

TOYOTOMI ERAI MIDNIGHT BLUE ALL DC INVERTER R32 2023

		CTN-32BRM	CTN-35BRM	CTN-35BRM	CTN-37BRM									
MODEL INDOOR UNIT	MODEL OUTDOOR UNIT	CTG-32BRM	CTG-35BRM	CTG-35BRM	CTG-37BRM									
In replacement of		CTNCTG-28BRM	CTNCTG-28BRM	CTNCTG-28BRM	CTNCTG-27BRM									
DESIGN LOAD (Pdesign)														
Pdesign (Average Zone)	kW	2.7	3.5	5.1	6.5									
Pdesign (Warmer Zone)	kW	2.7	3.2	4.1	5.0									
Pdesign (Warmer Zone)	kW	2.9	3.5	4.3	5.7									
COOLING/HEATING CAPACITY														
COOLING*	CAPACITY	Btu/h	9212	11976	17401									
		kW	2.70	3.51	5.10									
	RANGE CAPACITY	Btu/h	2,790 - 12,966	2,388 - 15,354	3,412 - 21837									
HEATING*	CAPACITY	kW	0.80-3.80	0.70-4.20	1.00-6.40									
		Btu/h	1028	1380	1917									
	RANGE CAPACITY	Btu/h	3,071 - 14,501	2,218 - 16,719	3,753 - 23,884									
	kW	0.90 - 4.25	0.65 - 4.90	1.10 - 7.00	1.55 - 9.00									
SEASONAL EFFICIENCY														
COOLING	SEER		8.5	8.5	8.5									
	Cooling Energy Class		A+++	A+++	A+++									
HEATING	SCOP Average Zone		4.6	4.6	4.4									
	Energy Class Average Zone		A++	A++	A+									
	SCOP Warmer Zone		5.7	5.6	6.0									
	Energy Class Warmer Zone		A+++	A+++	A+++									
ELECTRICAL DATA														
PHASE-VOLTAGE-FREQUENCY		P _{in} -V/Hz	1-220-240V-50	1-220-240V-50	1-220-240V-50									
COOLING	ANNUAL ELECTRICITY CONSUMPTION (Q _{ec})	kWh/a	111	144	210									
HEATING Pdesign	ANNUAL ELECTRICITY CONSUMPTION Average Zone (Q _{ec})	kWh/a	822	974	1248									
	ANNUAL ELECTRICITY CONSUMPTION Warmer Zone (Q _{ec})	kWh/a	712	875	1038									
PERFORMANCES														
HUMIDITY REMOVAL		L/h	0.80	1.40	2.40									
AIR FLOW VOLUME (S _H /H/Mb _H /M/ML _o /L _o /SL _o)		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									
SOUND POWER LEVEL OF INDOOR UNIT COOLING (S _H /H/Mb _H /M/ML _o /L _o /SL _o)		dB(A)	58/51/48/45/44/37/36/33	60/53/51/49/46/44/38/33	60/57/55/53/49/44/41/38									
SOUND POWER LEVEL OF INDOOR UNIT HEATING (S _H /H/Mb _H /M/ML _o /L _o /SL _o)		dB(A)	58/51/48/45/44/43/42	60/53/51/49/47/45/43	64/58/56/54/50/47/44									
SOUND PRESSURE LEVEL OF INDOOR UNIT COOLING (S _H /H/Mb _H /M/ML _o /L _o /SL _o)		dB(A)	38/37/34/31/28/23/22/19	43/39/37/35/32/30/24/19	45/42/40/37/34/29/26/23									
SOUND PRESSURE LEVEL OF INDOOR UNIT HEATING (S _H /H/Mb _H /M/ML _o /L _o /SL _o)		dB(A)	39/37/34/31/30/29/28	44/39/37/35/33/31/29	48/44/42/39/36/33/30									
SOUND POWER LEVEL OF OUTDOOR UNIT (H)		dB(A)	61	64	69									
SOUND PRESSURE LEVEL OF OUTDOOR UNIT (H)		dB(A)	50	53	59									
DIMENSIONS AND WEIGHT														
INDOOR UNIT	PRODUCT DIMENSIONS (W*H*PD)	mm	837*293*200	837*293*200	993*311*222									
	PACKING DIMENSIONS (W*H*PD)	mm	909*278*366	909*278*366	1067*300*386									
OUTDOOR UNIT	Net/Gross WEIGHT	Kg	9.5/11.5	9.5/11.5	13.1/15.5									
	PRODUCT DIMENSIONS (W*H*PD)	mm	732*553*330	802*553*350	873*553*376									
OUTDOOR UNIT	PACKING DIMENSIONS (W*H*PD)	mm	791*590*373	869*594*395	948*591*428									
	Net/Gross WEIGHT	Kg	25/27.5	30/32.5	37/40									
OUTDOOR UNIT			Metallic	Metallic	Metallic									
CONNECTION PIPE SIZE														
