

# Light Commercial Air Conditioner Z-LITE Series



 **TRACE COOL**



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- High Efficiency
- Inverter Technology
- High Reliability
- Better Comfort
- Health

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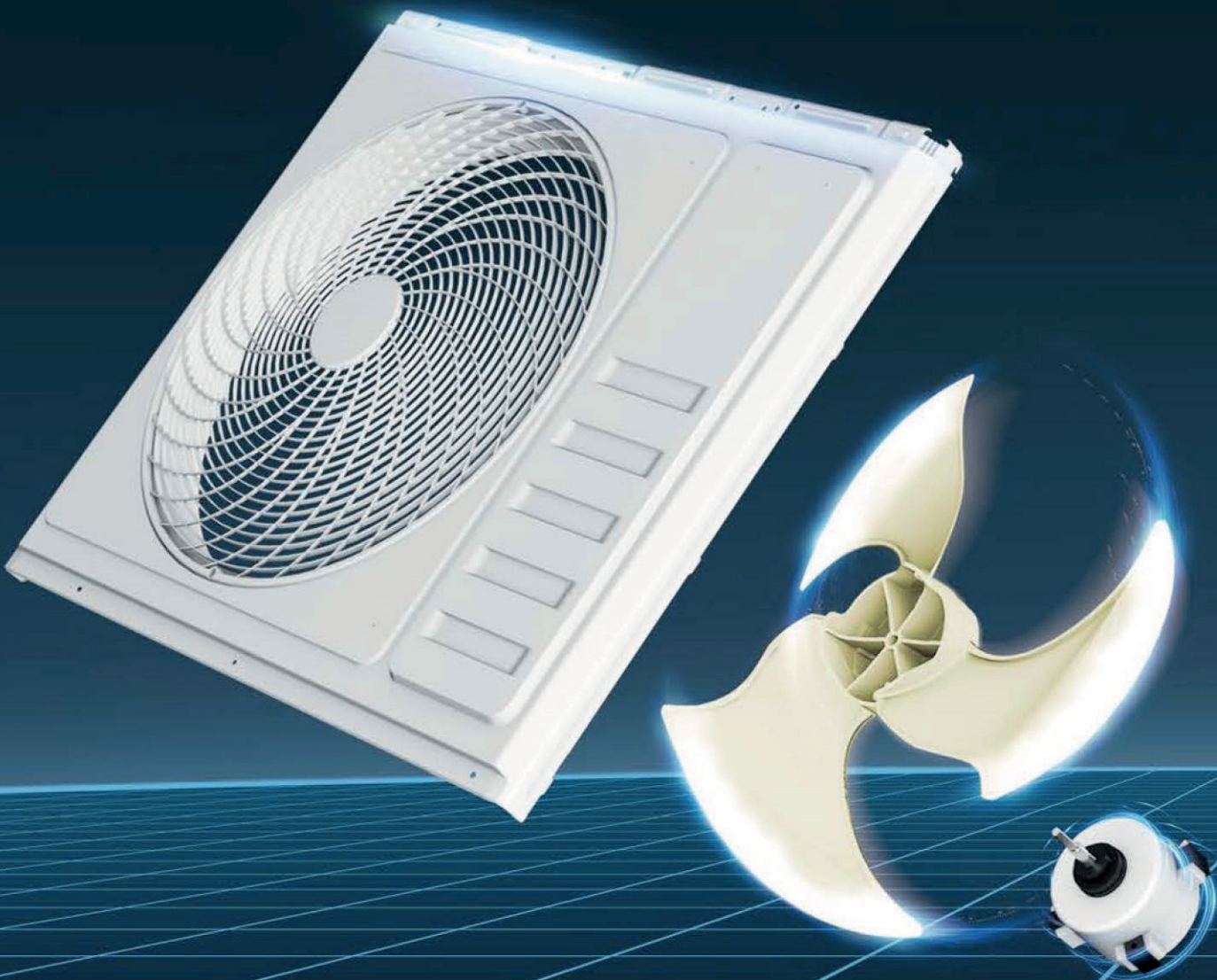
## 13 PRODUCT LINEUP

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## 29 TRACE SOLUTIONS

- Space Solution
- Intelligent Operation Solution
- WiFi Operation Solution
- Optional Solution





High Efficiency

Thanks for the full DC inverter technology and large heat exchange area, air conditioner can achieve EERs 3.46 in cooling operation and COPs 3.63 in heating operation

Bionic fan

Advanced 3D propeller can enlarge the air volume and reduce the noise level.

DC motor

Inverter Technology

- 1、 30% improvement in unit energy efficiency
- 2、 Full load output within 90s, fast cooling and heating
- 3、 Precise temperature control, 31°C comfortable temperature difference

Inner groove tube

Copper tube with internal threads to increase heat transfer area and improve heat transfer efficiency

DC inverter compressor

full DC inverter intelligent control



Precise temperature control, the deviation of indoor temperature and set temperature can be accurately controlled within 1°C

Famous 4-way valve brand



# High Reliability

- 1. Compressor, motor, electric control components can withstand wider voltage operation
- 2. The unit has the function of frequency reduction protect to avoid overheating and overcurrent



## Voltage Protection

When the voltage of the unit is over the rated maximum voltage or below a certain value, the voltage is automatically shut off to protect the unit and the power supply.



## Overcurrent Protection

When the current is over the adjustment value, the protection device will be activated and the fuse will fuse to cut off the circuit in time, so that the equipment can avoid damage caused by over-current.



## Overheating Protection

When the current is over the adjustment value, the motor temperature rises, and the motor is cut off during over-current operation to avoid burning of the motor due to overload.



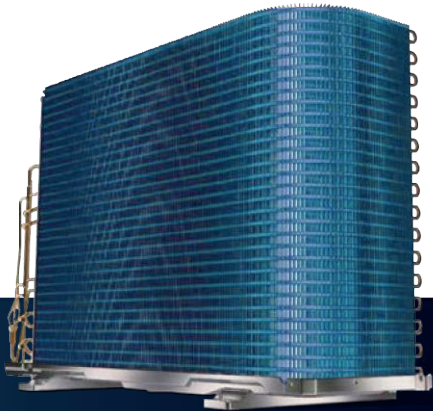
When the outdoor temperature sensor checks that the



DC Inverter Compressor



High/Low Pressure Switch

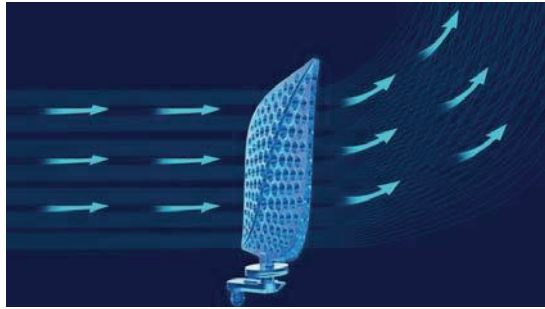


Hydrophilic Aluminum Fin

The ZERO products use blue hydrophilic aluminum fin. Compared to traditional non-hydrophilic heat exchanger, hydrophilic can be increased by 68% and corrosion resistance by 3 times. The hydrophilic coating improves heat transfer efficiency while protecting the unit from unnecessary wear and corrosion

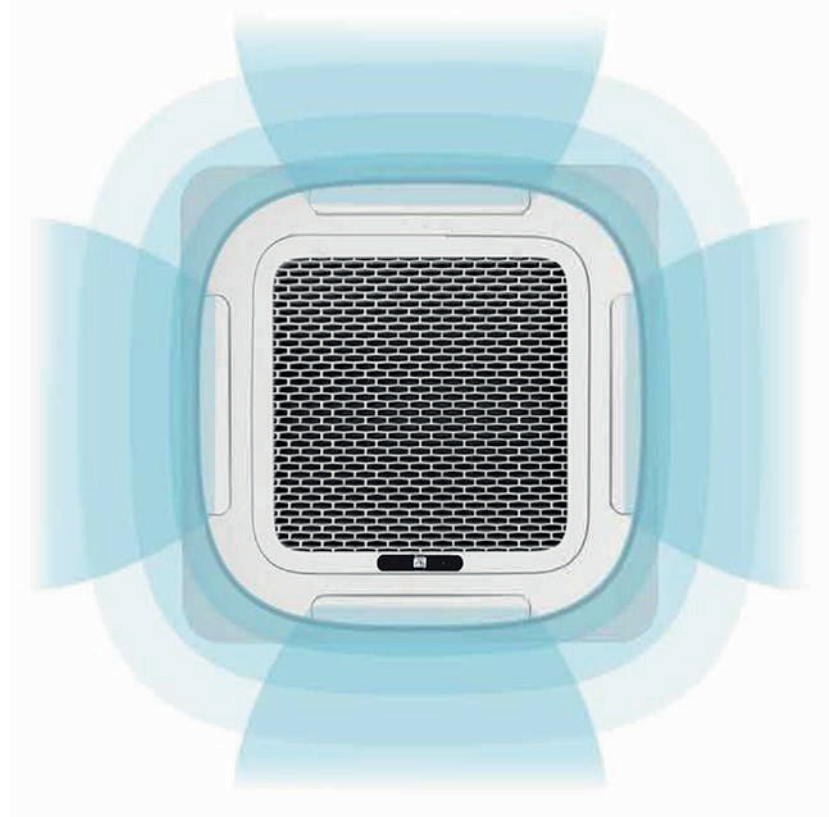


## Better Comfort



### Soft wind panel (optional)

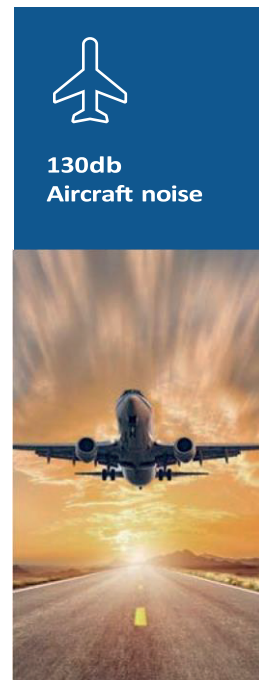
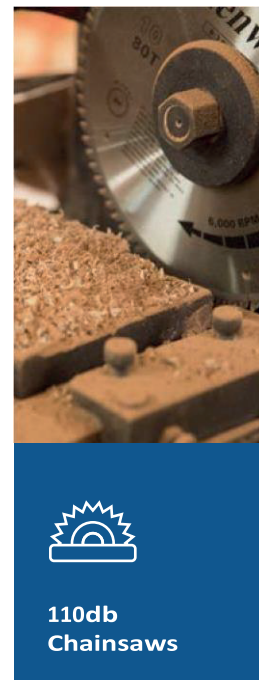
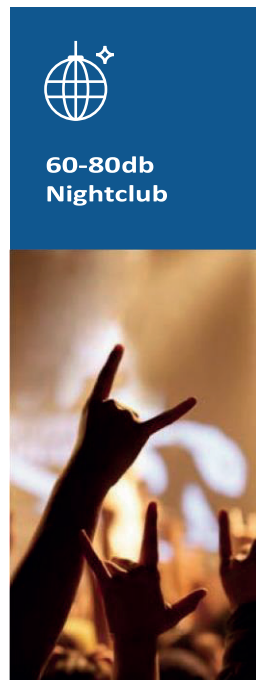
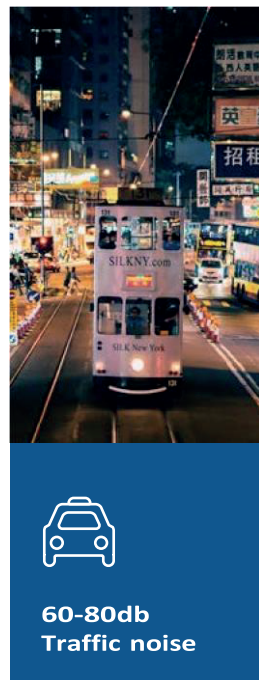
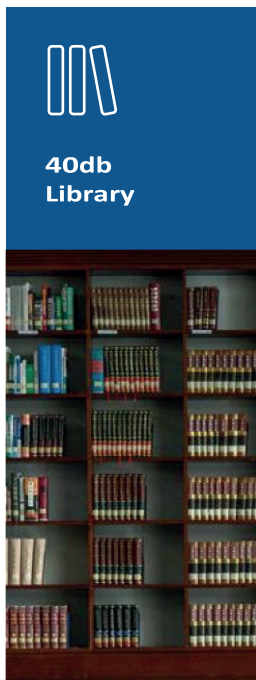
360° of outlet wind, 2565 micro-hole soft wind blades to break up the airflow, making the wind soft and comfortable to the body



