



Moviplan iC TA

System with floor-mounted column and elevating radiographic table

Product Data



Moviplan iC TA is the radiography system composed of a floor-mounted radiographic table and column with an LCD interface, capable of performing a wide range of studies and applications to meet the diverse examination needs of any radiology center.

Movement unlocking is achieved through a system of photocells placed at the base of the table, which are enlightened by white LED lights. The high robustness of the table and its minimal height from the ground allow for examinations on bariatric or wheelchair-bound patients without hindrance.

When paired with the VDX Next imaging system, it is also available with a Potter Bucky designed for inductive battery charging of the detector (optional).



Moviplan iC Table– Mechanical features

Weight	320 kg
Dimensions	2300 x 850 mm
Radiotransparent area	2190 x 658 mm
Longitudinal movement	Manual (floating) 1200 mm (± 600 mm)
Transversal movement	Manual (floating) 260 mm (± 130 mm)
Height from the floor	460 ÷ 850 mm (motorized, run 390 mm)
Maximum patient weight	250 kg with unrestricted movement 375 kg maximum static load with centered table top
Surface	Flat, totally smooth without raised edges
Material	Laminated plastic (standard) Carbon fiber (optional)
X-Ray attenuation	Laminated plastic: ≤ 0.9 mmAl @100 kVp, (HVL = 3.6 mmAl) Carbon fiber: ≤ 0.5 mmAl @100 kVp, (HVL = 3.6 mmAl)

Bucky

Predisposition	Film cassettes, wireless flat panel detectors, fixed flat panel detectors
Type	Available buckies: <ul style="list-style-type: none"> – Bucky for film cassettes or wireless flat panel detector – Bucky for fixed detectors – Bucky for wireless flat panel detector with inductive battery charging (optional)
Cassettes size	From 13x18 cm to 35x43 cm. (up to 43x43 cm for portable digital detectors)
Longitudinal movement	Manual, run 560 mm. Motorized, run 540 mm.
Bucky brakes	<ul style="list-style-type: none"> – manual (motor brake) – motorized (motor brake) in the configuration with auto-tracking functions
Cassette centering	Semi-automatic
AEC measuring chamber	Predisposed for 3 fields measuring chamber
Skin to film distance	68 mm
Standard Grid	oscillating, removable <ul style="list-style-type: none"> – Ratio: 12:1 – Focal distance: 120 cm – Lines/cm: 40



Column iC – Mechanical features

Height from the floor	2350 mm
Standard rails length	2900 mm (rails only) 3009 mm (rails + end race)
Rails thickness	35 mm
Longitudinal column movement	Manual and motorized, run 2110 mm
Tube arm vertical movement	Manual, 1700 mm Motorized in the configuration with vertical auto-tracking function
Tube arm transversal movement	Manual, 250 mm
Column rotation around vertical axis	Manual, $\pm 90^\circ$ Manual -90° and $+180^\circ$ with optional kit
Tube arm rotation	Motorized $\pm 180^\circ$
Min. focus-floor distance	335 mm (with tube facing the Wall Bucky)
Max. focus-floor distance	2035 mm (with tube facing the Wall Bucky)
Weight	185 kg

Collimator

Type	Manual
Limitation	Square and rectangular with laser for bucky centering
Light source	LED lamp with timer
SID measurement	With retractable tape measure
Field coverage	48 x 48 cm @ SID= 100 cm
Inherent filtration	1 mm Al eq. @ 100 kVp, HVL = 2.7 mm Al
Additional filtration	Additional variable filtration through three filters on rotation support 1mmAl (0.1 mm Cu or 0.2 mm Cu or 1 mmAl). Manual selection



Functions

Table top movements unlock	With photocell to unlock the movements of the floating table and lift. A lever is used to select the 2-way or 4-way movement of the floating table
Locking of movements	With permanent magnet brakes
Horizontal/oblique auto-tracking	The table bucky automatically follows the column longitudinal movement and the tube rotation to keep the tube-detector alignment
Optional functions (for factory orders only)	<ul style="list-style-type: none"> – Safety anti-crushing system: pressure sensors located beneath the table top structure measure the variation of pressure during the vertical movement of the table in both directions and stop the movement in the presence of obstacles – Controls replication: replication of the unlocking commands by photocell on both sides of the table – Vertical Auto-tracking
Predisposed for X-ray tube	Any type with weight up to 25 kg
Controls position	Keyboard with alphanumerical LCD display mounted on the tube head
LCD interface	4" LCD display showing: <ul style="list-style-type: none"> – Source to Image Distance (SID) – Tube rotation angle – Grid focalization – Active auto-tracking function



Optional components

Handle	1 handle as standard, additional handle in option
Gynecological leg supports	Option
Compression band	Option
Lateral cassette support	Option
Medical disposable bed sheet holder	Option
Multifunctional keypad	Option
Maximum weight of accessories	15 kg
Flat panel detector holder (only for 43x43 FPD with inductive charger)	Option

