**P 135**

Rotating Anode X-ray Tubes

**Data Sheet**

**Description**

The P 135 are rotating anode X-ray tubes for diagnostic applications in conventional or digital radiography systems.

They can be used in X-ray tube assemblies as well as in monoblocks.

Two types are available:
- P 135/20 with a maximum nominal power of 24 kW
- P 135/30R with a maximum nominal power of 34 kW.

**Technical Data**

<table>
<thead>
<tr>
<th>Product name</th>
<th>P 135/20</th>
<th>P 135/30R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Siemens part number</td>
<td>10664315</td>
<td>01158815</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>135 kV</td>
<td></td>
</tr>
<tr>
<td>Nominal voltage for fluoroscopy</td>
<td>125 kV</td>
<td>(IEC 60613:1989, IEC 60613:2010)</td>
</tr>
<tr>
<td>Nominal focal spot value</td>
<td>0.8</td>
<td>(IEC 60336:2005)</td>
</tr>
<tr>
<td>Nominal anode speed in rpm</td>
<td>4200</td>
<td>3000</td>
</tr>
<tr>
<td>Nominal anode input power (0.1 s / 75 W)</td>
<td>20 kW</td>
<td>17 kW</td>
</tr>
<tr>
<td>Nominal anode input power (0.1 s / 0 W)</td>
<td>24 kW</td>
<td>21 kW</td>
</tr>
<tr>
<td>Nominal radiographic anode input power</td>
<td>22 kW</td>
<td>19 kW</td>
</tr>
<tr>
<td>Filament heating</td>
<td>5.3 A</td>
<td>11.0 VAC</td>
</tr>
<tr>
<td>Anode angle</td>
<td>15°</td>
<td>IEC 60788:2004</td>
</tr>
<tr>
<td>Anode material</td>
<td>RT-TZM (Tungsten / Rhenium on a Molybdenum-Zirkonium-Titanium-alloy)</td>
<td></td>
</tr>
<tr>
<td>Anode diameter</td>
<td>60 mm / 2.36&quot;</td>
<td></td>
</tr>
<tr>
<td>Anode heat storage capacity</td>
<td>88 kJ / 124 kHU</td>
<td>(IEC 60613:1989)</td>
</tr>
<tr>
<td>Continuous anode input power</td>
<td>450 W</td>
<td>(IEC 60613:2010)</td>
</tr>
<tr>
<td>Radiation field at focus to film distance</td>
<td>37 cm at 70 cm</td>
<td>53 cm at 100 cm</td>
</tr>
<tr>
<td>Minimum inherent filtration equiv.</td>
<td>0.7 mm Al / 75 kV</td>
<td>(IEC 60601-1-3:2008)</td>
</tr>
<tr>
<td>Weight</td>
<td>≈ 1.2 kg</td>
<td>≈ 1.3 kg</td>
</tr>
<tr>
<td>Max. permissible oil temperature</td>
<td>75°C</td>
<td></td>
</tr>
</tbody>
</table>

1At 0.1 s pulse width and 75 W resp. 0 W average anode input power
P 135/20
Rotating Anode Tube
24 kW – 4200 rpm

P 135/20 DC single load ratings at 4200 rpm

P 135/20 DC single load ratings at 3000 rpm

P 135/30R
Rotating Anode Tube
34 kW – 9000 rpm

P 135/30R DC single load ratings at 9000 rpm

P 135/30R DC single load ratings at 3000 rpm
Creating values is our passion.
Efficiency is our nature.
Partnership is our way.

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Local Contact Information
Siemens Healthcare GmbH
Components & Vacuum Technology
Doris-Ruppenstein-Str. 4
91052 Erlangen
Germany
Phone: +49 9131 84-6911
siemens.com/oemproducts

Siemens Healthcare Headquarters
Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens.com/healthcare

Legal Manufacturer
Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany