

Erai

ALL DC INVERTER



THE FIRST AIR CONDITIONER WITH ARTIFICIAL INTELLIGENCE

The new Erai range of air conditioners with integrated technology of artificial intelligence offers a unique customized experience by adjusting its operation to your needs.

It continuously collects information through microchips and effectively and flexibly responds to the temperature fluctuations of the environment, the size of the room and the declared heating load, thus offering ultimate comfort and maximum energy savings.



**SMART DRY
FUNCTION**



**AUTO LED SMART LIGHT
SENSITIVITY SENSE**



**SELF CLEAN
STERILIZATION
FUNCTION AT 56°C**



**TEMPERATURE or
HUMIDITY SETTING**



**"SP" FUNCTION
"INTELLIGENT PREHEATING"**



**UV AIR
STERILIZATION**

Erai All DC Inverter		MYSTERY WHITE	CTN/CTG-328W	CTN/CTG-335W	CTN/CTG-356W	CTN/CTG-371W
		BLACK VELVET	CTN/CTG-328BV	CTN/CTG-335BV	CTN/CTG-356BV	CTN/CTG-371BV
		MIDNIGHT BLUE	CTN/CTG-328BRM	CTN/CTG-335BRM	CTN/CTG-356BRM	CTN/CTG-371BRM
PDESIGN						
PDESIGNC		kW	2,7	3,5	5,1	6,5
Pdesignh (Average Zone)		kW	2,7	3,2	4,1	5,0
Pdesignh (Warmer Zone)		kW	2,9	3,5	4,3	5,7
COOLING / HEATING CAPACITY						
COOLING*	CAPACITY	Btu/h	9212	11976	17401	22212
		kW	2,70	3,51	5,10	6,51
	RANGE CAPACITY	Btu/h	2.730 - 12.966	2.388 - 15.354	3.412 - 21837	3.400 - 26.600
		kW	0,80 - 3,80	0,70 - 4,50	1,00 - 6,40	1,00 - 7,80
HEATING*	CAPACITY	Btu/h	10236	13000	19107	24000
		kW	3,00	3,81	5,60	7,03
	RANGE CAPACITY	Btu/h	3.071 - 14.501	2.218 - 16.719	3.753 - 23.884	5.290 - 30.700
		kW	0,90 - 4,25	0,65 - 4,90	1,10 - 7,00	1,55 - 9,00
SEASONAL EFFICIENCY						
COOLING Pdesignc	SEER		8,5	8,5	8,5	8,5
	COOLING ENERGY CLASS		A+++	A+++	A+++	A+++
HEATING Pdesignh	SCOP AVERAGE ZONE		4,6	4,6	4,6	4,4
	ENERGY CLASS AVERAGE ZONE		A++	A++	A++	A+
	SCOP WARMER ZONE		5,7	5,6	5,8	6,0
	ENERGY CLASS WARMER ZONE		A+++	A+++	A+++	A+++
ELECTRICAL DATA						
PHASE-VOLTAGE-FREQUENCY		V-Hz-Ph	220~240V-50-1	220~240V-50-1	220~240V-50-1	220~240V-50-1
COOLING Pdesignc	ANNUAL ELECTRICITY CONSUMPTION (Q _{CE})	kWh/a	111	144	210	268
	ANNUAL ELECTRICITY CONSUMPTION AVERAGE ZONE (Q _{HE})	kWh/a	822	974	1248	1591
HEATING Pdesignh	ANNUAL ELECTRICITY CONSUMPTION WARMER ZONE (Q _{HE})	kWh/a	712	875	1038	1330
PERFORMANCES						
HUMIDITY REMOVAL		L/h	0.80	1.40	1.80	2.40
AIR FLOW VOLUME INDOOR UNIT (SHi/Hi/Mhi/M/MLo/Lo/Slo/SS)		m ³ /h	610/570/540/470/440/420/390/180	720/600/570/530/500/460/430/320	1000/880/760/650/620/600/550/450	1000/850/760/580/520/450/400/280
SOUND POWER LEVEL OF INDOOR UNIT COOLING (SHi/Hi/Mhi/M/MLo/Lo/Slo/SS)		dB(A)	58/51/48/45/40/37/36/33	60/53/51/49/46/44/38/33	60/57/55/52/49/44/41/38	64/57/55/53/51/47/43/37
SOUND POWER LEVEL OF INDOOR UNIT HEATING (SHi/Hi/Mhi/M/MLo/Lo/Slo)		dB(A)	58/51/48/45/44/43/42	60/53/51/49/47/45/43	60/56/54/50/48/47/44	64/58/56/54/50/47/44
SOUND PRESSURE LEVEL OF INDOOR UNIT COOLING (SHi/Hi/Mhi/M/MLo/Lo/Slo/SS)		dB(A)	38/37/34/31/26/23/22/19	43/39/37/35/32/30/24/19	45/42/40/37/34/29/26/23	48/43/41/39/37/33/29/23
SOUND PRESSURE LEVEL OF INDOOR UNIT HEATING (SHi/Hi/Mhi/M/MLo/Lo/Slo)		dB(A)	39/37/34/31/30/29/28	44/39/37/35/33/31/29	48/44/42/38/36/35/32	50/44/42/40/36/33/30
SOUND POWER LEVEL OF OUTDOOR UNIT (Hi)		dB(A)	61	64	65	70
SOUND PRESSURE LEVEL OF OUTDOOR UNIT (Hi)		dB(A)	50	53	59	58
DIMENSIONS AND WEIGHT						
INDOOR UNIT	PRODUCT DIMENSIONS (W*H*D)	mm	837×293×200	837×293×200	993×311×222	993×311×222
	NET WEIGHT	Kg	9,5	9,5	13	13,5
OUTDOOR UNIT	PRODUCT DIMENSIONS (W*H*D)	mm	732×555×330	802×555×350	873×555×376	958×660×402
	NET WEIGHT	Kg	25	30	37	42,5
	OUTDOOR		METALLIC	METALLIC	METALLIC	METALLIC
CONNECTION PIPE SIZE						
PIPING SIZE	LIQUID	mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	GAS	mm (inch)	9,53 (3/8")	9,53 (3/8")	12.7 (1/2")	15.88 (5/8")
	MAXIMUM PIPE LENGTH	m	15	20	25	25
	MAXIMUM PIPE HEIGHT	m	10	10	10	10
GENERAL SPECIFICATIONS						
ALL DC INVERTER FUNCTION			YES	YES	YES	YES
OPERATION TEMPERATURE LIMIT	COOLING	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	HEATING	°C	-25 ~ 30	-25 ~ 30	-25 ~ 30	-25 ~ 30
REFRIGERANT			R32	R32	R32	R32
REFRIGERANT CHARGE		kg	0,53	0,80	0,95	1,30
CO ₂ EQUIVELANT		Tonnes	0,35775	0,5400	0,64125	0,8775
ARTIFICIAL INTELLIGENCE			YES	YES	YES	YES
UV AIR STERILIZATION			YES	YES	YES	YES
IONIZER PLASMA			YES	YES	YES	YES
WIFI PRE-INSTALLED			YES	YES	YES	YES
FILTERS	HIGH DENSITY PREFILTER					
	1 x HEPA 3PLUS (HEPA/SILVER ION/BIOLOGY STERILIZATION)					
	1 x PHOTOCATALYTIC					

► For more information about ERAI air conditioners, please see pages 25-26.