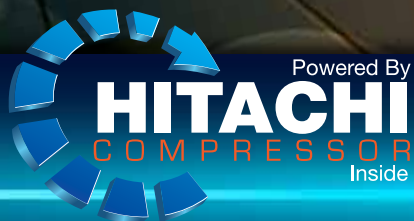




# airconditioningcentre<sup>®</sup>

climate controlled environments



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## Super Inverter Ceiling Cassette Systems

Model No:  
KFR-50QIW/X1cM | KFR-74QIW/X1cM | KFR-120QIW/X1cM

Our EASYfit ceiling cassette air conditioner comprises of two elements - an internal and an external unit. The internal unit is fitted into the ceiling in the room to be cooled, whilst the external unit is situated outside the building. The two are connected using copper pipe. The external unit, or condenser, removes the heat from the room and dissipates it outside, along with any condensation that's built-up in the system, whilst the internal unit provides cooling. All our systems will Heat the room as well when required.

### Features:

- Remote control
- Adjustable fan speeds for rapid cooling or minimum noise
- Heat-pump model provides heating as well as cooling
- Oscillating air vanes for dissipation of cold air
- A timer feature that will turn the unit on and off automatically
- High efficiency air filters to remove odours and particles
- Anti-mould coating for hygienic operation
- Digital display to show operational settings and temperature
- A "Smart Air" feature that will recal previous settings at the push of a button

Inverter air conditioners use a variable-frequency drive to control the speed of the motor and thus the compressor. The variable-frequency drive uses a rectifier to convert the incoming AC current to DC and then uses pulse-width modulation of the DC current within an inverter to produce AC current of a desired frequency. The AC current is used to drive a brushless motor or an induction motor.



### Standard Features on all Models



High Efficiency Filter Screen



### SUPER INVERTER CEILING CASSETTE SYSTEMS

Model	KFR50QIW/X1CM	KFR-74QIW/X1CM	KFR-120QIW/X1CM
Power Rating (Ph-V-Hz)	1 / 220-240V / 50 Hz	1 / 220-240V / 50Hz	1 / 220-240V / 50Hz
Capacity BTU/H (cooling) kW	17000 / 5.0	24000 / 7.3	36000 / 10.5
Capacity BTU/H (heating) kW	18000 / 5.3	26000 / 8.0	40000 / 11.2
Power Input (W) Cooling/Heating	1550-1460	2180-2100	3230-3250
Current Input (A) Cooling/Heating	7.1-6.7	10.0-9.6	5.6-5.6
EER (BTU/hr.w)	5.6	6.5	5.6
COP (W/W)	3.8	3.8	3.8
Dehumidification (L/h)	1.7	2.6	3.5
Indoor Noise Level dB(A) (Hi/M/Lo)	42	43	48
Outdoor Noise Level dB(A)	51	54	55
Indoor Airflow (m3/h) (Hi/M/Lo)	800 max	1780 max	1850 max
Max. Current Rating (A) Fuse Rating (type D)	8	11	12
Net Dimension (mm) indoor (W/D/H)	570x570x260	840x840x245	840x840x245
Net Dimension (mm) outdoor (W/D/H)	760x590x285	845x895x335	990x966x354
Net/Gross Weight (kg) indoor	18	24	27
Net/Gross Weight (kg) outdoor	40	53	82
Max Room Size (m <sup>2</sup> )	25-45	34-60	50-100
Max Conservatory Size (m <sup>2</sup> )	N/A	N/A	N/A
Connecting Pipe Length (m)	5	6	6
Pipe Diameter Liquid/Gas (Inch)	1/4 & 1/2	3/8 & 5/8	3/8 & 5/8
Selectable Temp Range °C	17-30	17-30	17-30
Minimum Operating Temp (Cooling/Heating) °C	-7 / -15	-7 / -15	-10 / -15
Automatic Restart after Power Failure	Yes	Yes	Yes
Automatic Refrigerant Leak Detection & Self Diagnosis Systems	Yes	Yes	Yes

## Console Systems

Our EASYfit Console air conditioners are specially designed to be installed on the floor or lower wall. They comprise two elements - an internal and an external unit. The elegant and thin unit body complements the existing decor and saves space whilst the external unit is situated outside the building. The two are connected using copper pipe. The external unit or condenser removes the heat from the room and dissipates it outside along with any condensation that's built-up in the system whilst the internal unit provides cooling.



