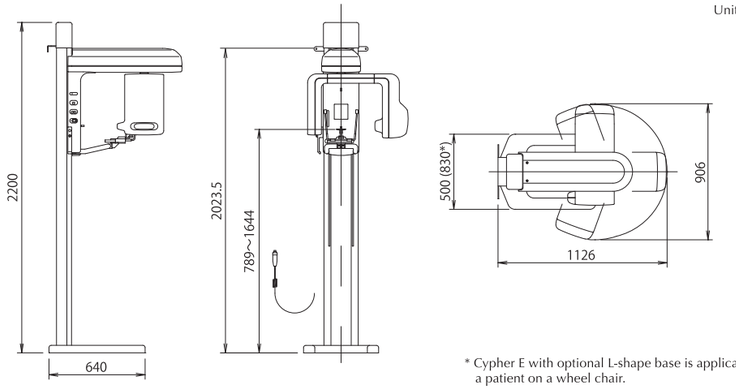
Imaging new visions.
ASAHIROENTGEN

Specifications

Product name	Digital Panoramic X-ray Unit NPX8800 series
Type	Cypher E
Rated Voltage	100/110/120/200/220/230/240V, 50Hz/60Hz 1φ
Power requirement	1.5 kVA
High voltage generator	High Frequency Inverter Method (100 kHz)
Tube voltage	60 to 80 kV (1 kV step)
Tube current	2 to 8 mA (1 mA step)
Radiography method	Manual exposure
X-ray tube	D-052SB
Focal spot	0.5 mm
Total filtration	2.5 mm Al (min)
Exposure mode	Panoramic : Adult/Child TMJ : Lateral
Exposure time	Panoramic : 10 sec Lateral TMJ : 2.5 sec (×4times)
Image magnification	Panoramic : 1.2 to 1.3 Lateral TMJ : 1.2
Image sensor	CMOS sensor
Positioning beam	3 beams (median, ear-eye plane, anterior teeth)
Dimensions	W:906×D:1,126×H:2,200 mm
Weight	Approx. 165 kg

Dimensions

Unit (mm)

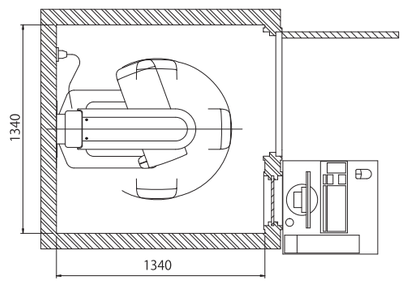


* Cypher E with optional L-shape base is applicable to a patient on a wheel chair.

