ME-CDU

Coolant Distribution Unit (CDU)

In the acceleration towards an AI landscape, Mitsubishi Electric's ME-CDU is our new **Coolant Distribution Unit (CDU)** enabling an efficient, effective and reliable interface from liquid cooled servers to heat reuse or rejection - ensuring a continuous operation of the white space.

The **ME-CDU** is available in a single compact module, operating from 750kW to 1.2MW in capacity. Design for operating with the latest high density, high temperature servers, the equipment operates nominally with a Technology Cooling System (TCS) at 34°C / 24°C and a Facility Water System (FWS) at 20°C / 30°C - creating many opportunities for heat reclaim and reuse.

Provided with twin variable speed inverter pumps to give efficient operation and redundancy, the **ME-CDU** also has high quality 25-micron filters on the TCS, a touch screen display with advance control logic, and flexibility with the option for top or bottom connections. Along with the Mitsubishi Electric's vast portfolio of chillers, heat pumps, fan walls, CRACs and CRAHs, our new **ME-CDU** matches perfectly to your evolving requirements.

Key Features & Benefits:

- Available in a single compact module
- 4 capacities from 750kW to 1.2MW
- Engineered for stability, precision and continuity
- Efficient operation variable speed hydronic pumps in redundant configuration
- Advanced controls with touch screen interface and energy monitoring
- Inbuilt redundancy of pumps, temperature and pressure sensors and automatic refill tank to maintain pressures against micro-leaks
- Safe operation with 25-micron filter on the TCS and a 500-micron filter on the FWS
- Enhanced control capabilities, including water conductivity monitoring, pH and hardness sensing unique within this category combined with a newly designed HMI developed specifically for CDU applications
- Ready to integrate in hybrid cooling applications and heat reuse systems

ME-CDU
Coolant Distribution Unit (CDU)

ME-CDU		750	900	1100	1200
DIMENSIONS					
WIDTH (A)	mm	1,100	1,100	1,100	1,100
DEPTH (B)	mm	1,500	1,500	1,500	1,500
HEIGHT (H)	mm	2,100	2,100	2,100	2,100
PERFORMANCES[*1]					
COOLING CAPACITY	kW	750	900	1,100	1,200
EER	W/W	74.3	83.3	77.5	67.0
APPROACH DELTA T	K	4	4	4	4
PLANT SIDE (FWS)[*2]					
FLUID		WATER	WATER	WATER	WATER
FLUID FLOW	m^3/h	64.5	77.4	94.6	103.2
PRESSURE DROPS	kPa	80	83	87	95
CONNECTIONS	inch	4	4	6	6
FILTERS	No.	1	1	1	1
SERVER SIDE (TCS)					
FLUID		PROPELYNE GLYCOL 25%	PROPELYNE GLYCOL 25%	PROPELYNE GLYCOL 25%	PROPELYNE GLYCOL 25%
FLUID FLOW	m^3/h	68.3	81.9	100.2	109.3
CONNECTIONS	inch	4	4	6	6
INTEGRATED PUMP(S) CONFIGURATION		1+1	1+1	1+1	1+1
FILTERS	No.	3	3	3	3
ELECTRICAL DATA					
POWER SUPPLY[*3]		400V / 3ph / 50Hz	400V / 3ph / 50Hz	400V / 3ph / 50Hz	400V / 3ph / 50Hz
MAX POWER CONSUMPTION	kW	15.0	17.0	22.5	26.0
PUMPS POWER INPUT @200 kPa Available Head	kW	10.1	10.8	14.2	17.9
PUMPS POWER INPUT @350 kPa Available Head	kW	13.4	17.4	21.5	25.9

