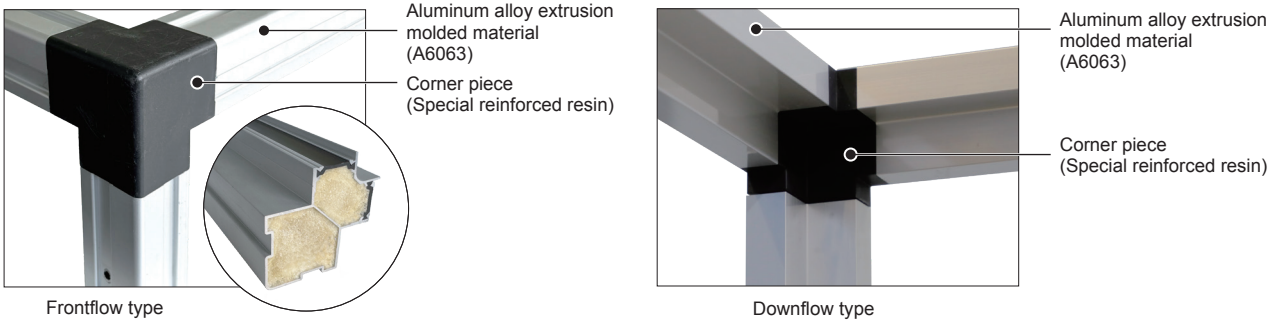


Air Handling Unit Main frame

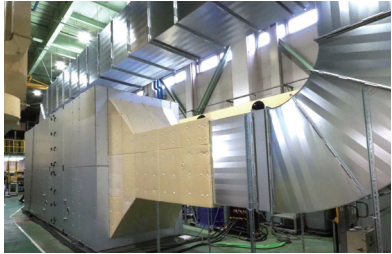
The aluminum frame use realizes a high rust-prevention effect and about 25% weight reduction



Commissioning

A specialist engineer provides support for L1 to L6 commissioning.
[Factory inspections (FAT & FWT)]
We implement capability measurement and function inspections and provide high quality products.

Test item	
Performance test	Air volume, external static pressure, power consumption, cooling coil capability and noise outside machine
Energization inspection	
Appearance and structural inspection	
Operation check	Test of automatic recovery of main power supply
	Controller failure test and UPS backup confirmation test
	Valve operation test and fan operation test
	Failure operation test and ATS switching test
Alarm function test	
BMS communication test	
Vibration test	
Harmonics check	



Capability test equipment



Measurement monitor

Service system

After product delivery, we provide rapid after-sales service from our maintenance department and our nationwide service network.

Inquiries

Either call your local sales department directly or use the address or QR Code below to make an inquiry.

<https://kubota-airconditioner.co.jp/en/contact/>



Kubota Air Conditioner Co., Ltd.

Head Office Kyobashi Trust Tower, 2-1-3 Kyobashi, Chuo-ku, Tokyo 104-8307 TEL.03-3245-3130

Sales Departments

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(Osaka) 1-1-1 Hama, Amagasaki-shi, Hyogo 661-8567 TEL.06-6470-5817

(Chubu) Daitokai Bldg., 3-22-8 Mei-eki, Nakamura-ku, Nagoya 450-0002 TEL.052-564-5081

(Kyushu) Sumitomo Life Insurance Hakata Bldg., 3-2-8 Hakata Eki-mae, Hakata-ku, Fukuoka 812-0011 TEL.092-473-2551

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(Osaka) 1-1-1 Hama, Amagasaki-shi, Hyogo 661-8567 TEL.06-6470-5823

Tochigi Plant 28-1 Hiraide-kogyo-danchi, Utsunomiya-shi, Tochigi 321-0905 TEL.028-661-3100

Quality Assurance Dept. 28-1 Hiraide-kogyo-danchi, Utsunomiya-shi, Tochigi 321-0905 TEL.028-661-3103

Research and Development Dept. 28-1 Hiraide-kogyo-danchi, Utsunomiya-shi, Tochigi 321-0905 TEL.028-661-3106