Electrical features

Table

Power supply	115/230 Vac single-phase $\pm 10\%$
Absorbed current	8 A @ 115 Vac 3.6 A @ 230 Vac
Absorbed power	917 VA (759 W) @ 115 Vac 837 VA (693 W) @ 230 Vac
Frequency	50/60 Hz
Type and classification in accordance with IEC 60601-1	Class I with type B applied parts
Degree of protection according to IEC 60529	IPX0
Operating mode	Continuous
Line Impedance	< 1 ohm



Column

Power supply	110-240 Vac single phase $\pm 10\%$
Absorbed current	0.5 A @ 240 V 0.95 A @ 110 V
Absorbed power	109 VA (108 W) @ 110 V 113 VA (110 W) @ 240 V
Frequency	50/60 Hz
Type and classification according to IEC 60601-1	Class I with type B applied parts
Degree of protection according to IEC 60529	IPX0
Operating mode	Continuous
Line Impedance	< 1 ohm

Electrical features (inductive Battery charger) - Optional

Power supply	115/230 Vac single-phase $\pm 10\%$
Absorbed current	0.2/0.1 A
Absorbed power	11/23 VA
Frequency	50/60 Hz

Environmental conditions

Operating conditions	Temperature	10 to 40 °C (50 to 104 °F)
	Relative humidity	30% to 75%
	Pressure	700 to 1060 hPa
	Max altitude	2500 m
Transport and storage conditions	Temperature	-20 to 70 °C (-4 to 158 °F)
	Relative humidity	Up to 95% non-condensing
	Pressure	> 630 hPa
	Max altitude	3000 m

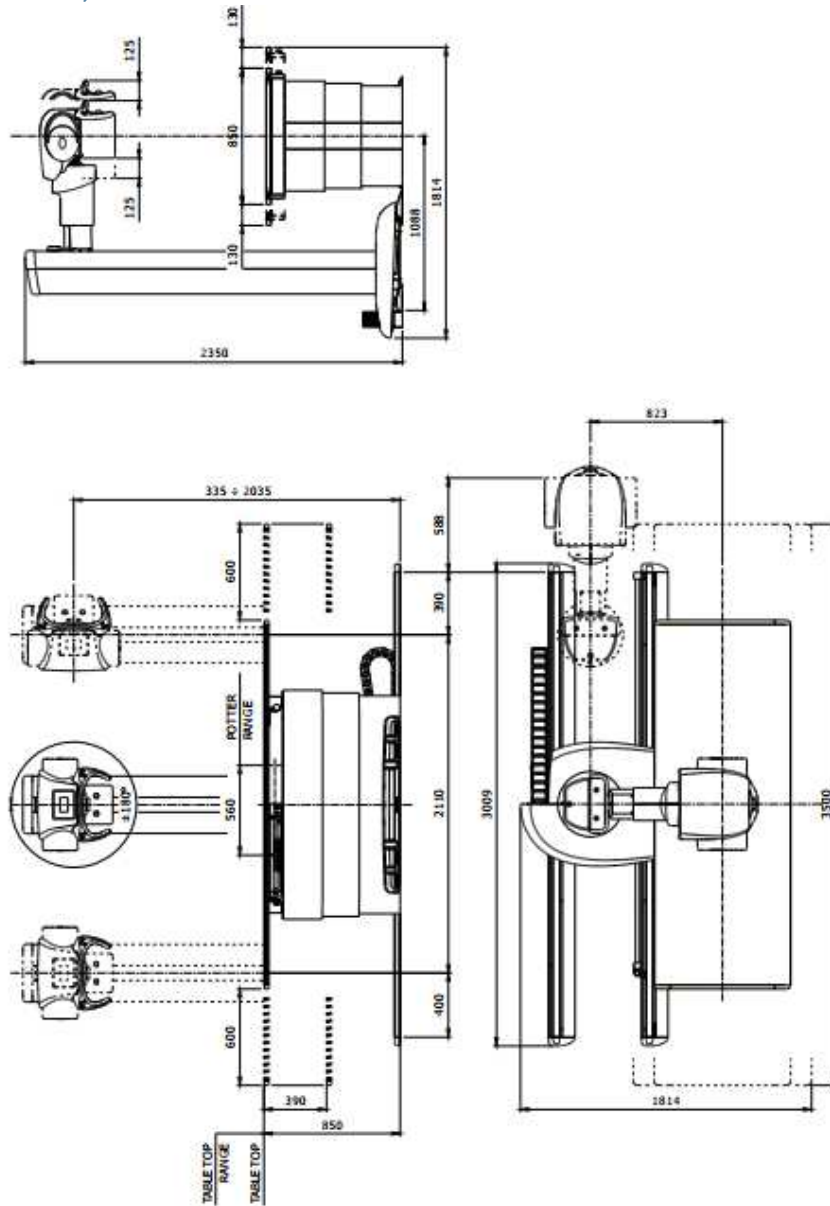
Standards and regulations



CE symbol grants the product compliance to the Regulation (EU) 2017/745



Dimensioni (in mm)



Note: Products are continuously under review in the light of technical advancement. The actual specification may therefore be subject to improvement or modification without notice.

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