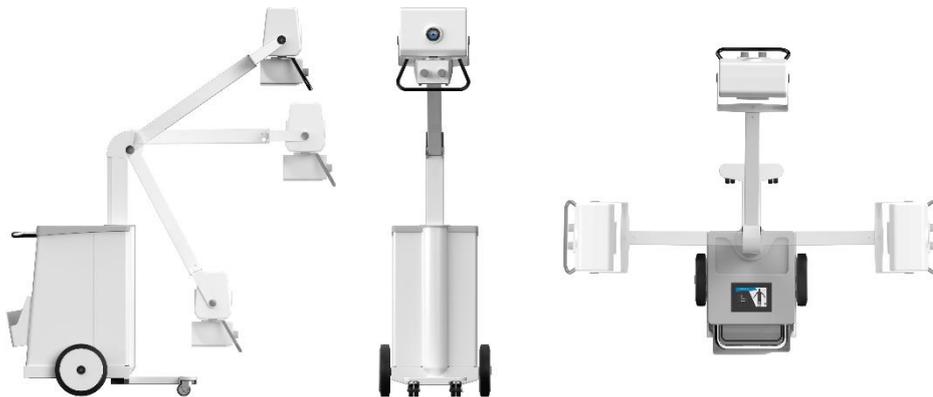


Corsix R

Analogic Mobile Unit
90° Arm Rotation Unit

Product Data



Cod. PDE-COR Rev. 01

CORSIX R

Corsix R (available power: 32 kW/16 kW /4 kW) is a mobile x-ray unit with +90°/-90° rotation of the the x-ray monoblock arm. Built with innovative design and advanced technology, Corsix R has been made to perform radiologic examinations and diagnostic investigations both in the department (Operating room, Sports Medicine, Plaster Room, Emergency Department, Paediatrics, Orthopaedics) and in the ward..

Corsix R operates with a 3-points technique (kV, mA, ms), or a 2-points technique (kV/mAs) selection generator, with the innovative function for **thickness selection** for each anatomical part, available as option.

Values and exposure time are always selected and displayed, automatically by the microprocessor, on the touch screen control panel before each exposure. Up to 900 examinations can be programmed and recalled. Programming by means of the alphanumeric keypad on the touch-screen, allows both name (ex. chest, abdomen...) and the parameters (kV and mA) to be entered

From the touch screen control panel user can also selects and displays: the collimator state, the dose value and the chosen anatomical x-ray exposure technique, stored to facilitate and shorten the setting operations requested by user.

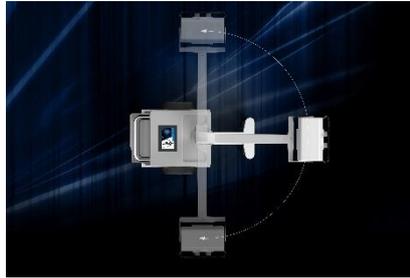
Corsix R is characterized with a **“dead man” breaking system** that with a comfortable handle both facilitates the push of the unit and its positioning. The breaking system is a “dead man” type and blocks the unit in any position, just releasing the handle.

An **automatic closedown** system (after 20 minutes of inactivity) prevents the unit from remaining in ON mode for prolonged time, so avoiding also x-ray tube focus always on.



MAIN CARACTERISTICS

THE ADVANTAGE OF THE +/- 90° ARM ROTATION



TOUCH SCREEN USER INTERFACE

Friendly user colors touch screen interface: the x-ray values (kV, mA, sec.) are always automatically displayed on the touch screen display before each exposure



MOVEMENT AND POSITIONING

Comfortable handle that both facilitates the push of the unit and its positioning



"ENERGY" OPTION FOR BATTERY POWERED SYSTEM

32 kW version can be provided with internal power supply (batteries) to protect the electronics from every voltage variation and for an operating autonomy up to 100 x-ray exposures.



