

APPLICATION

The Advanced Image Reconstruction Unit is an optional unit available with the MRI system. This option is a high performance reconstruction PC unit to use Advanced intelligent Clear-IQ Engine (AiCE), Compressed SPEEDER for 3D sequences, etc.

APPLICABLE SYSTEM

This option is applicable to the following system.

Model number	System	Software version
MZDL-010B/S6	Vantage Galan 3T	V9.0 or later ¹⁾
MZDL-010B/S4	Vantage Orian with 45 mT/m gradient subsystem	V9.0 or later ¹⁾
MZDL-011B/S4	Vantage Orian with standard gradient subsystem	V9.0 or later ¹⁾
	Vantage Fortian	V9.0 or later ¹⁾

1) For the system has been software upgraded, this option also can be applied to the system with V9.0 or later.

COMPOSITION

MZDL-010B/S6

- Advanced Image Reconstruction Unit.....1 set
- Installation parts.....1 set
- Manuals.....1 set

MZDL-010B/S4

- Advanced Image Reconstruction Unit.....1 set
- Installation parts.....1 set
- Manuals.....1 set

MZDL-011B/S4

- Advanced Image Reconstruction Unit.....1 set
- HUB1 set
- Installation parts.....1 set
- Manuals.....1 set

PERFORMANCE SPECIFICATIONS

This option is a high performance reconstruction PC unit.

- CPU: 10-cores, 2.2 GHz
- Memory: 128 GB
- SSD: 960 GB

This unit is necessary for following applications.

- Advanced intelligent Clear-IQ Engine for MR (MSSW-DLR1)
- Compressed SPEEDER Application - 3D (MSSW-CS3D1)²⁾
- mART EXP Application (MSSW-MAR1)²⁾
- IMC Application (MSSW-MCO3)²⁾
- 10GbE High-speed reconstruction kit (MZNC-010A/S1)
- Free Breathing Dynamic Application (MSSW-DYDLR1/S1)
- PIQE Application (MSSW-HRDLR1/S1)

2) If the customer already has the Advanced intelligent Clear-IQ Engine for MR (MZDL-010A/S1, MZDL-010B/S1 or MZDL-010B/S3), do not need to purchase this Advanced Image Reconstruction Unit (MZDL-010B/S4, MZDL-010B/S6, or MZDL-011B/S4).

SITE PLANNING

Installation Location and Conditions

With respect to MZDL-010B, it is recommended that this option should be installed in the computer room.
Installation space 610 mm (width) × 1,700 mm (depth)

Ambient Conditions

Same as those for the MRI system.

The required capacity of the air conditioning facilities is increased by 0.6 kW when this system is installed.

Power Supply and Grounding

Power is supplied from the MRI system.

Installation of this option does not require an additional power supply unit or an increase in power supply capacity.

Acceleration of processing speed³⁾

By 10GbE High-speed reconstruction kit, the processing speed of the Advanced Image Reconstruction Unit is accelerated. This reduces reconstruction time and contributes to increased throughput.

3) 10GbE High-speed reconstruction kit (MZNC-010A/S1 or MZNC-011A/S1), which is an optional kit, must be required for this function.

Advanced Image Reconstruction Unit

INSTALLATION CONDITIONS

The power and environmental conditions are the same as for the MRI system.

COMPLIANCE WITH STANDARDS

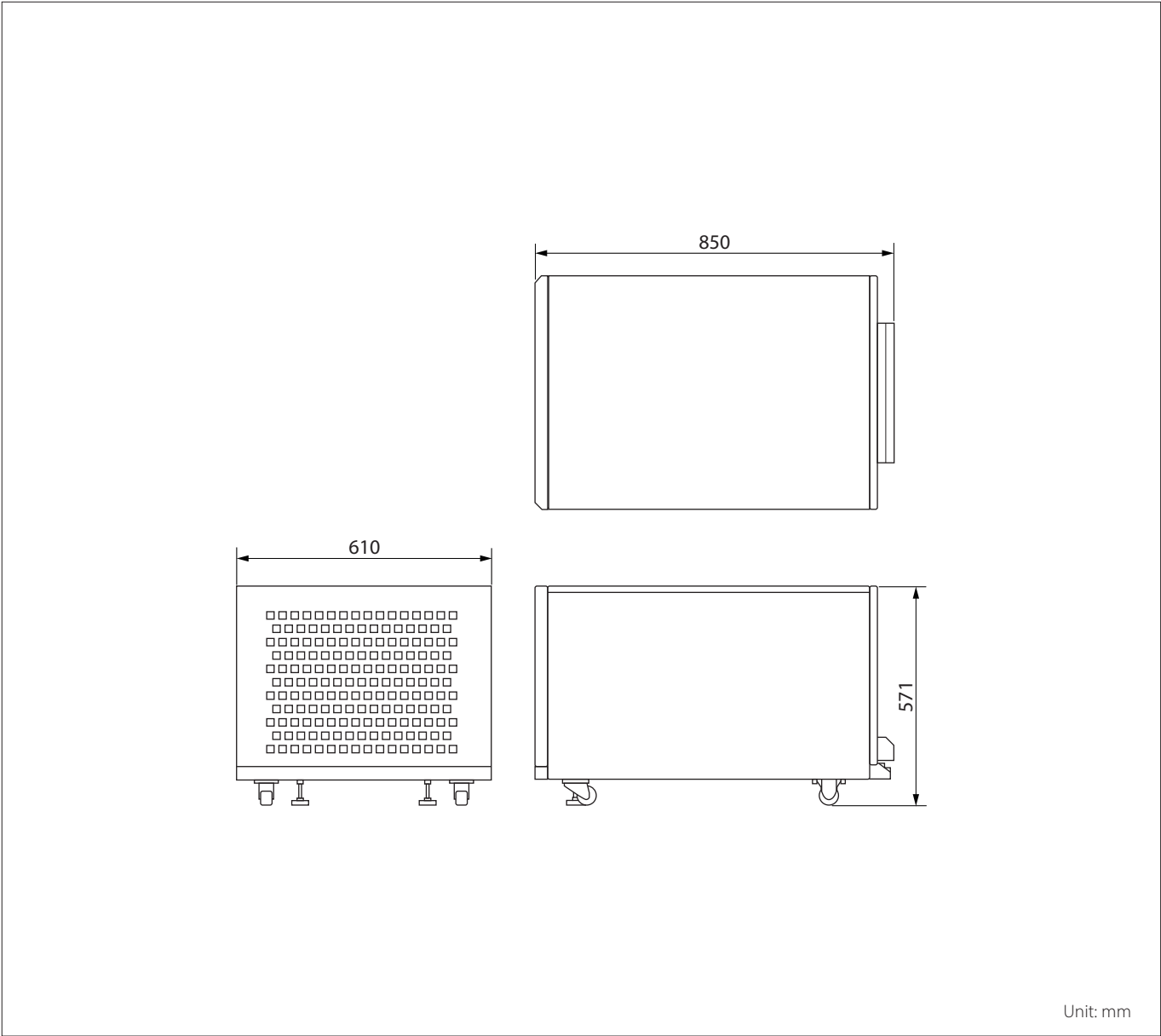
This package complies with the same standards as the MRI system.

