Manufacturer’s statement
ACS880-01 and IE4 SynRM motor package efficiency

Drive: ACS880-01-025A-3
Motor: M3BL 160MLB, 3GBL162107-ASC, Pn 11 kW, 1000 rpm

<table>
<thead>
<tr>
<th>Speed</th>
<th>Speed rpm</th>
<th>P/Pn</th>
<th>Package efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 %**</td>
<td>500</td>
<td>13 %**</td>
<td>83.7 %</td>
</tr>
<tr>
<td>63 %</td>
<td>630</td>
<td>25 %</td>
<td>87.2 %</td>
</tr>
<tr>
<td>75 %</td>
<td>750</td>
<td>42 %</td>
<td>88.7 %</td>
</tr>
<tr>
<td>80 %</td>
<td>800</td>
<td>51 %</td>
<td>89.1 %</td>
</tr>
<tr>
<td>91 %</td>
<td>910</td>
<td>75 %</td>
<td>89.7 %</td>
</tr>
<tr>
<td>100 %**</td>
<td>1000</td>
<td>100 %**</td>
<td>89.9 %*</td>
</tr>
</tbody>
</table>

*Estimated tolerance according to IEC 60034-1:
≤150kW: 0.15 x (100 - package efficiency (%)) at the nominal point
>150kW: 0.10 x (100 - package efficiency (%)) at the nominal point

**Measurement points according to EN 50598-2 (will be published 2014)
Package efficiency [%] for applications with other load characteristics:

Points of measurement

Efficiency $\eta = \frac{P_2}{P_1}$

Efficiency measurements were made at:

<table>
<thead>
<tr>
<th>Location</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABB verification laboratory, Vaasa</td>
<td>X</td>
</tr>
<tr>
<td>ABB verification laboratory, Västerås</td>
<td></td>
</tr>
<tr>
<td>ABB verification laboratory, Helsinki</td>
<td></td>
</tr>
</tbody>
</table>