

TMS 320 R

32 kW Radiographic Mobile with rotating column



X-RAY GENERATOR

Microprocessor managed control panel
User-friendly touch screen interface
High frequency generator (40 kHz)
32 kW max. power
Monobloc thermal capacity: 600 kJ (800 kHU)
Ripple < 2%

Operating modes:

2 points technique (kV / mAs settings):
kV range: 40 ÷ 125 kV (1 kV steps)
mA range: 50 – 400 according to kV selection
mAs range: 0.1 – 220 (12.5% steps)
Exposure time range (according to mAs selection): 0.001 – 2.2 s

Exposure controls:

Double step X-ray handswitch with extensible cable
Remote control (optional)

Service program

Dedicated application for technical assistance:

- equipment parameters configuration
- alarms and errors management
- x-ray tube seasoning and calibration
- DAP calibration
- History of the last 200 exposures

X-RAY TUBE

Rotating anode 3000 rpm
Double focal spot 0.8 and 1.3 mm
Nominal focus power: 16 kW small focus; 32 kW large focus
Anodic diameter: 64 mm
Anodic angle: 15°
Anode material: RTM
Max. continuous anode dissipation: 300 W
Thermal capacity: 80 kJ (107 kHU)

COLLIMATOR

Manual collimator with internal light source, multilayer, square field
High brightness power led cluster
30 s light timer
Extractable meter for SID measure
Collimator rotation: ± 120°
Additional filtration through manual selection (1 mm Al + 0.1 mm Cu; 1 mm Al + 0.2 mm Cu; 2 mm Al)

OPTIONS

DAP chamber dosimeter
DAP printer
Remote control
Collimator with double laser line for 1m SID definition

MECHANICAL DATA

Wheels diameter: 100 mm front; 300 mm rear *
Max. length in transport position: 1489 mm *
Max. height in transport position: 1504 mm *
Max. width in transport position: 700 mm *
Handle height: 932 mm *
Focus-floor distance: 444 – 2153 mm *

Monobloc rotation around the arm axis (X axis: ±180°) *
Monobloc rotation around its axis (Z axis: -49° +102°) *
Arm rotation around its axis (β axis: ±90°) *

Manual equipment movement with dead man parking brake
Handle and pedal for the obstacles overcoming

Holder for five cassettes 35x43 cm format
Weight: 240 Kg

* See picture next page

VARIOUS

Potter Bucky interface

POWER SUPPLY

115 / 230 Vac ± 10%, 50/60 Hz
Max. line resistance < 1Ω
Connection to standard mains outlet 16 A

CLASSIFICATION

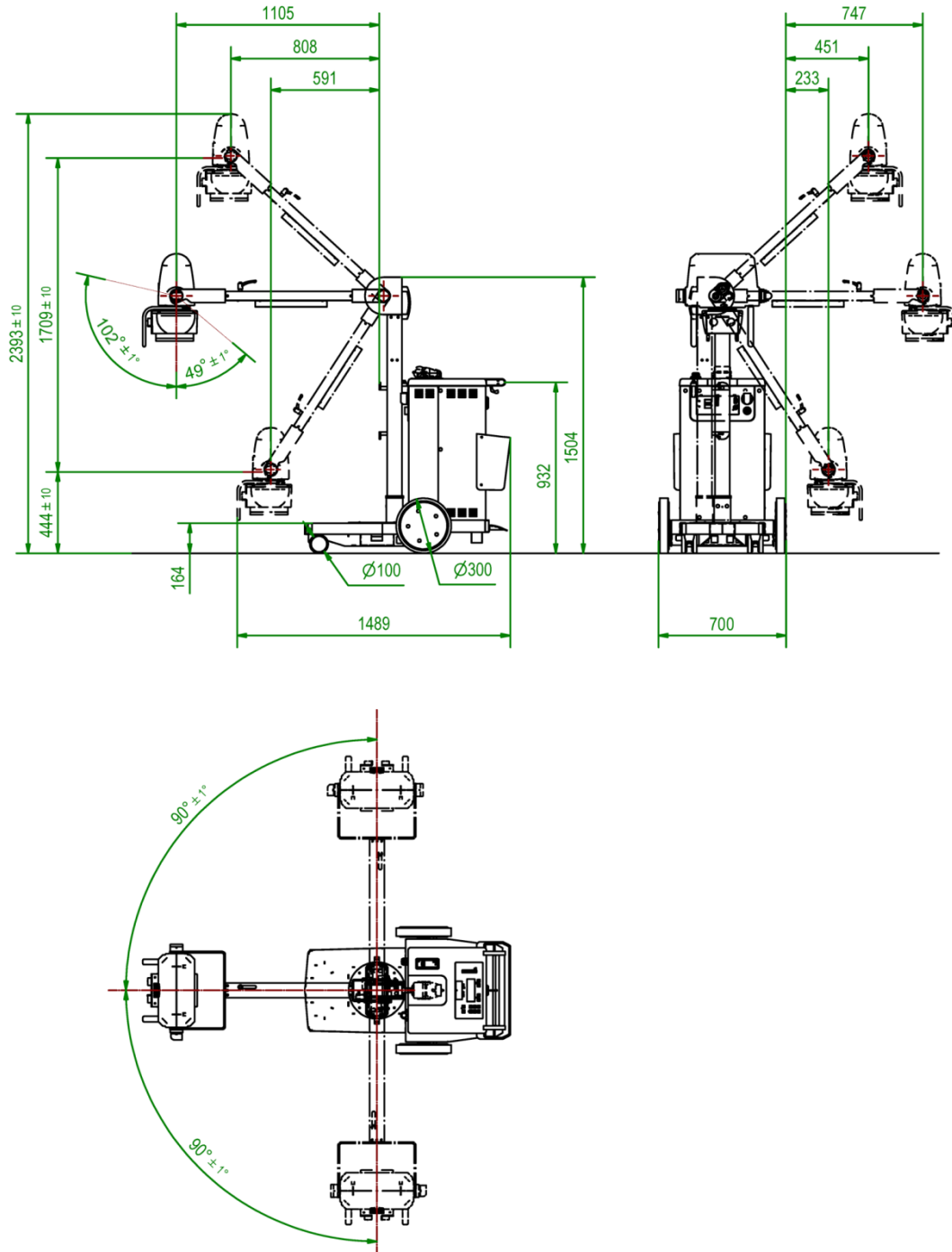
Class I, applied parts type B (IEC 60601-1 3rd edition)

COMPLIANCE

MDD 93/42/EC and its revised version
Medical device Class II b according to MDD 93/42/EC, annex IX, rule 10

The equipment can be updated at any time to DR configuration.

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All dimensions are in mm. Linear tolerances ± 5 mm, angular $\pm 1^\circ$.



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