MASS

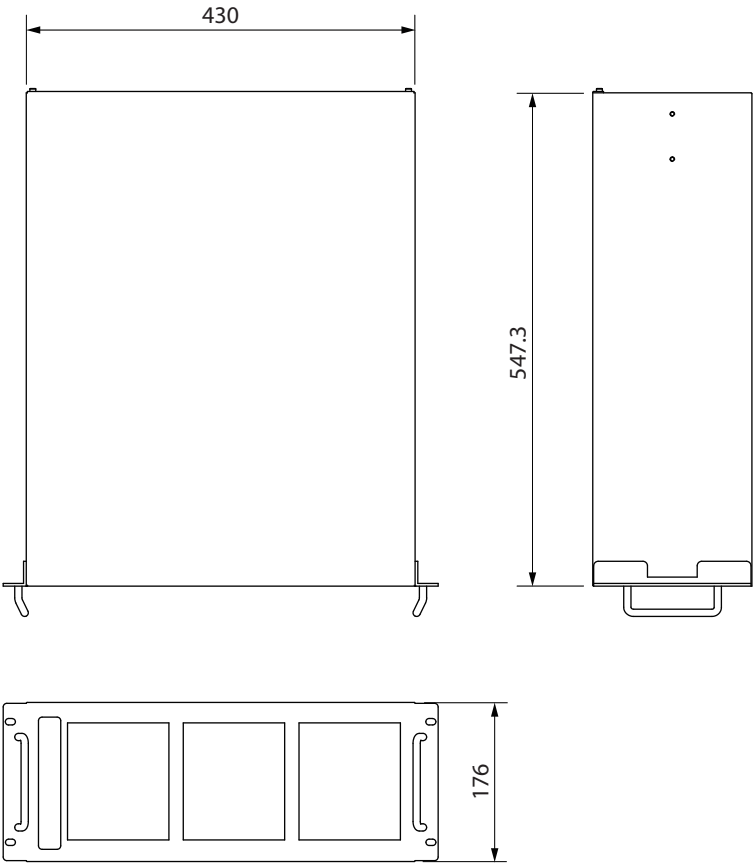
Unit	Dimensions W × D × H mm	Mass kg (Approx.)
Advanced Image Reconstruction Unit	610 × 850 × 571	90

Unit	Dimensions W × D × H mm	Mass kg (Approx.)
Advanced Image Reconstruction Unit	430 × 547.3 × 176	18
HUB	330 × 210 × 44	2

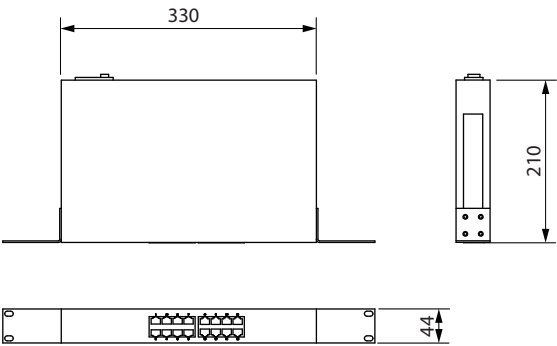
OUTLINE DRAWINGS (MZDL-010B)



OUTLINE DRAWINGS (MZDL-011B)



Advanced Image Reconstruction Unit



HUB

Unit: mm

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Canon Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.
Canon Medical Systems Corporation meets the Environmental Management System standard ISO 14001.

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