GENESYS™ 5kW

EMI

DATA

<table>
<thead>
<tr>
<th>APPD</th>
<th>CHK</th>
<th>DWG</th>
</tr>
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<tbody>
<tr>
<td>16/10/17</td>
<td>Yamii 10/10/2017</td>
<td>Yamii 10/10/2017</td>
</tr>
</tbody>
</table>

TDK-LAMBDA
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1. TEST METHOD  ____________________________________________ R-1
2. TEST DATA
   2-1. Conducted emission  ___________________________ R2
   2-2. Radiated emission  ___________________________ R10

The above data is typical value data.
The values are considered to be actual capability data.
1. Test Method

(1) Conducted Emission

![Shielded room diagram](image)

- **EMI TEST RECEIVER**: ESPI (ROHDE & SCHWARZ)
- **LISN**: ENV4200 (ROHDE & SCHWARZ)

(2) Radiated Emission

![Radiated emission setup](image)

- **SPECTRUM ANALYZER**: MS2601A (ANRITSU)
- **EMI TEST RECEIVER**: 85462A (HEWLETT. PACKARD)
- **BICONICAL ANTENNA**: 3110BA30/200 (EMCO)
- **LOG-PERIODIC ANTENNA**: LP200000 (ELECTROMETRIX)
- **LPA2530** (ELECTROMETRIX)
2. Test Data

2.1 Conducted Emission

MODEL: G10-500 3P200

(1) Test condition

Input voltage/frequency: 3PHASE 200VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class A, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L1</td>
<td>1.80300</td>
<td>46.51</td>
<td>60.00</td>
<td>13.49</td>
</tr>
<tr>
<td>L2</td>
<td>1.75700</td>
<td>51.07</td>
<td>60.00</td>
<td>8.93</td>
</tr>
<tr>
<td>L3</td>
<td>1.75700</td>
<td>50.03</td>
<td>60.00</td>
<td>9.97</td>
</tr>
</tbody>
</table>

FCC Class A, IEC61204-3
EMI
Electro-Magnetic Interference characteristics

**MODEL: G10-500 3P200**

Conditions: Vin: 3PHASE 200VAC
Iout: 100%
Vout: 100%
Ta: 25°C

**Phase L1**

EN55022-A (QP)
EN55022-A (AV)
FCC Class A

**Phase L2**

EN55022-A (QP)
EN55022-A (AV)
FCC Class A

**Phase L3**

EN55022-A (QP)
EN55022-A (AV)
FCC Class A

**TDK-LAMBDA**
2. Test Data

2.1 Conducted Emission

<table>
<thead>
<tr>
<th>MODEL: G10-500 3P400</th>
</tr>
</thead>
</table>

(1) Test condition

Input voltage/frequency: 3PHASE 400VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
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<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L1</td>
<td>9.09594</td>
<td>42.88</td>
<td>50.00</td>
<td>7.12</td>
</tr>
<tr>
<td>L2</td>
<td>9.09594</td>
<td>39.88</td>
<td>50.00</td>
<td>10.12</td>
</tr>
<tr>
<td>L3</td>
<td>9.09594</td>
<td>36.80</td>
<td>50.00</td>
<td>13.20</td>
</tr>
</tbody>
</table>
EMI
Electro-Magnetic Interference characteristics

MODEL: G10-500 3P400

Conditions: Vin: 3PHASE 400VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Phase L1

Phase L2

Phase L3

EN55022-B (QP)
EN55022-B (AV)
FCC Class B
2. Test Data

2.1 Conducted Emission

<table>
<thead>
<tr>
<th>MODEL: G600-8.5 3P200</th>
</tr>
</thead>
</table>

(1) Test condition

Input voltage/frequency: 3PHASE 200VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class A, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

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<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L1</td>
<td>2.70000</td>
<td>51.26</td>
<td>60.00</td>
<td>8.74</td>
</tr>
<tr>
<td>L2</td>
<td>2.70000</td>
<td>51.12</td>
<td>60.00</td>
<td>8.88</td>
</tr>
<tr>
<td>L3</td>
<td>2.32000</td>
<td>49.94</td>
<td>60.00</td>
<td>10.06</td>
</tr>
</tbody>
</table>
EMI
Electro-Magnetic Interference characteristics

MODEL: G600-8.5 3P200

Conditions: Vin: 3PHASE 200VAC
            Iout: 100%
            Vout: 100%
            Ta: 25°C

Phase L1

EN55022-A (QP)
EN55022-A (AV)
FCC Class A

Phase L2

EN55022-A (QP)
EN55022-A (AV)
FCC Class A

Phase L3

EN55022-A (QP)
EN55022-A (AV)
FCC Class A
2. Test Data

2.1 Conducted Emission

MODEL: G600-8.5 3P400

(1) Test condition

- Input voltage/frequency: 3PHASE 400VAC/50Hz
- Output current: 100%
- Output voltage: 100%
- Ambient temperature: 25°C
- Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

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</thead>
<tbody>
<tr>
<td>L1</td>
<td>18.56858</td>
<td>45.60</td>
<td>50.00</td>
<td>4.40</td>
</tr>
<tr>
<td>L2</td>
<td>18.56858</td>
<td>41.23</td>
<td>50.00</td>
<td>8.77</td>
</tr>
<tr>
<td>L3</td>
<td>14.02177</td>
<td>42.65</td>
<td>50.00</td>
<td>7.35</td>
</tr>
</tbody>
</table>
EMI
Electro-Magnetic Interference characteristics

**MODEL: G600-8.5 3P400**

Conditions:
- Vin: 3PHASE 400VAC
- Iout: 100%
- Vout: 100%
- Ta: 25°C

Phase L1

Phase L2

Phase L3

EN55022-A (QP)

EN55022-A (AV)

FCC Class A

FCC Class A

FCC Class A
EMI
Electro-Magnetic interference characteristics

MODEL: G10-500 3P200

Conditions: Vin: 200Vac (L-L)
Vout: 100%
Iout: 100%
Ta: 25°C

HORIZONTAL

Frequency (MHz)
Level (dBuV/m)

VERTICAL

Frequency (MHz)
Level (dBuV/m)
EMI
Electro-Magnetic interference characteristics

MODEL: G10-500 3P400

Conditions: Vin: 400Vac (L-L)
Vout: 100%
Iout: 100%
Ta: 25°C

HORIZONTAL

FCC ClassA
EN55022A

VERTICAL

FCC ClassA
EN55022A
EMI
Electro-Magnetic interference characteristics

**MODEL: G600-8.5 3P200**

Conditions: Vin: 200Vac (L-L)
Vout: 100%
Iout: 100%
Ta: 25°C

**HORIZONTAL**

**VERTICAL**
EMI
Electro-Magnetic interference characteristics

MODEL: G600-8.5 3P400

Conditions: Vin: 400Vac (L-L)
Vout: 100%
Iout: 100%
Ta: 25°C

FCC Class A
EN55022A

HORIZONTAL

VERTICAL

TDK-LAMBDA