High voltage power capacitors are designed and manufactured by using latest technology and high quality materials. They have all-film dielectric and are impregnated with dielectric liquid which is biodegradable in environment. Each capacitor element has a separate internal fuse. In addition, each capacitor is provided with an internal discharge resistor.

All capacitors have low losses, and are constructed to be light in weight. The high voltage power capacitors comply with most national and international capacitor standards.
TECHNICAL DATA

Type: impregnated all-film dielectric
Rated frequency: 50 Hz or 60 Hz
Average losses: 0.08...0.15 W/kvar
Dielectric liquid: non-pcb
All-film dielectric: polypropylene
Temperature category: -40°C/C (+50°C)
Standards to be applied: IEC, BS
ANSI/IEEE, CSA
Standard colour: grey (RAL 7035)
Standard bushings:
- 125 kV BIL
- Creep 380 mm
- 150 kV BIL
- Creep 620 mm
- 200 kV BIL
- Creep 820 mm
Power range:
- 100...1000 kvar
Voltage range:
- 1000...14000 V (with internal fuses)
- above 14000 V (without internal fuses)

DIELECTRIC LIQUID

The dielectric liquid is specially made for power capacitors and it is chosen by Nokian Capacitors because of its excellent electrical properties and heat stability at both lower and elevated temperatures. It is non-pcb, non-chlorine and biodegradable.

- The capacitor units are equipped with weld type porcelain bushings.
- Capacitor containers are made of stainless steel and painted with suitable primer coat prior to finishing coat to ensure prolonged durability.
- Capacitors for specific purposes can be designed and manufactured to meet customers’ requirements.
- Fuseless/External fuse on request.
- Internal discharge resistor.

Dimensions (8000 V, 50 Hz)

<table>
<thead>
<tr>
<th>Type</th>
<th>Power kvar</th>
<th>Dimensions mm</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSLP/PILP</td>
<td>100</td>
<td>a 640 b 400 c 300 d 145</td>
<td>31</td>
</tr>
<tr>
<td>PSLP/PILP</td>
<td>200</td>
<td>a 780 b 540 c 440 d 145</td>
<td>40</td>
</tr>
<tr>
<td>PSLP/PILP</td>
<td>300</td>
<td>a 880 b 640 c 540 d 145</td>
<td>47</td>
</tr>
<tr>
<td>PSLP/PILP</td>
<td>400</td>
<td>a 960 b 740 c 640 d 145</td>
<td>53</td>
</tr>
<tr>
<td>TSHP/TILP</td>
<td>500</td>
<td>a 860 b 620 c 520 d 200</td>
<td>63</td>
</tr>
<tr>
<td>TSHP/TILP</td>
<td>600</td>
<td>a 960 b 720 c 620 d 200</td>
<td>71</td>
</tr>
<tr>
<td>TSHP/TILP</td>
<td>700</td>
<td>a 1080 b 840 c 740 d 200</td>
<td>81</td>
</tr>
<tr>
<td>TSHP/TILP</td>
<td>800</td>
<td>a 1180 b 940 c 840 d 200</td>
<td>89</td>
</tr>
</tbody>
</table>

In line with our policy of on-going product development we reserve the right to alter specifications.