### Low noise design

ZERO products through the reasonable air circuit design and 3D fan blade selection, increase the unit airflow and reduce operating noise, which can be as low as 30dB

# 30dB

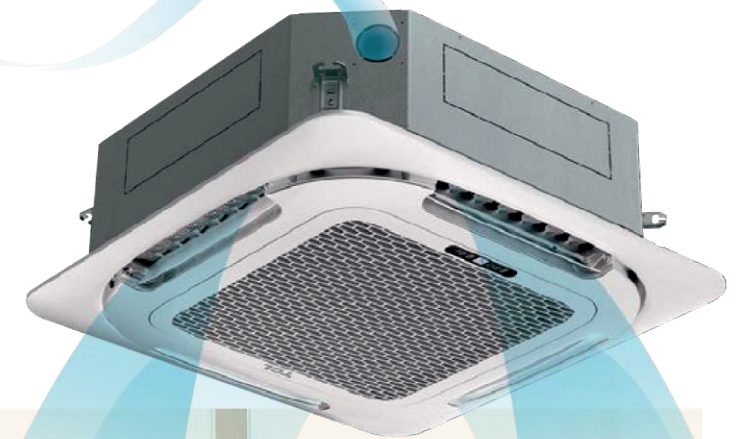


## Health

# FRESH AIR



Take in outdoor fresh air, ensure that the indoor air is fresh and circulated





# Round Flow Cassette Type

Large range of airflow, low noise operation, WIFI operation, giving you a comfortable environment



# Super Slim Duct Type

Multiple air return methods, optional pumps, WIFI operation, making the project more flexible installation



## Built-in drain pump

Cassette with built-in drain pump ,can lift water up to 1200mm which is convenient for installation and improve the drainage efficiency



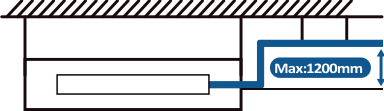
## Reserved fresh air interface LED digital display

Real-time operating temperature and operation faults are clearly displayed



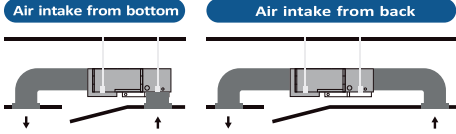
## 360°surround air outlet Optional water pump

Optional built-in drain pump, can lift water up to 1000mm which is convenient to installation and improving drainage efficiency.

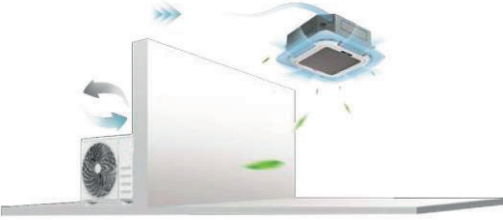


## Reserved freshair interface Flexible air intake

Standard built air return box, easy to adjust the back air return or down air return based installation requirement



Maximum intake of 15% of fresh air volumemake indoor air healthier and more comfortable



Annular air outlet supply without dead angle, keeps the room comfortable

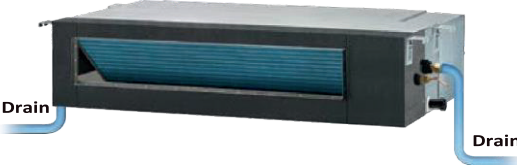


Maximum intake of 15% of fresh air volume, make indoor air healthier and more comfortable



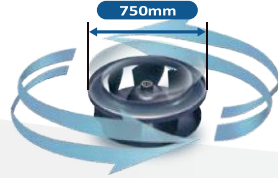
## Dual drainage

It is more convenient and flexible in construction and installation



## Ultra-low noise design

Adapting 750mm fan blade and 3D air outlet design, decrease the air supply resistance, achieve ultra low noise



## WiFi operation

Connect the device with one click to turn on



## Ultra-thin design

structure is compact, and the thickness of 3HP duct unit can be as low as 210mm



## WiFi operation

Connect the device with one click to turn on







## Ceiling Suspended Unit

Two types of installation, customized display panel position, double-sided drainage, can meet the needs of a variety of use situations

### 104° wide range of air flow

With unique swing design, the wind direction can be adjusted at will, to achieve 3D air supply, which make the room temperature distribution more uniform

### Dual drainage Flexible installation

Flexible installation method, ceiling or landing , maximum for you to save space.

Condensing water can be drained either from left or from right.



### LED display

Two way display panel position option, meet differentiated appearance requirements

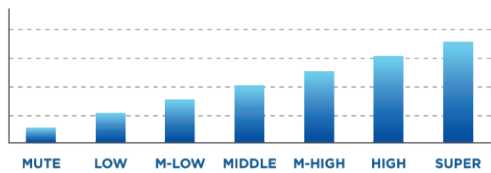


Compact design which fits for various room styles.



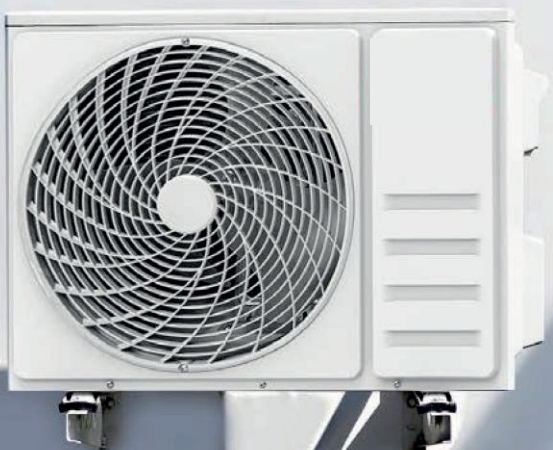
### Seven gear wind speed (Applicable models of DC motor)

Seven gear wind speed (Applicable models of DC motor)



## Unique Universal ODU

Universal matching, high energy efficiency and high reliability design, can greatly increase the service life and reduce the maintenance cost of after-sale



### Ultra-thin design Full DC inverter (applicable models)

It can achieve precise control and high comfort, which also save energy, cool or heat faster

The same ODU can match Cassette, C/F, Duct with same capacity. Reducing stock and

### Universal design



### Single blade design (applicable to 36K~60K models) High efficiency

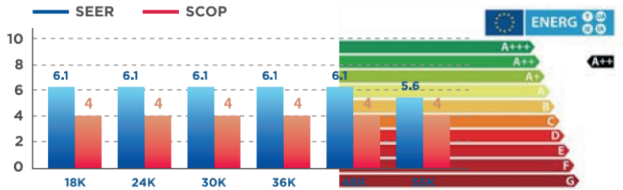
Use high energy compressor, the product meets ERP standard. SEER of the unit can reach A++ efficient level, and SCOP can reach A+ efficient level

The outdoor unit adopts a compact design with a single blade, which greatly improves the loading capacity and makes it easy to install.



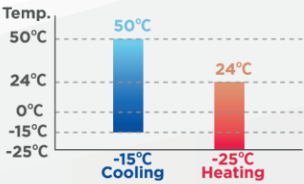
### Long pipe length design

The pipe length of inverter unit can reach 65m, and the pipe length of on/off unit can reach 50m, reducing the limitation on installing location.



### Wide-temperature operation

The outdoor unit use the chassis heating belt, so that it can still cool and heat normally at -15/-25 C, and the application scope of air conditioning system is wider





## Product Lineup Overview



UNIQUE UNIVERSAL ODU



### ROUND FLOW CASSETTE TYPE

Type	Series	Form	Capacity range(×1000BTU)		
			18	24	30
Inverter	❶ R32 50hz cooling & heating	Cassette	●	●	●
		Duct	●	●	●
		Ceiling&floor	●	●	●
	❷ R410A 50hz cooling & heating	Cassette	●	●	●
		Duct	●	●	●
		Ceiling&floor	●	●	●
On/Off	❸ R410A 50hz cooling & heating	Cassette	●	●	
		Duct	●	●	
		Ceiling&floor	●	●	
	❹ R410A 50hz cooling only	Cassette	●	●	●
		Duct	●	●	●
		Ceiling&floor	●	●	●
	❺ R410A 50hz cooling & heating low ambient model	Cassette	●	●	
		Duct	●	●	
		Ceiling&floor	●	●	
	❻ T3 R410A 50hz cooling & heating	Cassette	●	●	
		Duct	●	●	
	❼ T3 R410A 50hz cooling only (high efficiency)	Cassette	●	●	●
Duct		●	●	●	



**CEILING SUSPENDED UNIT**



**SUPER SLIM DUCT TYPE**

Capacity range(×1000BTU)			
36	42	48	60
●	●	●	
●		●	
●		●	
●		●	●
●		●	●
●		●	●
●		●	●
●		●	●
●		●	●
●		●	●
●		●	●
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●		●	
●		●	
●		●	
●		●	



