

Air conditioning & Heating
Catalogue 2011



ELECTRA

A i r c o n d i t i o n i n g

Summary 2011

CORPORATE

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LEXA & PLATINIUM DCI



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2.2 to 6.5 kW

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Floor Standing

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Heat pump



Cooling only



Fluid R410A

All Electra products
bear the CE mark.

Our factories are ISO 9001 certified by one of above certification bodies

GENERAL NOTES

All values are specified for a 230V supply voltage. Nominal cooling capacity: International conditions : 27°C/19°C (wet bulb) – outside air temperature 35°C/24°C (wet bulb) (Standards NF EN 255.2 – NF EN 814.2). Nominal heating capacity: International conditions: 20°C/12°C (wet bulb) – outside air temperature 7°C/6°C (wet bulb) (Standards NF EN 255.2 – NF EN 814.2). Acoustic levels: Global acoustic pressure in dBA (1 m comfort range, 4 m industrial and chilled water) under nominal conditions: outdoor unit in an open area against a reflective background – indoor unit: installation in an average sized room (PV – 0.5 s reverberation) or acoustic capacity depending on models.



5 production sites in the world

With its state-of-the-art manufacturing facilities benefiting from the most up-to-date production methods, the Group has 5 production sites throughout the world with a total annual capacity of 2,000,000 units. To meet ever-changing market demands, we have structured our design and manufacturing systems around each manufacturing site's specialisation.

Tillières (France)

Manufacture of medium capacity chilled water production appliances, chilled water terminals and convector fan.

Surface area:
110,000 m².

Annual production:
180,000 units.

Barlassina (Italy)

Manufacture of large capacity air conditioning and chilled water production appliances up to 1,000 kW as well as convector fans.

Surface area:
50,000 m².

Annual production:
30,000 units.

Shenzhen (China)

Production of low capacity residential and semi-industrial appliances.

Surface area:
100,000 m².

Annual production:
1,000,000 units.

Pons (France)

Manufacture of medium and large air handling and treatment units.

Surface area:
55,000 m².

Annual production:
72,000 units.

Rishon-Le-Zion (Israel)

Manufacture of residential and tertiary sector appliances.

Surface area :
73,000 m².

Annual production :
500,000 units.

A group in continuous expansion

ELECTRA was originally founded in 1947 and now the Group has a worldwide presence. Via its network of sales outlets, ELECTRA is dedicated to the design, manufacture and marketing of air conditioning systems adapted to the most demanding markets. Thanks to our continuous development programmes, we offer a broad range of products, for meeting today's needs in the residential, tertiary and industrial sectors.



Shenzhen (China)



Tillières (France)



Shenzhen (China)



Fluid



**Innovation only
has meaning if it
includes respect for
the environment.**

All ELECTRA employees take pride in designing, manufacturing and marketing products that always match users' expectations and that are respectful of our environment. Therefore, we are always seeking the balance between technology and ecology on all of our products by complying with the most stringent requirements in terms of quality and respect for the environment. In line with this principle and with European directives, in all its appliances ELECTRA uses environmentally friendly fluids that do not harm the ozone layer. An HFC (hydro-fluoro-carbon) type fluid that protects the environment and the ozone layer. Environmental protection and sustainable development have always been at the very core of our design preoccupations.

WEEE (Waste electrical and electronic equipment)

On 13th August 2005, the new European Directive on Waste Electrical and Electronic Equipment (WEEE) came into force.

The Directive's aim is to regulate the disposal of electronic waste by separating its treatment from that of household waste.

Selective collection systems are being put in place to recover all WEEE with the view to recycling.

This Directive requires air conditioning appliance manufacturers and distributors to:

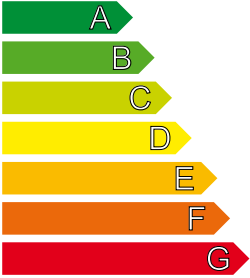
- Mark certain models marketed after 13th August 2005.
- Meet financial obligations associated with end-of-life appliance recycling.

As users of our products, and on those products covered by the Directive, you will observe a pictogram on the Maker's plate representing a «crossed-out refuse bin». This pictogram is intended to inform the user that the appliance in question must be disposed of separately from household waste.

As part of its sustainable development policy, along with the entire profession, Electra is committed to abiding by this new European initiative. Our environment is precious, let's preserve it.



The labelling classifies air conditioning systems in 7 categories (from A to G) in relation to their energy consumption. Those appliances with the best energy efficiency are awarded an A label (Green colour arrow on the label) those with the lowest energy efficiency a G label (Red colour arrow). This label also includes a certain number of details (Brand, Model, Cooling and heating capacity, Noise level) and allows the user to compare the efficiency of different products.

Energy		Air-conditioner	
Manufacturer Outside unit Inside unit		 UE 7 DCI UI Delta 7 DCI	
More efficient  Less efficient		A	
Annual energy consumption, kWh in cooling mode (Actual consumption will depend on how the appliance is used and climate)		295	
Cooling output kW		2.2	
Energy efficiency ratio Ful load (the higher the better)		3.3	
Type		—	
Cooling only		—	
Cooling + Heating		☐	
Air cooled		☐	
Water cooled		—	
Heat output kW		2.5	
Heating performance A: higher G: lower		A	
Noise (dB(A) re 1 pW)		30	
Further information is contained in product brochures			
Norm EN 814 Air-conditioner Energy Label Directive 2002/31/EC			

Indication of annual energy consumption

Based on a standard model, this annual consumption is calculated by multiplying the total capacity by an average running time of 500 hours per annum in Cooling mode and under full load.

• Cooling capacity

The refrigerating capacity is defined as the cooling capacity in kW of an appliance, running in Cooling mode under full load.

EER or Energy Efficiency Ratio

This is the ratio between the refrigerating capacity and the amount of electricity consumed to attain it. In other words, the higher the EER, the better the energy efficiency.

Energy Efficiency Categories* in cooling mode

A	EER > 3.2	E	2.6 > EER > 2.4
B	3.2 > EER > 3.0	F	2.4 > EER > 2.2
C	3.0 > EER > 2.8	G	2.2 > EER
D	2.8 > EER > 2.6		

• Heating Capacity

Heating capacity is defined as the Heating capacity in kW of an appliance running in Heating mode and under full load.

COP or Coefficient of Performance

This is the ratio between the Heating capacity and the quantity of electricity consumed to attain it. In other words, the higher the COP, the better the energy efficiency.

Energy Efficiency Categories* in heating mode

A	COP > 3.6	E	2.8 > COP > 2.6
B	3.6 > COP > 3.4	F	2.6 > COP > 2.4
C	3.4 > COP > 3.2	G	2.4 > COP
D	3.2 > COP > 2.8		

* only for splits and multisplits.

Remote controls

With their compact size and excellent ergonomics, ELECTRA infrared remote controls provide perfect user comfort. As a clever blend of design and high technology, these remote controls with a signal transmission range of 8 m, enable easy day-to-day control of a complete range of functions to make users' lives easier. These remote controls allow the user to select the operating mode (Heating, Cooling, Dehumidification), to choose the desired temperature, the fan speed and the air sweeping function as well as to programme a whole host of sophisticated functions such as:

