



APPLICATIONS

Rotating anode X-ray tube unit specifically designed for 100 mm anode diameter inserts, with high-energy radiographic procedures.

CHARACTERISTICS

- Lead lined aluminum body.
- Safety function steel shield, in case of tube insert breaking.
- Filled under vacuum with insulating oil, specially processed.
- Three devices are present for thermal safety:
 - 1 a bimetallic thermal switch, fitted externally on the anode end
 - 2 a bimetallic thermal switch, internally assembled, series connected with stator common cable
 - 3 a pressure microswitch, installed on cathode end, activated by bellow expansion
- Storage and shipment temperature range from -10°C to $+80^{\circ}\text{C}$
- No user maintenance requested

INSERTS FOR RELOADING

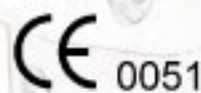
- RTM 90 H/HS - RTM 92 H/HS
- RTM 101 H/HS - RTM 102 H/HS
- RTC 600 HS - RTC 700 HS - RTC 1000 HS

ZC52 SUPER

ROTATING ANODE X-RAY TUBE UNIT

SPECIFICATIONS

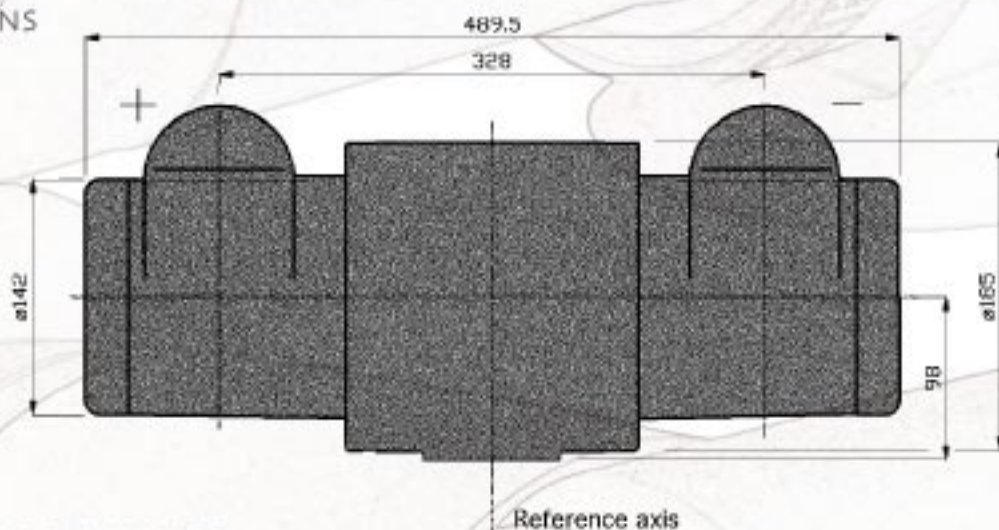
Overall length	490 mm
Maximum diameter	182 mm
Tube assembly net weight	21 kg
Nominal X-ray tube assembly voltage	150 kV
Maximum tube assembly heat content	1280 kJ (1700 kWh)
Maximum continuous heat dissipation without fan	230 W
Maximum continuous heat dissipation with fan	370 W
Minimum tube assembly inherent filtration	1.2 mm Al / 75 kV
Maximum leakage radiation at 1 m from focal spots	0.44 mGy/h



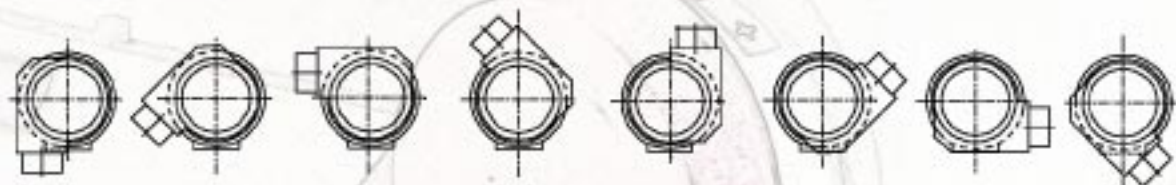
C52SUPER



DIMENSIONS



HOUSING HORN ANGLES



ANGLE	0°	45°	90°	135°	180°	225°	280°	315°
IAE CODE	C52S_0	C52S_45	C52S_90	C52S_135	C52S_180	C52S_225	C52S_280	C52S_315

ORDERING TIPS

To assure that you receive the proper tube assembly, please specify the following information at the time of order:

- horn angle (of the tube housing high voltage receptacles)
- necessity of fan or heat exchanger
- any interface kit that may be required

Should you still have questions about the compatibility of a replacement tube unit call our customer service:

+39 02 66303255

IAE SPA - ITALY via Fabio Filzi, 53 20032 CORMANO MI tel +39 02 66303255 fax +39 02 6152544 iaexray@iae.it www.iae.it
 IAE FRANCE sas 90, Blvd St. Michel 91150 ETAMPES tel +33 16 4948044 fax +33 16 4949956 iaefrance@wanadoo.fr