

# SPEEDY 32

*32 kW - 425 mA*  
*Mobile X-Ray Unit*



## INTRODUCTION

“Speedy” mobile x-ray is characterized by very simple mechanic, lightness and easy handling. The versions at 100 kHz, with power supply of 32 kW and maximum absorption of 12A only represent an ideal solution for x-ray examinations in first aids or ward rooms where use is possible even with a common monophasic plug 230 V (or 115 upon request). All kind of urgent examinations on traumatized patients are possible thanks to the system’s numerous positions. The group “generator-tube” includes a protractor, light pointer with timer and retractable meter and double handler for its positioning. During transportation, a simple mechanic device allows arm and monobloc blockage.

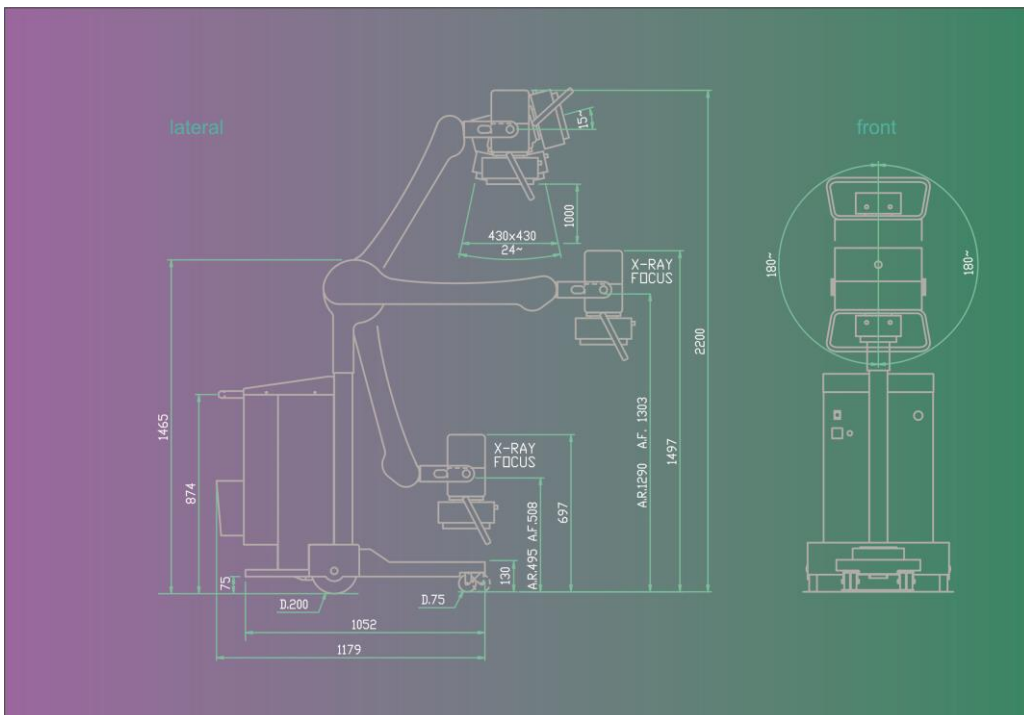
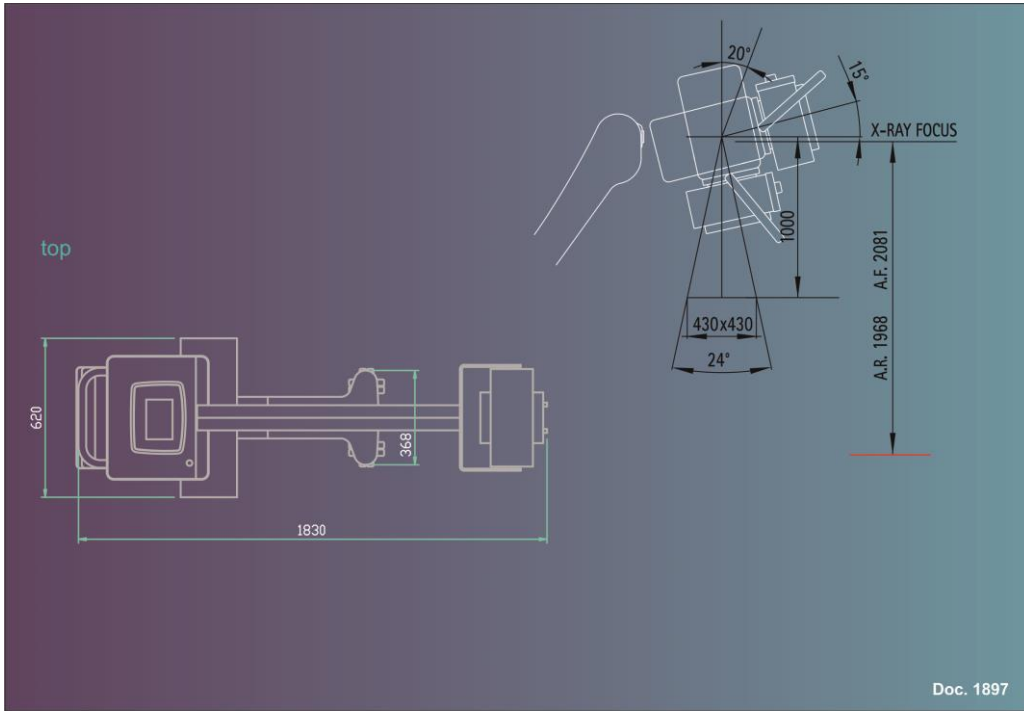
## TECHNICAL DATA

