



VET SYSTEM 30 PLUS

Product Data **Veterinary radiological system**

EQUIPMENT OVERVIEW

Equipment description	Radiographic veterinary system, designed for general radiographic investigations with the CR/DR systems, designed to acquire radiographic images of cats, dogs and pets in general
Table Top	It is composed by a 4-way floating Table Top and a fixed height column which includes the monobloc, the collimator and the control console
Column stand	The H.F. X-ray generator is placed under the radiographic table Low absorption laminated Table Top, lockable in position by mechanical brakes, releasable by foot pedal located on the equipment base Compact and easy to install

X-RAY GENERATOR - High Frequency monobloc

Maximum power	32 kW (320 mA - 100 kV @ 100 ms)
Maximum voltage	125 kV
Maximum mA	400 mA
Maximum mAs	320 mAs
kV range	40 ÷ 125 kV (step 1 kV)
mA range	25 ÷ 400 mA (13 steps)
mAs range (2-point technique)	0.1 ÷ 320 mAs (36 steps)
Exposure time	3 ÷ 6300 ms (34 steps)
Monobloc thermal capacity	520 kJ
Monobloc continuous thermal dissipation	65 W
Frequency	40 kHz
kV ripple	≤ 2 % @ maximum power
Leakage radiation (IEC 60601-1-3)	< 0,5 mGy/h
Total filtration	> 2.5 mm Al @ 75 kV

X-RAY TUBE

Type	Rotating anode X-ray tube
Focal spot size	Small focus 0.6 mm - Large focus 1.3 mm
Maximum voltage	130 kV
Anode speed	3000 r.p.m.
Anode material	RTM
Anode angle	15°
Anode heat storage capacity	80 kJ (107 kHU 110 kHU available on request)
Maximum continuous anode heat dissipation	300 W 320 W available on request

COLLIMATOR

Mode of operation	Manual
Field type	Square field
Field adjustment	From 0x0 cm to 43x43 cm at 1 m F.F.D.
Light source	High intensity LED lamp (160 lux) for X-ray field simulation with automatic switching OFF programmable by software from 5 s to 120 s
F.F.D. measurement	Retractable tape measure
Collimator manual rotation	± 90° around its vertical axis



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CONTROL CONSOLE

Type	Microprocessor controlled console		
Display	10" TFT LCD touchscreen, 16.2 million colours, 340 cd/m ² Resolution 1024 × 600 pixels		
Alarm	Acoustic and luminous X-ray emission alarm		
Languages available	Bulgarian	Greek	Romanian
	Czech	Hungarian	Russian
	Danish	Indonesian	Spanish
	Dutch	Italian	Swedish
	English	Norwegian	Turkish
	Finnish	Polish	Vietnamese
	French	Portuguese Brazilian	
German	Portuguese		

OPERATION MODE

Pre-selected radiography technique (APR)	2-point technique (kV and mAs)
Free-format radiography technique	2-point technique (kV and mAs) 3-point technique (kV, mA and ms)
APR (Pre-set Anatomical Programs)	3 modalities (Dog - Cat - Exotic animals), selectable by animal's thickness or weight
Film screen selection	3 speeds
Potter Bucky Manual cassette tray	Suitable for radiographic cassette having dimensions from 13 cm x 18 cm to 43 cm x 43 cm

EXPOSURE CONTROL

Foot pedal	Two-step foot pedal with 3 m long cable
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SAFETY AND PROTECTION

Automatic control and protection of the filament current
Overcurrent protection
Overvoltage protection
X-ray tube overload protection
Monobloc kHU automatic survey
Errors description



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MECHANICAL SPECIFICATIONS

Table Top	Standard	Optional
Dimensions	1500 × 640 mm	1600 × 640 mm
Thickness	5 mm (filtration 0.8 mm Al)	8 mm (filtration 1.1 mm Al)
Longitudinal movement	720 mm (± 360 mm)	840 mm (± 420 mm)
Transversal movement	160 mm (± 80 mm)	160 mm (± 80 mm)
Braking system	Mechanical	Mechanical
Table Top - floor distance	840 mm	840 mm
Table Top - radiographic cassette distance	65 mm	65 mm
Maximum patient weight	100 kg	100 kg
Column stand		
Column height	1950 mm	
Focal-film distance	1000 mm fixed	
Equipment overall dimensions	1500 (W) x 920 (D) x 1950 (H) mm	
Equipment weight	≅ 198 kg	

OPTIONALS

Removable stationary grid, 103 Lp/inch, R 10:1, F=100 cm
"Tie down" clam cleats
Table Top with track to clean up liquids during examination
1600 mm length Table Top

POWER SUPPLY REQUIREMENTS

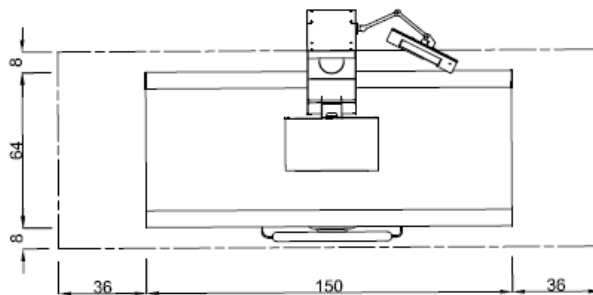
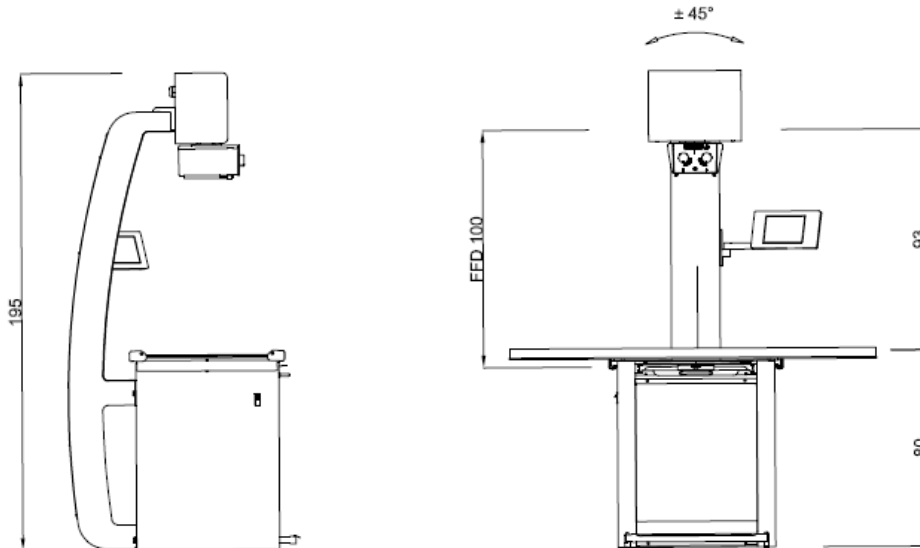
Voltage	230 Vac single phase (115 Vac on request)
Frequency	50/60 Hz
Nominal current	3 A (7.5 A @ 115 Vac)
Momentary current	28.5 A (42.5 A @ 115 Vac)
Line compensation	± 10 % automatic
Total line resistance	0.4 Ω



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DIMENSIONS



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Note: Specifications are subject to change without prior notice.