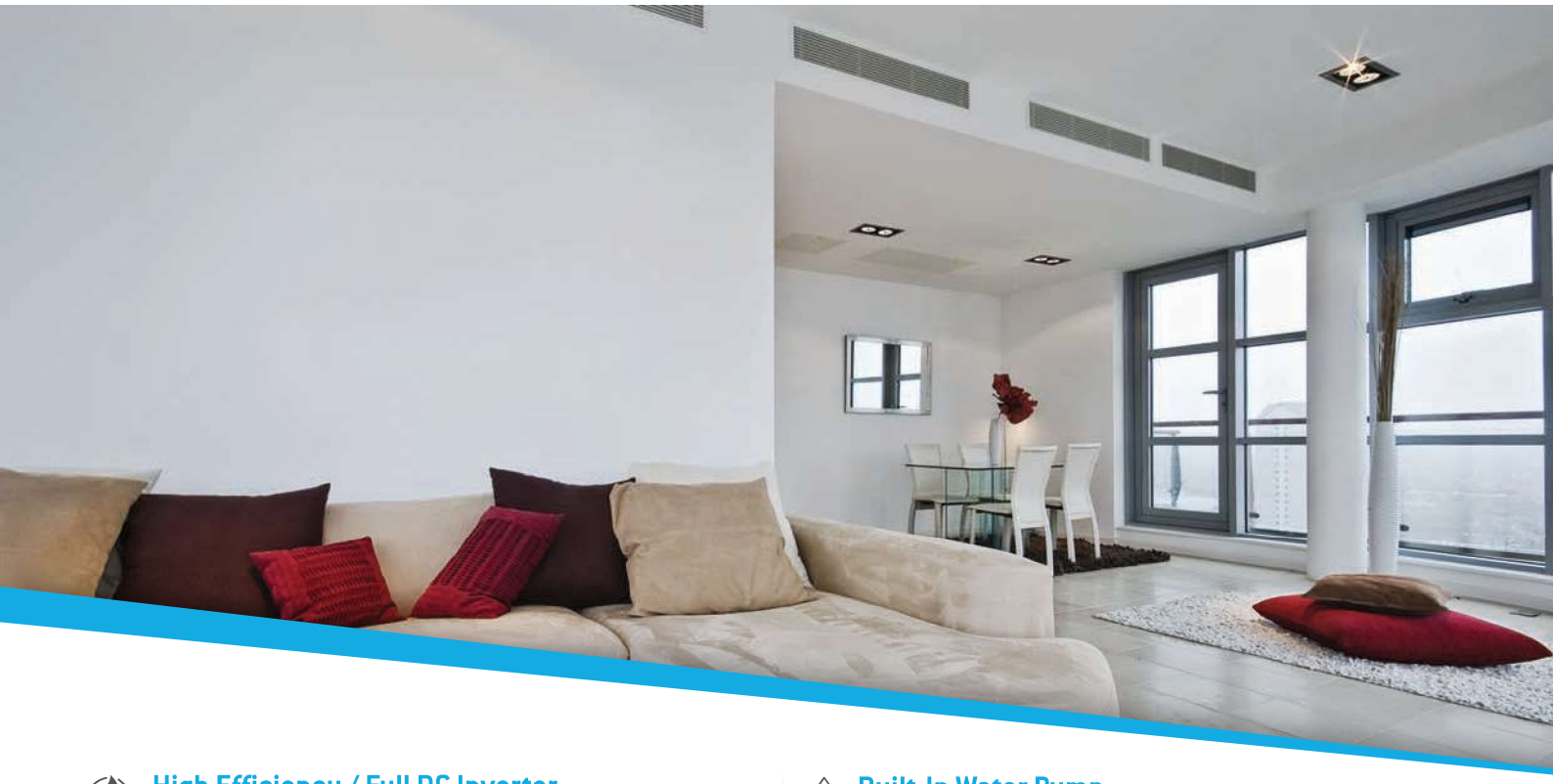
ROLLS
Light Commercial

MEDIUM DUCT TYPE

Air Conditioning systems and solutions suitable for every business environment offering High Performance, Superior Efficiency and Low Consumption. Cassettes with A++ energy class in cooling, all DC inverter. Excellent Performance in cooling and heating, even for the most demanding conditions.



High Efficiency / Full DC Inverter

Utilizing a high-efficiency DC Inverter compressor, an adjustable fan motor, and an advanced 180° sine wave vector driver, the system can be higher than 6.1 in SEER and 4.0 in SCOP meeting the new European energy efficiency standards.

Wide Operation Range

Providing superior comfort all year round, the unit operates perfectly between 52°C in hot summer and -15°C in cold winter with advanced system design and strict matching test (cooling in -15°C).

Silent Operation

The technologically innovative 3D spiral wind leaf increases air volume and in combination with the newest DC Motors makes the air supply quieter and smoother.

Fresh Air Intake

Fresh air promotes hygiene, comfort, and productivity among employees. The reserved fresh air intake hole allows 10% of fresh air intake for the indoor unit.