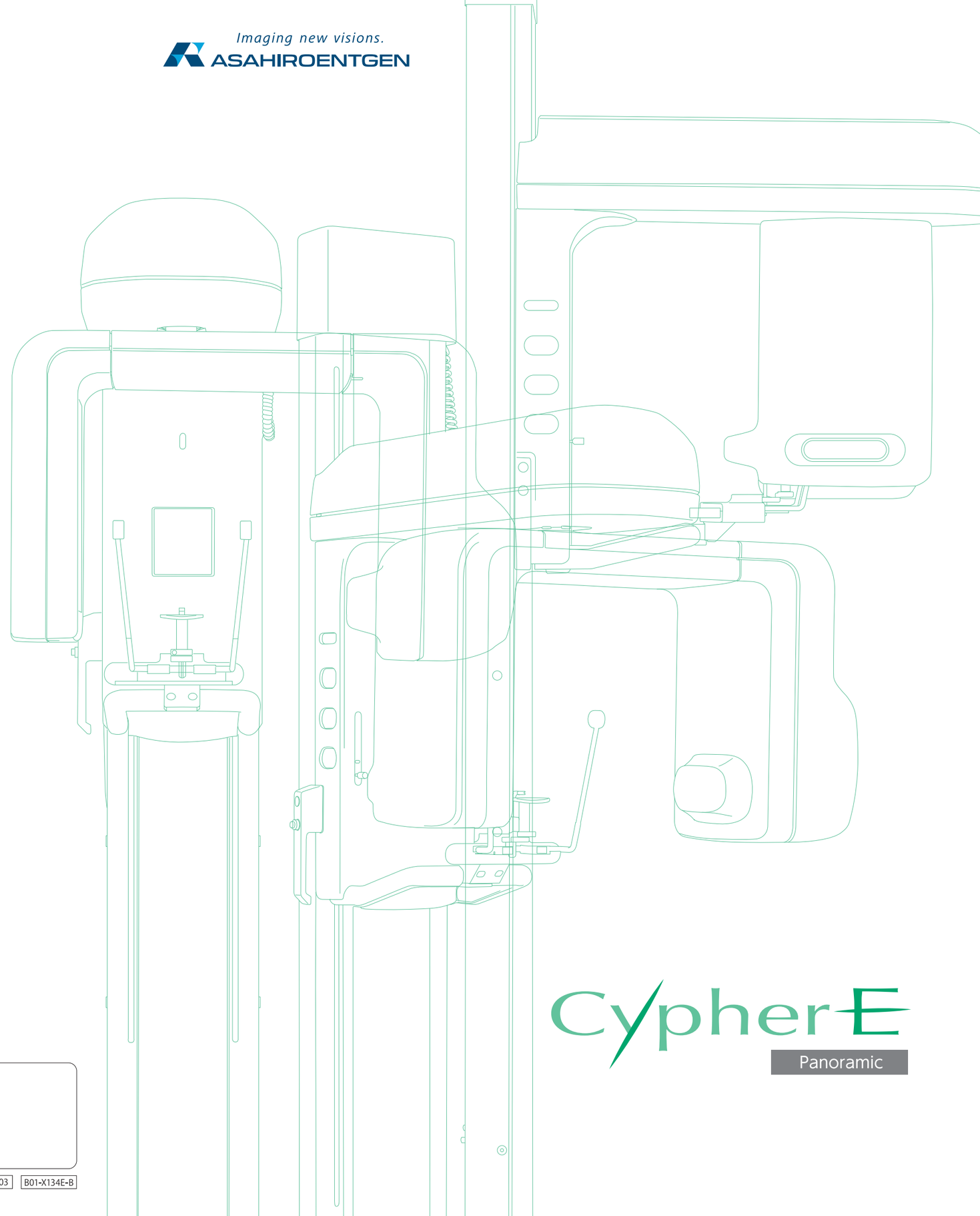
Footprint

[X-ray room]
Ceiling height:2300

Unit (mm)



*For optimum installation site, contact our sales representative.



Cypher E
Panoramic

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190220-003 B01-X134E-B

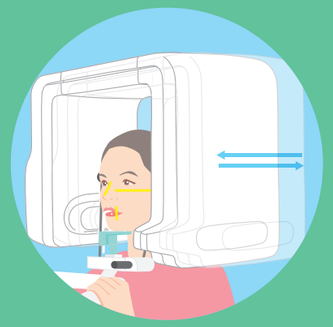
Evolution

Everywhere in the advanced dental clinics show kind consideration for the agreeable atmosphere for patient.
For example, gentle appearance and interior design of the clinic, cure space with full protection of privacy, creation of relaxing atmosphere by aromatherapy, …
The same consideration is also requested to X-ray unit which is essential for dental diagnostic.
Cypher E is a solution of the new generation digital panoramic X-ray unit attaching the importance to the provision of agreeable atmosphere for both patient and clinic.

CypherE
CypherE

■ Automatic positioning with laser beam

Cypher E moves automatically interlocking with 3 bright laser beams for positioning median, eye-ear plane and anterior teeth.This enables smooth work from positioning to exposure and reduces the load for operator and patient.



■ Digitization brings with it a number of advantages

- Easy conditional setting for exposure
- Reduction of X-ray dosage
- IT system for dental clinic
- Enhancement of quality of informed consent
- Environmental awareness

■ Panoramic exposure: 10 second

■ Swing type mirror for easy positioning

Both the patient and the operator can see the positioning state. This enables correct and quick positioning.

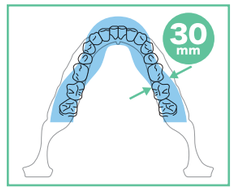
■ Realized speedy operation

Integrated operation panel and illustrated easy-to-know buttons are adopted.

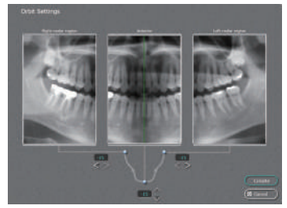
Tomosynthesis

Acquisition of Panoramic images in Tomosynthesis mode provides image data with a slice depth of 30mm.
It is now possible to clearly see the blurring of the front teeth image area even in positioning failure.

*For children, the acquisition area of panoramic image data is different.
*This function is available only in NEOPREMIUM2.

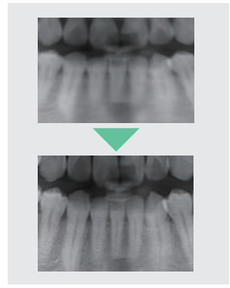


Automatic display can be performed with optimal slice positioning for the front entition area, from a region with a slice depth of 30 mm.



It is further possible to select an image from each of the front teeth and the left and right molars to obtain a set of images best matching the shape of the patient's dentition.

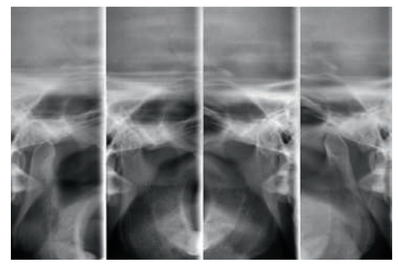
*Once a custom path has been saved, you cannot retrieve the default selection.



Clearer images can be displayed using data from 31 images spaced at 1 mm intervals.

Panoramic image (adult)

Panoramic image (child)



Lateral TMJ

Function+Design