as SUS304L, SUS316L, or other highnickel-content one is also available.
### 2-Poles LV Motors (380~460V)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>224</td>
<td>218</td>
<td>300</td>
<td>380-460V</td>
</tr>
<tr>
<td>110</td>
<td>224</td>
<td>224</td>
<td>180</td>
<td>460V</td>
</tr>
<tr>
<td>120</td>
<td>240</td>
<td>224</td>
<td>219</td>
<td>600</td>
</tr>
<tr>
<td>130</td>
<td>240</td>
<td>279</td>
<td>219</td>
<td>900</td>
</tr>
<tr>
<td>140</td>
<td>279</td>
<td>314</td>
<td>219</td>
<td>1200</td>
</tr>
<tr>
<td>150</td>
<td>314</td>
<td>330</td>
<td>300</td>
<td>1500</td>
</tr>
<tr>
<td>160</td>
<td>314</td>
<td>330</td>
<td>300</td>
<td>1800</td>
</tr>
</tbody>
</table>

### 4-Poles LV Motors (380~460V)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>300</td>
<td>300</td>
<td>600</td>
<td>380-460V</td>
</tr>
<tr>
<td>350</td>
<td>350</td>
<td>350</td>
<td>460V</td>
<td>460V</td>
</tr>
<tr>
<td>400</td>
<td>400</td>
<td>400</td>
<td>900</td>
<td>460V</td>
</tr>
<tr>
<td>450</td>
<td>450</td>
<td>450</td>
<td>1200</td>
<td>460V</td>
</tr>
<tr>
<td>500</td>
<td>500</td>
<td>500</td>
<td>1500</td>
<td>460V</td>
</tr>
<tr>
<td>550</td>
<td>550</td>
<td>550</td>
<td>1800</td>
<td>460V</td>
</tr>
</tbody>
</table>

### 2-Poles HV Motors (3000~4600V)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>48</td>
<td>44</td>
<td>300</td>
<td>3000</td>
</tr>
<tr>
<td>160</td>
<td>53</td>
<td>53</td>
<td>45</td>
<td>3800</td>
</tr>
<tr>
<td>190</td>
<td>58</td>
<td>58</td>
<td>65</td>
<td>4600</td>
</tr>
<tr>
<td>220</td>
<td>74</td>
<td>63</td>
<td>90</td>
<td>6000</td>
</tr>
<tr>
<td>250</td>
<td>84</td>
<td>78</td>
<td>120</td>
<td>8000</td>
</tr>
<tr>
<td>315</td>
<td>103</td>
<td>97</td>
<td>180</td>
<td>1200</td>
</tr>
<tr>
<td>350</td>
<td>116</td>
<td>106</td>
<td>250</td>
<td>1500</td>
</tr>
<tr>
<td>400</td>
<td>138</td>
<td>118</td>
<td>350</td>
<td>2000</td>
</tr>
<tr>
<td>550</td>
<td>168</td>
<td>153</td>
<td>500</td>
<td>3000</td>
</tr>
</tbody>
</table>

### Specifications - General

- **Applicable Pump Models:** F (Basic Design) 
- **High Temperature Isolation Type:** F
- **Pump Rate:** Max 25 m³/min
- **T.D.A:** Max 150 m
- **Design Pressure:** Max 1.7 MPa
- **Max 350°C:**
- **Handling Fluid:** Not more than 100 cat (1 x 10⁻⁶/cm²/h)
- **Motor Output:** Max 550 kW
- **Power Source:** 380~500/60 Hz ~ 380~460 V
- **Voltage:** L.V.
- **Insulation Class:** H.V.
- **Explosion Proof:** A.T.E.C 3 & 4
- **Proof Structure:** 2 2 3 3 & 4
- **Applicable Protection:** T H G (Wearing/ Wear Monitoring Device) 
- **R.D.T:** (P11 DD)

### Standard Material

- **Main Material:**
  - SUS304
  - SUS316

- **Main Material:**
  - SUS304

- **Carbon Graphite**

- **Shaft Seals Thrust Wheel:**
  - SUS 316 + Steel

- **Non-Wetted Parts:**
  - SS, FC, etc.

---

**Note:** Please consult the catalog for more detailed specifications. The above information is for reference only, and may be subject to change. Please check the latest catalog for the most accurate data.
### 2-Poles LV Motors (380〜460V)

- **Motor Frame No.**
- **Rated Power (kW)**
- **Rated Current (A)**
- **Permissible Liquid Temperature (°C)**
- **Cert. Number**

<table>
<thead>
<tr>
<th>Motor Frame No.</th>
<th>Rated Power (kW)</th>
<th>Rated Current (A)</th>
<th>Permissible Liquid Temperature (°C)</th>
<th>Cert. Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>2.2</td>
<td>31.5</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>2.2</td>
<td>33.9</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>132</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>132</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>132</td>
<td></td>
</tr>
</tbody>
</table>

### 4-Poles HV Motors (3000〜4600V)

- **Motor Frame No.**
- **Rated Power (kW)**
- **Rated Current (A)**
- **Permissible Liquid Temperature (°C)**
- **Cert. Number**

<table>
<thead>
<tr>
<th>Motor Frame No.</th>
<th>Rated Power (kW)</th>
<th>Rated Current (A)</th>
<th>Permissible Liquid Temperature (°C)</th>
<th>Cert. Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1123</td>
<td>42.0</td>
<td>72.6</td>
<td>1123</td>
<td></td>
</tr>
<tr>
<td>1123</td>
<td>42.0</td>
<td>72.6</td>
<td>1123</td>
<td></td>
</tr>
<tr>
<td>1123</td>
<td>42.0</td>
<td>72.6</td>
<td>1123</td>
<td></td>
</tr>
<tr>
<td>1123</td>
<td>42.0</td>
<td>72.6</td>
<td>1123</td>
<td></td>
</tr>
<tr>
<td>1123</td>
<td>42.0</td>
<td>72.6</td>
<td>1123</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** Please consult the above-mentioned voltage range. 

---

### Specifications - General

- **Applicable Pump Models:** F (Basic Design)
- **Operating Temperature:** Max 300 °C
- **Handling Fluid:** 
  - **Visc.** Not more than 100 cP
  - **Density** 1 g/cm³
- **Motor Output:** Max 550 kW
- **Power Source:** 380〜460 V
- **Insulation Class:** H, 220
- **Explosion Proof:** II 3 G 35 & 4
- **Approvals:** TFG (Bearing/ Wear Monitoring Device) / T E (IP12/DD)

---

### Pump Performance Curve

- **Motor Frame No.**
- **Rated Power (kW)**
- **Rated Current (A)**
- **Permissible Liquid Temperature (°C)**
- **Cert. Number**

<table>
<thead>
<tr>
<th>Motor Frame No.</th>
<th>Rated Power (kW)</th>
<th>Rated Current (A)</th>
<th>Permissible Liquid Temperature (°C)</th>
<th>Cert. Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>2.2</td>
<td>31.5</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>2.2</td>
<td>33.9</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>105</td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>4.0</td>
<td>43.6</td>
<td>105</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** Please consult the above-mentioned voltage range.
The New World Largest Canned Motor Pump is Born...