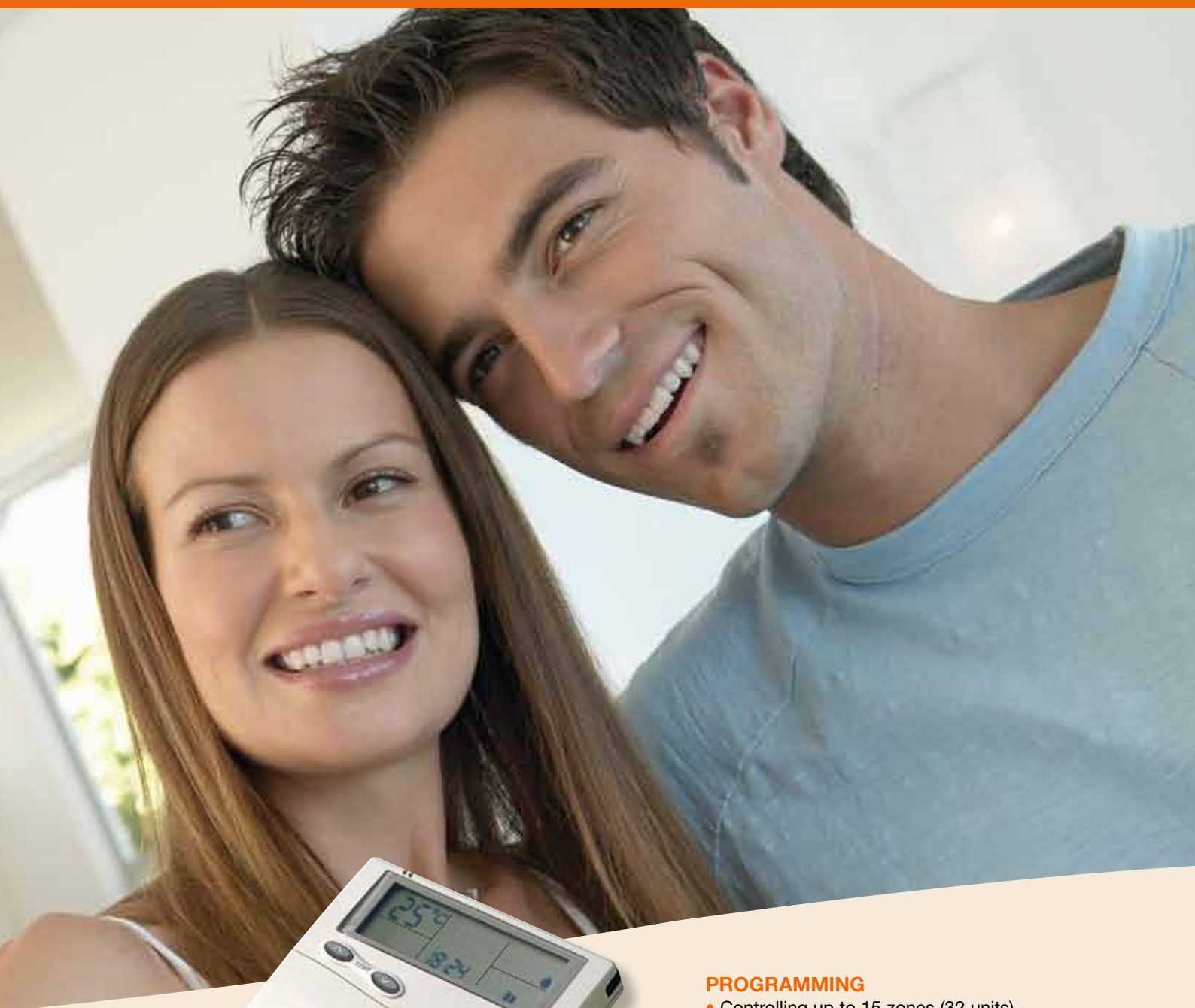


RC7 model

- Night time slow running. This function adapts the night time temperature in an ideal manner, whilst reducing consumption and creating energy savings of up to 7%.
- "I FEEL" function. This innovation from ELECTRA's R&D department enables the point of temperature measurement to be moved, leading to better temperature control.
- Programming. This function provides for deferred, or programmed, unit ON/OFF control and results in optimised user comfort along with energy savings.



RC8A model



RCW2 model

Multi-functions remote controls at the forefront of ergonomic design

PROGRAMMING

- Controlling up to 15 zones (32 units) with individual unit time programming and temperature setting functions.
- 7 day programmable thermostat with 2 daily setting ranges.

BASIC FUNCTIONS

- Heating/Cooling electronic regulation.
- Automatic fan ventilation or 3 fixed speeds fan ventilation.
- Night time slow running.
- Dehumidification.

CENTRALISED CONTROL

- Easy functions duplication for quick programming.
- "Master/Slave" function.
- Time delayed start up of air treatment units (multiple unit installations).
- Permanent "I feel" function (single unit installations).

Wall mounted

LEXA & PLATINIUM DC INVERTER

Product benefits

- Perfect comfort, unequalled unobtrusiveness, great accuracy in maintaining the desired temperature and controlling air quality.
- R410A "green" fluid.
- Optimal efficiency: Class A energy label (depending on models).
- Heating mode operation down to outdoor temperatures of -15° C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- AQS filtration: electrostatic filter + Ioniser.
- Automatic treated air sweeping.
- LCD screen (except PLatinium 30 DCI).
- Fluid pre-charged at the factory for up to 20 m pipe lengths (depending on models).
- Compatible with DUO, TRIO, QUATTRO and CINCO DCI Multisplits.



Indoor units LEXA 9-12-18-24 DCI



Indoor unit PLATINIUM 28 DCI



RC7 Remote control



AC DC 9-12



OU VDB024 - OUD30 DCI

Accessories

		LEX 12 DCI	LEX 18 DCI	LEX 24 DCI	PLATINIUM 28 DCI
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	-	-

5 DC Inverter models: from 2 500 to 8 500 W

**LEXA & PLATINIUM
DC INVERTER SERIES**

	LEXA 9 DCI	LEXA 12 DCI	LEXA 18 DCI	LEXA 24 DCI	PLATINIUM 28 DCI
Indoor Units	ELSI-LEXA009-N11	ELSI-LEXA012-N11	ELSI-LEXA018-N11	ELSI-LEXA024-N11	IU PLATINIUM DCI 28 AQS 410
Outdoor Units	AC DC 9 INV R410	AC DC 12 INV R410	ELAU-VBD018-H11	ELAU-VBD024-H11	ELAU-ODD30-H11

Cooling Capacity	kW	2.5 (1.4-3.6)	3.5 (1.4-4.3)	5 (1.5-6)	6.8 (1.5-7.5)	7.8 (1.5-8.8)
Input power	kW	0.5	0.87	1.37	2.25	2.59
EER/Energy Label		5.0/A	4.02/A	3.65/A	3.01/B	3.01/B
Outdoor temperature operating limits	°C	← -10°/ 46° Dry Bulb →				

Heating Capacity	kW	3 (1.5-5)	4 (1.5-5.8)	5.6 (1.3-6.8)	7.6 (1.5-8.8)	8.5 (1.5-9.5)
Capacity at -15°C	kW	2.0	2.6	2.3	-	-
Input power	kW	0.6	1	1.46	2.35	2.65
COP/Energy Label		5.0/A	4.0/A	3.84/A	3.23/C	3.21/C
Outdoor temperature operating limits	°C	← -15°/ 24° Dry Bulb →				

Indoor unit

Sound pressure level to 1 m (LS/MS/HS)	dB(A)	26/34/39	26/34/40	34/39/43	38/43/47	44/48/51
Sound power level (LS/MS/HS)	dB(A)	39/47/51	39/47/52	47/51/55	51/56/60	57/61/66
Airflow	m³/h	330/430/530	350/450/550	550/700/850	670/800/960	900/1050/1250
Dehumidification	l/h	1	1.5	2	2.5	3
Dimensions (WxDxH)	mm	810x210x285	810x210x285	1060x221x295	1060x221x295	1200x236x340
Weight	kg	11.5	11.5	15	15	18.5
• Part number		ESP022464	ESP022465	ESP022466	ESP022468	ESP022284

Outdoor unit

Sound pressure level to 1 m	dB(A)	51	52	53	56	58
Sound power level	dB(A)	61	62	63	69	69
Airflow	m³/h	1780	1780	2160	3600	3600
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	950x412x835	950x412x835
Weight	kg	38	38.5	38	64.5	66
• Part number		ESP061483	ESP061720	ESP061686	ESP061714	ESP061683

Linking specifications between indoor and outdoor units**Power supply 1~230V-50Hz**

Power supply side		Indoor	Indoor	Indoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	25	25
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5	4x2.5

Pipe line

Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"	3/8"
Max lenght	m	20	20	30	30	30
Max height	m	10	10	10	15	15

Wall mounted

JED DC INVERTER

Product benefits

- DC inverter technology.
- Sine wave compressor drive technology.
- Energy class A/A.
- I Feel function.
- Flat panel and modern design.
- Compact dimensions.
- Led display panel with room set temperature display.
- Low noise level.
- Automatic clean and internal system drying.
- Self Diagnostic by digital failure code indication.
- Automatic restart.
- Cooling and heating boosting.
- High Efficiency filters including photo catalytic and antibacterial pre filters.



