



LG
2024

AR CONDICIONADO COMERCIAL

 **Megaclima**

— Desde 1993 —

4 Way air flow with new dual vane design

Innovative dual vane designs each of the best airflow over various spaces.



New types of wind solutions

Indirect Wind



Direct Wind



6 Air flow modes



Power Mode
Fast and Quick



Up / Down Swing
Fresh and Natural



Smart Mode
Auto Vane Control



Indirect Wind
Indirect
cooling & Heating



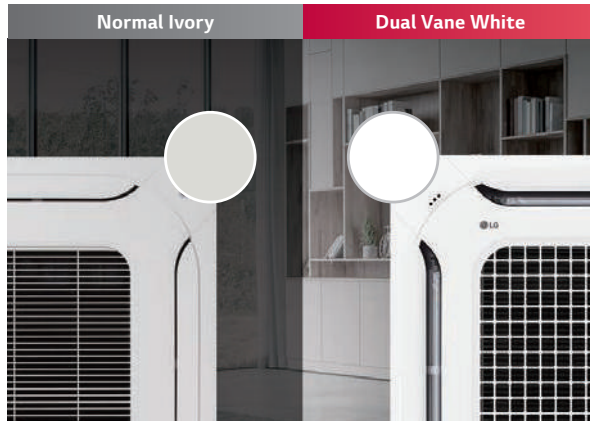
Direct Wind
Suitable
for High Ceiling



Refresh Mode
Provide high
concentration

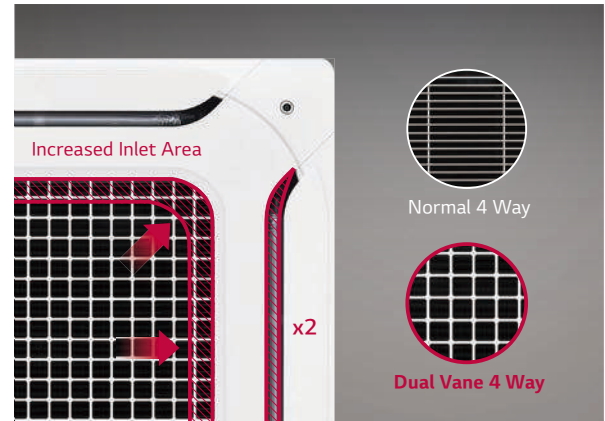
Brighter Color

Color enhancement allows cassette to blend in to most interior ceiling spaces.



Wide Design

Bigger inlet and outlet make faster cooling / heating airflow.



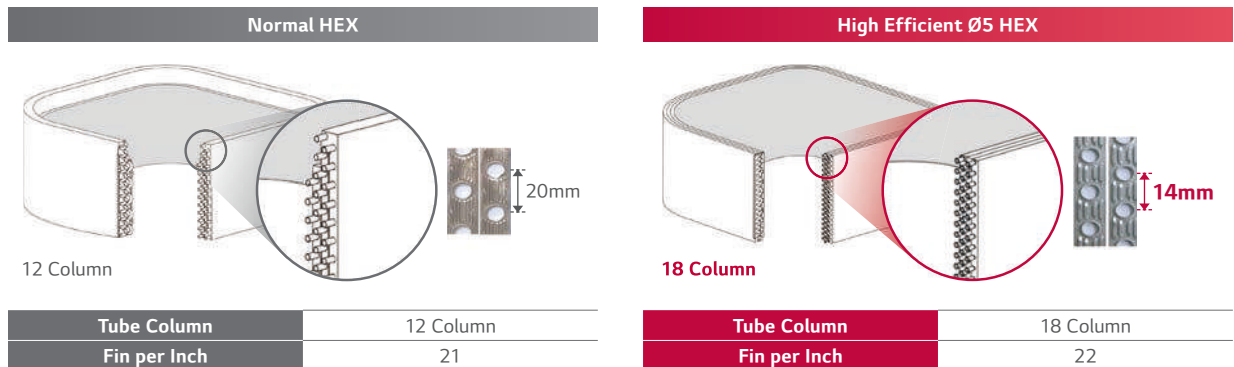
Full 3D Turbo Fan

Full 3D Turbo fan decreases air resistance, so it creates high efficiency and reduces noise level.



