



# AGFA RADIOLOGY SOLUTIONS

EXCELLENCE. PURE AND SIMPLE.

# VALORY

Designed with simplicity and reliability in mind, VALORY Ceiling is a flexible, modular solution that brings a productive workflow to the DR room. Together with the robust Dura-line range of detectors, it offers robust confidence, while the MUSICA image processing software delivers very high image quality.

# Technical Specifications

## Environmental Requirements (Operation)

**Temperature Range:** +10°C to +35°C  
**Humidity (non condensing):** 30% to 75% relative humidity  
**Atmospheric pressure:** between 70 and 106 kPa  
**Max altitude:** 3000 m

## Patient Table

**Height of the elevating table:**

- Min 530 mm (20.86")
- Max 820 mm (32.28")

**Tabletop width:** 800 mm (31.5")  
**Tabletop length:** 2206 mm (86.85")  
**Height of the fixed table:** 700 mm (27.56")  
**Tabletop detector distance:** 81 mm (3.19")  
**Tabletop radiation absorption:**  
 < 0.7 mm (0.03") Al equivalent  
**Tabletop longitudinal travel:** +/- 414 mm ( 16.3")  
**Tabletop transversal travel:** +/-150 mm ( 5.9")  
**Bucky travel longitudinal:** 510 mm (20.68")  
**Max. patient weight:** 320 kg (705 lbs)  
**Automatic exposure control:** 3 field ionisation chambers  
**Weight (including tabletop plate):** 215 kg (473.99 lbs)

## Anti scatter grid

**Focussed Grids with Carbon Fibre cover, Al-interspacing and coloured frame including hand grip for easy insertion and removal from bucky:**

- 132 l/inch, ratio 10:1, SID 100 cm
- 132 l/inch, ratio 10:1, SID 150 cm
- 132 l/inch, ratio 10:1, SID 180 cm

## Wall stand

**Height:** 2351 mm (92.56")  
 (with lateral patient holder max: 2787 mm (10.72"))  
**Width:** 650 mm (25.59")  
**Depth:** 432 mm (17.01")  
**Minimum height detector center:** 350 mm (13.78")  
**Maximum height detector center:** 2000 mm (78.84")  
**Bucky vertical motion:** 1650 mm (64.96")  
**Radiation absorption:** front panel attenuation excluding AEC: mm Al equivalent < 7 mm Al equivalent  
**Wallstand surface detector plane distance:** 41 mm (1.61")  
**Automatic exposure control:** 3 field ionisation chambers  
**Weight (incl. Bucky):** 151 kg (332.9 lbs)

## Electrical connections

Power Line 208-240 V - 1-phase (40 kW-version only)	208-240 VAC 50/60 Hz - Single phase
Power-Line 208-240 V - 2-phase (40 kW version only)	208-240 VAC 50/60 Hz *Split Phase AC line with two hot phases (e.g. 240 VAC available as two 120 VAC hot phases)
Power Line 400 V - Y-source	400 V AC 50/60 Hz - 3-phase (3P+N+PE)
Power Line 400/480 V - Δ-source	400/480 V 50/60 Hz - 3-phase (3PH+PE)

	EDITOR HFe 401 (1-phase)	EDITOR HFe 401 (3-phase)	EDITOR HFe 501	EDITOR HFe 601	EDITOR HFe 801
Nominal connected wattage	20 kVA	20 kVA	24 kVA	35 kVA	44 kVA
Max. Input current (0.2 s) 208-240 V	275 A				
Max. Input current (0.2 s) 400 V		92 A	144 A	144 A	180 A
Max. Input current (0.2 s) 480 V		79 A	97 A	124 A	154 A

## Ceiling mounted X-ray support

**Tube Rotation:** +/-180° (Recommend @±120°)

**Tube Swivel:** +/-180° (Recommend @±120°)

**Max vertical travel:** 1500 mm (59.06")

### Autotracking:

- The motorized tube column follows vertically the manually moved wallstand bucky
- The motorized tube column follows the table height

### Autocentering:

- The tube centers in vertical direction to the wallstand bucky center

## Collimator (manual)

**Dimensions:** 271 x 222 x 167 mm (W x D x H)

**Inherent filtration:** 2 mm Al equivalent

**Full field light localizer:** > 160 lx

### Additional internal filtration:

- 1 mm Al + 0.1 mm Cu
- 1 mm Al + 0.2 mm Cu
- 2 mm Al
- No additional filtration

**Rotation:** up to maximum ± 90°

**External Dose Area Product Meter** (optional)

**Weight:** 8.4 kg

**SID measurement:** retractable tape

**X-ray field illumination:** with LED illumination

## Ceiling suspension accessories

### Longitudinal rails:

X-Rail	Max. Movement
3300 mm	2432 mm
3600 mm	2732 mm
4000 mm	3132 mm
4500 mm	3632 mm
5000 mm	4132 mm
5500 mm	4632 mm
6000 mm	5132 mm

### Bridge:

Y-Rail	Max. Movement
2400 mm	1468 mm
2700 mm	1768 mm
3000 mm	2068 mm
3300 mm	2368 mm

## Component weight

**Weight of the tube support (without rails and without collimator & tube):** 165 kg

### Weight of bridge:

Y-Rail	Weight
2400 mm	49 kg
2700 mm	55 kg
3000 mm	68 kg
3300 mm	75 kg

### Weight of longitudinal rails:

X-Rail	Weight
3300 mm	78 kg
3600 mm	81 kg
4000 mm	100 kg
4500 mm	114 kg
5000 mm	120 kg
5500 mm	120 kg
6000 mm	126 kg

## Generators

Input power	1-phase 208-240 V	3-phase 400-480 V	3-phase 400-480 V	3-phase 400-480 V	3-phase 400-480 V
Max. power (kW)	40	40	50	65	80
Max. mA	500	500	625	800	800
kV-range	40-150 kV				
Compatible X-ray Tubes	E7884X	E7884X	E7884X	E7252X E725FX	E725FX
Operating principle	Falling load				

## X-ray Tube

Type	E7884X	E7252X	E7254FX
Speed	LS	HS	HS
Nominal X-ray Tube Voltage (IEC60613:2010) Radiographic	150 kV	150 kV	150 kV
Nominal Focal Spot Value large/small Focus	1.2/0.6	1.2/0.6	1.2/0.6
Nominal Anode Input Power large/small Focus at 0.1 s 50 Hz (LSS-mode)	50/20 kW	40.6/14.2 kW	55/21.5 kW
Nominal Anode Input Power large/small Focus at 0.1 s 60 Hz (LSS-mode)	54/22 kW	44.6/16 kW	60/23 kW
Nominal Anode Input Power large/small Focus at 0.1 s 180 Hz (HSS-mode)		75/27 kW	102/40 kW
Target Anode Angle	12 degrees	12 degrees	12 degrees
Construction	Rhenium-Tungsten-faced Molybdenum	Rhenium-Tungsten-faced Molybdenum	Rhenium-Tungsten-faced Molybdenum
Anode Heat Content	210 kJ (300 KHU)	210 kJ (300 KHU)	285 kJ (400 KHU)

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