Indoor units JED 009-012-018-024 DCI



RC8A Remote control



OU VDD 009-012 DCI



OU VDD 018 DCI



OU VDD 024 DCI



4 DC Inverter models: from 2 650 to 6 700 W



JED DC INVERTER SERIES		JED 009	JED 012	JED 018	JED 024
Indoor units		ELSI-JED009-N11	ELSI-JED012-N11	ELSI-JED018-N11	ELSI-JED024-N11
Outdoor units		ELAU-VDD009-H11	ELAU-VDD012-H11	ELAU-VDD018-H11	ELAU-VDD024-H11
Cooling Capacity	kW	2.65 (0.45-3.23)	3.53 (0.6-3.96)	5.3. (1.05-6.5)	6.45 (1.4-7.0)
Input power	kW	0.8	1.1	1.6	2
EER/Energy Label		3.3/A	3.21/A	3.31/A	3.22/A
Outdoor temperature operating limits	°C	← 10°/46° Dry bulb →			
Heating Capacity	kW	3.52 (0.45-4.1)	4.1 (0.6-5.13)	5.8 (1.0-7.1)	6.7 (1.2-8.0)
Input power	kW	0.95	1.14	1.6	1.85
COP/Energy Label		3.7/A	3.61/A	3.62/A	3.62/A
Outdoor temperature operating limits	°C	← -15°/24° Dry bulb →			
Indoor unit					
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	24/30/36/41	25/31/37/42	29/37/40/45	34/39/44/48
Sound power level (LS/MS/HS/SS)	dB(A)	34/40/46/51	35/41/47/52	32/47/50/55	44/49/54/58
Airflow (LS/MS/HS/SS)	m³/h	280/370/520/630	300/410/560/680	460/560/680/800	550/700/800/1000
Dehumidification	l/h	0.8	1.5	3	4
Dimensions (WxDxH)	mm	770x201x283	770x201x283	865x215x305	1008x221x319
Weight	kg	8	9	12	15
• Part number		ESP022456	ESP022457	ESP022458	ESP022459
Outdoor unit					
Sound pressure level to 1 m	dB(A)	47	48	54	56
Sound power level	dB(A)	57	58	64	66
Airflow	m³/h	1600	1600	2700	2900
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	658x275x550	658x275x550	955x424x700	955x396x700
Weight	kg	28	30	52	55
• Part number		ESP061721	ESP061722	ESP061723	ESP061724
Linking specifications between indoor and outdoor units					
Power supply 1~230V-50Hz					
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16A	16A	25A	25A
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5
Pipe line					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max lenght	m	15	15	25	25
Max height	m	5	5	10	10
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x1.5

Wall mounted JGF

Product benefits

- Flat panel design.
- Led display panel with room set temp display.
- Low noise level.
- High efficiency filters including photo catalytic and anti bacterial pre filters.
- R410A high performance fluid.
- Energy label class A/A (sizes 7, 9 and 12).
- Compact dimensions.
- Auto clean and internal drying.
- Self diagnostic by failure code indication.
- Auto restart.
- Cooling and heating boosting mode.



Indoor units JGF 007-009-012-018-024



RC8A Remote control



OU VGF 009-012



OU VGF 018-024



4 DC Inverter models: from 2 640 to 6 500 W



JGF SERIES		JGF 007	JGF 009	JGF 012	JGF 018	JGF 024
Indoor Units		ELSI-JGF007-N11	ELSI-JGF009-N11	ELSI-JGF012-N11	ELSI-JGF018-N11	ELSI-JGF024-N11
Outdoor Units		ELAU-VGF007-H11	ELAU-VGF009-H11	ELAU-VGF012-H11	ELAU-VGF018-H11	ELAU-VGF024-H11
Cooling Capacity	kW	2.2	2.64	3.22	5.3	6.15
Input power	kW	0.685	0.82	1	1.64	1.9
EER/Energy Label		3.21/A	3.21/A	3.21/A	3.23/A	3.24/A
Outdoor temperature operating limits	°C	← 21/46°C Dry Bulb →				
Heating Capacity	kW	2.38	2.81	3.52	5.7	6.50
Input power	kW	0.66	0.78	0.97	1.67	1.9
COP/Energy Label		3.61/A	3.61/A	3.61/A	3.41/B	3.42/B
Outdoor temperature operating limits	°C	← - 9/24°C Dry Bulb →				
Indoor unit						
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	32/35/37/40	32/35/37/40	32/35/38/40	38/42/45/48	38/41/44/47
Sound power level (LS/MS/HS/SS)	dB(A)	42/45/47/50	42/45/47/50	42/45/48/50	48/52/55/58	48/51/54/57
Dehumidification	l/h	0.8	1	1	3	3
Airflow (LS/MS/HS/SS)	m³/h	310/340/370/400	310/340/370/400	350/420/500/550	550/650/780/850	550/650/780/850
Dimensions (WxDxH)	mm	730x174x255	730x174x255	790x177x265	940x200x298	940x200x298
Weight	kg	8	8	9	13	13
• Part number		ESP022469	ESP022451	ESP022452	ESP022453	ESP022454
Outdoor unit						
Sound pressure level to 1 m	dB(A)	50	50	52	54	54
Sound power level	dB(A)	60	60	62	64	64
Airflow	m³/h	1500	1500	1800	2790	2790
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary
Dimensions (WxDxH)	mm	730x310x428	785x320x540	798x320x540	913x378x680	913x378x680
Weight	kg	23/05/11	31	35	46	46
• Part number		ESP061751	ESP061716	ESP061717	ESP061718	ESP061719
Linking specifications between indoor and outdoor units						
Power supply 1~230V-50Hz						
Power supply side		Indoor	Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.0	3x1.0	3x1.0	3x2.5	3x2.5
Fuse rating am	A	10	10	16	25	25
Electrical connections	mm²	3x1.0+2x0.75	3x1.0+2x0.75	3x1.0+2x0.75	5x2.5	5x2.5
Pipe line						
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	1/4"
Max lenght	m	5	15	20	25	25
Max height	m	10	10	10	10	10

Floor/Ceiling

PXD DC INVERTER

Product benefits

- Perfect comfort, unequalled unobtrusiveness, great accuracy in maintaining the desired temperature and controlling air quality.
- R410A «green» fluid.
- Optimal efficiency : Class A energy label (depending on models).
- Heating mode operation down to outdoor temperatures of -15 °C.
- Optimal temperature regulation.
- Electronic regulation and programming.
- Dual automatic treat air sweeping.
- Fluid pre-charged at the factory for up to 20 m pipe lengths (depending on models).
- Low wall or ceiling mounting.
- Possibility of air conditioning two separate rooms with a single unit.
- Compatible with DUO, TRIO, QUATTRO and CINCO DCI Multisplits.



Horizontal
or vertical
unit
mounting



Possibility of air
conditioning
2 separate rooms
with a single unit



Indoor units PXD 9-12-18-21-24 DCI



OU DC 9-12-18 DCI



RC7 Remote control



RCW2 Remote control (accessory)
• Part number 7ACEL1212



OU VBD 022-024 DCI

Accessories

		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI	PXD 21 DCI
Condensate lift pump	• Part number	7ACFH0221	7ACFH0221	7ACFH0221	7ACFH0221
Air distribution unit	• Part number	7ACVF0122	7ACVF0122	7ACVF0123	7ACVF0123
Rear panel tube cover	• Part number	7ACTL0073	7ACTL0073	7ACTL0074	7ACTL0074
Mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	-

4 DC Inverter models: from 2 500 to 6 300 W

**PXD DC INVERTER SERIES**

		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI	PXD 21 DCI	PXD 24 DCI
Indoor Units		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI	PXD 21 DCI	PXD 24 DCI
Outdoor Units		AC DC 9 INV R410	AC DC 12 INV R410	ELAU-VBD018-H11	ELAU-VBD022-H11	ELAU-VBD024-H11

Capacity	kW	2.5 (1.4-3.6)	3.5 (1.5-4.4)	5 (1.5-5.8)	5.7 (1.5-6.4)	6.8 (1.5-7.6)
Input power	kW	0.62	0.98	1.51	1.78	2.25
EER/Energy Label		4.03/A	3.57/A	3.31/A	3.2/A	3.02/B
Outdoor temperature operating limits	°C	← -10°/46° Dry bulb →				
Capacity	kW	3.2 (1.5-4.5)	4.2 (1.5-5.0)	5.6 (1.3-6.5)	6.3 (1.6-7.5)	7.6 (1.6-8.6)
Capacity at -15°C	kW	1.9	2.5	2.3	-	-
Input power	kW	0.93	1.31	1.59	1.75	2 105
COP/Energy Label		3.41/B	3.21/B	3.52/B	3.6/A	3.61/A
Outdoor temperature operating limits	°C	← -15°/24° Dry bulb →				