OPERATING CONDITIONS

Operator interface	Rear-lit touch screen display for all the operating parameters and messages for any possible anomalous conditions. Managed by Microcontroller.
Radiography Exposure Control	Remote control pushbutton with double click (PREP - X-RAY)
Selectable languages	Italian, French, Spanish, English, German, etc.
Radiography with free technique	Selectable and pre-set up techniques, with the possibility of manual editing and 2-points (kV, mAs) and 3-points technique (kV, mA, s)
Preset for DAP camera	Yes ^(*)
Anatomic programs	Anatomical techniques programmed by colors touch screen display and selected by the name and/or anatomical area (up to 900)
Thickness selection modality ^(*)	
Automatic <i>closedown</i>	The unit is fitted with an automatic closedown system after 20 minutes of not use. This features prevent the unit from remaining on by mistake for long periods thereby avoiding jeopardising the x-ray tube operation (focuses always on)
Safety devices	<ul style="list-style-type: none"> -mA_{min} and mA_{max} safety device -Maximum X-ray tube load safety device -Maximum exposure time safety device -Temperature and Monobloc -Max kV, min kV, max I -Capacitor faulty -Starter anode faulty -Microprocessor auto-test with display of diagnostic messages

^(*) Optional

TECHNICAL SPECIFICATIONS

MECHANICAL CHARACTERISTICS

Version	32 kW	16 kW	4 kW
Arm rotation	± 90°		
X-ray tube rotation	± 180°		
X-ray tube rotation (z axis)	180°		
Width (parking position)	637 mm		
Length (parking position)	1370 mm		
Height (parking position)	1515 mm		
Max. focus height	2090 mm (32 kW R.A.)	2090 mm (16 kW R.A.)	2100 mm (4 kW F.A.)
Min. focus height	378 mm (32 kW R.A.)	378 mm (16 kW R.A.)	388 mm (4 kW F.A.)
Wheel diameter	300 mm		
Handling	Dead man brake		
Weight	235 kg (R.A.)	235 kg (R.A.)	205 kg (F.A.)
Cassette holder	35 x 43 cm		

RADIOLOGICAL CHARACTERISTICS

Maximum power	32 kW	16 kW	4 kW
Inverter frequency	40 ÷ 100 kHz		
Max ripple	<2% @ 100kV		
Monoblock type	MQD-30R	MQD-30R	MDQ-4F
mAs range	0,2 – 250 (29 steps) 0,2 – 320 (30 steps) (*) 0,2 – 100 (with Energy option, when battery powered)	0,2 – 250 (29 steps) 0,2 – 320 (30 steps) (*)	0,2 – 320 (30 steps)
mA range	50 - 400 mA ± 5%	50 - 400 mA ± 5%	40÷80 mA ± 5%
kV range	40 - 125 kV ± 5% (step di 1 kV)	40 - 125 kV ± 5% (step di 1 kV)	40 - 110 kV ± 5% (step di 1 kV)
Exposure time	0.002 – 2 sec.		
Exposition number	Unlimited (supplied by the mains) Max. 100 (with Energy option, when battery powered)		
Total filtration	> 2.5 mm Al (@ 70 kV)		
Monoblock thermic capacity	600 kJ (800 kHU)	600 kJ (800 kHU)	350 kJ (460 kHU)
Monoblock continuous thermal dissipation	85 W		
Anode type	Rotating (R.A.)	Rotating (R.A.)	Fixed (F.A.)
Anode speed	3000 rpm	3000 rpm	-
Anode angle	15°		
Focal spots	0,6x0,6 mm (S.F.) 1,3x1,3 mm (L.F.)	0,6x0,6 mm (S.F.) 1,3x1,3 mm (L.F.)	0,5x0,5 mm (S.F.) 1,5x1,5 mm (L.F.)
Max. power	11 kW (S.F.) – 32 kW (L.F.)	11 kW (S.F.) – 32 kW (L.F.)	0,8 kW (S.F.) – 4 kW (L.F.)

ACCESSORIES

DAP (dose area meter)

Printer (*)

Potter bucky pre-set (*)

AEC pre-set(*)

(*) Optional

TECHNICAL SPECIFICATIONS

INSTALLATION DATA

Mains voltage	230 Vac single phase
Frequency	50/60 Hz
Max Power Consumption	16 A (intermittent operation) < 1 A (continuous operation)

