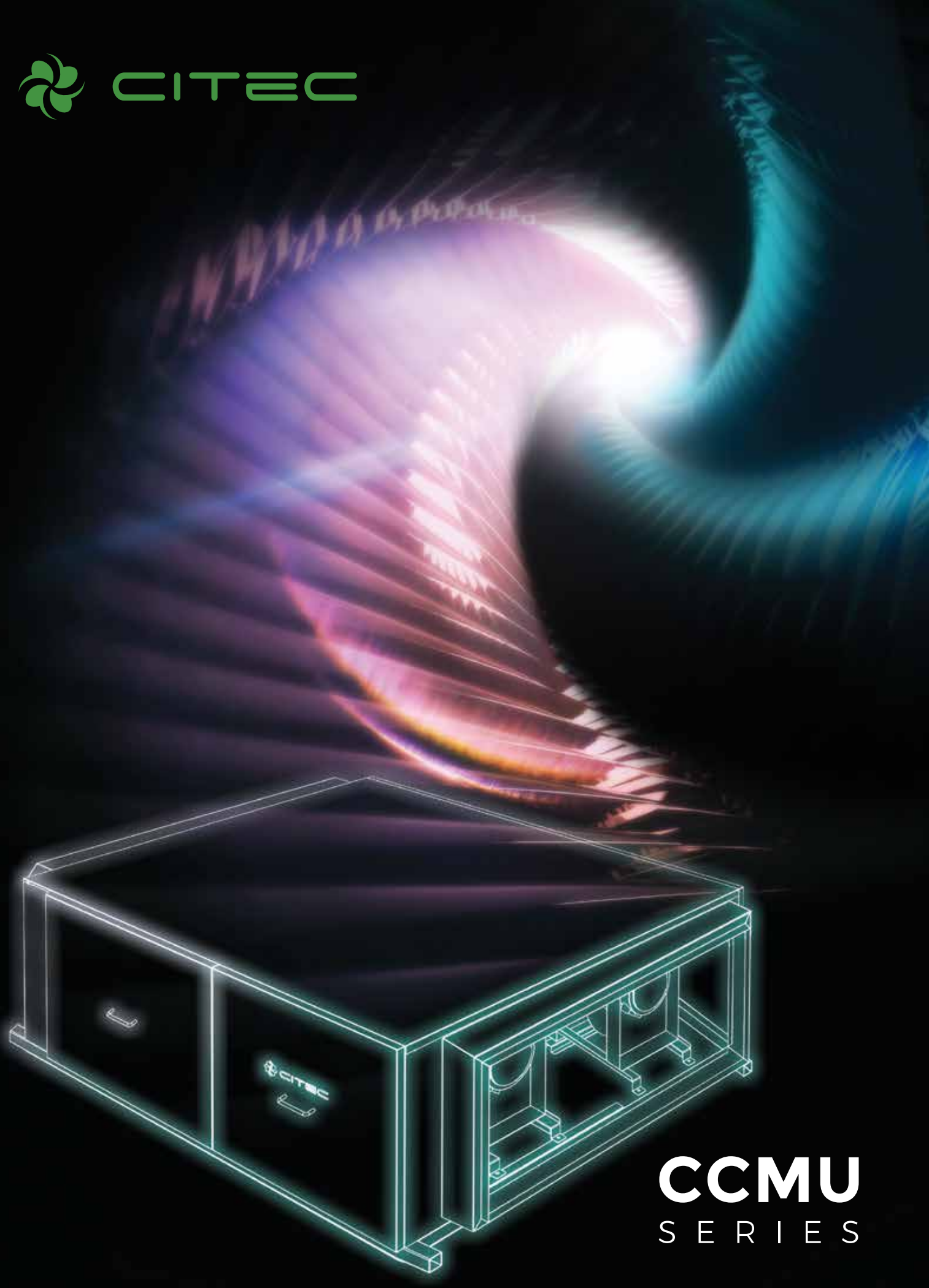
CITEC



CCMU
SERIES

CCMU SERIES

CITEC CCMU series are immaculately designed exclusively for ceiling-mounted application; an ideal solution for small spaces or constraint areas without consuming valuable floor space. CCMU series offers a direct expansion system and chilled water system that allows installation flexibility.