Indoor unit

Sound pressure level to 1 m (LS/MS/HS)	dB(A)	29/37/42	30/41/45	40/48/51	43/47/51	46/51/58
Sound power level (LS/MS/HS)	dB(A)	41/49/54	51/53/56	56/60/65	55/59/63	58/63/69
Airflow (LS/MS/HS)(CO/HP)	m³/h	300/350/400	300/400/450	600/750/870	650/780/920	800/950/1020
Dehumidification	l/h	1	1.5	2	2	2.5
Dimensions (WxDxH)	mm	820x190x630	820x190x630	1200x190x630	1200x190x630	1200x190x630
Weight	kg	21	22	30	31	32
• Part number		ESP012133	ESP012134	ESP012135	ESP012163	ESP012164

Outdoor unit

Sound pressure level to 1 m	dB(A)	51	52	53	56	56
Sound power level	dB(A)	61	62	63	66	69
Airflow	m³/h	1780	1780	2160	2860	3600
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	846x302x690	950x412x835
Weight	kg	38	38.5	38	45	64.5
• Part number		ESP061483	ESP061720	ESP061686	ESP061715	ESP061714

Linking specifications between indoor and outdoor units**Power supply 1~230V-50Hz**

Power supply side		Indoor	Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20	25
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5	4x2.5

Pipe line

Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	3/8"
Max lenght	m	20	20	20	20	30
Max height	m	10	10	10	10	15

Floor/Ceiling TAF

Product benefits

- Auto mode/Cooling/Heating/Dehumidification
- Sleep mode (from remote control)
- ON/OFF Timer
- Auto swing/Vertical auto swing
- Intelligent Deicing
- Memory from power failure
- Cold air prevention in heating
- Self diagnostic (Error indications) for ease of maintenance
- Available in 1 or 3 phases (depend of models)
- Remote control RC08A
 - Low power battery indication
 - I FEEL function
- Wired Remote control (optional)
- Centralized Control and Week Timer (Optional)



Indoor units TAF 024



Indoor units TAF 030-036-042



RC8A Remote control



OU VIF 024



OU VIF 030-036



OU VIF 042



4 Heat Pump models R410A: from 7 000 to 14 000 W



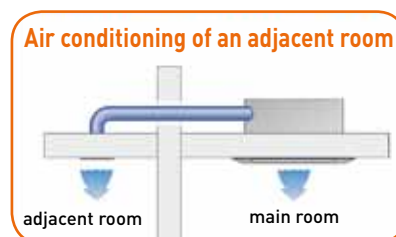
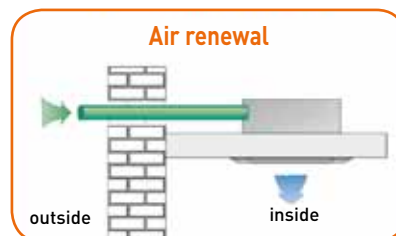
TAF SERIES		TAF 024		TAF 030		TAF 036		TAF 042		
Indoor Units		ELSI-TAF024-N11		ELSI-TAF030-N11		ELSI-TAF036-N11		ELSI-TAF042-N11		
Outdoor Units 1~230V - 50 Hz		ELAU-VIF024-H11		ELAU-VIF030-H11		ELAU-VIF036-H11				
Outdoor Units 3~400V - 50 Hz						ELAU-VIF036-H13		ELAU-VIF042-H13		
Cooling Capacity		kW	7.00	8.80		10.00		12.00		
Input power		kW	2.61	3.00		3.60		4.80		
EER/Energy Label			2.68/D	2.93/C		2.77/D		2.5/E		
Outdoor temperature operating limits		°C			← 18°/43° Dry bulb →					
Heating Capacity		kW	8.00	9.80		11.00		14.00		
Input power		kW	2.59	2.85		3.3		4.7		
COP/Energy Label			3.08/D	3.43/B		3.33/C		2.97/D		
Outdoor temperature operating limits		°C			← -7°/24° Dry bulb →					
Indoor unit										
Sound pressure level to 1 m (LS/MS/HS)		dB(A)	46/48/50		49/51/52		48/51/54		48/51/54	
Sound power level (LS/MS/HS)		m³/h	56/58/60		59/61/62		58/61/64		58/61/64	
Airflow (LS/MS/HS)		m³/h	1000/1080/1170		1300/1450/1600		1520/1630/1800		1520/1630/1800	
Dehumidification		l/h	2.4		2.3		2.9		4.3	
Dimensions (WxDxH)		mm	1300x600x188		1420x700x245		1590x695x238		1590x695x238	
Weight		kg	32		50		42		42	
• Part number			ESP012174		ESP012175		ESP012176		ESP012177	
Outdoor unit										
Sound pressure level to 1 m		dB(A)	59		59		60		60	
Sound power level		dB(A)	69		69		70		70	
Airflow		m³/h	3200		4200		4000		6000	
Compressor type			Rotary		Rotary		Scroll		Scroll	
Dimensions (WxDxH)		mm	1018x412x700		980x427x790		1018x412x840		950x412x1250	
Weight		kg	59		70		90		112	
• Part number 1~230V - 50 Hz			ESP061739		ESP061740		ESP061741			
• Part number 3~400V - 50 Hz							ESP061742		ESP061743	
Linking specifications between indoor and outdoor units										
Power supply 1~230V - 50Hz										
Power supply side			Indoor & Outdoor		Indoor & Outdoor		Indoor & Outdoor			
Power cable section		mm²	3x1.0 - 3x4.0		3x1.0 - 3x6.0		3x1.0 - 3x6.0			
Fuse rating am		A	6 - 25		6 - 32		6 - 40			
Electrical connections		mm²	2x0.75		2x0.75		2x0.75			
Power supply 3~400V - 50Hz										
Power supply side							Indoor & Outdoor		Indoor & Outdoor	
Power cable section		mm²					3x1.0 - 5x2.5		3x1.0 - 5x2.5	
Fuse rating am		A					6 - 16		6 - 20	
Electrical connections		mm²					2x0.75		2x0.75	
Pipe line										
Suction pipe diameter		inches	5/8"		5/8"		3/4"		3/4"	
Liquid pipe diameter		inches	3/8"		3/8"		1/2"		1/2"	
Max lenght		m	30		30		50		50	
Max height		m	15		15		30		30	

Cassettes **CN DC** INVERTER

Product benefits

- Innovative features with elegant design.
- Four motorized air distribution flaps.
- New air intake.
- Air distribution to an adjacent room.
- High efficiency filtration.
- Designed for integration in suspended ceilings.
- Simplified installation and maintenance.
- 6 selectable louver positions plus automatic and swing.
- 600 x 600 mm format / Built-in depth: 219 or 270 mm.
- Integrated condensate drainage lift pump.
- Optimal efficiency Class A energy label (CN DCI 9-12-18).
- Electronic regulation and programming.
- Compatible with DUO, TRIO, QUATTRO and CINCO DCI Multisplits.
- Up to 50 m pipe length between ind. and outdoor unit.
- Up to 25 m vertical high between ind. and outdoor unit.

