CLIVET

R410a

PRODUCT CATALOGUE

MideaGroup
humanizing technology

40
agencies in Italy

630
employees in Italy
and abroad

75
countries we export to

2016
A Group Company of
Midea

2015
Clivet Live is born

50.000 m²
of plants in Feltre,
Belluno - Italy

6
branches: Great Britain, Germany, Spain,
Russia, UAE, India

140
service centres

FORTUNE GLOBAL 500

Midea Group **#288** in 2020

40.44 $M
of Midea turnover

For 30 years we have been offering solutions
to ensure sustainable comfort and the well-being of people and the environment

In 30 years of working on the design, manufacturing and distribution of air conditioning and handling systems, combining high efficiency with minimal environmental impact, Clivet has developed solutions to ensure sustainable comfort and the well-being of people and the environment.
Designing and developing year-round air conditioning solutions with innovative technologies are part of Clivet's DNA, which means the company has always been ready for the future.

Our values
in the residential, commercial and industrial sectors

Increasing comfort, saving energy and providing customers with the best value for the entire life cycle of the system: these are the values that inspire our systems for the residential, services and industrial sectors.

INCREASE COMFORT LEVEL

REDUCE ENERGY CONSUMPTION

REDUCE TOTAL LIFE CYCLE COST

Top discharge
A5 ducted unit

❖ Meet ESMA and ADQCC certificate

❖ Suitable for using refrigerant R410A

❖ 3-speed indoor fan for enhanced comfort

❖ Blue hydrophilic fin & inner grooved copper pipe

❖ Air intake filter as standard

❖ Outdoor fan motor insulation class: IP44

❖ High temperature operation - Cooling: from 17℃ to 52℃

❖ Long piping length. Max. equivalent piping length: 55m;

  Max. vertical distance between ODU and IDU: 46m. (Notes: ODU is up.)

❖ Cooling only

Appearance & Main Features

ODU   Ducted IDU

18/24/30/36kBtu/h   48/60kBtu/h

Wired Controller	Wireless Controller	Group Controller	WIFI & BMS
WDC-86E/K	**RM05**	**CCM30**	**Gateway**
Standard	Optional	Optional	Optional

High temperature operation

17℃   52℃

COOLING MODE
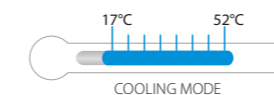
Panasonic DC type indoor fan motor

Only available for 48K/60K Unit

Multiple Protection

(HP/LP switch and discharge temp. sensor ,etc.)

Metal fan blower and blade, more reliable.

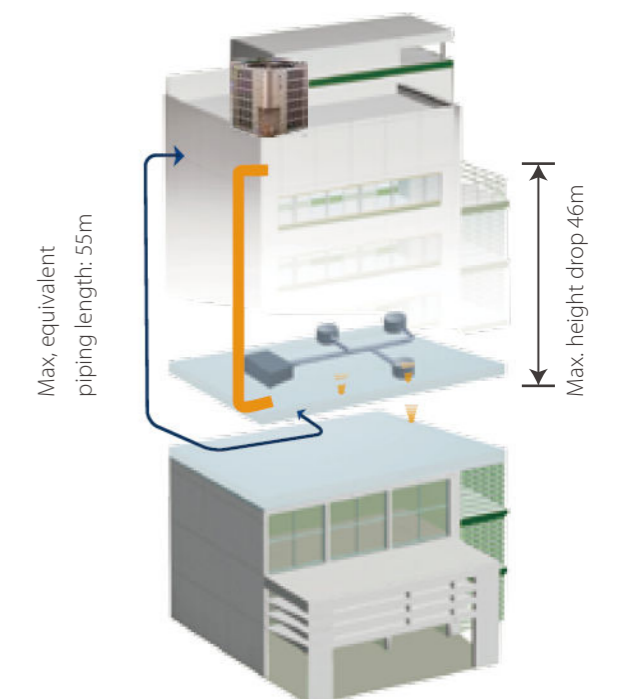Outdoor unit fan axial metalfan IP44 and insulation class F

Nylon washable Filter(Standard)