High Efficiency Heat Exchanger (HEX)

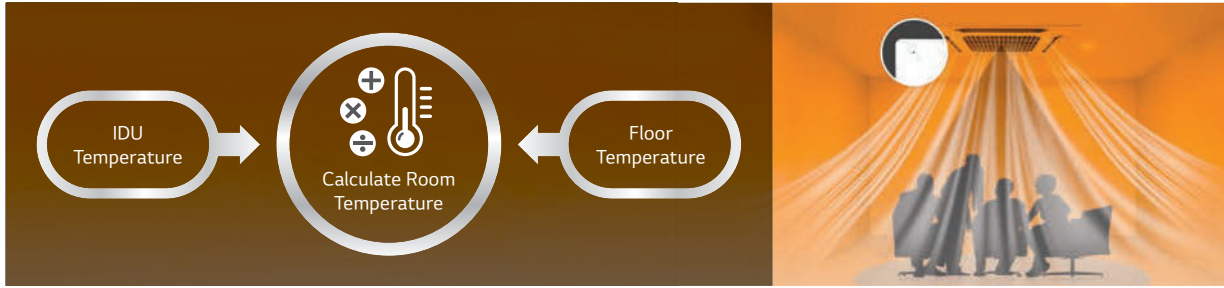
Highly integrated heat exchanger is applied to increase cooling and heating efficiency.



※ This specification can be different as per each model.

Sensor reads temperature from ceiling to floor for heating

IDU provides the human oriented room temperature with sensing floor And calculating by floor and ceiling temperature by thermopile sensor.



※ Available only for products with floor temperature sensor.

Human detecting Direct / Indirect airflow

Human sensing function finds users to provide their favorite airflow.

Comfort Indirect

Prevent airflow to heading to user by sensing.



Follow user Direct

Prefer air flow to heading to user by sensing.



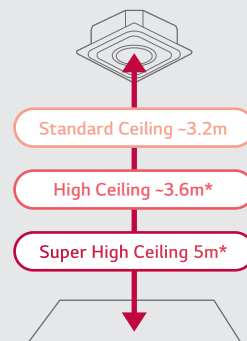
Direct Wind

Warm wind can reach up to 5m with plenty air volume. (@ 0.5ms)



Dual Vane 4Way Cassette must set a Super High Ceiling Mode.