* Wall mounted RCW2 remote control (Optional)



Indoor units CN 9-12-18-21-24 DCI



OU GC 9-12-18 DCI



OU VBD 22-24 DCI



RC7 Remote control



RCW2 Remote control (accessory)

Accessories

		CN 9 DCI	CN 12 DCI	CN 18 DCI	CN 21 DCI	CN 24 DCI
Outdoor wall mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	7ACTL0018	-
Remote control RCW2	• Part number	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212

5 DC Inverter models: from 2 500 to 7 300 W



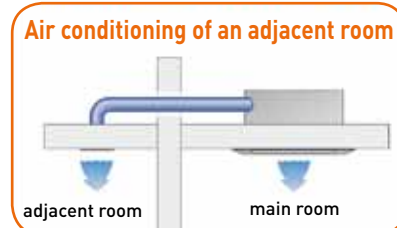
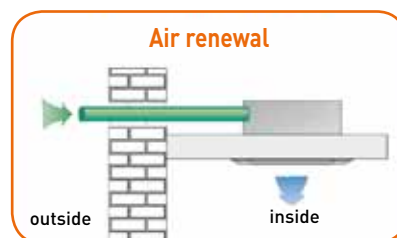
CN DC INVERTER SERIES		CN 9 DCI	CN 12 DCI	CN 18 DCI	CN 21 DCI	CN 24 DCI
Indoor Units		CN 9 DCI	CN 12 DCI	CN 18 DCI	CN 21 DCI	CN 24 DCI
Outdoor Units		AC DC 9 INV R410	AC DC 12 INV R410	ELAU-VBD018-H11	ELAU-VBD022-H11	ELAU-VBD024-H11
Cooling Capacity	kW	2.5 (1.5-3.6)	3.5 (1.7-4.3)	5 (1.5-5.8)	6 (1.8-6.6)	6.8 (1.5-8.0)
Input power	kW	0.59	0.96	1.51	1.9	2.41
EER/Energy Label		4.24/A	3.63/A	3.31/A	3.15/B	2.82/C
Outdoor temperature operating limits	°C	← -10°/46° Dry bulb →				
Heating Capacity	kW	3.2 (1.5-4.8)	4.2 (1.6-5.5)	5.6 (1.3-6.8)	6.6 (1.6-8.0)	7.3 (1.5-9.0)
Input power	kW	0.8	1.16	1.53	1.94	2.27
COP/Energy Label		4/A	3.64/A	3.66/A	3.4/B	3.22/C
Outdoor temperature operating limits	°C	← -15°/24° Dry bulb →				
Indoor unit						
Sound pressure level to 1 m	dB(A)	28/30/32	28/31/34	34/37/42	34/36/38	36/38/40
Sound power level	dB(A)	49	51	55	58	60
Airflow	m³/h	320/370/420	320/390/470	500/560/620	540/600/660	580/640/700
Dehumidification	l/h	0.7	1.5	2	2.3	3
Dimensions (WxDxH)	mm	575x575x219	575x575x219	575x575x270	575x575x270	575x575x270
Frame for grid ceiling (WxDxH)	mm	625x625x40	625x625x40	625x625x40	625x625x40	625x625x40
Frame for hard ceiling (WxDxH)	mm	725x725x40	725x725x40	725x725x40	725x725x40	725x725x40
Weight	kg	12.9	12.9	15.2	15.2	15.5
• Part number		ESP022401	ESP022402	ESP022403	ESP022404	ESP022405
• Part number Frame for grid ceiling		EACVF0003	EACVF0003	EACVF0003	EACVF0003	EACVF0003
• Part number Frame for hard ceiling		EACVF0004	EACVF0004	EACVF0004	EACVF0004	EACVF0004
Outdoor unit						
Sound pressure level to 1 m	dB(A)	51	52	53	56	56
Sound power level	dB(A)	61	62	63	66	69
Airflow	m³/h	1780	1780	2160	2860	3600
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	795x290x610	795x290x610	846x302x690	950x412x835
Weight	kg	38	38.5	38	45	64.5
• Part number		ESP061483	ESP061720	ESP061686	ESP061715	ESP061714
Linking specifications between indoor and outdoor units						
Power supply 1-230V - 50Hz						
Power supply side		Indoor	Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	16	16	20	20	25
Electrical connections	mm²	4x1.5	4x1.5	4x2.5	4x2.5	4x2.5
Pipe line						
Suction pipe diameter	inches	3/8"	3/8"	1/2"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"	3/8"
Max lenght	m	20	20	20	20	30
Max height	m	10	10	10	10	15

The panel is separated from unit and not delivered on the same box. CN DCI is delivered without panel.
For each order, decoration panel must be ordered according to the installation situation.

Cassettes **KAF**

Product benefits

- Auto mode/Cooling/Heating/Dehumidification
- Sleep mode (from remote control)
- ON/OFF Timer
- Auto swing/Vertical auto swing
- 4-dimension swing
- Intelligent Deicing
- Memory from power failure
- Cold air prevention in heating
- Self diagnostic (Error indications) for ease of maintenance
- Available in 1 or 3 phases (depend of models)
- Remote control RC08A
 - Low power battery indication
 - I FEEL function
- Wired Remote control (optional)
- Centralized Control and Week Timer (Optional)



Indoor units KAF 024-030-036-042



RC8A Remote control



OU VIF 024



OU VIF 030-036



OU VIF 042



4 Heat Pump models R410A: from 6 800 to 14 000 W



KAF SERIES		KAF 024		KAF 030		KAF 036		KAF 042	
Indoor Units		ELSI-KAF024-N11		ELSI-KAF030-N11		ELSI-KAF036-N11		ELSI-KAF042-N11	
Outdoor Units 1~230V - 50 Hz		ELAU-VIF024-H11		ELAU-VIF030-H11		ELAU-VIF036-H11			
Outdoor Units 3~400V - 50 Hz						ELAU-VIF036-H13		ELAU-VIF042-H13	
Cooling Capacity		kW	6.80	8.30		10.00		12.00	
Power input		kW	2.62	2.90		3.60		4.80	
EER/Energy Label			2.59/E	2.86/C		2.77/D		2.50/E	
Outdoor temperature operating limits °C						← 18°/ 43° Dry bulb →			
Heating Capacity		kW	7.50	8.80		11.00		14.00	
Input power		kW	2.50	3.15		3.30		5.00	
COP/Energy Label			3.00/D	2.79/E		3.33/C		2.80/D	
Outdoor temperature operating limits °C						← -7°/ 24° Dry bulb →			
Indoor unit									
Sound pressure level to 1 m		dB(A)	43/45/47	48/49/51		48/51/53		48/51/53	
Sound power level		dB(A)	53/55/57	58/59/61		58/61/63		58/61/63	
Airflow		m³/h	1000/1080/1180	1170/1270/1400		1500/1570/1660		1500/1570/1650	
Dehumidification		l/h	2.35	2.7		2.9		4.3	
Dimensions (WxDxH)		mm	840x840x260	840x840x260		840x840x320		840x840x320	
Weight		kg	30	27		38		38	
Frame Dimensions 900x900		mm	950x950x60	950x950x60		950x950x60		950x950x60	
Weight		kg	6.5	6.5		6.5		6.5	
• Part number		ESP042155		ESP042156		ESP042157		ESP042158	
• Part number Frame 900x900		EACVF0006		EACVF0006		EACVF0006		EACVF0006	
Outdoor unit									
Sound pressure level to 1 m		dB(A)	59	59		60		60	
Sound power level		dB(A)	69	69		70		70	
Airflow		m³/h	3200	4200		4000		6000	
Compressor type			Rotary	Rotary		Rotary		Scroll	
Dimensions (WxDxH)		mm	1018x412x700	980x427x790		1018x412x840		950x412x1250	
Weight		kg	59	70		90		112	
• Part number 1~230V - 50 Hz		ESP061739		ESP061740		ESP061741			
• Part number 3~400V - 50 Hz						ESP061742		ESP061743	
Linking specifications between indoor and outdoor units									
Power supply 1~230V - 50Hz									
Power supply side		Indoor & Outdoor		Indoor & Outdoor		Indoor & Outdoor			
Power cable section		mm²	3x1.0 - 3x4.0	3x1.0 - 3x6.0		3x1.0 - 3x6.0			
Fuse rating		A	6 - 25	6 - 32		6 - 40			
Electrical connections		mm²	2x0.75	2x0.75		2x0.75			
Power supply 3~400V - 50Hz									
Power supply side						Indoor & Outdoor		Indoor & Outdoor	
Power cable section		mm²				3x1.0 - 5x2.5		3x1.0 - 5x2.5	
Fuse rating		A				6 - 16		6 - 20	
Electrical connections		mm²				2x0.75		2x0.75	
Pipe line									
Suction pipe diameter		inches	5/8"	5/8"		3/4"		3/4"	
Liquid pipe diameter		inches	3/8"	3/8"		1/2"		1/2"	
Max lenght		m	30	30		50		50	
Max height		m	15	15		30		30	

Ducted LSN DC INVERTER

Product benefits

- Obvious solution to all installation constraints.
- Extreme low silhouette only: 200 mm.
- Integrated condensate drainage lift pump.
- Horizontal/Vertical installation builds in.
- Air distribution / air intake plenums available in accessory.
- Low noise levels in both indoors and outdoors.
- Dry contact output – Alarm.
- High COP “A-B” class energy rating.
- Electronic regulation and programming.
- Heating mode operation down to outdoor temperatures of -15° C.
- Compatible with DUO, TRIO, QUATTRO and CINCO DCI Multisplits.
- Up to 50 m pipe length between indoor and outdoor unit.
- Up to 30 m vertical high between indoor and outdoor unit.

