

# The **NEW NOVA**

## Mobile X-ray units



**Supplied in 30kW, 6kW and 3.5kW versions**

**NOVA is a new range of high frequency mobile units that are compact, lightweight but powerful enough to fulfil all that is required of a mobile system.**

**The Nova mobiles are designed around an unpowered lightweight chassis with 3 wheels. This makes the unit very mobile and gives an unimposing low profile presentation. The single front wheel is attached to a long outrigger, for stability and ready access underneath beds, trolleys and incubators.**



The X-ray generator/tube assembly is mounted on an easily positioned and counterbalanced cantilever suspension, equipped with a powerful Light Beam Diaphragm and optional DAP meter.

These highly specified mobiles are all equipped with generators designed around state of the art inverter technology, with a watchful microprocessor providing sophisticated control and protection.

A simply presented, wash down, touch membrane control desk provides the user interface. A large LCD displays kV, mAs, post reading of actual exposure time and selection from the 40 user programmable APR library.

This range of mobile X-ray units is probably unique in its flexibility. The choice of generator power and the absence of 'the indifferent manoeuvrability' so often encountered with non motorised mobiles, will provide the relaxed capability to fulfil many of the peripheral roles, which are the lot of the mobile unit.

The final consideration must be of the cost implications. It is indisputable that the Professions' current preference is for the 20KW + motorised system. These units are large, heavy and expensive both to purchase and maintain. The 30 kW Nova can provide equivalent X-ray power but is more competitively priced and has lower maintenance costs.

The Nova 6 and 3.5kW units are also extremely economical and are very attractive solutions to low volume use/cost ratio of systems employed on satellite ward blocks and clinics.

## Specifications

### NOVA 3 kW

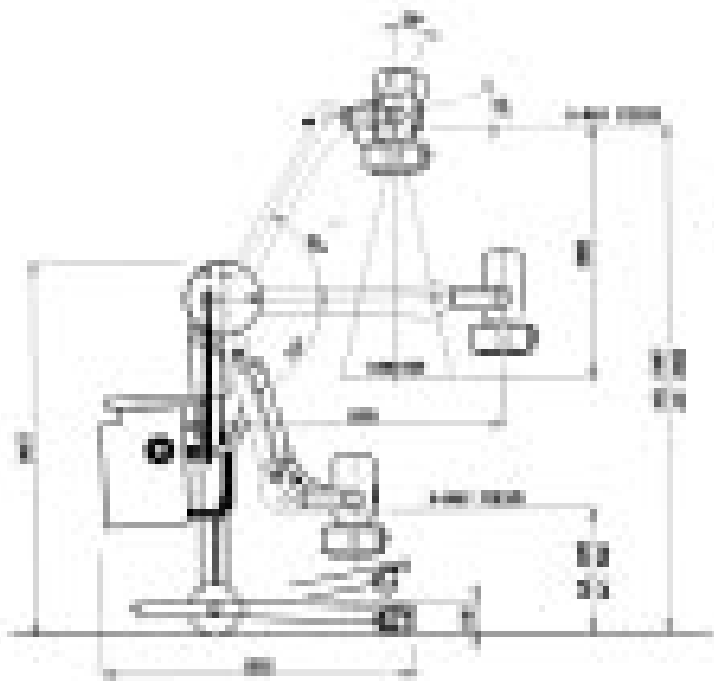
- kVp range: 40 - 110 kVp (1 kVp steps)
- mAs range: 0.5 - 320 mAs (27 steps)
- Maximum current: 70 mA (high frequency)
- Tube: stationary
- Focal spot size: 1.5 mm
- Power: 3.3 kW
- Thermal capacity: 665 kJ

### NOVA 6 kW

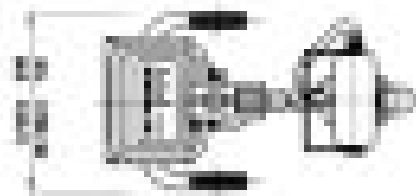
- kVp range: 40 - 120 kVp (1 kVp steps)
- mAs range: 0.5 - 320 mAs (27 steps)
- Maximum current: 150 mA (high frequency)
- Tube: rotating anode
- Focal spot size: 0.6, 1.3 mm
- Power: 6 kW
- Thermal capacity: 500 kJ

### NOVA 30 kW

- kVp range: 40 - 120 kVp (1 kVp steps)
- mAs range: 0.5 - 200 mAs (25 steps)
- Maximum current: 425 mA (high frequency)
- Tube: rotating anode
- Focal spot size: 0.6, 1.3 mm
- Power: 30 kW
- Thermal capacity: 500 kJ



Technical drawing showing the mobile X-ray unit with dimensions and labels.



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