Centrifugal fan blower

Only available for 48K/60K Unit

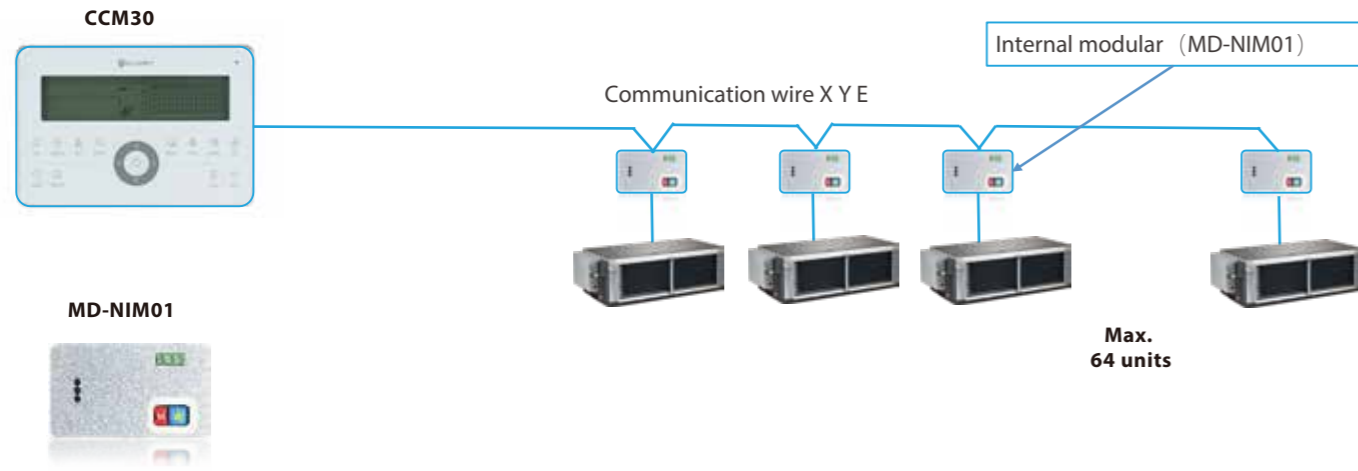Max, equivalent piping length: 55m

Max. height drop 46m

Longer Piping & Higher Vertical distance

•Max. piping length: 55m,
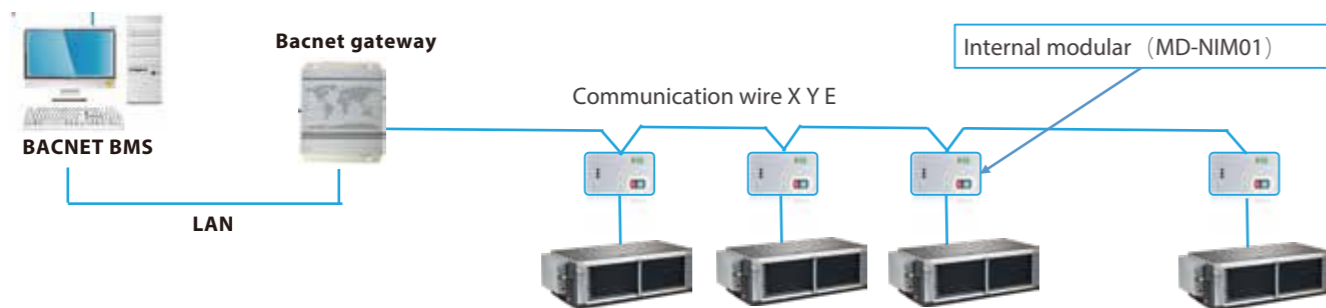•Max. vertical distance between ODU and IDU: 46m.

•Only available for 48K/60K Unit

* Group controller CCM30 is optional

CCM30

MD-NIM01

Internal modular （MD-NIM01）

Communication wire X Y E

Max.
64 units

* Smart phone APP control is available via the internal modular, data converter and router.

Data converter (CCM-15)

Internal modular （MD-NIM01）

Communication wire X Y E

LAN cable

Max.
64 units
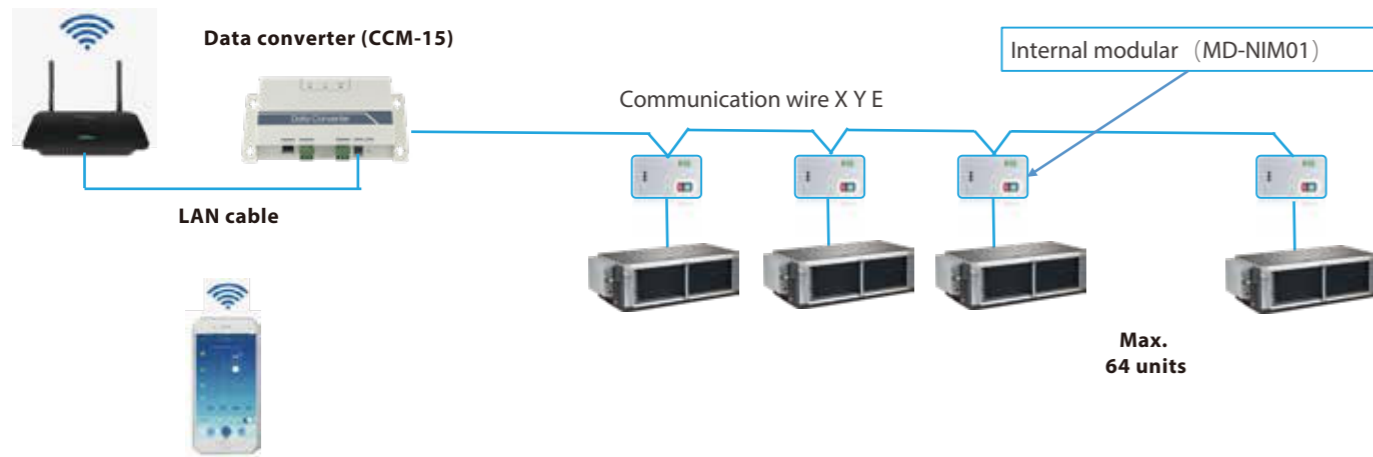
* BMS control is available via the internal modular, BMS gateway.