### Features:

- Remote control
- Adjustable fan speeds for rapid cooling or minimum noise
- Heat-pump model provides heating as well as cooling
- Oscillating air vanes for dissipation of cold air
- A timer feature that will turn the unit on and off automatically
- High efficiency air filters to remove odours and particles
- Anti-mould coating for hygienic operation
- Digital display to show operational settings and temperature
- Vertical auto swing and wide angle louvers ensure that warm air reaches every corner of the room and increases the air flow coverage



### Standard Features on all Models



High Efficiency Filter Screen



Model	KFR37CW/X1CM	KFR57QW/X1CM
Power Rating (Ph-V-Hz)	1/ 220-240V / 50 Hz	1/ 220-240V / 50 Hz
Capacity BTU/H (cooling) kW	12000 / 3.5	17000 / 5.0
Capacity BTU/H (heating) kW	13000 / 3.6	18000 / 5.3
Power Input (W) Cooling/Heating	1090~970	1460~1380
Current Input (A) Cooling/Heating	5~4.5	6.7~6.3
EER (BTU/hr.w)	6.2	5.6
COP (W/W)	3.8	3.8
Dehumidification (L/h)	1.1	1.7
Indoor Noise Level dB(A) (Hi/M/Lo)	47	48
Outdoor Noise Level dB(A)	51	55
Indoor Airflow (m3/h) (Hi/M/Lo)	700 max	740 max
Max. Current Rating (A) Fuse Rating (type D)	7	10
Net Dimension (mm) indoor (W/D/H)	700x210x600	700x210x600
Net Dimension (mm) outdoor (W/D/H)	780x250x547	842x324x695
Net/Gross Weight (kg) indoor	15	15
Net/Gross Weight (kg) outdoor	34	52
Max Room Size (m <sup>2</sup> )	16-27	25-42
Max Conservatory Size (m <sup>2</sup> )	12	20
Connecting Pipe Length (m)	4	4
Pipe Diameter Liquid/Gas (Inch)	1/4 & 3/8	1/4 & 1/2
Selectable Temp Range °C	17-30	17-30
Minimum Operating Temp (Cooling/Heating) °C	-7 / -15	-7 / -15
Automatic Restart after Power Failure	Yes	Yes
Automatic Refrigerant Leak Detection & Self Diagnosis Systems	Yes	Yes

## Low Wall/Under Ceiling Systems

Our EASYfit Low-Wall air conditioners are specially designed to be effective on Dwarf Walls in Conservatories.

They comprise two elements - an internal and an external unit. The internal unit is fitted onto the Dwarf Wall in the Conservatory, whilst the external unit is situated outside the building. The two are connected using copper pipe. The external unit, or condenser, removes the heat from the room and dissipates it outside, along with any condensation that's built-up in the system, whilst the internal unit provides cooling. All our systems will Heat the room as well when required.

### Features:

- Remote control
- Adjustable fan speeds for rapid cooling or minimum noise
- Heat-pump model provides heating as well as cooling
- Oscillating air vanes for dissipation of cold air
- High efficiency air filters to remove odours and particles
- Anti-mould coating for hygienic operation