PIPING SIZE mm (inch)	Liquid	mm (inch)	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")									
	Maximum pipe length	m	15	20	25									
	Maximum pipe height	m	10	10	10									
GENERAL SPECIFICATIONS														
INVERTER FUNCTION			YES	YES	YES									
Operation Temperature limit °C	Cooling		-15~50	-15~50	-15~50									
	Heating		-25~30	-25~30	-25~30									
REFRIGERANT			R32	R32	R32									
REFRIGERANT CHARGE		kg	0.53	0.8	0.95									
CO2 EQUIVALENT		Tonnes	0.05775	0.5400	0.84125									
ARTIFICIAL INTELLIGENCE			YES	YES	YES									
UV AIR STERILIZATION			YES	YES	YES									
IONIZER PLASMA			YES	YES	YES									
WiFi			PRE-INSTALLED	PRE-INSTALLED	PRE-INSTALLED									
<table border="0" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;"></td> <td style="width:33%; text-align: center;">High density Prefiler</td> <td style="width:33%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">1 x HEPA 3PLUS (HEPA/Silver Ion/Biology sterilization)</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">1 x Photocatalytic</td> <td></td> </tr> </table>							High density Prefiler			1 x HEPA 3PLUS (HEPA/Silver Ion/Biology sterilization)			1 x Photocatalytic	
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FILTERS														
SMART DRY FUNCTION			YES	YES	YES									
SP FUNCTION *INTELLIGENT PREHEATING*			YES	YES	YES									
TURBO FUNCTION			YES	YES	YES									
TIMER FUNCTION			YES	YES	YES									
INTELLIGENT *DEFROST*			YES	YES	YES									
SELF DIAGNOSIS SYSTEM			YES	YES	YES									
DEHUMIDIFICATION FUNCTION			YES	YES	YES									
AUTORESTART FUNCTION			YES	YES	YES									
AUTO CLEAN FUNCTION			YES	YES	YES									
SELF CLEAN/STERILIZATION* FUNCTION 56°C			YES	YES	YES									
SMOOTH START FUNCTION			YES	YES	YES									
ENERGY SAVING FUNCTION			YES	YES	YES									
HORIZONTAL AUTO SWING			YES	YES	YES									
VERTICAL AUTO SWING			YES	YES	YES									
LEIGHT FUNCTION			YES	YES	YES									
AUTO LED FUNCTION			YES	YES	YES									
OUTDOOR UNIT ELECTRIC HEATER			YES	YES	YES									
SLEEP FUNCTION			YES	YES	YES									
NIGHT MODE FUNCTION			YES	YES	YES									
ANITICORROSION PROTECTION "BLUE FINS"			YES	YES	YES									
LOUVER MEMORY POSITION			YES	YES	YES									
LOCK FUNCTION			YES	YES	YES									
QUIET FUNCTION			YES	YES	YES									
SENSE FUNCTION			YES	YES	YES									
VOICE CONTROL FUNCTION			YES	YES	YES									
8°C HEATING FUNCTION			YES	YES	YES									
OUTDOOR COMPRESSOR ELECTRIC HEATING FUNCTION (HEATING BLT)			YES	YES	YES									
CONNECTION WITH WIRED CONTROLLER			OPTIONAL	OPTIONAL	OPTIONAL									
HOTEL MENU REMOTE CONTROLLER			OPTIONAL	OPTIONAL	OPTIONAL									
DOOR CONTROL CARD			OPTIONAL	OPTIONAL	OPTIONAL									
COUNTRY OF ORIGIN														
Bar Code Indoor Unit			CHINA	CHINA	CHINA									
Bar Code Outdoor Unit			520502021896	520502021902	520502021919									
SAP CODE Indoor Unit			520502021899	520502021902	520502021926									
SAP CODE Outdoor Unit			675103	675105	675109									
Space coverage m2			675104	675106	675110									
			12-18	16-24	23-34									
					27-42									

HARMONISED STANDARD: EN14511:2007, EN12102*
GLOBAL WARMING POTENTIAL (GWP) 675