ENVIRONMENTAL CONDITIONS

OPERATING

Temperature	10°C ÷ 40°C
Humidity	30% ÷ 75%
Atmospheric Pressure	700 ÷ 1060 hPa

TRANSPORT AND STORAGE

Temperature	0°C ÷ 40 °C
Humidity	20% ÷ 90%
Atmospheric Pressure	500 ÷ 1060 hPa

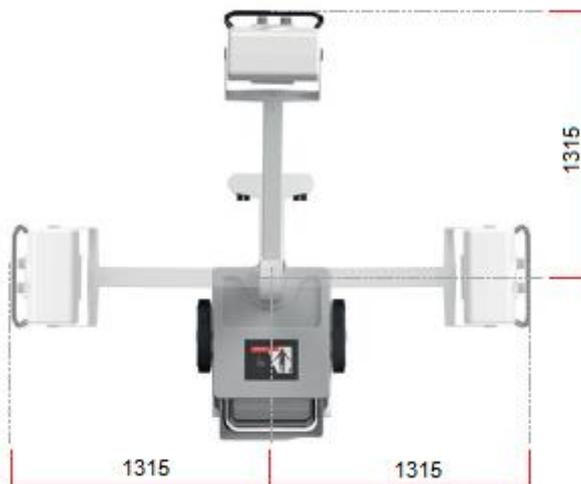
SIZE AND DIMENSIONS

CORSIX R

FRONT VIEW



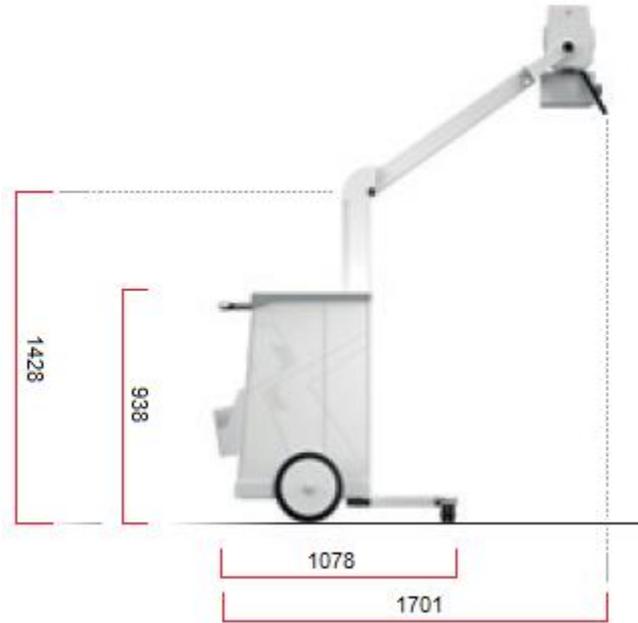
TOP VIEW



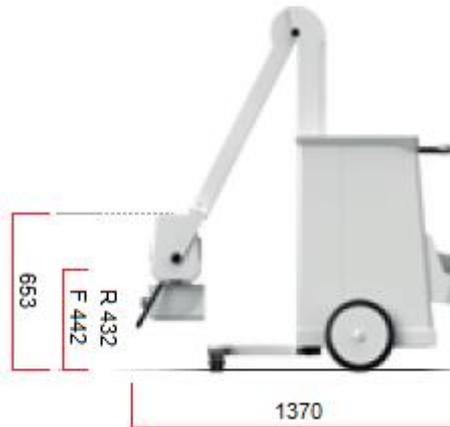
SIZE AND DIMENSIONS

CORSIX R

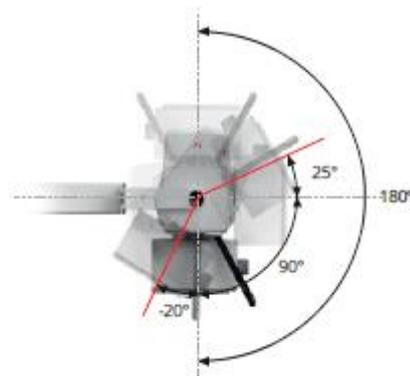
LATERAL VIEW



LATERAL VIEW



LATERAL VIEW



SIZE AND DIMENSIONS

CORSIX R

LATERAL VIEW



LATERAL VIEW



LATERAL VIEW



INSTALLATION AND WARRANTY

INSTALLATION

Only authorized technical personnel that has been appropriately trained by ITALRAY can install CORSIX R. Upon request, ITALRAY Installation Office can prepare system installation layouts (including eventual construction/electrical).

WARRANTY

ITALRAY guarantees its products for one (1) year from the delivery date. ITALRAY can offer to its customers a wide range of service plans that will perfectly fit all needs and preferences.

ITALRAY reserves the right to make modifications without any prior notice



CORSIX R

Turnkey Supplier

Siège: 27, Old Gloucester Street, LONDON, WC1N 3AX, (UK) - Tél. +44 20 3398 1339
Bureaux: 15 rue de la Garenne 27950 Saint-Marcel (France) Tél. +33 1 87 66 35 60
<https://ibsgroupe.com> – Email: dircom@ibsgroupe.com