### Standard Features on all Models



High Efficiency Filter Screen

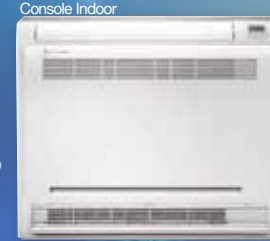


Model	SUPER INVERTER LOW WALL SYSTEM	LOW WALL SYSTEM
	KFR55LW/X1CM	KFR75LW/X1CM
Power Rating (Ph-V-Hz)	1 / 220-240V / 50Hz	1 / 220-240V / 50Hz
Capacity BTU/H (cooling) kW	18000 / 5.3	24000
Capacity BTU/H (heating) kW	18000 / 5.3	26000
Power Input (W) Cooling/Heating	1620~1410	2423~2415
Current Input (A) Cooling/Heating	7.4~6.5	12.4~12.2
EER (BTU/hr.w)	6.2	EER 2.93
COP (W/W)	3.8	COP 3.15
Dehumidification (L/h)	2.5	2.6
Indoor Noise Level dB(A) (Hi/M/Lo)	42	45/43/40
Outdoor Noise Level dB(A)	51	55
Indoor Airflow (m3/h) (Hi/M/Lo)	900 max	1200/900/700
Max. Current Rating (A) Fuse Rating (type D)	8	18
Net Dimension (mm) indoor (W/D/H)	1068x675x235	990x660x203
Net Dimension (mm) outdoor (W/D/H)	760x590x285	846x335x695
Net/Gross Weight (kg) indoor	25	24
Net/Gross Weight (kg) outdoor	40	51
Max Room Size (m <sup>2</sup> )	25-45	55
Max Conservatory Size (m <sup>2</sup> )	30	24
Connecting Pipe Length (m)	5	6
Pipe Diameter Liquid/Gas (Inch)	1/4 & 1/2	3/8 & 5/8
Selectable Temp Range °C	17-30	17-30
Minimum Operating Temp (Cooling/Heating) °C	-7 / -15	-7 / -15
Automatic Restart after Power Failure	Yes	Yes
Automatic Refrigerant Leak Detection & Self Diagnosis Systems	Yes	Yes





# Multi Split Systems - Mix & Match



## THE BEST MATERIALS

- World Class High Efficiency Compressor
- Super-Quality Internally Ground Copper Pipe
- Multi-folds Evaporator
- Hydrophilic Film Aluminum Foil
- Titanium Heat Exchanger

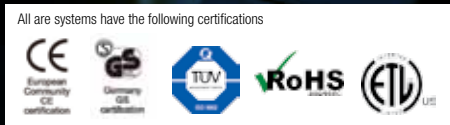
## FRESH AND COMFORTABLE FUNCTIONS

- Three-dimensional Swinging Pattern Air Delivery Technology
- Healthy Dehumidification Function Units
- Pre-heating Function
- Independent Dehumidifying
- Cooling Function
- Heating Function

## INTELLIGENT CONTROL AND EASY OPERATION FUNCTIONS

- Self-dignosis and Auto-protection Function
- Intelligent Defrosting
- Automatic Restart Function
- On/Off by Timers
- Intelligent Control Easy Operation

Model	SUPER INVERTER MULTI SYSTEM OUTDOOR UNITS		WALL SPLIT INDOOR			CEILING CASSETTE INDOOR		CONSOLE INDOOR	
	KMS3MIO/X1CM	KMS5MIO/X1CM	KFR23IW/X1C-MIU	KFR33IW/X1CMIU	KFR53IW/X1CMIU	KFR50QIW/X1CMIU	KFR37CIW/X1CMIU	KFR57CIW/X1CMIU	
Power Rating (Ph-V-Hz)	1 / 220-240V / 50 Hz	1 / 220-240V / 50 Hz	1/ 220-240V / 50 Hz	1/ 220-240V / 50 Hz	1/ 220-240V / 50 Hz	1/ 220-240V / 50 Hz	1/ 220-240V / 50 Hz	1/ 220-240V / 50 Hz	
Capacity BTU/H (cooling) kW	27000 / 8.4 (9.9)	36000 / 10.5 (12.0)	9000 / 2.7	11000 / 3.2	17000 / 5.0	17000 / 5.0	12000 / 3.5	17000 / 5.0	
Capacity BTU/H (heating) kW	30000 / 9.4 (11)	42000 / 12.3 (14)	9000 / 2.8	11000 / 3.4	18000 / 5.1	18000 / 5.3	13000 / 3.6	18000 / 5.3	
Power Input (W) Cooling/Heating	2470~2380 (3.6)	3280~3400 (4.9)	N/A	N/A	N/A	N/A	N/A	N/A	
Current Input (A) Cooling/Heating	10.8~10.3	14.6~15.3	N/A	N/A	N/A	N/A	N/A	N/A	
EER (BTU/hr.w)	SEER 7	SEER 5.3	N/A	N/A	N/A	N/A	N/A	N/A	
COP (W/W)	SCOP 3.9	SCOP 3.4	N/A	N/A	N/A	N/A	N/A	N/A	
Dehumidification (L/h)	N/A	N/A	1	1.1	1.7	1.7	1.1	1.7	
Indoor Noise Level dB(A) (Hi/M/Lo)	N/A	N/A	36/32/28	42/35/29	46/42/36	42	47	48	
Outdoor Noise Level dB(A)	61	63	N/A	N/A	N/A	N/A	N/A	N/A	
Indoor Airflow (m3/h) Hi/M/Lo	N/A	N/A	400/350/320	500/400/350	730/680/560	800 max	700 max	740 max	
Max. Current Rating (A) Fuse Rating (type D)	16.5	22	N/A	N/A	N/A	N/A	N/A	N/A	
Net Dimension (mm) indoor (W/D/H)	N/A	N/A	710x189x250	790x196x275	930x189x275	570x570x260	700x210x600	700x210x600	
Net Dimension (mm) outdoor (W/D/H)	900x315x860	990x345x965	N/A	N/A	N/A	N/A	N/A	N/A	
Net/Gross Weight (kg) indoor	N/A	N/A	6.5	8	9	18	15	15	
Net/Gross Weight (kg) outdoor	62	80	N/A	N/A	N/A	N/A	N/A	N/A	
Max Room Size (m <sup>2</sup> )	N/A	N/A	13-22	16.27	25.42	25.45	16-27	25-42	
Max Conservatory Size (m <sup>2</sup> )	N/A	N/A	10	13	22	N/A	12	20	
Connecting Pipe Length (m)	N/A	N/A	Order Separately	Order Separately	Order Separately	Order Separately	Order Separately	Order Separately	
Pipe Diameter Liquid/Gas (Inch)	3 Sets of 1/4 & 3/8	5 Sets of 1/4 & 3/8	1/4 & 3/8	1/4 & 3/8	1/4 & 1/2	1/4 & 1/2	1/4 & 3/8	1/4 & 1/2	
Selectable Temp Range °C	N/A	3 Sets of	17-30	17-30	17-30	17-30	17-30	17-30	
Minimum Operating Temp (Cooling/Heating) °C	-7 / -15	-7 / -15	-7 / -15	-7 / -15	-7 / -15	-7 / -15	-7 / -15	-7 / -15	
Automatic Restart after Power Failure	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Automatic Refrigerant Leak Detection & Self Diagnosis Systems	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	