Bacnet gateway

Internal modular （MD-NIM01）

Communication wire X Y E

BACNET BMS

LAN

Check BMS gateway model with factory

Specification

Indoor unit			CMT-XM 18MC	CMT-XM 24MC	CMT-XM 30MC	CMT-XM 36MC	CMT-XM 48MB	CMT-XM 60MB
Outdoor unit			MSAT-XM 18MA-G	MSAT-XM 24MA-G	MSAT-XM 30MA-G	MSAT-XM 36MA-G	MSAT-XM 48TC-C	MSAT-XM 60TC-C
Power supply	Indoor unit	V/Ph/Hz	220~240V~1Ph-50Hz				220~240V~1Ph-50Hz	
	Outdoor unit	V/Ph/Hz	220~240V~1Ph-50Hz				380V~415V-3Ph-50Hz	
Cooling	T1 Capacity	Btu/h	18000	24200	31600	35400	48000	57000
	T3 Capacity	Btu/h	15600	21600	27800	30600	44500	51000
	EER (T1/T3)	Btu/(h·W)	11.6/8.5	11.6/8.5	11.6/8.5	11.6/8.5	12.5/9.4	11.7/8.6
Compressor	Brand		GMCC	GMCC	GMCC	GMCC	Copeland	Copeland
	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll
Motor	Indoor unit	Brand	Welling	Welling	Welling	Welling	Panasonic	Panasonic
		Type	AC	AC	AC	AC	DC	DC
	Outdoor unit	Brand	Welling	Welling	Welling	Welling	Welling	Welling
		Type	AC	AC	AC	AC	AC	AC
Fan	Indoor unit motor	Material	Plastic	Plastic	Plastic	Plastic	Metal	Metal
	Outdoor unit motor	Material	Metal	Metal	Metal	Metal	Metal	Metal
Air flow	Indoor unit*	CFM	662/530/487	1025/900/787	985/866/757	1088/985/866	1700/1550/1450	1950/1650/1500
	Outdoor unit	CFM	1600	1440	3440	3110	3688	3418
Indoor standard ESP		Pa	25	25	37.5	37.5	50	50
Indoor ESP range		Pa	0-50	0-100	0-100	0-100	0-125	0-125
Noise level	Indoor unit	dB(A)	43/40/39.5	46/43.5/41.5	46/43.5/41.5	49/46/43.5	58/57/56	55/53/51
	Outdoor unit	dB(A)	57	62	66	63	62	63
Connection pipe	Liquid side	mm	Φ9.5	Φ9.5	Φ9.5	Φ9.5	Φ9.5	Φ9.5
	Gas side	mm	Φ15.9	Φ19.1	Φ19.1	Φ19.1	Φ19.1	Φ19.1
	Max. equivalent refrigerant pipe length	m	25	25	30	30	55	55
	Max. difference in level	m	15	15	20	20	46	46
Net dimension (W×H×D)	Indoor unit	mm	1220x210x500	1230x270x775	1230x270x775	1230x270x775	1311×422×692	1311×422×692
	Outdoor unit	mm	554x633x554	554x633x554	740×843×740	710x759x710	740×843×740	740×843×740
Packing (W×H×D)	Indoor unit	mm	1360x292x560	1355x350x795	1355x350x795	1355x350x795	1436×450×768	1436×450×768
	Outdoor unit	mm	582x667x582	582x667x582	768×877×768	738x793x738	768×877×768	768×877×768
Net/Gross weight	Indoor unit	kg	27.2/31.8	39.5/46	39.5/46	39.5/46	68/76	68/76
	Outdoor unit	kg	49/52	53/56	75/80	77/81	89.6/94.6	96.4/101.4
Ambient temperature operation range	Cooling	℃	17-52	17-52	17-52	17-52	17-52	17-52

Notes:
1. The capacity is based on the following conditions:
T1 cooling: Indoor temperature 27℃ DB/19℃ WB; Outdoor temperature 35℃ DB.
T3 cooling: Indoor temperature 29℃ DB/19℃ WB; Outdoor temperature 46℃ DB.
The refrigerant piping length between indoor unit and outdoor unit is 7.5m.
2. ESP: External static pressure.
3. Wire controller (5V) is standard, remote control is optional.
*: Indoor unit airflow volume is based on the standard ESP.