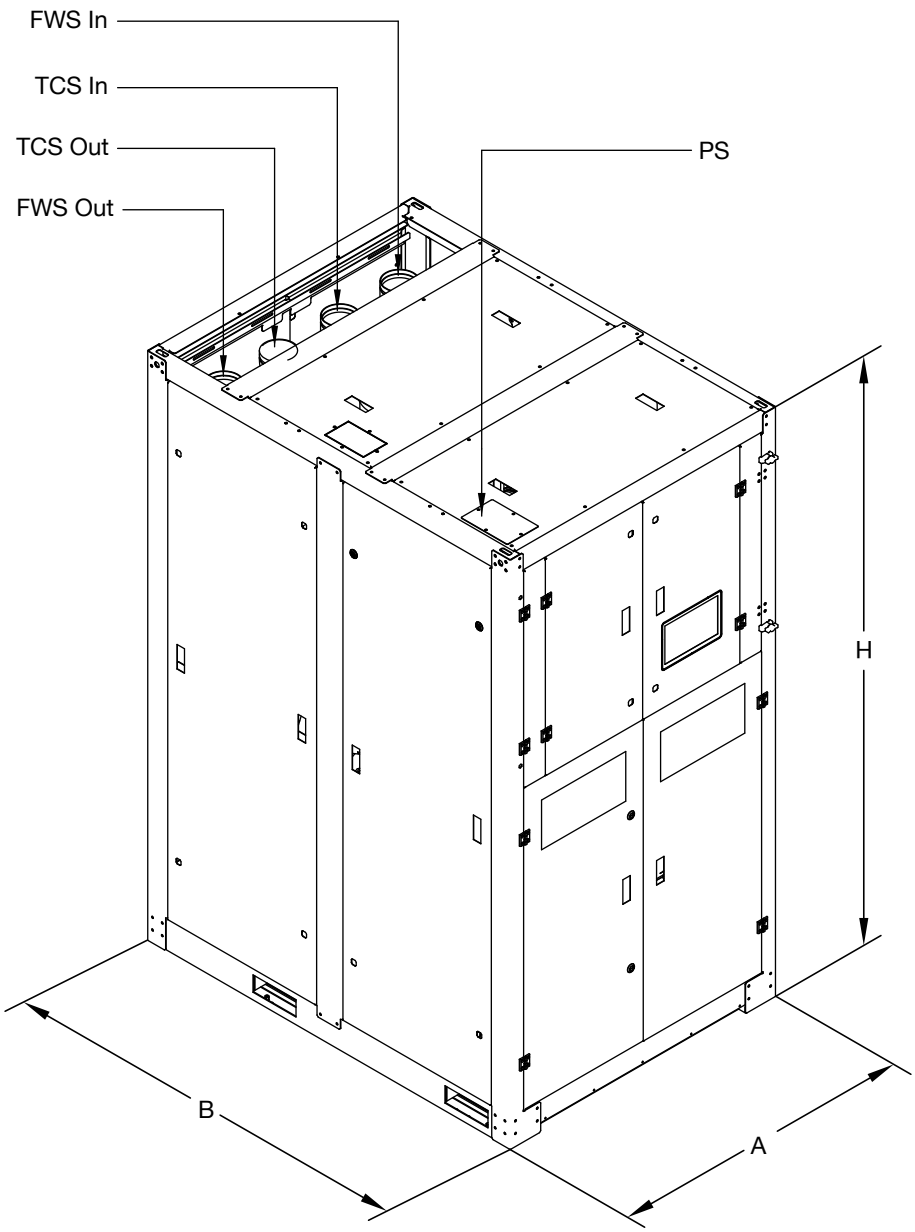
Notes:

*1 Performance based on the following condition: Plant Side using water at 20/30°C; Server side using 25% propelyne glycol at 34/24°C.

*2 Plant side pumps external to the CDU.

*3 60Hz power supply options available.

ME-CDU DIMENSIONS



FWS In = Facility Water System Inlet

FWS Out = Facility Water System Out

TCS In = Technology Cooling System Inlet

TCS Out = Technology Cooling System Outlet

PS = Power Inlet

MITSUBISHI ELECTRIC
Changes for the Better

Telephone: **01707 282880**
email: **air.conditioning@meuk.mee.com**
les.mitsubishielectric.co.uk

@meuk_les
@green_gateway

Mitsubishi Electric Living Environmental Systems UK

Mitsubishi Electric Cooling and Heating UK

mitsubishielectricuk_les

Mitsubishi Electric Living Environmental Systems UK

BLOG thehub.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880
IRELAND Mitsubishi Electric Europe, Plunkett House, Grange Castle Business Park, Nangor Road, Dublin 22, Ireland. Telephone: (00353) 1 4198800 Email: sales.info@meir.mee.com Web: les.mitsubishielectric.ie

Note: The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R515B (GWP:292), R454C (GWP:148), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a hydrocarbon, R290 (GWP:0.02). *These GWP values are based on IPCC 6th edition.

Effective as of February 2026

Green Gateway greengateway.mitsubishielectric.co.uk