High Efficiency Filter Screen



Scroll Compressor Technology



super efficient R410a refrigerant ECOFRIENDLY



3 Core Intelligent Digital Inverter Technology



# Evaporative Coolers\*\*

Presenting, a hip new range of air coolers from MasterKool. Sleek and stylish, iKOOOL could be a cool addition to your décor. What's more, these chic models consume bare minimum space and energy. Revved up with many power-packed features, iKOOOL is the right choice for a cool summer, this year.



consumes 85 watts only

also works on inverter power

delivers fresh, filtered cool air

consumes 120 watts only

also works on inverter power

delivers fresh, filtered cool air

consumes 135 watts only

also works on inverter power

delivers fresh, filtered cool air

- Dura-pump Technology**  
For long life of the pump.
- Powerful Air Throw with Auto Swing**  
For faster cooling.
- Empty Water Tank Alarm**  
Provides consumer convenience.
- Cool Flow Dispenser**  
Channelised water distribution for superior cooling.
- Intelligent Remote**  
Full function remote with timer.
- Large Tank Capacity**  
Gives uninterrupted night-long cooling.
- Feather-touch Digital Control Panel**  
For ease of operation.
- High Efficiency Cooling Pads**  
For enhanced cooling.
- System Restore Function**  
Remembers and restores previous settings.

\*\*Features may vary from model to model

Model	iKOOOL 10	iKOOOL 25	iKOOOL 50	iKOOOL 100
Air volume m <sup>3</sup> /hr	900	2000	2500	7000
Cooling Area (approx.) sqm	15	20	23	60
Power (W)	85	120	135	320
Input electricity (W/Hz)	220/50	220/50	220/50	220/50
Current (A)	0.38	0.73	0.8	2.0
Water tank capacity (Ltrs)	10	23	45	93
Water continuous usage (Ltrs/hr)	14-20	5-9	10.18	10.17
Water evaporation rate (Ltrs/hr)	0.5-7.5	2.4-4.6	2.8-4.8	5.5-9.3
Noise dB	45	52	52	62
Fan speeds	3	3	3	3
Oscillation angle	90°	90°	90°	90°
Water run out alarm indicator	X	3	3	3
Timer function	✓	✓	✓	✓
Setting memory	X	X	X	X
Powered air direction L/R swing	✓	✓	✓	✓
Vent size (cm)	18x30	35x35	35x35	57x57
Cooling pad volume (cm <sup>3</sup> )	3275	18530	18530	76500
Dimensions HxWxD (mm)	910x280x280	870x480x340	1115x480x340	1380x870x570
Net Weight (Kgs)	6.2	10.5	11.5	42
Direct water connection	X	X	X	✓