01 INVERTER R32 50HZ COOLING & HEATING

CASSETTE TYPE  
INDOOR UNIT

CE | ErP | RoHS | REACH



8-way air outlet panel

Built-in water pump

Eco-Friendly Refrigerant

Ultra-low noise design

LED display

WiFi control

Inverter technology

Square outlet grill option

Healthy filter option

Comfort

Rapid started

Energy saving

Timer

Power-down memory

model		ZCRV-18HFT-EU	ZCRV-24HFT-EU	ZCRV-30HFT-EU	ZCRV-36HFT-EU	ZCRV-36HFT-EU	ZCRV-42HFT-EU	ZCRV-48HFT-EU	ZCRV-60HFT-EU
Declared cooling capacity	W	5270 (1820~5460)	7030 (2500~7450)	8800 (3100~9200)	10550 (3680~11000)	10550 (3680~11000)	12310 (3520~13200)	13400 (3520~15830)	15530 (4100~16710)
Declared heating capacity	W	5700 (2000~5980)	7600 (2660~7980)	9370 (3350~10000)	11550 (4050~12100)	11550 (4050~12100)	13500 (3810~14950)	16120 (4100~17290)	18170 (4400~19930)
SEER/SCOP declared	W/W	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	5.60/4.00	6.10/4.00	6.10/4.00
Energy Class		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Cooling Operating current	A	7.3(2.5~9.0)	9.9(3.1~11.4)	12.1(5.0~17.5)	15.0(4.2~19.7)	4.5(1.2~6.0)	6.2(1.4~6.8)	6.6(1.4~8.8)	7.5(1.7~9.2)
Heating Operating current	A	6.9(2.6~9.7)	9.1(3.1~11.7)	12.3(5.0~18.5)	13.2(3.7~20.1)	3.9(1.0~6.1)	4.8(1.6~7.1)	6.5(1.7~8.3)	8.3(1.8~10.0)
Indoor sound pressure (Standard rating conditions)	dB(A)	45	48	48	52	52	52	53	54
Outdoor sound pressure (Standard rating conditions)	dB(A)	54	55	57	60	60	61	62	63
Power supply		220-240V~/50Hz/1P							
Max.current	A	13.5	13.5	20	20.5	8.5	10.5	13.0	14.0
Refrigerant type		R32							
Indoor air volume cooling/heating	m³/h	1100/1250	1300/1450	1600	1600/1850	1600/1850	1650/1900	1950/2050	2000/2100
Outdoor air volume	m³/h	2700	2700	3600	4300	4300	4300	7500	7500
Connecting Pipe	Gas	mm	12.7	12.7	15.88	15.88	15.88	19.05	19.05
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52
Net dimensions (W x H x D)	Indoor	mm	840×230×840	840×230×840	840×840×245	840×300×840	840×300×840	840×290×840	840×290×840
	Outdoor	mm	845×694×330	845×694×330	845×330×699	940×885×338	940×885×338	940×885×338	950×1330×340
	Panel	mm	950×45×950	950×45×950	950×950×45	950×45×950	950×45×950	950×45×950	950×45×950
Net/Gross weight	Indoor	kg	22/26	22/26	25/29	30/35	30/35	30/35	27/31
	Outdoor	kg	39/44	39/44	45/50	69/79	86/96	95/105	103/115
	Panel	kg	6/9	6/9	6/9	6/9	6/9	6/9	6/9
Packing dimensions (W x H x D)	Indoor	mm	925×285×925	925×285×925	925×925×285	925×355×925	925×355×925	925×355×925	935×355×935
	Outdoor	mm	960×735×430	960×735×430	960×430×735	1060×1045×430	1060×1045×430	1060×1045×430	1080×1465×430
	Panel	mm	1035×80×1035	1035×80×1035	1035×1035×80	1035×80×1035	1035×80×1035	1035×80×1035	1035×80×1035
Max. refrigerant pipe length	m	30	50	30	65	65	65	65	65
Max. difference in level	m	20	25	15	30	30	30	30	30
Drainage water pipe dimension		OD32							
Ambient temperature range	Cooling/ Heating	°C	-15-50/-25-24						

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

DUCT TYPE  
INDOOR UNIT

CE | ErP | RoHS | REACH



Flexible installation

Eco-Friendly Refrigerant

Dual direction of drainage

Ultra-low noise design

Ultra-thin design

WiFi control

Healthy filter option

Square outlet grill option

Built-in water pump

Comfort

Rapid started

Energy saving

Timer

Power-down memory

model		ZMDV-18HFT-EU	ZMDV-24HFT-EU	ZMDV-30HFT-EU	ZMDV-36HFT-EU	ZMDV-36HFT-EU	ZMDV-48HFT-EU	ZMDV-60HFT-EU
Declared cooling capacity	W	5270(1820~5460)	7030(2500~7450)	8800(3100~9200)	10550(3680~11000)	10550(3680~11000)	13480(3520~15530)	15240(4100~17290)
Declared heating capacity	W	5700(2000~5980)	7600(2660~7980)	9370(3350~10000)	11550(4050~12100)	11550(4050~12100)	16120(4100~18170)	18170(4400~20520)
SEER/SCOP declared	W/W	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	5.60/4.00
Energy Class		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A+/A+
Indoor sound pressure(Standard rating conditions)	dB(A)	46	46	49	48	48	49	50
Outdoor sound pressure(Standard rating conditions)	dB(A)	55	55	58	60	60	62	63
Power supply		220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P
Cooling Operating current	A	7.3(2.5~9.0)	10.2(3.8~12.8)	11.0(3.3~15.2)	14.6(4.8~19.1)	3.9(1.0~5.4)	6.3(1.5~8.7)	8.4(2.0~10.1)
Heating Operating current	A	6.9(2.6~9.7)	8.5(4.0~12.5)	9.4(3.3~16.8)	12.5(4.2~19.5)	3.3(0.9~5.5)	6.5(1.7~8.3)	7.9(1.7~9.7)
Max.current	A	13.5	13.5	18.5	20.5	8.5	13.0	14.0
Refrigerant type		R32						
Indoor air volume cooling/heating	m³/h	850	850	1600/1850	1800/2000	1800/2000	2000/2200	2100/2300
Outdoor air volume	m³/h	2600	2600	4000	4300	4300	7500	7500
External Static Pressure(Range )	Pa	0-80	0-80	0-100	0-100	0-100	0-100	0-100
Connecting Pipe	Gas	mm	9.52	9.52	15.88	15.88	19.05	19.05
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52
Net dimensions (W x H x D)	Indoor	mm	920×450×200	920×450×200	1140×270×710	1200×300×800	1200×300×800	1200×300×800
	Outdoor	mm	853×602×349	853×602×349	940×885×338	940×885×338	940×885×338	950×1330×340
Net/Gross weight	Indoor	kg	20/25	20/25	37/44	44/51	44/51	44/51
	Outdoor	kg	35/38	35/38	62/72	69/79	86/96	103/115
Packing dimensions (W x H x D)	Indoor	mm	1085×543×272	1085×543×272	1345×345×830	1400×375×920	1400×375×920	1400×375×920
	Outdoor	mm	890×628×385	890×628×385	1060×1045×430	1060×1045×430	1080×1465×430	1080×1465×430
Application area	m²	20~35	20~35	33~58	39~71	39~71	50~95	55~105
Max. refrigerant pipe length	m	30	30	50	65	65	65	65
Drainage water pipe dimension	m	OD25						
Max. difference in level		20	20	25	30	30	30	30
Ambient temperature range	Outdoor (cooling/heating)	°C	-15-50/-25-24					

CEILING&FLOOR  
TYPE INDOOR UNIT

CE | ErP | RoHS | REACH



3D air flow

Flexible installation

Dual direction of drainage

LED display

Eco-Friendly Refrigerant

Convenient maintenance

WiFi control

Ultra-thin design

Comfort

Rapid started

Energy saving

Timer

Power-down memory

model		ZEV-18HFT-EU	ZEV-24HFT-EU	ZEV-30HFT-EU	ZEV-36HFT-EU	ZEV-36HFT-EU	ZEV-48HFT-EU	ZEV-60HFT-EU
Declared cooling capacity	W	5270(1820~5460)	7030(2500~7450)	8800(3100~9200)	10550(3680~11000)	10550(3680~11000)	14070(3520~15240)	15240(4100~16710)
Declared heating capacity	W	5700(2000~5980)	7600(2660~7980)	9370(3350~10000)	11550(4050~12100)	11550(4050~12100)	16120(4100~17000)	18170(4400~19640)
Pdesignc	W	5300	7000	8800	10500	10500	14000	15300
SEER/SCOP declared	W/W	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	6.10/4.00	6.10	5.60/4.00
Energy Class		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A+/A+
Indoor sound pressure(Standard rating conditions)	dB(A)	45	48	48	52	52	54	55
Outdoor sound pressure(Standard rating conditions)	dB(A)	54	55	57	60	60	62	63
Power supply		220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P
Cooling Operating current	A	7.8(2.0~8.9)	10.2(4.5~12)	12.1(5.0~17.5)	14.6(5.5~18.0)	14.6(5.5~18.0)	6.6(1.5~8.3)	8.1(1.9~10.0)
Heating Operating current	A	7.9(2.0~9.0)	10.4(4.8~13)	12.3(5.0~18.5)	16.0(5.5~19.0)	16.0(5.5~19.0)	7.3(1.7~8.8)	8.9(1.7~10.4)
Max.current	A	12	19	20	22	22	13.0	14.0
Refrigerant type		R410A						
Indoor air circulation Cooling/heating	m³/h	900	1300	1600	1600	1600	2100/2300	2200/2400
Outdoor air circulation	m³/h	3000	3000	3600	3600	3600	7500	7500
Connecting Pipe	Gas	mm	12.7	12.7	15.88	15.88	19.05	19.05
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52
Net dimensions (W x H x D)	Indoor	mm	1055×675×235	1055×675×235	1275×675×235	1275×675×235	1635×675×235	1635×675×235
	Outdoor	mm	780×288×590	780×288×590	845×330×699	845×330×699	950×1330×340	950×1330×340
Net/Gross weight	Indoor	kg	24/29	27/33	30/36	30/36	37.5/43.5	37.5/43.5
	Outdoor	kg	34/36	34/38	47/52	47/52	103/115	104/116
Packing dimensions (W x H x D)	Indoor	mm	1130×748×305	1130×748×305	1350×748×305	1350×748×305	1710×748×305	1710×748×305
	Outdoor	mm	890×385×628	890×385×628	960×430×732	960×430×732	1080×1465×430	1080×1465×430
Max. refrigerant pipe length	m	30	30	30	30	30	65	65
Max. difference in level	m	15	15	15	15	15	30	30
Drainage water pipe dimension		OD25						
Ambient temperature range	Cooling/Heating	°C	-15-50/-25-24					

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

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02 INVERTER R410A 50HZ COOLING & HEATING