URL : <https://www.kubota-airconditioner.co.jp/>

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Sales contacts

Reliable air conditioning technology to support the future of data centers

Computer Room Air Handling Unit

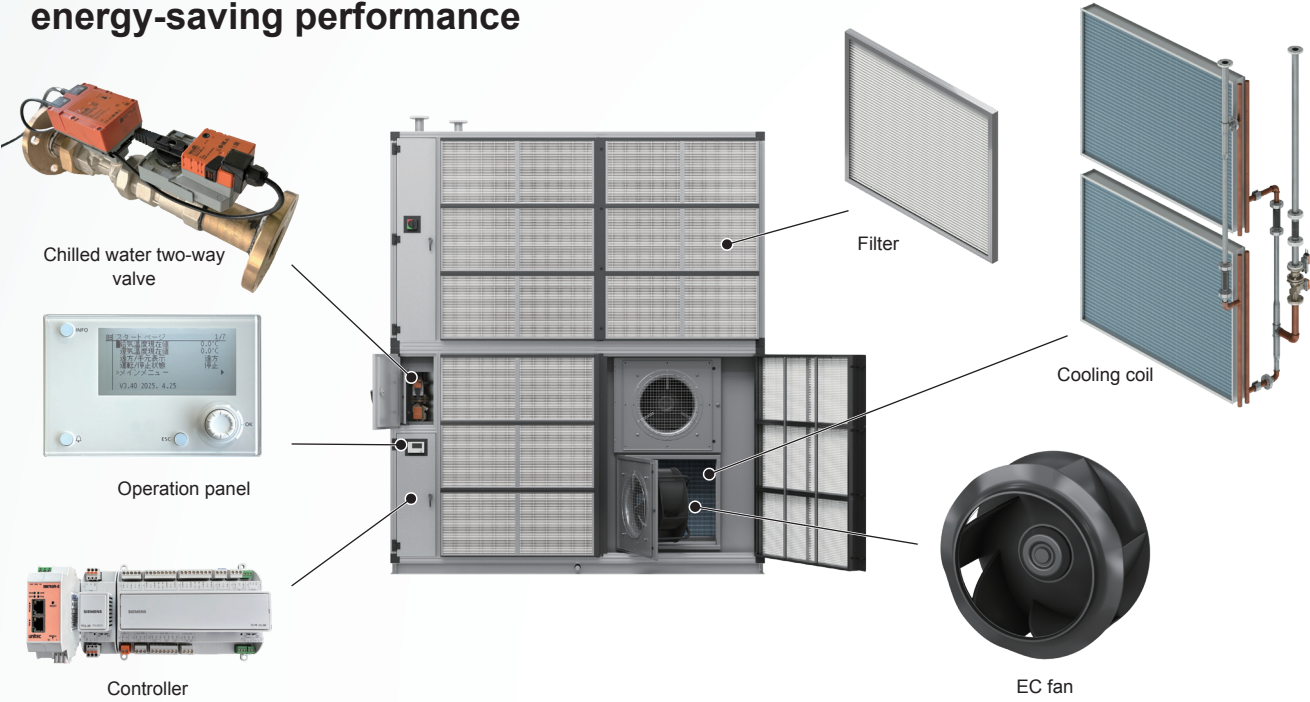


Frontflow type

Downflow type

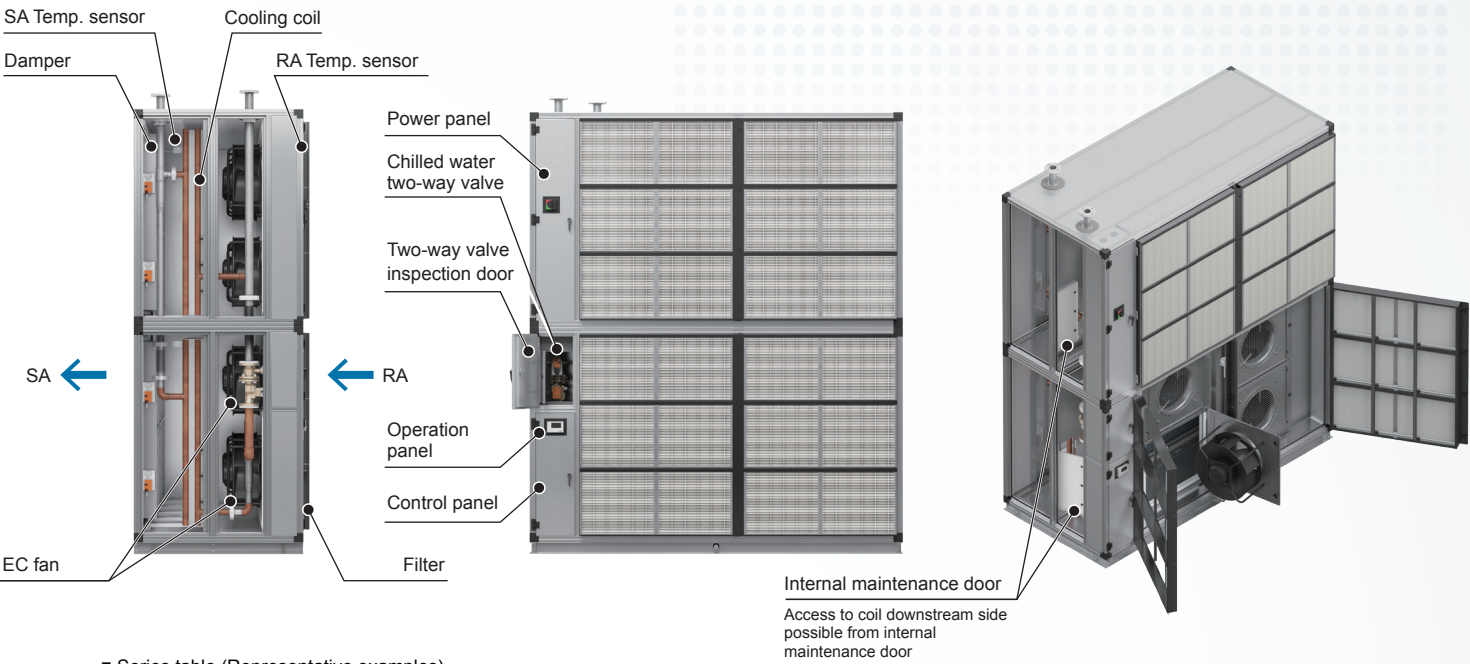
We propose the optimal air conditioning solutions to support the stable operation of data centers. We offer “**product customization**” to respond to the requirements of customers.

