

# Air Conditioning



- Adopt all DC inverter technology to improve compressor efficiency.
- Under the subcooling control technology, the indoor unit and outdoor unit of ERS mini can operate reliably with longer connection pipe.
- Compared with traditional inverter motors, the operation is more energy efficient.
- Sensorless control technology guarantees lower noise, less vibration and steadier operation.

## Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China

Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: [info@erstech.com.au](mailto:info@erstech.com.au)

## Features



**4-6HP  
Outdoor unit**



**Wall mounted split Indoor**



All DC inverter technology



Energy saving function



Human engineering operation



Intelligent management



Long connection pipe design



Wide operation range



Comprehensive protection



Anti-corrosive fin

## Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China

Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: [info@erstech.com.au](mailto:info@erstech.com.au)

## SPECIFICATIONS (Outdoor unit)

		Allowable value
Total length (actual length) of fitting pipe		4/5/6HP
		300m
Length of farthest fitting pipe (m)	Actual length	120m
	Equivalent length	150m
From the 1 <sup>st</sup> branch to the farthest indoor pipe		40m
Height difference between ODU and IDU	ODU at upper side	50m
	ODU at lower side	40m
Height difference between IDUs		15m

Item	Nominal operating condition (temperature)				Operating range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	35	-	27	19	-5~48
Heating	7	6	20	-	-20~27

Model	-	ERS-AC24KWH
Capacity range	HP	6
Capacity	Cooling	kW
	Heating	kW
AEER	kW/kW	4.289
ACOP	kW/kW	5.243
Power supply	V/Ph/Hz	220V-240V ~ 50Hz
Power consumption	Cooling	kW
	Heating	kW
Maximum drive IDU NO.	unit	9
Refrigerant charge volume	kg	3.3
Sound pressure level	dB(A)	58
Connecting pipe	Liquid	mm
	Gas	mm
Dimension (W × D × H)	Outline	mm
	Package	mm
Net weight/Gross weight	kg	110/120

## Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China  
Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: info@erstech.com.au

## SPECIFICATIONS (Wall mounted split Indoor)

Model	—	ERS-WM28G-I	ERS-WM36G-I	ERS-WM50G-I	ERS-WM71G-I
Air flow volume	CFM	294	371	850	1200
ESP	Pa	0	0	0	0
Sound Pressure Level	dB	35	38	43	44
Rated Voltage	V	220-240/208-230	220-240/208-230	220-240/208-230	220-240/208-230
Rated Frequency	Hz	50/60	50/60	50/60	50/60
Phases	—	1	1	1	1
Series Name	—	Wall-mounted Type	Wall-mounted Type	Wall-mounted Type	Wall-mounted Type
Fan current	A	0.07	0.096	0.096	0.12
Refrigerant	—	R410A	R410A	R410A	R410A
Standard Controller	—	YAP1F	YAP1F	YAP1F	YAP1F
Gas Pipe	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9
Liquid pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52
Connection method	—	Flare Connection	Flare Connection	Flare Connection	Flare Connection
Cooling Capacity	kW	2.8	3.6	5	7.1
Heating Capacity	kW	3.2	4	5.6	7.5
Dimension of Outline	mm	845×209×289	845×209×289	970×224×300	1078×246×325
Dimension of Package	mm	976×281×379	976×281×379	1096×308×395	1203×338×425
Cooling Power Input	kW	0.02	0.25	0.035	0.065
Heating Power Input	kW	0.02	0.25	0.035	0.065
Cooling Current Input	A	0.1	0.12	0.17	0.31
Heating Current Input	A	0.1	0.12	0.17	0.31
Net Weight	kg	10.5	10.5	12.5	16
Net Weight	kg	12.5	12.5	15.5	19

### Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China  
 Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: [info@erstech.com.au](mailto:info@erstech.com.au)