CASSETTE TYPE  
INDOOR UNIT

CE | RoHS | REACH



8-way air outlet panel

Built-in water pump

Universal design

Ultra-low noise design

LED display

Wire/Remote control

Inverter technology

Healthy filter option

Comfort

Rapid started

Energy saving

Timer

Power-down memory

model		ZCV-18HFT	ZCRV-18HFT	ZCRV-24HFT	ZCRV-30HFT	ZCRV-36HFT	ZCRV-48HFT	ZCRV-60HFT
cooling capacity	W	5270 (1820~5460)	5270 (1820~5460)	7030 (2500~7450)	8800 (3100~9200)	10550 (3680~11000)	14060 (4900~14700)	16120 (5600~16800)
	W	5700 (2000~5985)	5700 (2000~5980)	7600 (2660~7980)	9370 (3350~10000)	11550 (4050~12100)	15400 (5400~16100)	17000 (5950~18700)
EER/COP	W/W	2.80/3.00	2.80/3.20	2.80/3.20	3.20/3.40	3.00/3.20	2.80/3.20	3.00/3.20
Indoor sound power(H/M/L)	dB(A)	45/42/41	39/38/27	44/41/37	49/47/44	49/47/44	51/48/45	51/48/45
Outdoor sound pressure	dB(A)	57	57	53	57	56	57	58
Power supply		220-240V~/50Hz/1P						
Cooling Operating current	A	9.2(2.3~10.4)	9.2(2.3~10.4)	11.5(4.5~12)	12.6(4.5~15.1)	16.0(5.5~16.1)	7.6(2.6~8.8)	8.2(3.0~9.4)
Heating Operating current	A	10(2.5~11.4)	10(2.5~11.4)	3500	12.6(4.5~13.8)	16.5(5.5~16.1)	7.3(2.8~8.6)	8.1(3.2~9.4)
Max.current	A	12	12	15	17	17	9	10
Refrigerant type		R410A						
Indoor air circulation cooling/heating	m³/h	675	1000	1300	1600	1600	2000	2000
Outdoor air circulation	m³/h	3000	3000	3000	3600	3600	5000	5600
Net dimensions (W x H x D)	Indoor	mm	575×575×260	840×840×245	840×840×245	840×840×245	840×840×290	840×840×290
	Outdoor	mm	780×288×590	780×288×590	780×288×590	845×330×699	910×360×805	1010×410×850
	Panel	mm	650×650×30	950×950×45	950×950×45	950×950×45	950×950×45	950×950×45
Net/Gross weight	Indoor	kg	19/21	21.5/25.5	23/28	24/29	24/28	30/35
	Outdoor	kg	28/30	28/30	31/33	43/46	47/51	65/70
	Panel	kg	2.5/4.5	6/9	6/9	6/9	6/9	6/9
Packing dimensions (W x H x D)	Indoor	mm	725×725×300	935×935×305	935×935×305	935×935×305	935×935×305	935×935×350
	Outdoor	mm	890×385×628	890×385×628	890×385×628	960×430×732	1022×480×835	1135×530×877
	Panel	mm	735×735×130	1035×1035×80	1035×1035×80	1035×1035×80	1035×1035×80	1035×1035×80
Connecting Pipe	Gas	mm	12.7	12.7	12.7	15.88	15.88	15.88
	Liquid	mm	6.35	6.35	6.35	9.52	9.52	9.52
Max. refrigerant pipe length	m	30	30	30	30	30	50	50
Max. difference in level	m	15	15	15	15	15	30	30
Drainage water pipe dimension		OD32						
Ambient temperature range	Cooling/ Heating	°C	-15-50/-25-24					

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)

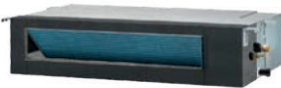
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

DUCT TYPE  
INDOOR UNIT

CE | RoHS | REACH



Flexible installation

Universal design

Dual direction of drainage

Ultra-low noise design

Inverter technology

Wire/Remote control

Healthy filter option

Built-in water pump

Comfort

Rapid started

Energy saving

Timer

Power-down memory

model		ZMDV-18HFT	ZMDV-24HFT	ZMDV-30HFT	ZMDV-36HFT	ZMDV-48HFT	ZMDV-60HFT
cooling capacity	W	5270(1820~5460)	7030(2500~7450)	8800(3100~9200)	10550(3680~11000)	14060(4900~14700)	16120(5600~16800)
	W	5700(2000~5980)	7600(2660~7980)	9370(3350~10000)	11550(4050~12100)	15400(5400~16100)	17000(5950~18700)
EER/COP	W/W	2.80/3.20	2.80/3.20	3.20/3.40	3.00/3.20	2.80/3.20	3.00/3.20
Indoor sound power(H/M/L)	dB(A)	38/36/35	40/39/36	46/44/40	47/44/40	49/45/42	49/45/42
Outdoor sound pressure	dB(A)	57	53	57	56	57	58
External Static Pressure(Range )	Pa	0~50	0~50	0~80	0~80	0~120	0~120
Power supply		220-240V~/50Hz/1P					
Cooling Operating current	A	9.6(2.3~10.4)	11.5(4.5~12)	12.6(4.5~15.1)	16.0(5.5~16.1)	7.6(2.6~8.8)	8.2(3.0~9.4)
Heating Operating current	A	10(2.5~11.4)	10.8(4.8~13)	12.6(4.5~13.8)	16.5(5.5~16.1)	7.3(2.8~8.6)	8.1(3.2~9.4)
Max.current	A	12	15	17	17	9	10
Refrigerant type/Charge		R410A					
Indoor air circulation cooling/heating	m³/h	850	1100	1500	1500	2200	2200
Outdoor air circulation	m³/h	3000	3000	3600	3600	5000	5600
Net dimensions (W x H x D)	Indoor	mm	920×210×570	920×210×570	920×270×570	1140×270×710	1200×800×300
	Outdoor	mm	780×288×590	780×288×590	845×330×699	910×360×805	1200×800×300
	Panel	mm	/	/	/	/	1010×410×850
Net/Gross weight	Indoor	kg	21.5/26.5	22/27	26/31	37/41	44/51
	Outdoor	kg	28/30	31/33	43/46	47/51	75/83
Packing dimensions (W x H x D)	Indoor	mm	1115×280×690	1115×280×690	1120×341×690	1341×341×830	1400×920×371
	Outdoor	mm	890×385×628	890×385×628	960×430×732	1022×480×835	1400×920×371
	Panel	mm	890×385×628	890×385×628	960×430×732	1022×480×835	1135×530×877
Connecting Pipe	Gas	mm	12.7	12.7	15.88	15.88	15.88
	Liquid	mm	6.35	6.35	9.52	9.52	9.52
Max. refrigerant pipe length	m	30	30	30	30	50	50
Max. difference in level	m	15	15	15	15	30	30
Drainage water pipe dimension		OD25					
Ambient temperature range	Cooling/Heating	°C	-15-50/-25-24				

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)


2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

CEILING&FLOOR  
TYPE INDOOR UNIT

CE | RoHS | REACH



3D air flow

Flexible installation

Dual direction of drainage

LED display

Universal design

Convenient maintenance

Wire/Remote control

Inverter technology

Comfort

Rapid started

Energy saving

Timer

Power-down memory

model		ZEV-18HFT	ZEV-24HFT	ZEV-30HFT	ZEV-36HFT	ZEV-48HFT	ZEV-60HFT
cooling capacity	W	5270(1820~5460)	7030(2500~7450)	8800(3100~9200)	10550(3680~11000)	14060(4900~14700)	16120(5600~16800)
	W	5700(2000~5980)	7600(2660~7980)	9370(3350~10000)	11550(4050~12100)	15400(5400~16100)	17000(5950~18700)
EER/COP	W/W	2.80/3.20	2.80/3.20	3.20/3.40	3.00/3.20	2.80/3.20	3.00/3.20
Indoor sound power(H/M/L)	dB(A)	43/40/39	49/43/40	53/50/48	53/50/48	52/49/47	52/49/47
Outdoor sound pressure	dB(A)	57	53	57	56	57	58
Power supply		220-240V~/50Hz/1P					
Cooling Operating current	A	9.2(2.3~10.4)	11.5(4.5~12)	12.6(4.5~15.1)	16.0(5.5~16.1)	7.6(2.6~8.8)	8.2(3.0~9.4)
Heating Operating current	A	10(2.5~11.4)	10.8(4.8~13)	12.6(4.5~13.8)	16.5(5.5~16.1)	7.3(2.8~8.6)	8.1(3.2~9.4)
Max.current	A	12	15	17	17	9	10
Refrigerant type/Charge		R410A					
Indoor air circulation cooling/heating	m³/h	900	1200	1600	1600	2000	2000
Outdoor air circulation	m³/h	3000	3000	3600	3600	5000	5600
Net dimensions (W x H x D)	Indoor	mm	1055×675×235	1055×675×235	1275×675×235	1275×675×235	1635×675×235
	Outdoor	mm	780×288×590	780×288×590	845×330×699	910×360×805	1010×410×850
	Indoor	kg	24/29	24/29	28/34	39/43	39/47
Net/Gross weight	Outdoor	kg	28/30	31/33	43/46	47/51	75/83
	Indoor	mm	1130×748×305	1130×748×305	1350×748×305	1350×748×305	1710×748×305
Packing dimensions (W x H x D)	Outdoor	mm	890×385×628	890×385×628	960×430×732	1022×480×835	1135×530×877
	Gas	mm	12.7	12.7	15.88	15.88	15.88
	Liquid	mm	6.35	6.35	9.52	9.52	9.52
Max. refrigerant pipe length	m	30	30	30	30	50	50
Max. difference in level	m	15	15	15	15	30	30
Drainage water pipe dimension		OD25					
Ambient temperature range	Cooling/Heating	°C	-15-50/-25-24				

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)

2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)

3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.

The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



03 ON/OFF R410A 50HZ COOLING & HEATING

CASSETTE TYPE  
INDOOR UNIT

CB | RoHS | REACH



8-way air outlet panel

Built-in water pump

Ultra-low noise design

LED display

Wire/Remote control

Inverter technology

Healthy filter option

Comfort

Rapid started

Energy saving


Timer

Power-down memory

Model name	Cassette Indoor	ZCU-18HFT	ZCRU-18HFT	ZCRU-24HFT	ZCRU-30HFT	ZCRU-36HFT	ZCRU-48HFT	ZCRU-60HFT
Power supply	V/Hz/Ph	220-240V~/50Hz/1P						
Cooling	Capacity	Btu/h	18000	18000	24000	36000	48000	55000
	Capacity	W	5175	5200	7000	10500	14000	16119
	Input	W	1683	1732	2050	3850	4636	5694
	Rated current	A	7.65	7.87	8.70	17.00	7.80	9.30
	EER	W/W	3.07	3.00	3.41	2.73	3.02	2.83
Heating	Capacity	Btu/h	18000	18000	24000	40000	50000	60500
	Capacity	W	5200	5200	7000	12000	14650	17731
	Input	W	1761	1671	1850	3650	5079	5700
	Rated current	A	8.00	8.60	8.0	16.50	7.20	11.30
	COP	W/W	3.18	3.53	3.78	3.29	3.52	3.11
Indoor air flow (Hi/Me/Lo)	m³/h	720/680/600	1100/950/880	1250/1100/950	1600/1500/1400	1600/1500/1400	1700/1500/1400	1900/1700/1500
Indoor noise level (Hi/Me/Lo)	dB(A)	41/38/34	42/39/35	43/41/37	45/43/41	45/43/41	45/43/41	47/44/43
Indoor dimension	Unit (WxHxD)	mm	575×260×575	830×230×830	830×230×830	840×245×840	840×245×840	830×290×830
	Packing (WxHxD)	mm	725×300×725	925×290×925	925×290×925	935×305×935	935×305×935	925×360×925
Indoor weight	Gross	kg	19	22	22	26	26	28
	Net	kg	22	27	27	30	30	33
Panel	Unit (WxHxD)	mm	650×30×650	950×45×950	950×45×950	950×45×950	950×45×950	950×45×950
	Packing (WxHxD)	mm	690×65×690	1035×80×1035	1035×80×1035	1035×80×1035	1035×80×1035	1035×80×1035
Refrigerant pipe	Net/Gross	kg	2.5/4.5	6/9	6/9	6/9	6/9	6/9
	Liquid side	mm	6.35	6.35	9.52	9.52	9.52	9.52
Drainage water pipe diameter	Gas side	mm	12.70	12.70	15.88	15.88	19.05	19.05
		mm			OD32			
Ambient temperature range	Cooling	°C	-10~-48	-10~-48	-10~-48	-10~-48	-10~-48	-10~-48
	Heating	°C				-7 ~ 24		