Component parts that realize both high performance and energy-saving performance



Frontflow type (Maintenance-oriented design)

- The design enables maintenance of all the equipment from the air handling unit RA side
- The filter part and fan installation part can be opened and closed

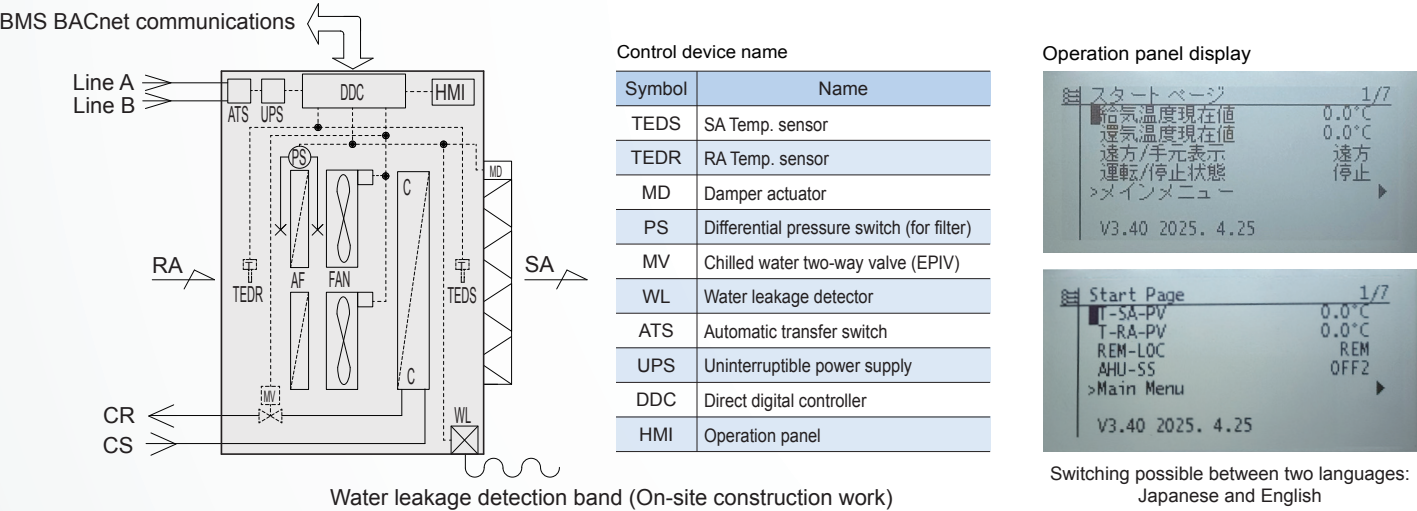


Series table (Representative examples)

Air volume	m³/h	40,000	60,000	80,000	100,000	120,000
Cooling coil capability	kW	146.7	220.0	293.3	366.7	440.0
EC fan	kW/Qty.	2.85/4	3.70/4	3.70/6	3.70/8	

- The space-saving type of side-face maintenance method is also supported.

