The DU33100-E is a high-speed X-ray tube assembly, designed to improve workflow and accelerate image acquisition in heavily used radiography and fluoroscopy rooms with high peak power requirements. Its unique thermal management concept enables extraordinary patient throughput rates in combination with excellent reliability.

### KEY BENEFITS

**Improved workflow**
- Up to 120 exposures per hour without overheating
- Enables 4 accelerations per minute

**Convective air cooling**
- No additional cooling devices (e.g. fans/chillers) needed
### Specifications | DU33100-E
---|---
**Maximum Tube Voltage [kV]** | 150

**Focal Spots**
- Small Focus | 0.6
- Large Focus | 1.2

**Nominal Anode Input Power [kW]**
(High Speed 150Hz)
- Small Focus
  - equivalent anode input power 250 W: 30
  - equivalent anode input power 20 W: 33
- Large Focus
  - equivalent anode input power 250 W: 85
  - equivalent anode input power 20 W: 100

**Nominal Continuous Input Power for Assembly [W]** | 200

**Maximum Heat Content of Assembly [kHU]** | 2,046

**Maximum Permissible Rate of Start-Stop Cycles per Minute**
(Please note: this rate cannot be applied continuously without reaching critical housing temperature) | 4

**Nominal Anode Rotational Speed [rpm]** | 9,000

**Anode Angle** | 13°

**HV Cable Connection** | O3

---

**The DU33100-E is the most powerful unit in the Dunlee DU-E tube family.** DU-E X-ray tubes are designed to support workflows of 120 exposures per hour, for all kinds of radiographic applications. Even after eight hours of continual, consecutive examinations, fulfilling two exposures per minute, this tube assembly still reaches less than 90% of its heat storage capacity. This applies for radiographic chest examinations as well as for more demanding examination combinations which require more power, such as the pelvis or stitching images of the spine.

---

Contact us for further information.

Philips Medical Systems DMC GmbH
Tel.: +49 40 34971-1391
Röntgenstrasse 24 • 22335 Hamburg • Germany
dunlee.com

---

The DU33100-E is the most powerful unit in the Dunlee DU-E tube family. DU-E X-ray tubes are designed to support workflows of 120 exposures per hour, for all kinds of radiographic applications. Even after eight hours of continual, consecutive examinations, fulfilling two exposures per minute, this tube assembly still reaches less than 90% of its heat storage capacity. This applies for radiographic chest examinations as well as for more demanding examination combinations which require more power, such as the pelvis or stitching images of the spine.

---

Heat management at 120 exposures per hour
- 120 exposures/h in typical
gyropathy chest examinations
- 120 exposures/h in typical mix of
giagography hospital case examinations
- nom. cont. input power = 200 W
- cooling curve of tube assembly

---

All rights are reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright holder.

Dunlee reserves the right to make changes in specification and/or to discontinue any product at anytime without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

Dunlee is a brand of the Philips Company Group