CEILING&FLOOR  
TYPE INDOOR UNIT

CB | RoHS | REACH



3D air flow

Flexible installation

Dual direction of drainage

LED display

Convenient maintenance

Wire/Remote control

Ultra-thin design

Comfort

Rapid started

Energy saving

Timer

Power-down memory

Model name	Ceiling Floor Indoor	ZEU-18HFT	ZEU-24HFT	ZEU-36HFT	TCC-36ZHRA/UI (04)	ZEU-48HFT	ZEU-60HFT
Power supply	V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	36000	48000	55000
	Capacity	W	5200	7000	10500	14000	16119
	Input	W	1712	2050	3850	3578	5594
	Rated current	A	7.78	8.70	17.00	7.8	9.30
	EER	W/W	3.04	3.41	2.73	2.95	3.08
Heating	Capacity	Btu/h	18000	24000	40000	40000	50000
	Capacity	W	5200	7000	12000	12000	14650
	Input	W	1782	1850	3650	3468	4058
	Rated current	A	8.50	8.0	16.50	7.2	9.50
	COP	W/W	3.29	3.78	3.29	3.46	3.61
Indoor air flow (Hi/Me/Lo)	m³/h	900/800/700	1200/1050/900	1700/1300/1100	1700/1300/1100	2177/1689/1434	2177/1689/1434
Indoor noise level (Hi/Me/Lo)	dB(A)	43/41/38	45/43/40	45/43/40	45/43/40	52/49/46	52/49/46
Indoor dimension	Unit (WxHxD)	mm	1055×675×235	1055×675×235	1275×675×235	1275×675×235	1635×675×235
	Packing (WxHxD)	mm	1130×748×305	1130×748×305	1350×748×305	1350×748×305	1710×748×305
Indoor weight	Net	kg	23	23	29	29	38
	Gross	kg	29	29	35	46	44
Refrigerant	Type	R410A					
Refrigerant pipe	Liquid side	mm	φ6.35	9.52	9.52	9.52	9.52
	Gas side	mm	φ12.7	φ15.88	φ15.88	φ15.88	φ19.05
Drainage water pipe diameter		mm			OD25		
Ambient temperature range	Cooling	°C	-10~-48	-10~-48	-10~-48	-10~-48	-10~-48
	Heating	°C				-7 ~ 24	

DUCT TYPE  
INDOOR UNIT

CB | RoHS | REACH



Flexible installation

Dual direction of drainage

Ultra-low noise design

Ultra-thin design

Wire/Remote control

Healthy filter option

Built-in water pump

Comfort

Rapid started

Energy saving


Timer

Power-down memory

Model name	MESP Duct Indoor	ZMDU-18HFT	ZMDU-24HFT	ZMDU-36HFT	TCC-36D2HRA/UI(04)	ZMDU-48HFT	ZMDU-60HFT
Power supply	V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	36000	48000	55000
	Capacity	W	5200	7000	10500	14000	16119
	Input	W	1761	2050	3850	3584	5694
	Rated current	A	8.00	8.70	17.00	7.8	9.30
	EER	W/W	2.95	3.41	2.73	2.94	3.07
Heating	Capacity	Btu/h	18000	24000	40000	40000	50000
	Capacity	W	5200	7000	12000	12000	17731
	Input	W	1513	1850	3650	3468	4446
	Rated current	A	6.87	8.0	16.50	7.2	9.50
	COP	W/W	3.90	3.78	3.29	3.46	3.30
Indoor air flow (Hi/Me/Lo)	m³/h	1170/770/650	1400/950/800	1800/1500/1350	1800/1500/1350	2100/1750/1550	2200/1800/1600
Indoor external static pressure (Hi)	Pa	70	70	80	80	100	100
Indoor noise level (Hi/Me/Lo)	dB(A)	43/35/32	46/43/41	46/44/42	46/44/42	47/44/42	47/45/43
Indoor dimension (with filter)	Unit (WxHxD)	mm	920×210×605	920×270×605	1140×270×745	1140×270×745	1200×300×835
	Packing (WxHxD)	mm	1115×280×690	1115×340×690	1345×345×830	1345×345×830	1405×375×925
Indoor weight	Net	kg	22	28	35	35	43
	Gross	kg	27	32	42	42	50
Refrigerant	Type	R410A					
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05
Drainage water pipe diameter		mm			OD25		
Ambient temperature range	Cooling	°C	-10~-48	-10~-48	-10~-48	-10~-48	-10~-48
	Heating	°C				-7 ~ 24	

UNIVERSAL  
OUTDOOR UNIT

CB | RoHS | REACH



Universal design

3D fan design

Long life span

Wide voltage operation

Convenient maintenance

Multiple protection

Rapid started

Energy saving

Power-down memory

Intelligent defrosting

High reliability

Model name	Universal Outdoor Unit	ZSOU-18HFT	ZSOU-24HFT	ZSOU-36HFT	ZSOU-36HET	ZSOU-48HET	ZSOU-60HET
Power supply	V/Hz/Ph	220-240V~/50Hz/				380-415V~/50Hz/3P	
Max. input consumption	W	2200	1P 2800	5500	6100	6600	9200
Max. current	A	11.5	15.0	25.0	11.5	12.8	16.0
Starting current	A	36.8	50.0	82	66	66.0	80.0
Max Operating Pressure(MPa)	Discharge	MPa	4.2	4.5	4.2	4.2	4.2
	Suction	MPa	1.5	1.5	1.5	1.5	1.5
Outdoor air flow	m³/h	2400	4000	4900	4900	6300	6300
Outdoor noise level	dB(A)	56	54	58	58	60	60
Outdoor dimension	Unit (WxHxD)	mm	760×550×250	845×700×330	910×805×360	940x1250x340	940×1250×340
	Packing (WxHxD)	mm	863×590×361	960×735×430	1030×860×475	1030×1365×430	1030×1365×430
Outdoor weight	Net	kg	34	47	59	60	81
	Gross	kg	37	50	63	64	90
Refrigerant	Type	R410A					
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05
	Max. refrigerant pipe length	m	25	30	30	30	50
	Max. difference in level	m	15	15	20	20	30
Ambient temperature range	Cooling	°C	21~48	-10~-48	-10~-48	-10~-48	-10~-48
	Heating	°C				-7 ~ 24	

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



04 ON/OFF R410A 50HZ COOLING ONLY

CASSETTE TYPE  
INDOOR UNIT

CB | **RoHS** | REACH



8-way air outlet panel

Built-in water pump

Ultra-low noise design

LED display

Wire/Remote control

Inverter technology

Healthy filter option

Comfort

Rapid started

Energy saving

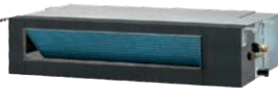
Timer

Power-down memory

Model name	Q8 Cassette Indoor	ZCRU-18FT	ZCRU-24FT	ZCRU-30FT	ZCRU-36FT	ZCRU-48FT	ZCRU-60FT	
Power supply		V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity	W	5270	7030	8790	10548	14000	16100
	Input	W	1600	2100	2800	3600	4150	5500
	Rated current	A	7.20	9.20	14.00	7.00	7.60	10.00
	EER	W/W	3.29	3.35	3.14	2.93	3.37	2.93
Indoor air flow (Hi/Me/Lo)		m3/h	1250/1000/900	1600/1500/1400	1600/1500/1400	1600/1500/1400	1700/1500/1400	1900/1700/1500
Indoor noise level (Hi/Me/Lo)		dB(A)	41/39/35	50/48/46	50/48/46	50/48/46	50/48/46	52/50/48
Indoor dimension	Unit (WxHxD)	mm	840×245×840	840×245×840	840×245×840	840×245×840	840×290×840	840×290×840
	Packing (WxHxD)	mm	935×305×935	935×305×935	935×305×935	935×305×935	935×350×935	935×350×935
Indoor weight	Net	kg	22	24.5	26	26	28	28
	Gross	kg	26	29	30	30	33	33
Panel	Unit (WxHxD)	mm	950×45×950	950×45×950	950×45×950	950×45×950	950×45×950	950×45×950
	Packing (WxHxD)	mm	1055×90×1055	1055×90×1055	1055×90×1055	1055×90×1055	1055×90×1055	1055×90×1055
	Net/Gross	kg	6/9	6/9	6/9	6/9	6/9	6/9
Refrigerant	Type		R410A					
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD32					
Operation temperature range		°C	-10~-48					

DUCT TYPE  
INDOOR UNIT

CB | **RoHS** | REACH



Flexible installation

Dual direction of drainage

Ultra-low noise design

Ultra-thin design

Wire/Remote control

Healthy filter option

Built-in water pump

Comfort

Rapid started

Energy saving

Timer


Power-down memory

Model name	MESP Duct Indoor	ZMDU-18FT	ZMDU-24FT	ZMDU-30FT	ZMDU-36FT	ZMDU-48FT	ZMDU-60FT	
Power supply		V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity	W	5270	7030	8790	10548	14000	16100
	Input	W	1700	2100	2800	3600	4350	5600
	Rated current	A	7.50	9.20	14.00	7	8.00	10.10
	EER	W/W	3.10	3.35	3.14	2.93	3.22	2.88
Indoor air flow (Hi/Me/Lo)		m3/h	900/800/700	1300/1000/800	1600/1450/1350	1600/1450/1350	1900/1750/1550	1900/1750/1550
Indoor external static pressure (Hi)		Pa	25	25	37	37	50	50
Indoor noise level (Hi/Me/Lo)		dB(A)	43/35/32	46/43/41	46/44/42	46/44/42	47/44/42	47/44/42
Indoor dimension (with filter)	Unit (WxHxD)	mm	920×210×605	920×270×605	1140×270×745	1140×270×745	1200×300×835	1200×300×835
	Packing (WxHxD)	mm	1115×280×690	1115×340×690	1345×345×830	1345×345×830	1405×375×925	1405×375×925
Indoor weight	Net	kg	22	27.5	35	35	43	43
	Gross	kg	27	32	42	42	50	50
Refrigerant	Type		R410A					
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD25					
Operation temperature range		°C	-10~-48					

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc., since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

CEILING&FLOOR  
TYPE INDOOR UNIT

CB | **RoHS** | REACH



3D air flow

Flexible installation

Dual direction of drainage

LED display

Convenient maintenance

Wire/Remote control

Ultra-thin design

Comfort

Rapid started

Energy saving


Timer

Power-down memory

Model name	Ceiling Floor Indoor	ZEU-18FT	ZEU-24FT	ZEU-30FT	ZEU-36FT	ZEU-48FT	ZEU-60FT	
Power supply		V/Hz/Ph	220-240V~/50Hz/1P					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	55000
	Capacity	W	5270	7030	8790	10548	14000	16100
	Input	W	1600	2000	2800	3600	4200	5500
	Rated current	A	7.50	8.8	14.00	7.0	7.70	10.00
	EER	W/W	3.29	3.52	3.14	2.93	3.33	2.93
Indoor air flow (Hi/Me/Lo)		m3/h	1000/900/800	1200/1100/1000	1600/1300/1100	1600/1300/1100	1950/1700/1450	1950/1700/1450
Indoor noise level (Hi/Me/Lo)		dB(A)	43/41/38	51/49/47	51/49/47	51/49/47	54/51/48	54/51/48
Indoor dimension	Unit (WxHxD)	mm	1055×675×235	1055×675×235	1275×675×235	1275×675×235	1635×675×235	1635×675×235
	Packing (WxHxD)	mm	1130×748×305	1130×748×305	1350×748×305	1350×748×305	1710×748×305	1710×748×305
Indoor weight	Net	kg	23	25	29	29	38	38
	Gross	kg	28	30	35	35	44	44
Refrigerant	Type		R410A					
Refrigerant pipe	Liquid side	mm	φ6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	φ12.7	φ15.88	φ15.88	φ15.88	φ19.05	φ19.05
Drainage water pipe diameter		mm	OD25					
Operation temperature range		°C	-10~-48					