FEATURES & BENEFITS

- Slim and compact design to fit into ceiling space.
- Factory fitted supply and return duct connection flange for on-site ease of installation.
- Equipped with CITEC Genius 5+ controller with BMS interface.
- Variable speed EC fan for airflow modulation to adapt to thermal load requirements.
- High accuracy Electronic Expansion Valve (EEV) for Direct Expansion system.
- The chilled water system comes with a 2-way modulating valve for chilled water flow control.
- High-efficiency G4 MERV8 filter.

OPTIONAL

- Humidifier for humidification control.
- Attractive touch screen color display with temperature and humidity trend graph feature, including component operational status.
- Externally mounted display in room space for ease of access.
- BMS Connectivity
- Water Leak Detection System
- Dual Power Supply

CCMU SERIES

Technical Specification

Air Cooled

UNIT MODEL (CCMU XX AE)		8	12	16
Gross Total Capacity	kW	9.01	12.32	16.64
Gross Sensible Capacity	kW	9.01	11.52	16.64
S.H.R		1	0.94	1
GENERAL DATA		**8**	**12**	**16**
Nominal Air Flow	m3/s	0.9	0.9	1.4
No. of Fan(s)		1	1	2
No. of Compressor		1	1	1
No. of Refrigerant Circuit		1	1	1
Sound Level	dBA	57	57	58
CONDENSER		**8**	**12**	**16**
Nominal Condenser		HEC194	HEC234	HEC234
HEATER & HUMIDIFIER (OPTION)		**8**	**12**	**16**
Nominal Heater Capacity	kW	6	6	6
No. of Heater Step		1	1	1
Nominal Humidfier Capacity	kg/hr	3	3	3
UNIT DIMENSION & WEIGHT		**8**	**12**	**16**
Length	mm	980	980	1300
Depth	mm	1450	1450	1450
Height	mm	610	610	610
Gross Weight	kg	180	190	280
Minimum Threaded Rod Size		M20 / ¾"	M20 / ¾"	M24 / 1"

Notes:
1. Cooling capacity is based on 24°C, 45%RH, R407C refrigerant, 45°C condensing temperature, 400V/3ph+N/50Hz power supply, 150Pa ESP.
2. Sound level is measured at 1m in free field conditions.
3. Nominal air cooled condenser sizing is suggestion only based on 35°C ambient & nominal operating condition. Other sizes may be selected to suit requirement as necessary.

Chilled Water

UNIT MODEL (CCMU XX CE)		8	10	12	16	20
Gross Total Capacity	kW	9.31	11.05	13.33	16.90	20.36
Gross Sensible Capacity	kW	8.75	10.18	12.56	15.91	18.60
S.H.R.		0.94	0.92	0.94	0.94	0.91
GENERAL DATA		**8**	**10**	**12**	**16**	**20**
Nominal Air Flow	m3/s	0.9	0.9	1.1	1.6	1.6
No. of Fan(s)		1	1	1	2	2
Sound Level	dBA	57	57	58	60	60
CHILLED WATER COIL		**8**	**10**	**12**	**16**	**20**
Nominal Water Flow Rate	l/s	0.43	0.52	0.64	0.79	0.97
Water Pressure Drop	kPa	53.2	73.0	33.5	50.0	77.5
HEATER & HUMIDIFIER (OPTION)		**8**	**10**	**12**	**16**	**20**
Nominal Heater Capacity	kW	4	4	6	6	6
No. of Heater Step		1	1	1	1	1
Nominal Humidifier Capacity	kg/hr	3	3	3	3	3
UNIT DIMENSION & WEIGHT		**8**	**10**	**12**	**16**	**20**
Length	mm	780	780	980	1300	1300
Depth	mm	1450	1450	1450	1450	1450
Height	mm	610	610	610	610	610
Gross Weight	kg	120	130	170	230	250
Minimum Threaded Rod Size		M16 / ⅝"	M16 / ⅝"	M20 / ¾"	M24 / 1"	M24 / 1"

Notes:
1. Cooling capacity is based on 24°C, 45%RH, Chilled Water in/out based on 7/12°C, 400V/3ph+N/50Hz power supply, 150Pa ESP.
2. Sound level is measured at 1m in free field conditions.

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