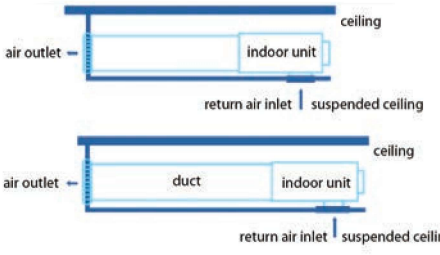
Auto Restart Function

The unit can automatically memorize the setting it is operating on in the case of an unintentional power cut. It will return to the previous setting when power resumes.

Built-In Water Pump

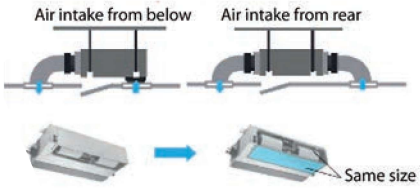
The built-in water pump can lift condensing water up to 700mm high from the drainage pan.

Wide Static Pressure Range (ESP) 0-160Pa



Flexible Installation

Air intake from the rear as standard, from the bottom is an option. The size of the plate from the bottom is the same as the flange from the back, this, in turn, makes it easier to change installation style according to the decoration requirements of each space.



R32 Refrigerant | Wi-Fi Control | Hydrophilic aluminium fin | Washable Filter | Intelligent Defrosting | Long Distance Air Supply | Wired Control



Intergaz
Energy Solutions
www.intergazenergy.com

Technical Specifications

Sale Model	Indoor		IES/IN-12DLCAC/EU	IES/IN-18DLCAC/EU	IES/IN-24DLCAC/EU	IES/IN-36DLCAC/EU
	Outdoor		IES/OUT-12LCAC/EU	IES/OUT-18LCAC/EU	IES/OUT-24LCAC/EU	IES/OUT-36LCAC/EU
Capacity	Cooling	Btu/h	12280(5835-13135)	18000(5200-19100)	24000(7400-28000)	36000(9800-44300)
	Heating	Btu/h	13650(6480-13375)	19100(4800-21200)	27300 (6800-31700)	38900 (8800-46000)
Performance	Energy Efficiency Class ERP		A++ / A+ / +++	A++ / A+ / +++	A++ / A+ / +++	A++ / A+ / +++
	SEER/SCOP	W/W	6.15 / 4.03	6.2 / 4.0	6.1 / 4.0	6.1 / 4.1
Electric Data Indoor Unit	Power Supply Indoor Unit	V,Hz,Ph	~220-240/50/1	~220-240/50/1	~220-240/50/1	~220-240/50/1
	Power Supply Outdoor Unit	V,Hz,Ph	~220-240/50/1	~220-240/50/1	~220-240/50/1	~220-240/50/1
	Rated Cooling Power Input	KW	1.240 (0.198-2.100)	1.55 (0.47-2.30)	2.12(0.67-3.56)	3.4(0.71-4.71)
	Rated Heating Power Input	KW	1.150 (0.198-2.100)	1.49 (0.46-2.25)	2.12(0.65-3.62)	3.45(0.47-4.13)
	Rated Cooling / Max Current	A	5.4/10	7.1/12	9.5/16	15/23.5
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m^3/h	600/450/380	1150/960/840	1400/1190/980	1900/1600/1400
	Noise Level (Hi/Mi/Lo)	dB(A)	37/33/30	43/41/40	44/41/39	44/41/39
	Net Dimension (W*H*D)	mm	700x470x200	1000x700x245	1000x700x245	1400x700x245
	Net Weight	Kg	18.5	31	32	42
	ESP	Pa	10/30	0-160	0-160	0-160
Outdoor Unit	Noise Level	dB(A)	54	55	58	58
	Net Dimension(WxDxH)	mm	800x315x545	800x315x545	900x350x700	970x395x805
	Net Weight	kg	37	37	51	72
DC Inverter Compressor	Model		KSN108D22UFZ	KSM135D23UFZ	KTM240D57UKP	KTF310D43UMT
	Type		ROTARY	ROTARY	ROTARY	ROTOR
	Brand		GMCC	GMCC	GMCC	GMCC
Refrigerant & Piping	Refrigerant Type		R32	R32	R32	R32
	Pipe Liquid Side	mm	6.35(1/4")	6.35(1/4")	9.52(3/8")	9.52(3/8")
	Pipe Gas Side	mm	9.52(3/8")	12.7(1/2")	15.88(5/8")	15.88(5/8")
	Max. Length	m	25	30	50	65
	Max. Height	m	10	20	25	30
Wiring	Power Wiring (IDU)	mm				
	Power Wiring (ODU)	mm	3x2.5	3x2.5	3x2.5	3x4.0
	Connection Wiring (IDU & ODU)	mm	3x1.5	3x1.5	3x1.5	3x1.5
	Signal Wiring (IDU & ODU)	mm	2x0.75	2x0.75	2x0.75	2x0.75
General	Built-In Water Pump		YES	YES	YES	YES
	Wi-Fi		YES	YES	YES	YES