UNIVERSAL  
OUTDOOR UNIT

CB | **RoHS** | REACH



Universal design

3D fan design

Long life span

Wide voltage operation

Convenient maintenance

Multiple protection

Rapid started

Energy saving

Power-down memory

Intelligent defrosting

High reliability


Model name	Universal Outdoor Unit	ZSOU-18FT	ZSOU-24FT	ZSOU-30FT	ZSOU-36ET	ZSOU-48ET	ZSOU-60ET	
Power supply		V/Hz/Ph	220-240V~/50Hz/1P			380-415V~/50Hz/3P		
Max. input consumption		W	2200	3400	3800	4500	8000	
Max. current		A	10.0	15.0	18.0	9.5	14.3	
Starting current		A	36.0	48.0	60.0	36	62.0	69.0
Max Operating Pressure(MPa)	Discharge	MPa	4.5	4.5	4.5	4.5	4.5	4.5
	Suction	MPa	1.5	1.5	1.5	1.5	1.5	1.5
Outdoor air flow		m3/h	2100	4000	4000	4900	6300	6300
Outdoor noise level		dB(A)	48	55	56	58	60	60
Outdoor dimension	Unit (WxHxD)	mm	760×540×260	845×700×330	845×700×330	910×805×360	940×1250×340	940×1250×340
	Packing (WxHxD)	mm	863×590×361	960×735×430	960×735×430	1030×860×475	1040×1362×430	1040×1362×430
Outdoor weight	Net	kg	32	43	47	57	74	84
	Gross	kg	35	47	50	61	84	94
Refrigerant	Type		R410A					
Throttle type			Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	15.88	19.05	19.05
	Max. refrigerant pipe length	m	25	30	30	30	30	30
	Max. difference in level	m	15	15	15	20	30	30
Ambient temperature range	Cooling	°C	21~-48					
	Heating	°C	/					

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc., since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



05 ON/OFF R410A 50HZ COOLING & HEATING  
LOW AMBIENT TEMPERATURE MODEL

CASSETTE TYPE  
INDOOR UNIT



8-way air outlet panel

Built-in water pump

Universal design

Ultra-low noise design

LED display

Wire/Remote control

Low temperature operation

Healthy filter option

Comfort

Rapid started

Energy saving

Timer

Power-down memory

Model name

Q8 Cassette Indoor

ZCU-18HFT-EEUL

ZCRU-18HFT-EEUL

ZCRU-24HFT-EEUL

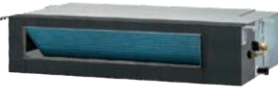
ZCRU-36HFT-EEUL

ZCRU-48HFT-EEUL

ZCRU-60HFT-EEUL

Power supply		V/Hz/Ph	220-240V~/50Hz/1P				
Cooling	Capacity	Btu/h	18000	18000	24000	36000	48000
	Capacity	W	5175	5200	7000	10500	14000
	Input	W	1683	1732	2050	3723	4636
	Rated current	A	7.65	7.87	8.70	7.80	9.30
	EER	W/W	3.07	3.00	3.41	2.82	3.02
Heating	Capacity	Btu/h	18000	18000	24000	40000	50000
	Capacity	W	5200	5200	7000	12000	14650
	Input	W	1761	1671	1850	3409	5079
	Rated current	A	8.00	8.60	8.0	7.20	9.50
	COP	W/W	3.18	3.53	3.78	3.52	2.88
Indoor air flow (Hi/Me/Lo)		m³/h	800/750/600	1100/950/880	1400/1200/950	1600/1500/1400	1700/1500/1400
Indoor noise level (Hi/Me/Lo)		dB(A)	41/38/34	42/39/35	43/41/37	45/43/41	45/43/41
Indoor dimension	Unit (WxHxD)	mm	575×260×575	830×230×830	830×230×830	840×245×840	830×290×830
	Packing (WxHxD)	mm	725×300×725	925×290×925	925×290×925	935×305×935	925×360×925
Indoor weight	Net	kg	19	22	22	26	28
	Gross	kg	22	27	27	30	33
Panel	Unit (WxHxD)	mm	650×30×650	950×45×950	950×45×950	950×45×950	950×45×950
	Packing (WxHxD)	mm	690×65×690	1035×80×1035	1035×80×1035	1035×80×1035	1035×80×1035
Refrigerant pipe	Net/Gross	kg	2.5/4.5	6/9	6/9	6/9	6/9
	Liquid side	mm	6.35	6.35	9.52	9.52	9.52
	Gas side	mm	12.70	12.70	15.88	15.88	19.05
Drainage water pipe diameter		mm	OD32				
Ambient temperature range	Cooling	°C	-15~48				
	Heating	°C	-25~24				

DUCT TYPE  
INDOOR UNIT



Flexible installation

Universal design

Dual direction of drainage

Ultra-low noise design

Low temperature operation

Wire/Remote control

Healthy filter option

Built-in water pump

Comfort

Rapid started

Energy saving

Timer

Power-down memory

Model name

MESP Duct Indoor

ZMDU-18HFT-EEUL

ZMDU-24HFT-EEUL

ZMDU-36HFT-EEUL


ZMDU-48HFT-EEUL

ZMDU-60HFT-EEUL

Power supply		V/Hz/Ph	220-240V~/50Hz/1P				
Cooling	Capacity	Btu/h	18000	24000	36000	48000	55000
	Capacity	W	5200	7000	10550	14000	16119
	Input	W	1761	2050	3584	4560	5694
	Rated current	A	8.00	8.70	7.8	9.30	12.00
	EER	W/W	2.95	3.41	2.94	3.07	2.83
Heating	Capacity	Btu/h	18000	24000	40000	50000	60500
	Capacity	W	5200	7000	12000	14650	17731
	Input	W	1513	1850	3468	4446	4845
	Rated current	A	6.87	8.0	7.2	9.50	12.40
	COP	W/W	3.90	3.78	3.46	3.30	3.66
Indoor air flow (Hi/Me/Lo)		m³/h	1170/770/650	1400/950/800	1800/1500/1350	2100/1750/1550	2200/1800/1600
Indoor external static pressure (Hi)		Pa	70	80	100	100	100
Indoor noise level (Hi/Me/Lo)		dB(A)	43/35/32	46/43/41	46/44/42	47/44/42	47/45/43
Indoor dimension	Unit (WxHxD)	mm	920×210×605	920×270×605	1140×270×745	1200×300×835	1200×300×835
	Packing (WxHxD)	mm	1115×280×690	1115×340×690	1345×345×830	1405×375×925	1405×375×925
Indoor weight	Net	kg	22	28	35	43	43
	Gross	kg	27	32	42	50	50
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD25				
Ambient temperature range	Cooling	°C	-15~48				
	Heating	°C	-25~24				

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

CEILING&FLOOR  
TYPE INDOOR UNIT



3D air flow

Flexible installation

Dual direction of drainage

LED display

Universal design

Convenient maintenance

Wire/Remote control

Low temperature operation

Comfort

Rapid started

Energy saving

Timer

Power-down memory

Model name

Ceiling Floor Indoor

ZEU-18HFT-EEUL

ZEU-24HFT-EEUL


ZEU-36HFT-EEUL

ZEU-48HFT-EEUL

ZEU-60HFT-EEUL

Power supply		V/Hz/Ph	220-240V~/50Hz/1P				
Cooling	Capacity	Btu/h	18000	24000	36000	48000	55000
	Capacity	W	5200	7000	10550	14000	16119
	Input	W	1712	2050	3578	4551	5594
	Rated current	A	7.78	8.70	7.8	9.30	12.00
	EER	W/W	3.04	3.41	2.95	3.08	2.88
Heating	Capacity	Btu/h	18000	24000	40000	50000	60500
	Capacity	W	5200	7000	12000	14650	17731
	Input	W	1782	1850	3468	4058	5147
	Rated current	A	8.50	8.0	7.2	9.50	12.40
	COP	W/W	3.29	3.78	3.46	3.61	3.44
Indoor air flow (Hi/Me/Lo)		m³/h	900/800/700	1200/1050/900	1700/1300/1100	2177/1689/1434	2177/1689/1434
Indoor noise level (Hi/Me/Lo)		dB(A)	43/41/38	45/43/40	45/43/40	52/49/46	52/49/46
Indoor dimension	Unit (WxHxD)	mm	1055×675×235	1055×675×235	1275×675×235	1635×675×235	1635×675×235
	Packing (WxHxD)	mm	1130×748×305	1130×748×305	1350×748×305	1710×748×305	1710×748×305
Indoor weight	Net	kg	23	23	29	40	38
	Gross	kg	29	29	35	46	44
Refrigerant pipe	Liquid side	mm	φ6.35	9.52	9.52	9.52	9.52
	Gas side	mm	φ12.7	φ15.88	φ15.88	φ19.05	φ19.05
Drainage water pipe diameter		mm	OD25				
Ambient temperature range	Cooling	°C	-15~48				
	Heating	°C	-25~24				

UNIVERSAL  
OUTDOOR UNIT



Universal design

Golden fin option

Long life span

Wide voltage operation

Convenient maintenance

Multiple protection

Rapid started

Energy saving

Intelligent defrosting

High reliability

Model name

Universal Outdoor Unit

ZSOU-18HFT-EEUL

ZSOU-24HFT-EEUL

ZSOU-36HFT-EEUL

ZSOU-48HET-EEUL

ZSOU-60HET-EEUL

Power supply		V/Hz/Ph	220-240V~/50Hz/1P		380-415V~/50Hz/3P	
Max. input consumption		W	2200	2800	6100	9200
Max. current		A	11.5	15.0	11.5	16.0
Starting current		A	36.8	50.0	66	80.0
Max Operating Pressure(MPa)	Discharge	MPa	4.2	4.5	4.2	4.2
	Suction	MPa	1.5	1.5	1.5	1.5
Outdoor air flow		m³/h	2400	4000	4900	6300
Outdoor noise level		dB(A)	56	54	58	60
Outdoor dimension	Unit (WxHxD)	mm	780×590×288	845×700×330	910×805×360	940×1250×340
	Packing (WxHxD)	mm	890×628×385	960×735×430	1030×860×475	1030×1365×430
Outdoor weight	Net	kg	34.5	47	60	91
	Gross	kg	38.5	50	64	102
Refrigerant		Type	R410A			
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	15.88	19.05
	Max. refrigerant pipe length	m	25	30	30	50
	Max. difference in level	m	15	15	20	30
Ambient temperature range	Cooling	°C	-15~48			
	Heating	°C	-25 ~ 24			