General Characteristics		
Maximum power	32 kW @ 100 kV	
Invert frequency	100 KHZ	
Ripple	≤3% at maximum power	
Exposure times	3 ms to 1,5 s	
kV range	40 - 125 (1 kV step)	
mAs range	28 steps (0,2 / 0,5 / 0,8 / 1 / 1,3 / 1,6 / 2 / 2,5 / 3,2 / 4 / 5 / 6,3 / 8 / 10 / 13 / 16 / 20 / 25 / 32 / 40 / 50 / 63 / 80 / 100 / 130 / 160 / 200 / 220)	
mA range	kV	ma max (large focus)
	40 - 80	425
	81 - 100	320
	101 - 110	250
	111 - 120	200
	kV	ma max (small focus)
	40 - 50	200
	51 - 60	160
	61 - 80	125
	81 - 100	100
101 - 120	80	

<b>Monobloc</b>	
Model	E 100 R HF
Tube model	IAE X22
Anode type	Rotating (3000 rpm)
Focus dimensions	0.6 x 1.3 mm
Nominal anodic power	11 kW / 32 kW
Anode thermal capacity	80 Kj
Anode target angle	15°
Anode max continuous dissipation	300 W
Monobloc thermal capacity	375 Kj
Monobloc max continuous dissipation	40 W
Min inherent filtration	1.8 mm Al
Total filtration	> 2.7 mm Al
<b>Inverter</b>	
Model	HF1 100
Power supply voltage	230 Vac ± 10%
Power supply frequency	50/60 Hz
Digital outputs	High active
Digital inputs	High active
Logic circuit power supply	± 15Vdc
<b>Collimator</b>	
Model	R105
Multiple level blades	Parallels and perpendicular
Blade handling	Manual
Dimensions of radiated field	43 x 43 cm
Focus - film distance indication	With retractile ribbon meter, 2 mt
Light brightness	160 lux at 1 mt
Collimator inherent filtration	2 mm Al
<b>Electrical data</b>	
	Main line power supply
Voltage	230 Vac
Frequency	50/60 Hz
Max absorbed power	Continuous operation < 1 A
	Intermitted operation 12 A
Line compensation	Automatic
Line resistance	< 2.5 Ω
Power supply socket 230 VAC	16 A

Classification EN 60601-1	Class I with type B part applied
Conditions of use EN60601-1	Continuous operation with intermitted load
Directive classification 93/42/EEC as amended	Class II B (annex IX)
<b>Mechanical characteristics</b>	
Width	620 mm
Length	1179 mm
Height	1465 mm
Focus max height	1830 mm
Diameter of rear wheels	200 mm
Weight	200 Kg
Cassette holder	35 x 43 cm - 5 cassettes max
The combination between mAs and kV are <b>automatically controlled by a microprocessor</b> so that there are always <b>32 kW</b> output with the large focus and <b>11 kW</b> with a little focus compatibly with the mAs required.	
Operator interface	Rear-lit touch screen for all operating parameters and messages for any possible anomalous condition. Microprocessor controlled
Selectable languages	Italian, English, Turkish, German, Spanish, French, Polish, etc
Radiography exposure control	Remote control wih double click and extension cable
Radiography with free technique	Technique with 2 points (kV, mAs) Technique with 3 points (kV, maS, sec) Optional
Safety devices	mAmin and mAmax safety Maximum x-ray tube load safety device Maximum exposure time safety device Temperature and monoblock Max kV, min kV and max I Capacitor faulty Starter anode faulty Microprocessor auto test with display of the diagnostic message

DRAWINGS



FINANCIAL OFFER

<b>Speedy 32 kW</b>	32kW - 100 kHz (Mains operated) Rotating anode 110 KHU tube 40-125 kV - 425 mA 200 mAs
---------------------	--