# Mobile Air Conditioner Systems

Our high performance portable air conditioner features heat pump technology, enabling this unit to both heat and cool at the push of a button. Fitted with easy-roll castors it can be conveniently moved from room to room as required. A ducted exhaust hose is included with the system to vent the hot air to the outside of the building. An adjustable window mounting panel is also supplied to attach the exhaust hose for ease of use. This unit benefits from an automatic in built condensate pump, which pumps the water out with the exhaust air, so there is no water tank to empty.

Model	KYR25CO/X1C	KYR35/X1C*	KYR45GW/X1C
Power Rating	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz
Capacity BTU/h (cooling)	9000 (2.6kW)	12500 (3.5kW)	14000 (4.1kW)
Capacity BTU/h (heating)	COOL ONLY	12700 (3.7kW)	16000 (4.5kW)
Power Input W (C/H)	1000	1250/1345	1708/1550
Current Input A (C/H)	4.5	5.5/6.0	7.5/6.7
EER (BTU/hc/w)	2.6	2.8	2.4
COP (w/w)	N/A	3.04	2.90
Noise dB(A)	57	56	58
Dehumidification (L/h)	1.0	1.2	1.2
Airflow (m <sup>3</sup> /h)	370	480	480
Net Dimension (mm) W/D/H	352x378x753	460x430x830	460x430x830
Net Weight (kg)	24.5	42	42
Max Room Size	20m sq	25m sq	32m sq
Max Conservatory Size	9m sq	12m sq	15m sq
Exhaust Hose Length	1.7m	1.7m	1.7m
Exhaust Hose Diameter	150mm	150mm	150mm
Window Extraction Kit	Yes	Yes	Yes

Features:

- Remote control
- Adjustable fan speeds for rapid cooling or minimum noise
- Heat-pump model provides heating as well as cooling
- Oscillating air vanes for dissipation of cold air
- A timer feature that will turn the unit on and off automatically
- High efficiency air filters to remove odours and particles
- Anti-mould coating for hygienic operation
- Digital display to show operational settings and temperature
- A "Smart Air" feature that will recall previous settings at the push of a button
- 1.7 mtr exhaust hose (150mm diameter)

Standard Features on all Models



High Efficiency Filter Screen



super efficient R410a refrigerant COOLINGLY



KYR-35/X1C/ KYR-45GW/X1C



## Indoor Pool & Commercial Dehumidifiers

An elegant, slimline design this dehumidifier delivers high duty performance quietly and quickly, and is designed specifically for swimming pools and commercial storage.

No special installation is required as the dehumidifier can be wall or floor mounted.

### Features:

- High-efficiency and energy-saving
- Unique air purification
- High speed air design
- Full electronic control
- Intelligent design
- Environmentally friendly
- Durable
- Multi protect



### Standard Features on all Models



Model	PDH60A	PDH110A
Dehumidification @ 30°C/70%RH (L/24h)	60	110
Heat recovered to air @ 30°C/60%RH (W)	2785	4315
Rated input power (W)	920	1423
Power supply (V/PH/Hz)	220/1/50	220/1/50
Rated current (A)	4.2	6.5
Max current (A)	9.4	14.6
Circulating air volume (Cu <sup>3</sup> /h)	800	1200
Operating temperature range (°C)	0-35	0-35
Compressor protection	3 minutes delay	3 minutes delay
Refrigerant	R410a	R410a
Net weight (Kg)	30	36
Net dimension (mm)	905/243/673	1288/243/673

## Air Source Heat Pump

Air Source Heat Pumps are becoming an increasingly popular choice for home heating, especially in areas with less severe winters. But what makes it such a viable heating alternative, and how does it work? Quite simply, our ASHP Systems have a motor powered by electricity that supplies more energy than it consumes when it extracts heat from the surrounding air. For every unit of energy purchased as electricity, several units of heat are delivered, making it four times more effective.