1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



06 ON/OFF R410A 50HZ T3 COOLING & HEATING

CASSETTE TYPE  
INDOOR UNIT

CB | **RoHS** | **REACH**



8-way air outlet panel

Built-in water pump

Ultra-low noise design

LED display

Wire/Remote control

High ambient temperature operation

Healthy filter option

Comfort

Rapid started

Energy saving

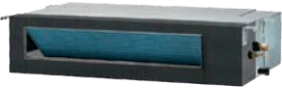
Timer

Power-down memory

Model name	Q8 Cassette Indoor	ZCRU-18HF3T	ZCRU-24HF3T	ZCRU-36HF3T	ZCRU-48HF3T	ZCRU-60HF3T
Power supply		V/Ph/Hz	220-240V/1Ph/50Hz			
Cooling	Capacity	Btu/h	18000	24000	36000	55000
	Capacity	W	5275	7034	10551	16120
	Input	W	1813	2500	3706	5800
	Rated current	A	8.30	10.00	16.96	9.58
	EER	W/W	2.91	2.91	2.85	2.78
Heating	Capacity	Btu/h	19000	26000	38000	57000
	Capacity	W	5569	7620	11137	16706
	Input	W	1695	2450	3560	5650
	Rated current	A	7.50	11.21	16.29	9.3
	COP	W/W	3.26	3.44	3.13	2.96
Indoor air flow (Hi/Me/Lo)		m³/h	1150/970/890	1500/1300/1100	1850/1650/1450	2100/1900/1700
Indoor noise level (Hi/Me/Lo)		dB(A)	42/38/36	43/41/37	46/44/42	48/46/44
Indoor dimension	Unit (WxHxD)	mm	830×230×830	830×230×830	830×290×830	830×290×830
	Packing (WxHxD)	mm	925×290×925	925×290×925	925×360×925	925×360×925
Indoor weight	Net	kg	24	25	28	30.5
	Gross	kg	29	30	32	35.5
Panel	Unit (WxHxD)	mm	950×45×950	950×45×950	950×45×950	950×45×950
	Packing (WxHxD)	mm	1035×80×1035	1035×80×1035	1035×80×1035	1035×80×1035
	Net/Gross	kg	6/9	6/9	6/9	6/9
Refrigerant pipe	Type		R410A			
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD32			
Ambient temperature range	Cooling	°C	21~55	21~55	21~55	21~55
	Heating	°C	-7~24			

DUCT TYPE  
INDOOR UNIT

CB | **RoHS** | **REACH**



Flexible installation

Dual direction of drainage

Ultra-low noise design

High ambient temperature operation

Wire/Remote control

Healthy filter option

Built-in water pump

Comfort

Rapid started

Energy saving

Timer


Power-down memory

Model name	MESP Duct Indoor	ZMDU-18HF3T	ZMDU-24HF3T	ZMDU-36HF3T	ZMDU-48HF3T	ZMDU-60HF3T
Power supply		V/Ph/Hz	220-240V/1Ph/50Hz			
Cooling	Capacity	Btu/h	18000	24000	36000	55000
	Capacity	W	5275	7034	10551	16119
	Input	W	1860	2500	3770	5694
	Rated current	A	8.20	11.44	17.00	12.00
	EER	W/W	2.84	2.81	2.80	2.83
Heating	Capacity	Btu/h	19000	26000	38000	57000
	Capacity	W	5569	7620	11137	16706
	Input	W	1784	2450	3570	5420
	Rated current	A	8.16	10.00	16.60	13.20
	COP	W/W	3.04	2.91	3.12	3.08
Indoor air flow (Hi/Me/Lo)		m³/h	1170/770/650	1400/950/800	1800/1500/1350	2200/1800/1600
Indoor external static pressure (Hi)		Pa	70	70	80	100
Indoor noise level (Hi/Me/Lo)		dB(A)	41/36/33	42/39/36	46/44/42	47/45/43
Indoor dimension	Unit (WxHxD)	mm	920×210×605	920×270×605	1140×270×745	1200×300×835
	Packing (WxHxD)	mm	1115×280×690	1115×340×690	1345×345×830	1405×375×925
Indoor weight	Net	kg	23	26	35	47
	Gross	kg	28	30	40	53
Refrigerant	Type		R410A			
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	19.05	19.05
Drainage water pipe diameter		mm	OD25			
Ambient temperature range	Cooling	°C	21~55	21~55	21~55	21~55
	Heating	°C	-7~24			

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. T3 cooling capacities are based on the following conditions: Indoor temp: xx°CDB, xx°CWB; Outdoor temp: xx°CDB; Equivalent ref. piping: 7.5m (horizontal)  
4. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

UNIVERSAL  
OUTDOOR UNIT

CB | **RoHS** | **REACH**



Universal design

Long life span

Wide voltage operation

High ambient temperature operation

Multiple protection

Rapid started

Energy saving

Power-down memory

Intelligent defrosting

High reliability

Model name	Universal Outdoor Unit	ZSOU-18HF3T	ZSOU-24HF3T	ZSOU-36HF3T	ZSOU-48HE3T	ZSOU-60HE3T
Power supply		V/Ph/Hz	220-240V/1Ph/50Hz		380-415V/3Ph/50Hz	
Max. input consumption		W	2775	3600	5900	9200
Max. current		A	13.3	17.2	28.2	15
Starting current		A	52.0	58.0	/	/
Max Operating Pressure(MPa)	Discharge	MPa	4.8	4.8	4.8	4.8
	Suction	MPa	1.5	1.5	1.5	1.5
Outdoor air flow		m³/h	2400	4000	4900	6300
Outdoor noise level		dB(A)	52	55	56	58
Outdoor dimension	Unit (WxHxD)	mm	820×300×605	900×315×650	900×360×805	940×1250×340
	Packing (WxHxD)	mm	910×392×635	1015×425×720	1020×475×860	1030×1365×440
Outdoor weight	Net	kg	42.5	54	64.5	106
	Gross	kg	46	58	70	117
Refrigerant	Charge		R410A			
Refrigerant pipe	Liquid side	mm	6.35	9.52	9.52	9.52
	Gas side	mm	12.70	15.88	19.05	19.05
	Max. refrigerant pipe length	m	25	25	30	50
	Max. difference in level	m	15	15	20	30
Ambient temperature range	Cooling	°C	21~55	21~55	21~55	21~55
	Heating	°C	-7~24			


1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. T3 cooling capacities are based on the following conditions: Indoor temp: xx°CDB, xx°CWB; Outdoor temp: xx°CDB; Equivalent ref. piping: 7.5m (horizontal)  
4. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
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07 ON/OFF R410A 50HZ T3 COOLING ONLY(HIGH EFFICIENCY)

CASSETTE TYPE  
INDOOR UNIT

CB | **RoHS** | **REACH** | | PAI



8-way air outlet panel

Built-in water pump

Ultra-low noise design

LED display

Wire/Remote control

High ambient temperature operation

Healthy filter option

Comfort

Rapid started

Energy saving

Timer

Power-down memory

Model name	Cassette Indoor	ZCRU-18F3T	ZCRU-24F3T	ZCRU-30F3T	ZCRU-36F3T	ZCRU-48F3T
Power supply		V/Ph/Hz	220-240V/1Ph/50Hz			
Cooling	Capacity	Btu/h	18000	23600	28500	42200
	Capacity	W	5272	6915	8350	12364
	Input	W	1520	1940	2370	3645
	Rated current	A	6.7	8.5	10.4	6.7
	EER	(Btu/h)/W	11.842	12.165	12.025	11.964
	EER	W/W	3.470	3.564	3.523	3.392
Cooling(T3)	Capacity	Btu/h	15600	20300	24600	36700
	Capacity	W	4570	5945	7210	10753
	Input	W	1820	2330	2840	4390
	Rated current	A	8.0	10.7	13.1	7.8
	EER	(Btu/h)/W	8.571	8.712	8.662	8.360
	EER	W/W	2.511	2.553	2.538	2.449
Indoor air flow (Hi/Me/Lo)		m3/h	1050/950/880	1550/1200/950	1800/1600/1300	2050/1750/1570
Indoor external static pressure (Hi)		Pa	/	/	/	/
Indoor noise level (Hi/Me/Lo)		dB(A)	41/38/36	48/46/44	48/46/44	55/51/48
Indoor dimension	Unit (WxDxH)	mm	830×830×230	830×830×230	830×830×290	830×830×290
	Packing (WxDxH)	mm	925×925×285	925×925×285	925×925×355	925×925×355
Indoor weight	Net	kg	24	24	29.5	31
	Gross	kg	27	27	34	35
Panel	Unit (WxHxD)	mm	950×45×950	950×45×950	950×45×950	950×45×950
	Packing (WxHxD)	mm	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035
Net/Gross		kg	6/9	6/9	6/9	6/9
Refrigerant		Type	R410A			
Refrigerant pipe	Liquid side	mm	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas side	mm	Φ12.7	Φ15.88	Φ15.88	Φ19.05
Drainage water pipe diameter		mm	/	/	/	/
Operation temperature range		℃	16~55			

DUCT TYPE  
INDOOR UNIT

CB | **RoHS** | **REACH** | | PAI



Flexible installation

Dual direction of drainage

Ultra-low noise design

High ambient temperature operation

Wire/Remote control

Healthy filter option

Built-in water pump

Comfort

Rapid started

Energy saving


Timer

Power-down memory

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
3. T3 cooling capacities are based on the following conditions: Indoor temp: xx°CDB, xx°CWB; Outdoor temp: xx°CDB; Equivalent ref. piping: 7.5m (horizontal)  
4. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.

UNIVERSAL  
OUTDOOR UNIT

CB | **RoHS** | **REACH** | | PAI



Universal design

Long life span

Wide voltage operation

High ambient temperature operation

Multiple protection

Rapid started

Energy saving

Power-down memory

Intelligent defrosting

High reliability

Model name	Universal Outdoor Unit	ZSOU-18F3T	ZSOU-24F3T	ZSOU-30F3T	ZSOU-36F3T	ZSOU-48E3T	ZSOU-60E3T
Power supply		V/Ph/Hz	220-240V/1Ph/50Hz				380-415V/3Ph/50Hz
Max. input consumption		W	2260	2726	3360	3940	5350
Max. current		A	11.1	13.5	16.5	19.5	11.5
Starting current		A	42	55	55	71	64
Max Operating Pressure(MPa)	Discharge	MPa	4.5	4.5	4.5	4.5	4.5
	Suction	MPa	1.9	1.9	1.9	1.9	1.9
Outdoor air flow		m3/h	2500	4000	4000	4000	6500
Outdoor noise level		dB(A)	54	57	57	60	59
Outdoor dimension	Unit (WxHxD)	mm	900×650×315	900×805×360	900×805×360	940×910×340	940×1250×340
	Packing (WxHxD)	mm	1015×720×425	1020×860×475	1020×860×475	1040×1040×430	1060×1380×430
Outdoor weight	Net	kg	46	55	61	72	97.5
	Gross	kg	50	59	65	79	107
Refrigerant		Type	R410A				
Refrigerant pipe	Liquid side	mm	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas side	mm	Φ12.7	Φ15.88	Φ15.88	Φ19.05	Φ19.05
	Max. refrigerant pipe length	m	25	25	30	30	50
	Max. difference in level	m	15	15	20	20	30
Ambient temperature range	Cooling	℃	16~55				
	Heating	℃	/				

51. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB; Equivalent ref. piping: 7.5m (horizontal)  
52. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB; Outdoor temp: 7°CDB, 6°CWB; Equivalent ref. piping: 7.5m (horizontal)  
53. T3 cooling capacities are based on the following conditions: Indoor temp: xx°CDB, xx°CWB; Outdoor temp: xx°CDB; Equivalent ref. piping: 7.5m (horizontal)  
54. Actual noise level may differ, depending on the room structure, etc, since these noise values are from an anechoic room.  
The above design and specifications will be updated without prior notice according to the upgrade and optimization of the product.