* Wall mounted RCW2 remote control available in accessory.



Indoor unit LSN 24 DCI



RC7 Remote control



OU GC 9-12-18 DCI



OU VDB 21-24 DCI

Accessories

		LSN 9 DC INV	LSN 12 DC INV	LSN 18 DC INV	LSN 21 DC INV	LSN 24 DC INV
Outdoor wall mounting bracket	• Part number	7ACTL0016	7ACTL0016	7ACTL0016	-	-
	• Part number	-	-	-	-	-
Remote control RCW2	• Part number	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212
Air Outlet plenum	• Part number	7ACVF0516	7ACVF0516	7ACVF0516	-	-
Air Outlet plenum	• Part number	-	-	-	7ACVF0516	7ACVF0516

5 DC Inverter models: from 2 500 W to 7 450 W



LSN DCI INVERTER SERIES

Indoor Units

Outdoor Units

LSN 9 DCI

LSN 9 DCI

AC DC 9 INV R410

LSN 12 DCI

LSN 12 DCI

AC DC 12 INV R410

LSN 18 DCI

LSN 18 DCI

ELAU-VBD018-H11

LSN 21 DCI

LSN 21 DCI

ELAU-VBD022-H11

LSN 24 DCI

LSN 24 DCI

ELAU-VBD024-H11

Cooling Capacity

kW

2.5 (1.4-3.6)

3.5 (1.4-4.3)

5.0 (1.5-5.8)

6 (1.8-6.8)

7.0 (1.5-7.5)

Input power

kW

0.63

0.95

1.51

1.76

2.05

EER/Energy Label

4.0/A

3.67/A

3.31/A

3.41/A

3.4/A

Outdoor temperature operating limits

°C

← -10°/46° Dry bulb →

Heating Capacity

kW

3.4 (1.5-5.0)

4.3 (1.5-5.8)

5.6 (1.3-6.8)

6.6 (1.6-7.9)

7.45 (1.5-8.8)

Input power

kW

0.87

1.16

1.55

1.73

2.02

COP/Energy Label

3.90/A

3.62/A

3.61/A

3.82/A

3.68/A

Outdoor temperature operating limits

°C

← -15°/24° Dry bulb →

Indoor unit

Sound pressure level to 1 m (LS/MS/HS)

dB(A)

23/26/29

24/27/31

29/32/35

32/34/38

32/35/39

Sound power level (LS/MS/HS)

dB(A)

44/47/50

45/49/53

48/51/54

53/55/59

56/59/63

Airflow (LS/MS/HS)

m³/h

490/560/620

490/580/650

540/600/710

880/950/1100

900/950/1150

Dehumidification

l/h

0.5

1

1.5

1.7

2

Dimensions (WxDxH)

mm

860x630x245

860x630x245

750x200x630

750x200x630

1050x200x630

Weight

kg

20

20

21

25

25

• Part number

ESP022396

ESP022397

ESP022398

ESP022399

ESP022400

Outdoor unit

Sound pressure level to 1 m

dB(A)

51

52

53

56

56

Sound power level

dB(A)

61

62

63

66

69

Airflow

m³/h

1780

1780

2160

2860

3600

Compressor type

Rotary DC Inverter

Rotary DC Inverter

Rotary DC Inverter

Twin Rotary DC Inverter

Twin Rotary DC Inverter

Dimensions (WxDxH)

mm

795x290x610

795x290x610

795x290x610

846x302x690

950x412x835

Weight

kg

38

38.5

38

45

64.5

• Part number

ESP061483

ESP061720

ESP061686

ESP061715

ESP061714

Linking specifications between indoor and outdoor units

Power supply 1~230V - 50Hz

Power supply side

Indoor

Indoor

Indoor/Outdoor

Indoor/Outdoor

Outdoor

Power cable section

mm²

3x1.5

3x1.5

3x2.5

3x2.5

3x2.5

Fuse rating am

A

16

16

20

20

25

Electrical connections

mm²

4x1.5

4x1.5

4x2.5

4x2.5

4x2.5

Pipe line

Suction pipe diameter

inches

3/8"

3/8"

1/2"

1/2"

5/8"

Liquid pipe diameter

inches

1/4"

1/4"

1/4"

1/4"

3/8"

Max lenght

m

20

20

20

20

50

Max height

m

10

10

10

10

25

Ducted OAF

Product benefits

- Auto mode/Cooling/Heating/Dehumidification
- Sleep mode (from remote control)
- ON/OFF Timer
- Intelligent Deicing
- Memory from power failure
- Cold air prevention in heating
- Self diagnostic (Error indications) for ease of maintenance
- Available in 1 or 3 phases (depend of models)
- Remote control RC08A
 - Low power battery indication
 - I FEEL function
- Wired Remote control
- Centralized Control and Week Timer (Optional)



Indoor units OAF 009-012-018



Indoor units OAF 024-030-036-042-060



Indoor units OAF 068



Indoor units OAF 085



Indoor units OAF 102



Indoor units OAF 136



OU VIF 009-012-018

12 Heat Pump models R410A : from 2 600 to 42 000 W



OAF SERIES	OAF 009	OAF 012	OAF 018
Indoor Units	ELSI-OAF009-N11	ELSI-OAF012-N11	ELSI-OAF018-N11
Out. Units 1~230V - 50 Hz	ELAU-VIF009-H11	ELAU-VIF012-H11	ELAU-VIF018-H11
Out. Units 3~400V - 50 Hz			

Cooling Capacity	kW	2.60	3.50	5.00
Power input	kW	1.00	1.20	2.10
EER/Energy Label		2.60/D	2.91/C	2.38/F
Out. temperature operating limits	°C			

Heating Capacity	kW	2.85	3.60	5.70
Input power	kW	0.97	1.10	1.80
COP/Energy Label		2.93/D	3.27/C	3.16/D
Out. temperature operating limits	°C			

Indoor unit

Sound pres. level to 1 m (LS/MS/HS) dB(A)	34/36/37	36/38/40	38/40/42
Sound power level (LS/MS/HS) dB(A)	44/46/47	46/48/50	48/50/52
Airflow (LS/MS/HS) m³/h	400/470/550	490/540/600	680/750/840
Dehumidification l/h	1	1.3	1.9
Dimensions (WxDxH) mm	913x680x220	913x680x220	1012x736x266
Weight kg	27	27	36

• Part number	ESP032007	ESP032008	ESP032009
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Outdoor unit

Sound pressure level to 1 m dB(A)	55	56	56
Sound power level dB(A)	65	66	66
Airflow m³/h	2800	2800	2800
Compressor type	Rotary	Rotary	Rotary
Dimensions (WxDxH) mm	848x320x540	848x320x540	848x320x540
Weight kg	32	32	40

• Part number 1~230V - 50Hz	ESP061736	ESP061737	ESP061738
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• Part number 3~400V - 50Hz			
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Linking specifications between indoor and outdoor units

Power supply 1~230V - 50Hz

Power supply side	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section mm²	3x1.0 - 3x1.5	3x1.0 - 3x1.5	3x1.0 - 3x2.5
Fuse rating A	6 - 10	6 - 16	6 - 20
Electrical connections mm²	2x0.75	2x0.75	2x0.75

Power supply 3~400V - 50Hz

Power supply side	
Power cable section mm²	
Fuse rating A	
Electrical connections mm²	

Pipe line

Suction pipe diameter inches	3/8"	1/2"	1/2"
Liquid pipe diameter inches	1/4"	1/4"	1/4"
Max lenght m	20	20	20
Max height m	15	15	15