### Features:

- Low Running Cost
- 80% More Efficient than Conventional Electric
- Digital LED Controller
- Titanium Heat Exchange
- Oscillating air vanes for dissipation of cold air
- Auto Restart after power cut
- Intelligent Defrost
- Quiet Running

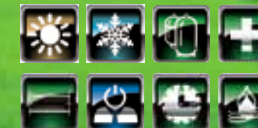


Model	AHP50MCS	AHP80MCS	AHP130MCS
Rated Heating Capacity (Air 20°C / Water 55°C)	kW 5.2 BTU/h 17331	8.2 27330	13.0 43330
Rated Cooling Capacity	kW 4.3 BTU/h 14671	6.1 20813	9.8 33438
Rated Input Power (Cooling)	kW 1.33	2.05	3.08
Rated Input Current (Cooling)	A 5.80	9.3	14.2
COP (Air 7°C / Water Out 35°C / Water In 30°C)	W/W 4.08	4.05	4.08
Auxiliary Electric Heater Power	kW 3.0	3.0	3.0
Auxiliary Electric Heater Power Current	A 13.6	13.6	13.6
Max Water Out Temp	°C 60.0	60.0	60.0
Power Supply	V/PH/Hz 220-240/1/50	220-240/1/50	220-240/1/50
Compressor Brand	Inverter Hitachi	Toshiba	Daikin
Lowest Operating Air Temp	°C -15.0	-15.0	-15.0
Noise	dB(A) 48	48	56
Water Outlet / Water Inlet	Inch 3/4"	1"	1"
Water Flow Volume	m <sup>3</sup> /h 1.2-2.0	1.8-2.3	2.6-3.2
Refrigerant Gas Type	R410A	R410A	R410A
Blue LCD Digital Controller	YES	YES	YES
Net Dimensions (HxWxDmm)	mm 874/470/655	1026/495/755	1118/530/1055
Net Weight (kg)	kg 77	100	151



All of our Air Source Heat Pumps are MCS Approved for the Microgeneration Scheme Grants

### Standard Features on all Models





**UK office:**  
 Unit 8  
 Milton Business Centre  
 Wick Drive  
 New Milton  
 Hampshire  
 BH25 6RH

**Tel:**  
 0370 33 44 55 6

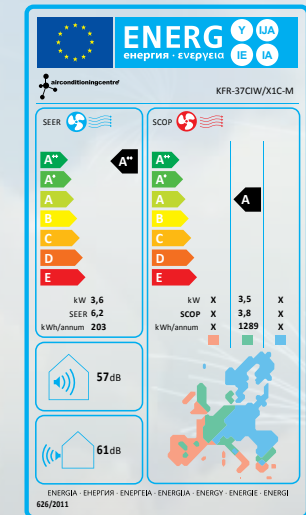
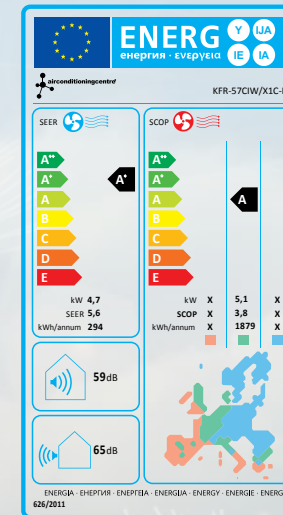
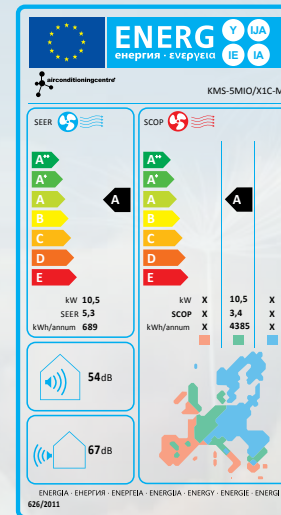
**Fax:**  
 0370 33 44 55 9

**Email:**  
[info@airconditioningcentre.com](mailto:info@airconditioningcentre.com)



Scan our QR Code with your Smartphone. Download a QR Reader from Android Market or your App Shop

## Our systems have Energy Ratings of A++, A+ & A



Model:	Rating:
KFR-23 26 33 36 37, 53 55, 56	A++
KFR-50, 74 57, 63, 66, 75 KMS3MIO/X1cM	A+
KMS5MIO/X1cM, KFR120QIW	A