



BRG-200DR

Product Data **H. F. X-ray generator**

Advanced technology high frequency x-ray generator for digital and general radiology in any medical centre.

Microprocessor-controlled unit, for safe and reliable operations.

MAIN FEATURES

- Three different models: 50 kW - 65 kW - 80 kW
- High frequency Output up to 400kHz
- High Speed Starter, for higher power
- Low kV ripple, maximizes image quality by providing constant potential performance at a fraction of the cost of more expensive models
- Small, compact, light weight and high proven reliability units
- User-friendly units, with operative parameters selected and visualized on an ergonomic display
- Large technique selection:
 - 1) kV with AEC (option)
 - 2) kV / mAs
 - 3) kV / mA/ Time
 - 4) kV / cm thickness (optional only with membrane console)
- Simple-to-use APR operation, with manual override of technique factors
- Anatomical programs available in several languages and easily edited
- Mini-console for a seamless integration with the Digital Imaging System
- Operator Membrane Control Console available as an option with international symbols or text
- Automatic X-ray tube Calibration
- GenWare™ Service Software allows fast and easy set-up with extensive self-diagnostic with operator prompt messages, as well as system diagnostic for all off-size analysis.



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TECHNICAL FEATURES

	BRG-200DR [50 kW]	BRG-200DR [65 kW]	BRG-200DR [80 kW]
Application	Radiographic	Radiographic	Radiographic
Maximum Power	50 kW	65 kW	80 kW
Generator type	High Frequency Output up to 400 kHz	High Frequency Output up to 400 kHz	High Frequency Output up to 400 kHz
Maximum mA	630 mA	800 mA	1000 mA
Maximum kV	150 kV	150 kV	150 kV
kV range	40 ÷ 150 kV (1 kV steps)	40 ÷ 150 kV (1 kV steps)	40 ÷ 150 kV (1 kV steps)
kVp accuracy	± 5% + 1 kV	± 5% + 1 kV	± 5% + 1 kV
H. V. X-ray tube ripple	< 1 kV @ 100 kV	< 1 kV @ 100 kV	< 1 kV @ 100 kV
mA range	10 ÷ 630 mA	10 ÷ 800 mA	10 ÷ 1000 mA
mAs range Non-AEC	0.1 ÷ 630 mAs	0.1 ÷ 800 mAs	0.1 ÷ 1000 mAs
mAs accuracy	± (10% + 0.2) mAs	± (10% + 0.2) mAs	± (10% + 0.2) mAs
Exposure time range	1 ÷ 6300 msec	1 ÷ 6300 msec	1 ÷ 6300 msec
Technique selection	1) kV with AEC option 2) kV / mAs 3) kV / mA/ Time 4) Kv / cm thickness ¹	1) kV with AEC option 2) kV / mAs 3) kV / mA/ Time 4) Kv / cm thickness ¹	1) kV with AEC option 2) kV / mAs 3) kV / mA/ Time 4) Kv / cm thickness ¹
APR	768 Exam techniques	768 Exam techniques	768 Exam techniques
APR with Touch Screen Console	>20.000 exam techniques	>20.000 exam techniques	>20.000 exam techniques
Nr. of X-ray tubes	1	1	1
Anode heat indication	% HU readout	% HU readout	% HU readout
X-ray tube calibration	Automatic	Automatic	Automatic
Working places selectable (image receptor)	5 (2 Bucky / 1 non Bucky / 2 Aux.)	5 (2 Bucky / 1 non Bucky / 2 Aux.)	5 (2 Bucky / 1 non Bucky / 2 Aux.)
APR Languages	English - French - Spanish - Russian - German - Italian - Swedish		
Power supply			
Line voltage	Three phase 208/230 Vac Three phase 400/480 Vac	Three phase 208/230 Vac ² Three phase 400/480 Vac	Three phase 208/230 Vac ² Three phase 400/480 Vac
Automatic line compensation	-5%/+10% 208/230Vac 3Ø ±10% 400/480Vac 3Ø	±10%	±10%
Line Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Nominal Current³	≤5 Amps	≤5 Amps	≤5 Amps
Momentary Power Consumption	65 kVA	85 kVA	105 kVA