Built-in autonomous control systems

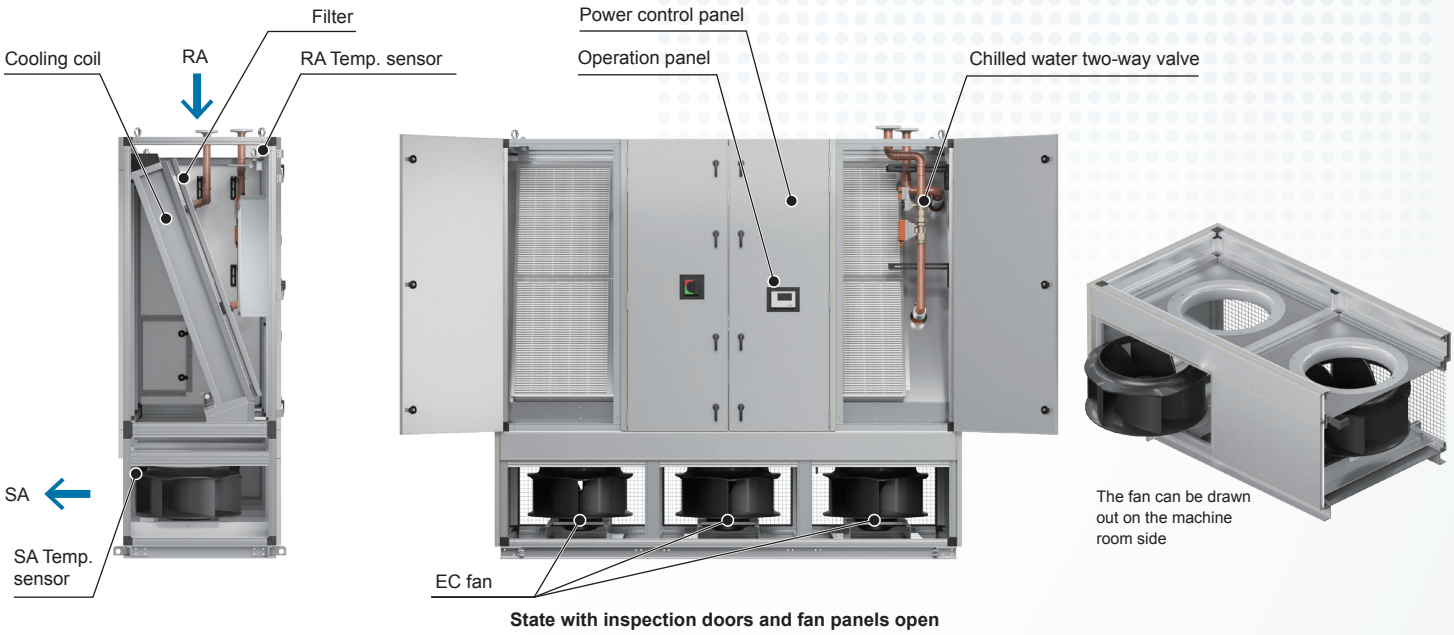


Item	Details
Communication	External communication: BMS: BACnet IP (ASHRAE) or Modbus
	Internal communication: (1) Fan and chilled water valve: Modbus RTU (2) Operation panel: RS485 (HMI only)
Control	Chilled water volume control: (1) SA Temp. constant control*1 (2) RA Temp. constant control*1,*2
	Fan speed control (Air volume control): (1) RA Temp. constant control*1,*2 (2) SA static pressure constant control*1 (3) Fan speed constant control*1
	Failure control: (1) Fan failure control (*1 AHU stop, continued operation, fan maximum operation) (2) Water leakage detection (Alarm)

*1 Select one of each control. *2 Select one or the other.

Item	Details
Function	Remote/local switching: Switching on operation panel
	Start/Stop function: Start/Stop by remote or operation panel
	Setpoint (Temperature, static pressure and speed): Setting by remote or operation panel
Option	Operation panel display/Monitoring item: Condition monitoring (Start and stop/Temperature/Chilled water valve/Fan) Failure and communications error (Each component) Alarm (Filter differential pressure, water leakage)
	External communications: Gateway (when BACnet IP IEIEJ)
	ATS and UPS: ATS: Automatic power switching when power is cut off. (Line A ↔ Line B) UPS: Power supply to control circuits during ATS switchover
	Monitoring item: Chilled water calorimetry
Group control	By customer request

Downflow type



Series table (Representative examples)

Air volume	m³/h	20,000	30,000	40,000	50,000
Cooling coil capability	kW	73.3	110.0	146.7	183.3
EC fan	kW/Qty.	2.85/2	2.85/3	3.70/3	3.70/4

Please refer to separate document for detailed dimensions of Computer Room Air Handling Unit.