OU VIF 024



OU VIF 030-036



OU VIF 042-060

OAF 024	OAF 030	OAF 036	OAF 042	OAF 060	OAF 068	OAF 085	OAF 102	OAF 136
ELSI-OAF024-N11	ELSI-OAF030-N11	ELSI-OAF036-N11	ELSI-OAF042-N11	ELSI-OAF060-N11	ELSI-OAF068-N11	ELSI-OAF085-N11	ELSI-OAF102-N11	ELSI-OAF136-N11
ELAU-VIF024-H11	ELAU-VIF030-H11	ELAU-VIF036-H11	ELAU-VIF042-H13	ELAU-VIF060-H13	ELAU-VIF068-H13	ELAU-VIF085-H13	ELAU-VIF102-H13	ELAU-VIF136-H13

7.00	8.30	10.00	12.00	16.00	20.00	24.50	30.00	39.50
2.66	3.00	4.00	5.30	6.50	8.40	9.80	11.00	15.80
2.63/D	2.76/D	2.50/E	2.26/F	2.46/E	2.38/F	2.50/E	2.73/D	2.50/E
← 18°/43° Dry bulb →						-15°/43° DB	18°/43° DB	-15°/43° DB

8.00	9.10	11.00	14.00	18.50	22.00	27.50	33.00	42.00
2.51	3.00	3.50	4.90	5.50	7.40	9.00	9.00	14.00
3.18/D	3.03/D	3.14/D	2.85/D	3.36/C	2.97/D	3.05/D	3.67/A	3.00/D
← -7°/24° Dry bulb →								

40/42/44	40/42/44	46/48/50	46/48/50	48/50/53	56	54	57	58
50/52/54	50/52/54	56/58/60	56/58/60	58/60/63	66	64	67	68
1220/1350/1400	1200/1320/1400	1380/1650/2000	1380/1650/2000	1800/2100/2500	4000	4800	5500	7000
2.4	2.5	2.9	4.3	4.7	5.4	7.5	9	12
1270x504x268	1270x530x268	1251x744x290	1251x744x290	1251x788x330	1463x799x389	1500x1000x500	1500x1000x500	1700x1100x650
37	37	57	57	66	86	150	156	215

ESP032010	ESP032011	ESP032012	ESP032013	ESP032014	ESP032021	ESP032022	ESP032023	ESP032024
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59	59	60	60	64	65	66	67	69
69	69	70	70	74	75	76	77	79
3200	4200	4000	6000	6000	8000	8000	11000	13000
Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
1018x412x700	980x427x790	1018x412x840	950x412x1250	950x412x1250	1150x460x1350	1150x460x1600	990x880x1772	1290x880x1772
59	70	90	112	123	158	185	216	285

ESP061739	ESP061740	ESP061741	ESP061742	ESP061743	ESP061744	ESP061747	ESP061748	ESP061749	ESP061750
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Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
3x1.0 - 3x4.0	3x1.0 - 3x6.0	3x1.5 - 3x6.0
6 - 25	6 - 32	10 - 40
2x0.75	2x0.75	2x0.75

Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
3x1.5 - 5x2.5	3x1.5 - 5x2.5	3x1.5 - 5x2.5	5x1.0 - 5x4.0	3x1.0 - 5x6.0	3x1.0 - 5x10.0	5x1.5 - 5x10.0	
10-16	10 - 20	10 - 20	10 - 25	10 - 32	10 - 40	10 - 40	
2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	

5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	1"	1-1/8"	1-1/8"
3/8"	3/8"	1/2"	1/2"	1/2"	3/8"	3/8"	1/2"	5/8"
30	30	50	50	50	30	30	30	30
15	15	30	30	30	50	50	50	50

Multisplits

VAZ2-VAZ3

VAZ4 DC

INVERTER

Product benefits

- Outdoor units compatible with DC Inverter indoor units.
- R410A «green» fluid.
- DC Inverter Twin Rotary compressor (depending on models).
- Compact outdoor units.
- Class A energy label.
- Heating mode operation down to outdoor temperatures of -15 °C.
- Set temperature point reached rapidly.
- Silent running.
- Up to 70m pipe lengths.



VAZ2 18



VAZ3 18/24 - VAZ4 30

Compatibilities



LEXA DCI indoor units

		LEXA 9 DCI	LEXA 12 DCI	LEXA 18 DCI
Cooling Capacity	kW	2.5 (1.4-3.6)	3.5 (1.4-4.3)	5 (1.5-6)
Heating Capacity	kW	3.4 (1.5-5)	4.3 (1.5-5.8)	6 (1.5-7.6)
Air flow	m³/h	330/430/530	350/450/550	550/700/850
Sound pressure level to 1 m	dB(A)	26/30/39	26/32/40	34/39/43
Weight	kg	11.5	11.5	15
Dimensions (WxDxH)	mm	810x210x285	810x210x285	1060x210x295
• Part number		ESP022464	ESP022465	ESP022466



CN DCI indoor units

		CN 9 DCI	CN 12 DCI	CN 18 DCI
Cooling Capacity	kW	2.5 (1.5-3.6)	3.5 (1.7-4.3)	5 (1.3-6.0)
Heating Capacity	kW	3.2 (1.5-4.8)	4.2 (1.6-5.5)	5.6 (1.3-7.0)
Air flow	m³/h	440/460	490/420	700/700
Sound pressure level to 1 m	dB(A)	26/29/32	28/31/34	30/33/36
Weight	kg	12.9	12.9	15.2
Dimensions (WxDxH)	mm	575x575x219	575x575x219	575x575x270
• Part number		ESP022401	ESP022402	ESP022403



PXD DCI indoor units

		PXD 9 DCI	PXD 12 DCI	PXD 18 DCI
Cooling Capacity	kW	2.5	3.5	5
Heating Capacity	kW	3.2	4.2	5.8
Air flow	m³/h	300/350/400	300/400/450	600/750/870
Sound pressure level to 1 m	dB(A)	35/37/39	38/41/45	45/48/51
Weight	kg	21	22	30
Dimensions (WxDxH)	mm	820x190x630	820x190x630	1200x192x630
• Part number		ESP012133	ESP012134	ESP012135



LSN DCI indoor units

		LSN 9 DCI	LSN 12 DCI	LSN 18 DCI
Cooling Capacity	kW	2.5	3.5	5
Heating Capacity	kW	3.4	4.3	6.1
Air flow	m³/h	420/490/560	45/49/53	540/650/750
Sound pressure level to 1 m	dB(A)	44/47/50	20	48/51/54
Weight	kg	20	20	20
Dimensions (WxDxH)	mm	820x245x630	860x245x630	860x245x630
• Part number		ESP022396	ESP022397	ESP022398

4 DC Inverter models: from 5 000 to 9 800 W



VAZ2/VAZ3/VAZ4 SERIES		VAZ2 18	VAZ3 18	VAZ3 24	VAZ4 30
Outdoor Units		ELAU-VAZ218-H11	ELAU-VAZ318-H11	ELAU-VAZ324-H11	ELAU-VAZ430-H11
Cooling Capacity	kW	5 (1.2-6.4)	5.20 (1.0-6.5)	7.35 (1.3-9)	8 (1.4-9.2)
Input power	kW	1.47	1.46	2.24	2.38
EER/Energy Label		3.4/A	3.56/A	3.28/A	3.36/A
Outdoor temperature operating limits	°C	← -10°/46° Dry bulb →			
Heating Capacity	kW	6.0 (1.0-6.8)	6.6 (1.0-8.15)	9.2 (0.95-11)	9.8 (0.95-11)
Capacity at -15°C	kW	3.7	4.07	5.4	5.7
Input power	kW	1.66	1.71	2.31	2.36
COP/Energy Label		3.61/A	3.85/A	3.98/A	4.15/A
Outdoor temperature operating limits	°C	← -15°/24° Dry bulb →			
Outdoor unit					
Sound pressure level to 1 m	dB(A)	53	56	57	57
Sound power level	dB(A)	63	67	69	69
Airflow	m³/h	2160	2860	3600	3600
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	795x290x610	846x302x690	950x413x864	950x413x864
Weight	kg	39	48	69	70
• Part number		ESP091132	ESP091153	ESP091133	ESP091134

Linking specifications between indoor and outdoor units

Power supply 1~230V - 50Hz

Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x2.5
Fuse rating am	A	20	20	25	25
Electrical connections	mm²	2x(4x1.5)	3x(4x1.5)	3x(4x1.5)	4x(4x1.5)

Pipe line

Suction pipe diameter	inches	2x3/8"	3x3/8"	2x3/8" + 1x1/2"	3x3/8" + 1x1/2"
Liquid pipe diameter	inches	2x1/4"	3x1/4"	3x1/4"	4x1/4"
Max lenght	m	30	30	50	70
Max lenght per circuit	m	25	25	25	25
Max height between indoor and outdoor units	m	10	15	15	15
Max height between indoor units	m	5	5	15	15

Multisplits **VAZ5 DC**

INVERTER

Product benefits

- Variable cooling and heating capacity from 30% to 115% (of rated capacity).
- DC-BL (DC Brush-Less) Compressor and outdoor Fan motors.
- Pre-charged system up to 30m.
- Tubing up to 80m total length, up to 25m each unit.
- Internal crank case heater combined with compressor motor windings.
- Ready for base heater and additional crank case heater installation including software support.
- Easy installation of outdoor unit tubing and electrical.
- Monitoring software (PC port for high level service).
- Operating range Cooling: From -10° to 46°C outdoors.
- Operating range Heating: From -15° to 24°C outdoors.