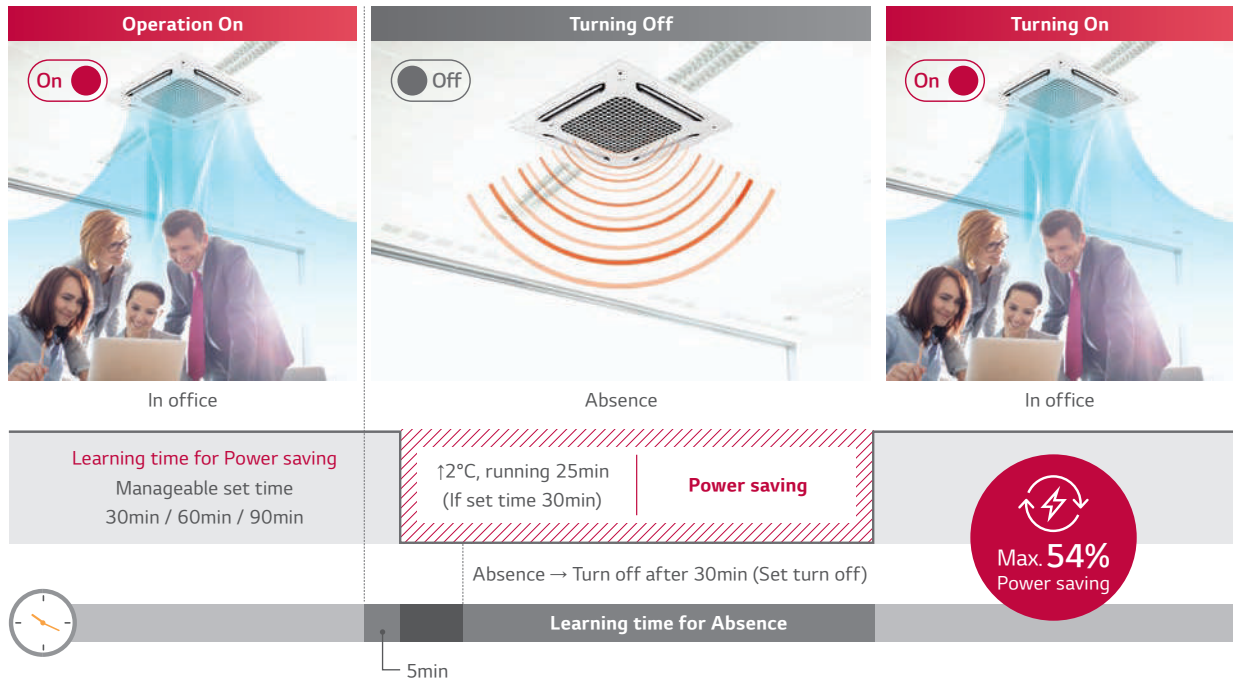
Recommended direct wind reach



* Settings are required in installer mode.

Human detecting On / Off Learning operation system

IDU senses people to switch On / Off for Max. 54% power saving.



※ Smart Dual Vane Indoor Unit '19 Line up.

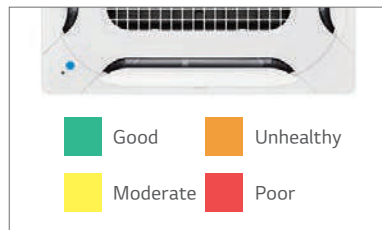
※ Data Based on actual test of LG, single product 2 hours measurement result. (Cooling 26 °C, strong wind)

Various Display of Air Purification

Installed Wi-Fi leads unlimited boundary to control IDU and display Air Purification status.

Smart indicator

Shows quality of Indoor air in real time



Remote controller

Display Air status and Fine Dust Concentration



Mobile

Whenever & Wherever
Check and Control Air status



Pairing LG ThinQ

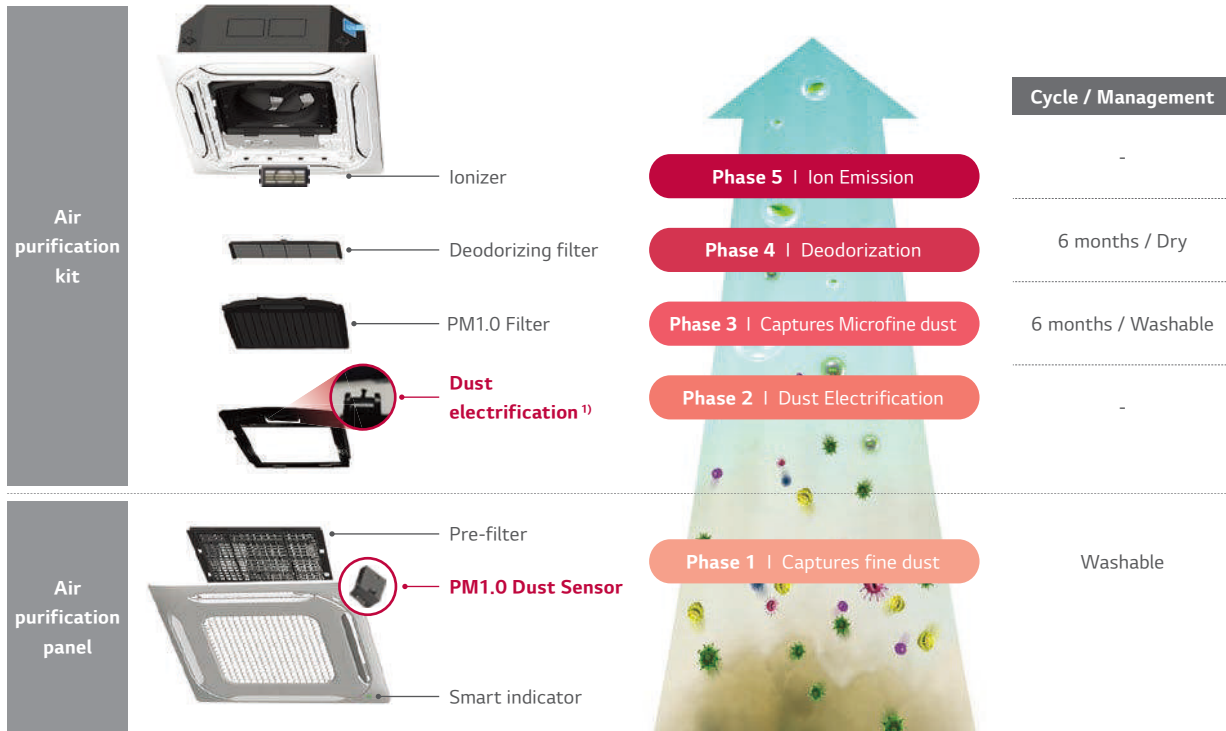
Anywhere! Anytime! Can connect to IDU with LG ThinQ