## Replace scene

Item No.	ERS-AC24KWH		
Product category number	Scenario Number	Decommissioning requirements	VEU ( Residential Cold Zone )
6F	i	Hard-wired resistance electric room heater only (no refrigerative air conditioner) which is the main form of heating any premises.	23
	ii	<ul style="list-style-type: none"> <li>Hard-wired resistance electric heater which is the main form of heating any premises and</li> <li>Refrigerative air conditioner (whether ducted or not) that is not located in:               <ul style="list-style-type: none"> <li>in the case of an air conditioner in residential premises, a bedroom; or</li> <li>in the case of an air conditioner in business or non-residential premises, a room with an area of less than 20 m<sup>2</sup>.</li> </ul> </li> </ul>	23
	iii	Central electric resistance that provides heating to a space with a floor area of at least 100 m <sup>2</sup> or slab heater only (no refrigerative air conditioner) which is the main form of heating any premises.	173
	iv	<ul style="list-style-type: none"> <li>Central electric resistance that provides heating to a space with a floor area of at least 100 m<sup>2</sup> or slab heater which is the main form of heating any premises; and</li> <li>Refrigerative air conditioner (whether ducted or not) that is not located in:</li> </ul>	177
	v	Ducted air conditioner - reverse cycle - which is the main form of heating any premises.	55
	vi	Non-ducted air conditioner - reverse cycle.	34
	vii	Ducted gas heater only (no refrigerative air conditioner) which is the main form of heating any premises.	88
	viii	<ul style="list-style-type: none"> <li>Ducted gas heater which is the main form of heating any premises; and</li> <li>Refrigerative air conditioner (whether ducted or not) that is not located in:               <ul style="list-style-type: none"> <li>in the case of an air conditioner in residential premises, a bedroom; or</li> <li>in the case of an air conditioner in business or non-residential premises, a room with an area of less than 20 m<sup>2</sup>.</li> </ul> </li> </ul>	91
	ix	Non-ducted gas heater only (no refrigerative air conditioner).	55
	x	<ul style="list-style-type: none"> <li>Non-ducted gas heater; and</li> <li>Refrigerative air conditioner (whether ducted or not) that is not located in:               <ul style="list-style-type: none"> <li>in the case of an air conditioner in residential premises, a bedroom; or</li> <li>in the case of an air conditioner in business or non-residential premises, a room with an area of less than 20 m<sup>2</sup>.</li> </ul> </li> </ul>	56
	xi	No decommissioning.	26

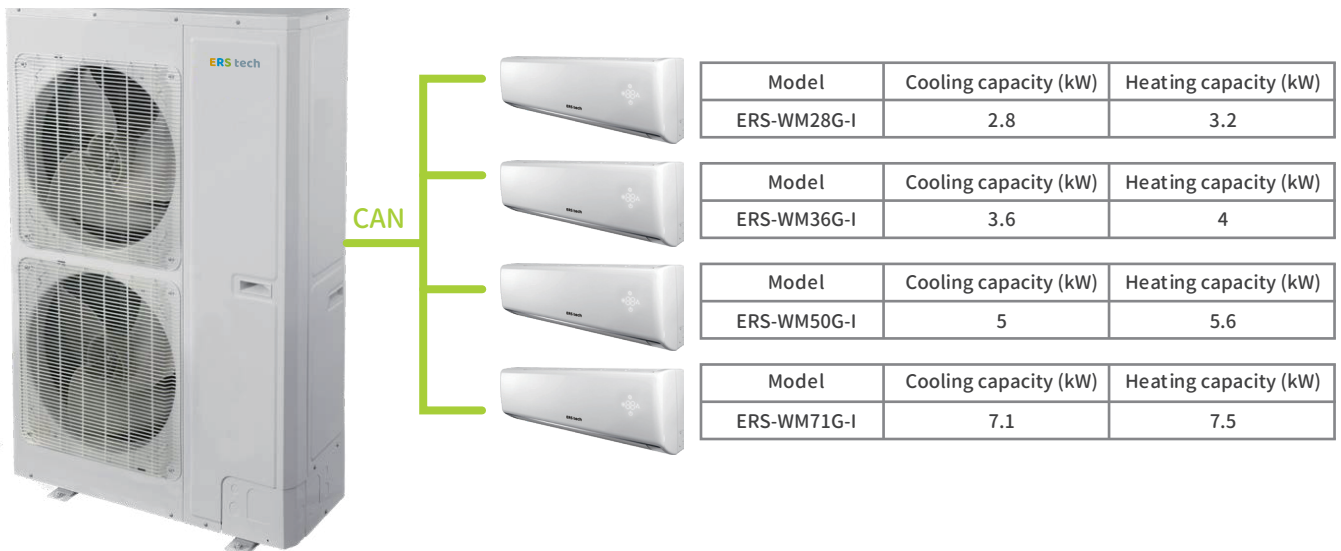
### Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China  
 Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: [info@erstech.com.au](mailto:info@erstech.com.au)