## APPLICATIONS



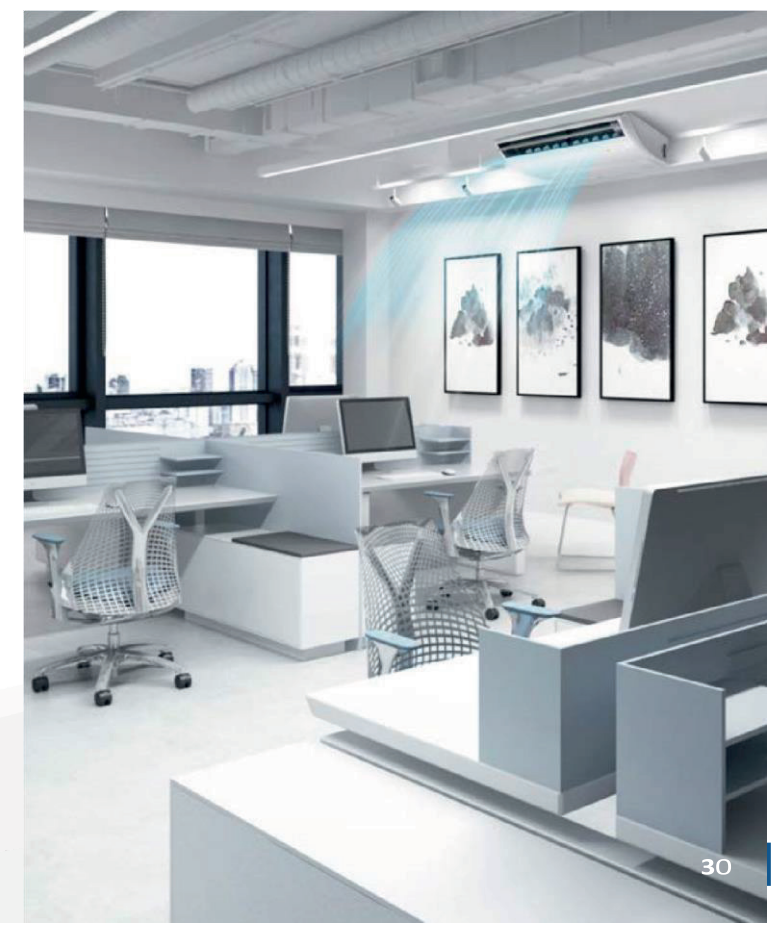
## SHOPPING MALL / SCHOOL

Duct type and cassette type systems provide appropriate air conditioning for large space with high ceiling and glass-sided without overwhelming the design aesthetic of the interior.



## OFFICE / STUDIO

The Cassette and ceiling&floor type brings a whole new level of control and comfort. The large outlet angle can be adjusted to breezeless, wind-avoid, wind-direct mode, catering to different needs in the office.







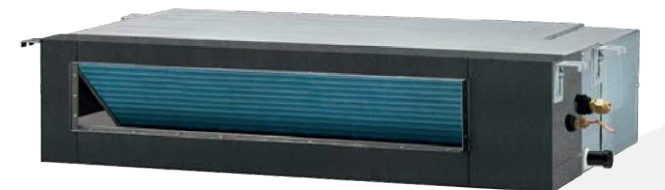
## HOTEL / GUESTHOUSE

For public place: Middle ESP duct and cassette type single split system are suitable for large spaces with high ceiling like the reception and lobby. For guest room: Low ESP duct performs excellent comfort, energy saving, low noise and easy installation.



## VILLA / RESIDENTIAL

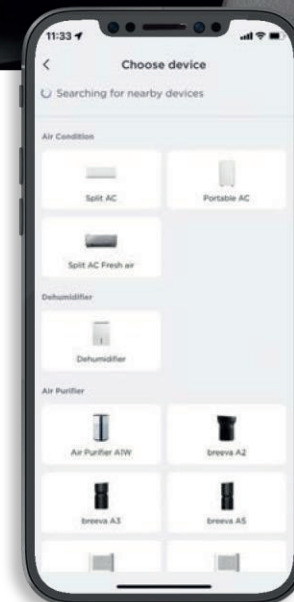
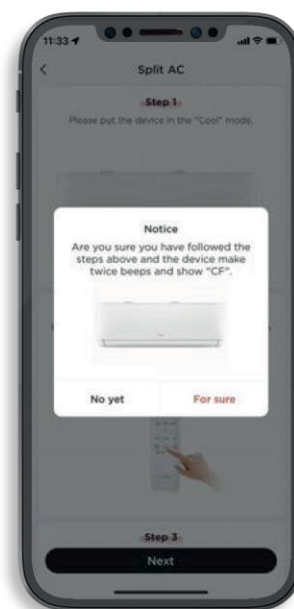
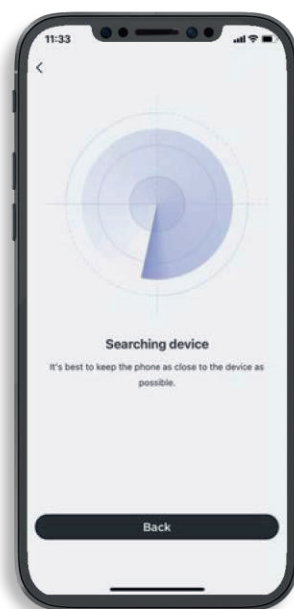
The duct type can match the space capacity and noise requirement, from living room where the whole family relax to small room such as bedroom and children's room





## Intelligent Operation Solution

### APP control Applicable models



### Centralized control Applicable models

7 inches and colorful screen display, beautiful appearance, touch screen and easy operation. A variety of combinations, single or multiple machines can be operated simultaneously, has the schedule setting and historical fault query function.

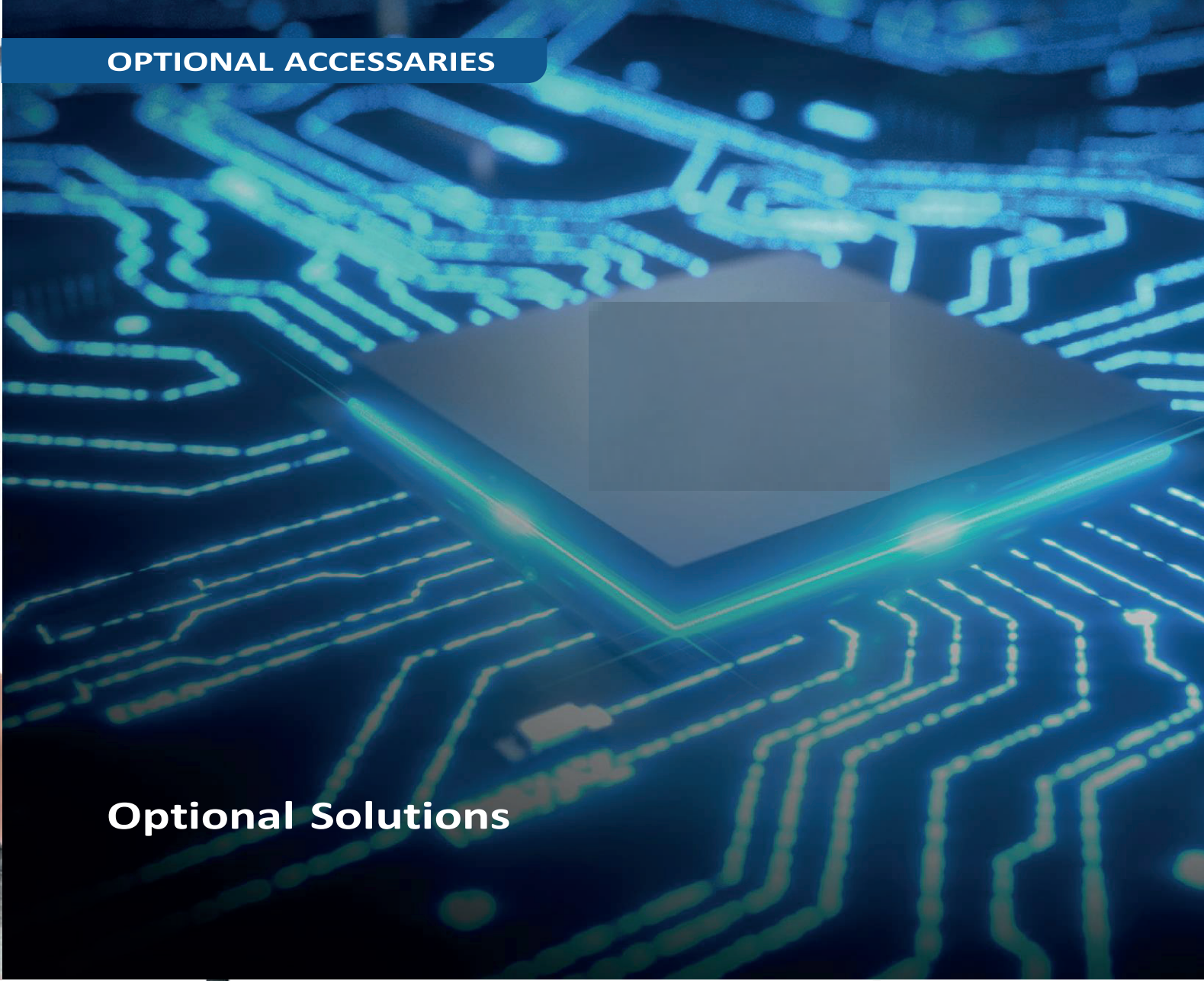
### Card control

For places in the hotel where an access control system is needed, this function provides an interface, which can cooperate with the hotel room card to operate the air-conditioning system to power on or off with the plugging state of the room card.

When insert the key card, air conditioner will start automatically







Optional Solutions

WiFi Operation Solution

WiFi control: No matter when and where, you can control and monitor the running status of the air conditioner after we connect the WiFi by our mobile phone



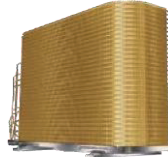
Remote controller (standard)



360° new panel (optional)



wired controller (optional)



Golden fin (optional)



Centralized controller (optional)



Healthy filter for cassette & duct unit (optional)





# TRACE COOL

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LEBANON

BY FARAJ TRACE FORWARD SARL

[WWW.TRACECOOL.COM](http://WWW.TRACECOOL.COM) . [INFO@TRACECOOL.COM](mailto:INFO@TRACECOOL.COM)