- Monitoring Air status : Easy to check indoor air status
 - Microfine dust / Ultra fine dust / Fine dust
 - Day / Week / Month / Yearly
- Mobile Remote Control : Remote control by using mobile phone
 - Control Mode / Temperature / Air flow etc.
- Display Power Consumption : Check power consumption of A/C
 - Check energy display
 - Set target energy consumption level



Convenient and Powerful Air purification

Easy to manage air purifying system with one-touch air cleaning filter.



1) Electrical diffusion makes dust electrification.

CAC certification?

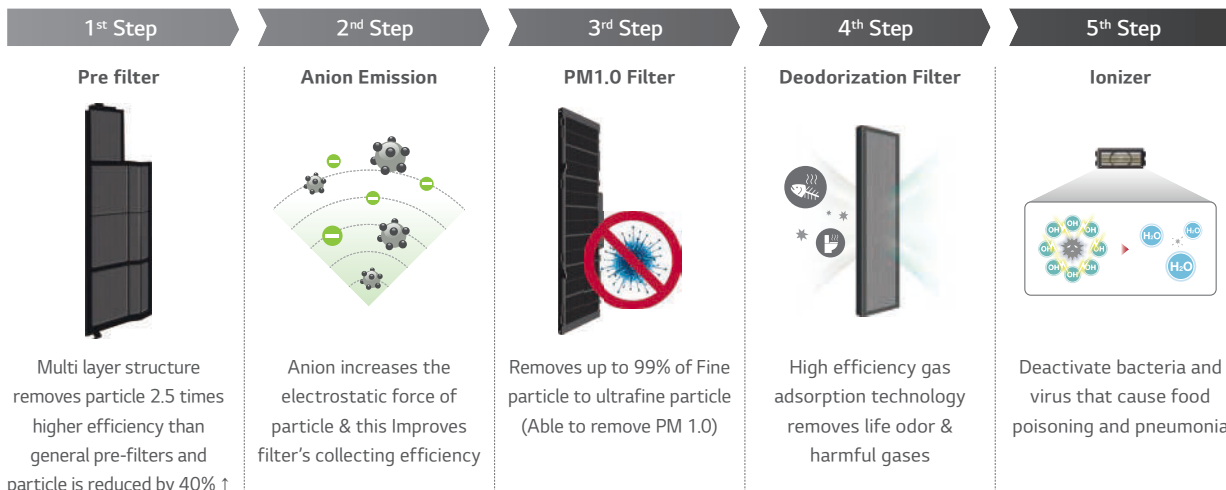
The Korea Air Cleaning Association strictly tests the air cleaning function of air conditioner products and provide certification to the product that give credibility to consumers.



The Korea Air Cleaning Association

Air Purification Technology

5-Steps air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living environment



CEILING MOUNTED CASSETTE

STANDARD INVERTER (R32)**CT24F / UT30F**

LG participates in the ECP programme for EUROVENT AC program.
Check ongoing validity of certification
: www.eurovent-certification.com

