**Test Report**

**Serial No.:** 3GF11091072  
**Type:** M3JP 132SMD 2 IMB3/IM1001  
**Product Code:** 3GJP131240-ADH  
**Protection type:** Ex d IIB T4 Gb  
**Cert. No.:** LCIE 10 ATEX 3093X / IECEx LCI 04.0009X

**Rating:**

<table>
<thead>
<tr>
<th></th>
<th>V</th>
<th>Hz</th>
<th>kW</th>
<th>r/min</th>
<th>A</th>
<th>cos ϕ</th>
<th>Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Motor</td>
<td>690</td>
<td>Y</td>
<td>50</td>
<td>7,5</td>
<td>2914</td>
<td>8</td>
<td>0,90</td>
</tr>
<tr>
<td>Insul.cl.F</td>
<td>400</td>
<td>D</td>
<td>50</td>
<td>7,5</td>
<td>2914</td>
<td>13,6</td>
<td>0,90</td>
</tr>
<tr>
<td>IP55</td>
<td>415</td>
<td>D</td>
<td>50</td>
<td>7,5</td>
<td>2921</td>
<td>13,2</td>
<td>0,89</td>
</tr>
</tbody>
</table>

Eff class IE2: 50Hz : IE2 - 88.3(100%) - 88.7(75%) - 87.6(50%)

**Resistance**

| Line | Ambient: 21,5 °C | Uₜ - Vₜ | 1,00760 Ω | Uₜ - Wₜ | 1,00570 Ω | Vₜ - Wₜ | 1,00710 Ω |
|---|---|---|---|---|---|---|

**Insulation resistance at 27,5 °C Overload**

<table>
<thead>
<tr>
<th>Line</th>
<th>Ambient: 30000 MΩ</th>
<th>1000 V</th>
<th>Torque 160 % 15s</th>
</tr>
</thead>
</table>

**High-voltage test winding 2900 V 1 s**

**Test Torque Line Input Output**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No load test</td>
<td>400,0</td>
<td>D</td>
<td>50</td>
<td>4,53</td>
<td>0,38</td>
<td>2998</td>
<td>0,12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locked rotor test</td>
<td>57,6</td>
<td>D</td>
<td>50</td>
<td>13,6</td>
<td>0,75</td>
<td>0</td>
<td>0,55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal test (100% load)</td>
<td>24,6</td>
<td>400,1</td>
<td>D</td>
<td>50</td>
<td>13,7</td>
<td>8,49</td>
<td>7,50</td>
<td>2913</td>
<td>0,90</td>
</tr>
<tr>
<td>Partial load points:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>~75% load</td>
<td>18,4</td>
<td>400,0</td>
<td>D</td>
<td>50</td>
<td>10,6</td>
<td>6,32</td>
<td>5,62</td>
<td>2942</td>
<td>0,86</td>
</tr>
<tr>
<td>~50% load</td>
<td>12,3</td>
<td>400,0</td>
<td>D</td>
<td>50</td>
<td>7,86</td>
<td>4,27</td>
<td>3,75</td>
<td>2965</td>
<td>0,78</td>
</tr>
<tr>
<td>~25% load</td>
<td>6,1</td>
<td>400,0</td>
<td>D</td>
<td>50</td>
<td>5,64</td>
<td>2,29</td>
<td>1,87</td>
<td>2983</td>
<td>0,59</td>
</tr>
</tbody>
</table>

**Temperature rise at rated load.**

<table>
<thead>
<tr>
<th>Method</th>
<th>[°C]</th>
<th>[K]</th>
<th>Stator winding :</th>
<th>45,0</th>
<th>1</th>
<th>1 Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame :</td>
<td>17,7</td>
<td>2</td>
<td>2 Thermometer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bearing D-end :</td>
<td>31,2</td>
<td>2</td>
<td>3 Thermocouples</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rotor :</td>
<td>61,4</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temperature :</td>
<td>25,0</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1.**

**PLL determined from residual loss.**

**On behalf of customer**

<table>
<thead>
<tr>
<th>Date of test</th>
<th>17.2.2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>+358 10 2211</td>
</tr>
<tr>
<td>Telefax</td>
<td>+358 10 22 47372</td>
</tr>
</tbody>
</table>

**Tested by ABB Oy, Motors and Generators, Vaasa, Finland**

Computer print-out valid without signature.