



ENGINEERED TO PROVIDE POWER SAVINGS



Magellan Inverter
Cassette series



MAGELLAN



Indoor Cassette Unit

FEATURES

■ optional ■ standard



Remote Control



Built-in
Drain Pump



Auto Restart
Function



Digital Tube
Display



Sleep Mode



Independent
Dehumidification



Silent



Anti-Cold-Air



Self-diagnosis
Function



Low Ambient
Cooling



Long-term Filter



Intelligent
Defrosting



Wired Control



Central Control



Golden Fin



WIFI Control

KEY HIGHLIGHTS

CASSETTE



Standard

Optional



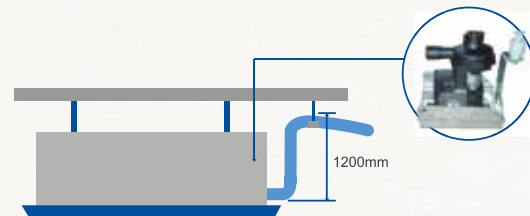
WIFI CONTROL

The optional WiFi modular makes it possible to monitor and control your AC while on the road through APP on your mobile phone or pad.



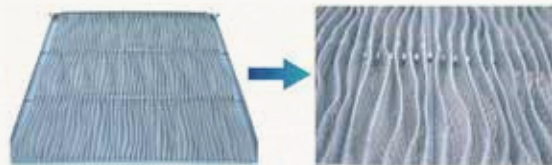
BUILT-IN WATER DRAINAGE PUMP

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



LONG TERM FILTER

The long-term air filter ensures better air quality and decreases the cleaning frequency.



FRESH AIR INTAKE

Fresh air makes indoor air healthy and comfortable.



OPTIONAL PANELS



Type A



Type B



Type C



Type D

TECHNICAL SPECIFICATIONS



Specification-R410A Full DC Inverter



Model	Indoor		UINC18CHA00	UINC24CHA00	UINC30CHA00
	Outdoor		UONC18CIHA00	UONC24CIHA00	UONC30CIHA00
Capacity	Cooling (T1/T3)	Btu/h	17000/15400	23000/21200	27000/24000
		RT	1.50/1.42	1.92/1.77	2.25/2.00
		kW	4.98/4.50	6.75/6.21	7.91/7.03
	Heating(T1)	Btu/h	19448	27637	30026
RT		1.62	2.30	2.50	
	kW	5.70	8.10	8.80	
Electric Data	Power Supply	V-, Hz, Ph	220-240, 50/60, 1	220-240, 50/60, 1	220-240, 50/60, 1
	Cooling Power Input(T1/T3)	kW	1.39/1.77	1.89/2.44	2.21/2.76
	Cooling Current(T1/T3)	A	6.10/7.80	8.30/10.80	9.70/12.20
	Heating Power Input(T1)	kW	1.50	2.19	2.38
	Heating Current(T1)	A	6.58	9.60	10.40
Performance	EER(T1/T3)	(Btu/h)/W	12.20/8.70	12.20/8.70	12.20/8.70
		W/W	3.58/2.55	3.58/2.55	3.58/2.55
	COP(T1)	(Btu/h)/W	12.97	12.62	12.11
		W/W	3.80	3.70	3.55
Air Flow Volume(Hi/Mid/Low)	m ³ /h	1100/1000/850	1500/1350/1200	1700/1500/1370	
	CFM	647/588/500	882/794/705	1000/882/806	
Noise Level(Hi/Mid/Low)	dB(A)	42/39/37	49/47/44	51/48/46	
Dimension (W×D×H)	Net(Body)	mm	840×840×246	840×840×246	840×840×288
	Packing(Body)	mm	910×910×310	910×910×310	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net(Body)/Gross(Body)	kg	26/30	26/30	28/33
	Net(Panel)/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantit	20/40/40H	set	72/144/156	72/144/156	72/144/156