UUC1 U40

COMBINATION				24	30
Capacity	Cooling	Min. / Rated / Max.	kW	2.7 / 6.8 / 8.0	3.2 / 8.0 / 9.2
	Heating	Min. / Rated / Max.	kW	3.0 / 7.5 / 9.0	3.6 / 8.9 / 10.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.40 / 1.93 / 2.66	0.50 / 2.45 / 3.14
	Heating	Min. / Rated / Max.	kW	0.40 / 1.96 / 2.84	0.50 / 2.62 / 3.25
Running Current	Cooling	Rated	A	8.6	10.9
	Heating	Rated	A	8.7	11.6
EER / COP			kWh/kWh	3.52 / 3.83	3.27 / 3.40
SEER / SCOP			kWh/kWh	7.4 / 4.3	7.1 / 4.3
Pdesign	Cooling @ 35°C		kW	6.8	8
	Heating @ -10°C		kW	5.6	5.6
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	322 / 1,823	394 / 1,823
Dehumidification Rate			l/h	2.8	2.8
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	68
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 50	-20 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18
INDOOR				CT24F NBO	UT30F NBO
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	36 / 26 / 21	40 / 33 / 26
Air Flow Rate		H / M / L	m³/min	18 / 15.5 / 14	19 / 17 / 15.5
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 204 x 840
Weight	Body		kg	21.1	21.1
Sound Pressure Level	Cooling	H / M / L	dB(A)	38 / 36 / 34	40 / 37 / 35
Sound Power Level	Cooling	Max.	dB(A)	53	57
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel*	Model Name		-	PT-AAGW0	PT-AAGW0
	Color		-	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1
OUTDOOR				UUC1 U40	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
Circuit Breaker		Min.	A	25	
Power Supply Cable (Included Earth)			No x mm³	3C x 2.5	
Dimensions	Net	W x H x D	mm	950 x 834 x 330	
Weight	Net		kg	57.7	
Compressor	Type		-	Twin Rotary	
Refrigerant	Type		-	R32	
	GWP (Global Warming Potential)		-	675	
	Precharged Amount		kg	1.9	
	t-CO ₂ eq		-	1.283	
	Additional Charge (After 7.5m)		g/m	40	
Fan	Air Flow Rate	Rated	m³/min x No.	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 50	
Piping Elevation		IDU - ODU	Max.	30	

* Decoration panel can be selected as an optional accessory.

Note :

- Due to our policy of innovation some specifications may be changed without notification.
- Performances are based on the following conditions (It is accordance with EN14511)
 - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
 - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- This product contains fluorinated greenhouse gases. (R32)

STANDARD INVERTER (R32)

UT36F / UT42F / UT48F / UT60F



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UUD1 U30



COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.1 / 14.2	5.4 / 13.4 / 15.7	5.8 / 14.6 / 15.8
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.8 / 16.9 / 18.3
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.26 / 3.44	0.70 / 3.31 / 4.30	0.90 / 4.25 / 5.53	1.00 / 5.21 / 5.84
	Heating	Min. / Rated / Max.	kW	0.50 / 2.43 / 3.30	0.70 / 3.51 / 4.56	0.90 / 4.37 / 5.33	1.00 / 5.12 / 5.89
Running Current	Cooling	Rated	A	10.1	14.6	18.7	23.1
	Heating	Rated	A	10.7	15.0	19.0	22.7
EER / COP			kWh/kWh	4.20 / 4.45	3.66 / 3.85	3.15 / 3.55	2.80 / 3.30
SEER / SCOP			kWh/kWh	7.0 / 4.3	7.0 / 4.3	6.5 / 4.2	6.2 / 4.2
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	475 / 3,093	1,037 / 3,093	1,237 / 3,167	1,413 / 3,167
Dehumidification Rate			l/h	2.4	4.5	5.7	6.6
ODU Sound Pressure Level	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
	Gas		mm (inch)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)	Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
INDOOR				UT36F NAO	UT42F NAO	UT48F NAO	UT60F NAO
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	60 / 50 / 45	60 / 50 / 45	80 / 60 / 50	80 / 60 / 50
Air Flow Rate		H / M / L	m³/min	27.5 / 25 / 22.5	27.5 / 25 / 22.5	30 / 27.5 / 25	30 / 27.5 / 25
Dimensions	Body	W x H x D	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Weight	Body		kg	25.3	25.3	25.3	25.3
Sound Pressure Level	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	46 / 44 / 42	46 / 44 / 42
Sound Power Level	Cooling	Max.	dB(A)	61	61	62	62
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel*	Model Name		-	PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1	7.1	7.1
OUTDOOR				UUD1 U30			
Power Supply			Ø / V / Hz	1 / 220-240 / 50			
Circuit Breaker		Min.	A	40			
Power Supply Cable (Included Earth)			No x mm³	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85.0			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type		-	R32			
	GWP (Global Warming Potential)		-	675			
	Precharged Amount		kg	3.0			
	t-CO ₂ eq		-	2.025			
	Additional Charge (After 7.5m)		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max.	m	30			

* Decoration panel can be selected as an optional accessory.

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4. This product contains fluorinated greenhouse gases. (R32)



Megaclima
— DESDE 1993 —



video 2"



**Apresentação
Megaclima**

video 4"



**Academia
Megaclima**

video 7"



**Por dentro da
Megaclima**

30 Anos na climatização e tratamento de ar

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