VAZ5 36

Compatibilities

			LEXA 9 DCI	LEXA 12 DCI	LEXA 18 DCI
			2.5 (1.4-3.6)	3.5 (1.4-4.3)	5 (1.5-6)
 LEXA DCI indoor units	Cooling Capacity	kW	2.5 (1.4-3.6)	3.5 (1.4-4.3)	5 (1.5-6)
	Heating Capacity	kW	3.4 (1.5-5)	4.3 (1.5-5.8)	6 (1.5-7.6)
	Air flow	m³/h	330/430/530	350/450/550	550/700/850
	Sound pressure level to 1 m	dB(A)	26/30/39	26/32/40	34/39/43
	Weight	kg	11.5	11.5	15
	Dimensions (WxDxH)	mm	810x210x285	810x210x285	1060x210x295
	• Part number		ESP022464	ESP022465	ESP022466
 CN DCI indoor units			CN 9 DCI	CN 12 DCI	CN 18 DCI
			2.5 (1.5-3.6)	3.5 (1.7-4.3)	5 (1.3-6.0)
	Cooling Capacity	kW	2.5 (1.5-3.6)	3.5 (1.7-4.3)	5 (1.3-6.0)
	Heating Capacity	kW	3.2 (1.5-4.8)	4.2 (1.6-5.5)	5.6 (1.3-7.0)
	Air flow	m³/h	440/460	490/420	700/700
	Sound pressure level to 1 m	dB(A)	26/29/32	28/31/34	30/33/36
	Weight	kg	12.9	12.9	15.2
 PXD DCI indoor units			PXD 9 DCI	PXD 12 DCI	PXD 18 DCI
			2.5	3.5	5
	Cooling Capacity	kW	2.5	3.5	5
	Heating Capacity	kW	3.2	4.2	5.8
	Air flow	m³/h	300/350/400	300/400/450	600/750/870
	Sound pressure level to 1 m	dB(A)	35/37/39	38/41/45	45/48/51
	Weight	kg	21	22	30
 LSN DCI indoor units			LSN 9 DCI	LSN 12 DCI	LSN 18 DCI
			2.5	3.5	5
	Cooling Capacity	kW	2.5	3.5	5
	Heating Capacity	kW	3.4	4.3	6.1
	Air flow	m³/h	420/490/560	45/49/53	540/650/750
	Sound pressure level to 1 m	dB(A)	44/47/50	20	48/51/54
	Weight	kg	20	20	20
			LSN 9 DCI	LSN 12 DCI	LSN 18 DCI
			2.5	3.5	5
	Cooling Capacity	kW	2.5	3.5	5
	Heating Capacity	kW	3.4	4.3	6.1
	Air flow	m³/h	420/490/560	45/49/53	540/650/750
	Sound pressure level to 1 m	dB(A)	44/47/50	20	48/51/54
	Weight	kg	20	20	20
	Dimensions (WxDxH)	mm	820x245x630	860x245x630	860x245x630
	• Part number		ESP022396	ESP022397	ESP022398



1 DC Inverter models: 11 000 W



VAZ5 SERIE

VAZ5 36

Cooling Capacity	kW	10.0 (4.3-11.0)
Input power	kW	2.94
EER/Energy Label		3.4/A
Outdoor temperature operating limits	°C	-10°/46° Dry bulb

Heating Capacity	kW	11.0 (2.0-12.0)
Capacity at -15°C	kW	
Input power	kW	4.3
COP/Energy Label		4.0/A
Outdoor temperature operating limits	°C	-15°/24° Dry bulb

Outdoor unit

Sound pressure level to 1 m	dB(A)	58/59
Sound power level	dB(A)	68/70
Airflow	m³/h	4150
Compressor type		Twin Rotary DC Inverter
Dimensions (WxDxH)	mm	970x340x900
Weight	kg	81.5

• **Part number** **ESP091135**

Linking specifications between indoor and outdoor units

Power supply 1~230V - 50Hz

Power supply side		Outdoor
Power cable section	mm²	3x4
Fuse rating am	A	25
Electrical connections	mm²	5x(4x1.5)

Pipe line

Suction pipe diameter	inches	3x3/8" + 2x1/2"
Liquid pipe diameter	inches	5x1/4"
Max lenght	m	80
Max lenght per circuit	m	25
Max height between indoor and outdoor units	m	15
Max height between indoor units	m	15

Floor Standing RSF

Product benefits

- Auto mode
- Cooling
- Heating
- Dehumidification
- Sleep mode
- ON/OFF Timer (Active clock)
- Clock display
- Vertical auto swing(any position stop)
- Horizontal auto swing
- Intelligent Deicing
- Memory from power failure
- Cold air prevention in heating
- Self diagnosis (Error indications)
- LED Display
- Electrical heater 2.5 kW



OU VFF 045 RC



RSF 045 RC

1 Heat Pump model R410A: 13 600 W



RSF SERIES

Indoor units

Outdoor units

RSF 45 RC

ELSI-RSF045-N11

ELAU-VFF045-H13

Capacity	kW	12.4
Input power	kW	4.94
EER/Energy Label		2.51
Outdoor temperature operating limits	°C	18/43°C Dry Bulb

Capacity	kW	13.6
Dehumidification	l/h	6
Input power	kW	4.84
COP/Energy Label		2.81
Outdoor temperature operating limits	°C	-7/24°C Dry Bulb

Indoor unit

Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	46/48/50/52
Sound power level (LS/MS/HS/SS)	dB(A)	56/58/60/62
Airflow (LS/MS/HS/SS)	m³/h	1350/1500/1650/1800
Dimensions (WxDxH)	mm	518x395x1870
Weight	kg	63

• **Part number** **ESP011007**

Outdoor unit

Sound pressure level to 1 m	dB(A)	59
Sound power level	dB(A)	69
Airflow	m³/h	4000
Compressor type		Scroll
Dimensions (WxDxH)	mm	1032x412x1250
Weight	kg	110

• **Part number** **ESP061752**

Linking specifications between indoor and outdoor units

Power supply side		Outdoor
Power cable section	mm²	5x2.5
Fuse rating am	A	25
Electrical connections	mm²	3x1.0 + 5x1.0 + 4x1.0

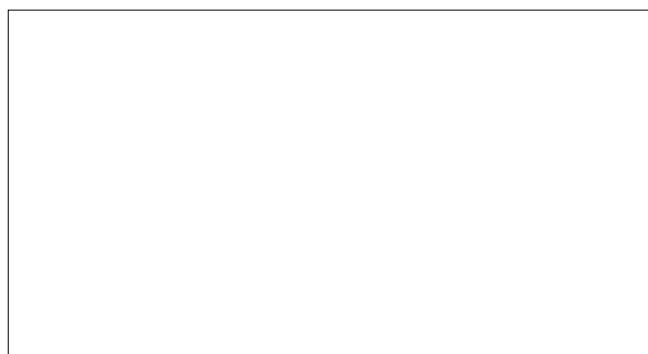
Pipe line

Suction pipe diameter	inches	3/4"
Liquid pipe diameter	inches	1/2"
Max lenght	m	10
Max height	m	5

Notes

[illegible]





Y o u r a p p r o v e d d i s t r i b u t o r

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