Specification-R410A Full DC Inverter



Model	Indoor		UINC36CHA00	UINC42CHA00	UINC42CHA00
	Outdoor		UONC36CIHA00	UONC42CIHA00	UONC42DIHA00
Capacity	Cooling (T1/T3)	Btu/h	32000/30000	37000/28000	39000/35000
		RT	2.67/2.50	3.08/2.33	3.25/2.92
		kW	9.38/8.79	10.84/8.21	11.43/10.26
	Heating(T1)	Btu/h	37532	45380	46062
RT		3.13	3.78	3.84	
	kW	11.00	13.30	13.50	
Electric Data	Power Supply	V-, Hz, Ph	220-240, 50/60, 1	220-240, 50/60, 1	380-415, 50/60, 3
	Cooling Power Input(T1/T3)	kW	2.63/3.49	3.05/3.26	3.21/4.02
	Cooling Current(T1/T3)	A	11.60/15.30	13.35/14.30	6.20/7.70
	Heating Power Input(T1)	kW	3.01	3.80	3.70
	Heating Current(T1)	A	13.20	16.65	6.80
Performance	EER(T1/T3)	(Btu/h)/W	12.20/8.60	12.15/8.60	12.15/8.70
		W/W	3.56/2.52	3.56/2.52	3.56/2.55
	COP(T1)	(Btu/h)/W	12.45	11.94	12.45
		W/W	3.65	3.50	3.65
Air Flow Volume(Hi/Mid/Low)	m ³ /h	1950/1700/1600	2000/1700/1600	2000/1700/1600	
	CFM	1147/1000/941	1176/1000/941	1176/1000/941	
Noise Level(Hi/Mid/Low)	dB(A)	52/50/48	54/52/48	54/52/48	
Dimension (W×D×H)	Net(Body)	mm	840×840×288	840×840×288	840×840×288
	Packing(Body)	mm	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net(Body)/Gross(Body)	kg	30/35	30/35	31/36
	Net(Panel)/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping Size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	72/144/156	72/144/156	72/144/156

Remark:

1. The above designs and specifications are subject to change without prior notice. For final specifications please refer to technical specification provided by sales representative.
2. Cooling Capacity and Cooling Input Power (T1): Indoor 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB/24WB.
3. Heating Capacity and Heating Input Power : Input Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
4. The Max.Ambient temperature for units running is 55°C.
5. T: Tropical High Efficiency, N: Normal

KEY HIGHLIGHTS

OUTDOOR UNIT

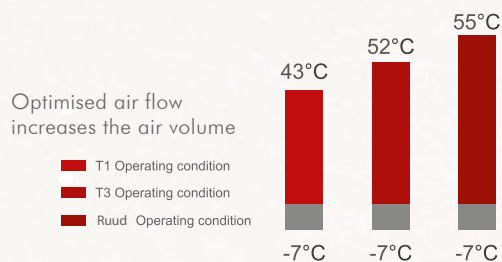


ENVIRONMENT FRIENDLY-R410A



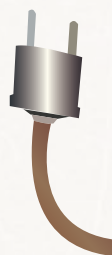
UP TO 55°C RUNNING

Enjoy excellent performance at ambient temperature up to 55°C, suitable for T3 operating condition.



MULTIPLE PROTECTION

With Multiple Protection Contents: High Pressure Protection, Low pressure protection, Compressor overloading protection, High Ext. temperature protection, phase protection (Phase-loss, phase - reverse), Over-heating protection, Anti-freezing protection, Sensor failure alarm, Failure code display, etc. The compressor could well run in reasonable operation range.



DOUBLE ANTI-CORROSION TECHNOLOGY

Galvanized metal with world-class powder spraying technology can improve the anti-corrosion ability of the housing of outdoor units by three times, especially, in salty, moist surroundings.





MAGELLAN

INVERTER



R410A
REFRIGERANT

TECHNICAL SPECIFICATIONS

OUTDOOR UNIT

Specification R410A Full DC Inverter



Model	Outdoor		UINC18CHA00	UINC24CHA00	UINC30CHA00	UINC36CHA00	UINC42CHA00	UONC42DIHA00
Electric Data	Power Supply	V~, Hz, Ph	220-240, 50/60, 1	220-240, 50/60, 1	220-240, 50/60, 1	220-240, 50/60, 1	220-240, 50/60, 1	380-415, 50/60, 3
Performance	Air Flow Volume	m ³ /h	3000	3500	3500	4200	6800	6800
		CFM	1765	2059	2059	2471	4000	4000
	Noise Level	dB(A)	56	58	58	59	60	60
Dimension (W×D×H)	Net	mm	825×310×655	900×350×700	900×350×700	970×395×805	940×370×1325	940×370×1325
	Packing	mm	945×435×725	1020×430×770	1020×430×770	1150×495×895	1080×430×1440	1080×430×1440
Weight	Net/Gross	kg	43/46	50/54	52/56	72/77	103/113	96/106
	Liquid	mm(inch)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
Piping	Gas	mm (inch)	12.70(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)
	Max. Length/Max. Height	m	30/15	30/15	30/20	30/20	50/30	50/30
Stuffing Quantity	20/40/40H	unit	93/192/192	84/114/171	84/114/171	44/92/96	40/80/95	40/80/95

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3. Heating Capacity and Heating Input Power : Input Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
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