## BASIC SYSTEM CONFIGURATION



- 2.8KW suggested space area below 15 square meters
- 3.6KW suggested space area 16–30 square meters
- 5KW suggested space area 20–40 square meters
- 7.1KW suggested space area 30–50 square meters

### Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China

Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: info@erstech.com.au

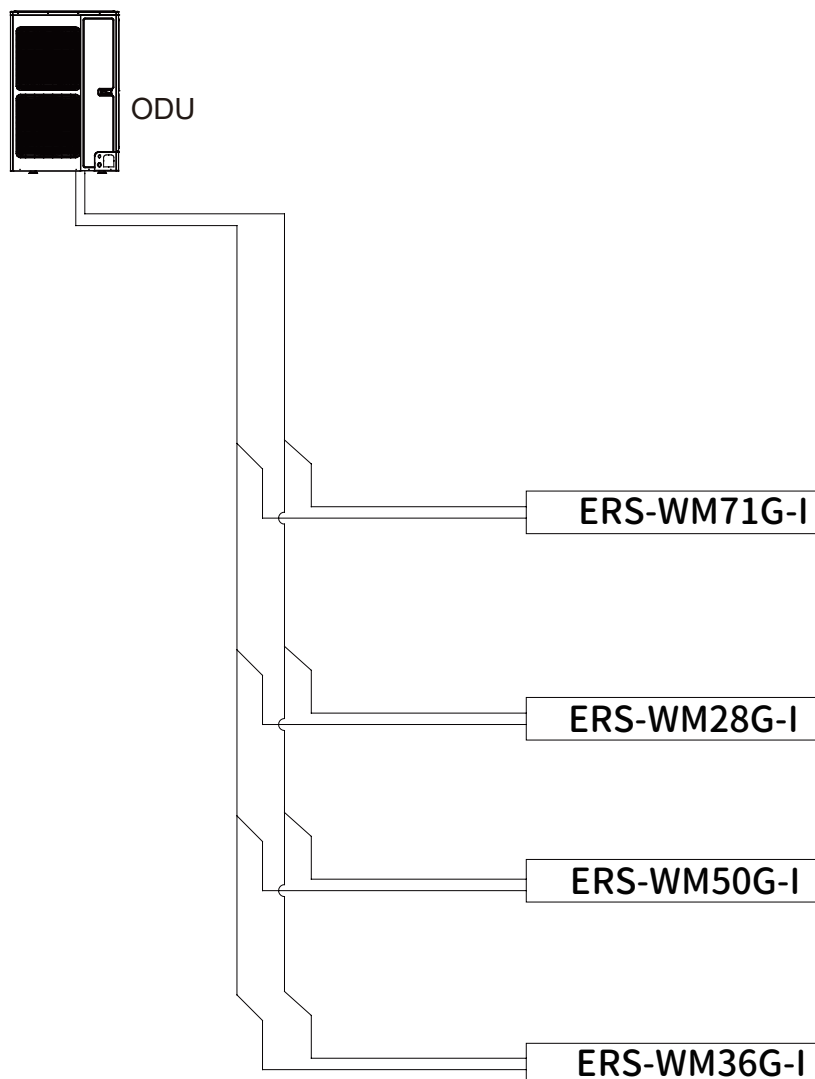
## BASIC SYSTEM CONFIGURATION

### System legend(ex.)

Model name of outdoor unit: ERS-AC24KWH

Allowed capacity code of indoor unit: Min:7750W Max: 20925W.

Note: The total capacity code of indoor units shall be within **50%~135%** of the capacity code of selected outdoor unit.



Total capacity code of indoor units is  $28+71+36+50=185$ , so the selected outdoor unit is ERS-AC24KWH

### Shenzhen ERS Technology

Factory Add: C209, Baohuasen International Center, Qianjin Second Road, Xixiang Town, Bao'an District, Shenzhen, China

Warehouse Add: 4-6 Kinder St campbellfield vic3061 Australia

Tel: 048 470 3010

Email: info@erstech.com.au