Performix 160 A X-Ray Tube Assembly
Consisting of X-Ray Tube Type 2216450 and X-Ray Tube Housing Type 2216500-2

OPERATING DOCUMENTATION

Naudojimo dokumentacija

2309761-6-1EN
Revision 1

Chapter 2 X-Ray Tube 2216450

1 Description

1.1 General

The 2216450 X-Ray tube is equipped with tube housing 2216500-2 for Performix 160 A X-Ray Tube Assembly, Model 2216500, 2216500-3.

Illustration 2-1:

The main characteristics of this tube are given below.

1.2 Characteristics

Eil. nr. 1.1

Table 2-1:

Subject	Specifications	Reference Standards*
Nominal continuous anode input power**	20.0/55.8/112.9 kW	IEC 60613/2010
Maximum anode heat content	2 740 000 Joules	IEC 60613/2010
Anode heating and cooling curves	See Anode Heating and Cooling Curves	IEC 60613/2010
Maximum anode cooling rate (Continuous)	6.72 kW	JIS Z 4704
Single load rating	See Single load rating	IEC 60613/2010
Serial load rating	See Serial load rating	IEC 60613/2010
Target material	Tungsten	IEC 60601-2-28/1993 and IEC 60601-2-28/2010
Reference axis	Normal to longitudinal axis to X-Ray tube. See Section 1.3	IEC 60601-2-28/1993 and IEC 60601-2-28/2010
Target angle with respect to the specified reference axis	11° 15'	IEC 60601-2-28/1993 and IEC 60601-2-28/2010

Eil. nr. 1.2

Eil. nr. 1.3

Eil. nr. 1.4

Subject	Specifications	Reference Standards*
X-ray Radiation Angle	22.5 degrees	JIS Z 4704
Nominal focal spot value****	0.3, 0.6, 1.0	IEC 60336/1993 and IEC 60336/2005
Maximum Focal Spot Measurements for IEC Focal Spots	IEC 1.0 => Maximum Length = 2.0 mm Maximum Width = 1.4 mm IEC 0.6 Maximum Length = 1.3 Maximum Width = 0.9 mm IEC 0.3 => Maximum Length = 0.65 mm Maximum Width = 0.45 mm	JIS Z 4704
Distance between axes of focal spots 1.0 and 0.6	≤ +/- 0.5 mm	
Modulation transfer function	See Modulation transfer function	IEC 60336/1993 and IEC 60336/2005
Minimal inherent filtration***	0.01 mm Al equivalent at 70 kV	
Nominal high voltage	125 kV	IEC 60613/2010
Nominal maximum cathode to ground voltage	62.5 kV	JIS Z 4704
Nominal maximum anode to ground voltage	62.5 kV	JIS Z 4704
Anode rotation	7 800 rpm, 130 Hz	IEC 60601-2-28/1993 and IEC 60613/2010
Maximum current filament	7.5 A	IEC 60613/2010
Electron emission curves	See Electron Emission Curves	IEC 60613/2010
Filament voltage and current curves.	See Typical Filament Voltage / Current Curves	JIS Z 4704
Disc diameter	160 mm	
Weight	11.8 kg +/- 0.1 kg	

NOTE: *Reference standard means that compliance with this standard is stated.

**For an equivalent anode input power of 100 W.

***Determined according theoretical method of calculating from BIRCH and MARSHALL.

****Electron emission from the 0.6 focal spot is controlled by grid up to 125 kV at V_{g1} = –370 +/- 6%

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Letter of Confirmation

We, **GE Medical Systems Polska Sp. z o.o.**, a company duly organized and existing under the laws of Poland, having our registered office and principal place of business at ul. Wołoska 9, 02-583 Warsaw, Poland, registered under KRS No. 0000040213, doing business as "GE Healthcare", who together with our affiliates are established and reputable manufacturers respectively suppliers of Diagnostic Imaging products and services

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do hereby confirm that **Tradintek UAB**, having its registered office and principal place of business at Jasinskio Str. 9, 01112 Vilnius, Lithuania, is our authorized distributor for the sales and service of the Products in Lithuania and is authorized to import, market, sell, commission and service the a.m. Products and to participate in public and private tenders in its own name and on its sole behalf and to subsequently negotiate and sign the corresponding contracts.

This Letter of Confirmation is valid from date of signature until March 31, 2020, unless terminated earlier by giving 1 (one) month's prior written notice.

For and on behalf of
GE Medical Systems Polska Sp. z o.o.

Name: Dorothee Schad
Title: Dealer Compliance Manager
Date: January 8, 2018

Versta iš angių kalbos

Įgaliojimas

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GE Medical Systems Polska Sp. Z.o.o.
/Parašas/
Vardas: Dorothee Schad
Pareigos: Atstovų atitikimo vadovas
Data: 2018 m. sausio 8 d.