Note:

1. Membrane console only
2. Line adjusting transformer required
3. Generator standby current only



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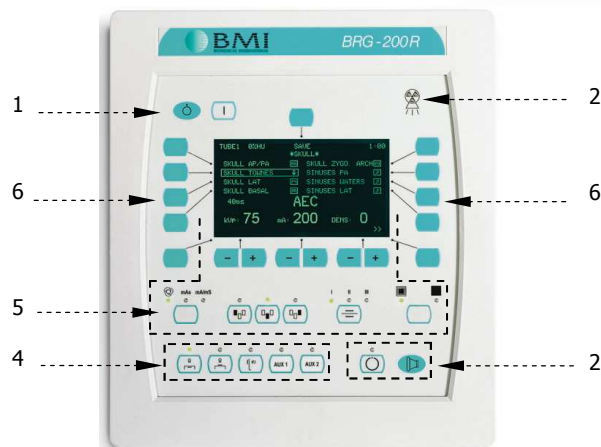
OPTIONS	Product Data H. F. X-ray generator		
	BRG-200DR [50 Kw]	BRG-200DR [65 Kw]	BRG-200DR [80 Kw]
High Speed Starter	Yes (400/480 3Ø only)	Yes (400/480 3Ø only)	Yes (400/480 3Ø only)
Membrane Console	Yes	Yes	Yes
Touch Screen Console	Yes	Yes	Yes
Exposure Hand Switch	Yes	Yes	Yes
AEC interface	Yes	Yes	Yes
Nr. of measuring chambers	4	4	4
Nr. of field selection	3	3	3
Film screens	3	3	3
Density values	+8/-8	+8/-8	+8/-8
Post display of exposure time and mAs output	Yes	Yes	Yes
Console pedestal for membrane console only	Yes	Yes	Yes
DAP (Dose Area Product) interface	Yes Values displayed in mGycm ²	Yes Values displayed in mGycm ²	Yes Values displayed in mGycm ²
DAP printer	Yes	Yes	Yes

MINI-CONSOLE (Standard)

TOUCH SCREEN CONSOLE (Optional)



MEMBRANE CONSOLE (optional)



Legenda:

1. Power ON and OFF buttons
2. Preparation and X-ray exposure buttons and indicators
3. Exposure Hand switch
4. Working places (image receptors) buttons
5. Radiographic controls and display
6. APR and Menu buttons



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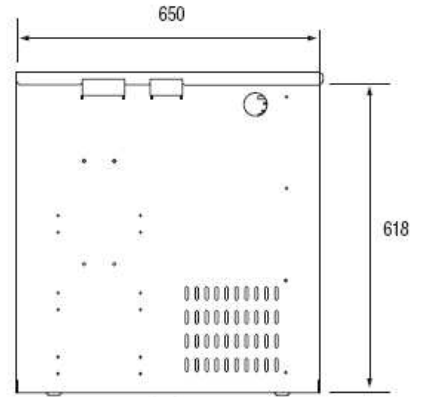
Product Data **H. F. X-ray generator**

OVERALL DIMENSIONS [mm]

H.T. Cabinet

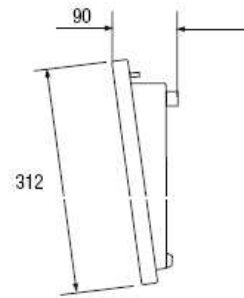
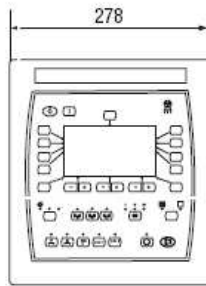


Right side



Back

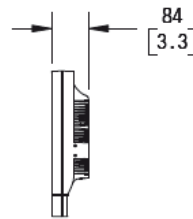
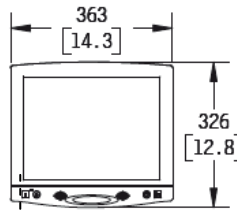
Membrane console (optional)



Mini Console (Standard)



Touch screen console (optional)



Console Pedestal (optional)



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