TOYOTOMI ERAI BLACK VELVET ALL DC INVERTER R32 2023

MODEL INDOOR UNIT			**CTN-328BV**	**CTN-335BV**	**CTN-356BV**	**CTN-371BV**
MODEL OUTDOOR UNIT			**CTG-328BV**	**CTG-335BV**	**CTG-356BV**	**CTG-371BV**
In replacement of			-	-	-	-
DESIGN LOAD (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
SEASIONAL EFFICIENCY						
COOLING	SEER		8.5	8.5	8.5	8.5
	Cooling Energy Class		A+++	A+++	A+++	A+++
HEATING	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		Ph-V-Hz	1-220~240V-50	1-220~240V-50	1-220~240V-50	1-220~240V-50
COOLING	ANNUAL ELECTRICITY CONSUMPTION (Q_{CE})	kWh/a	111	144	210	268
HEATING Pdesignh	ANNUAL ELECTRICITY CONSUMPTION Average Zone (Q_{HE})	kWh/a	822	974	1248	1591
	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 (SHi/Hi/Mhi/M/MLo/Lo/SLo)		m3/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)		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)		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)			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
	PACKING DIMENSIONS (W*H*D)	mm	909×276×366	909×276×366	1067×386×300	1067×300×386
	Net/Gross WEIGHT	Kg	9,5/11,5	9,5/11,5	13/15,5	13,5/16
OUTDOOR UNIT	PRODUCT DIMENSIONS (W*H*D)	mm	732×555×330	802×555×350	873×555×376	958×660×402
	PACKING DIMENSIONS (W*H*D)	mm	791×590×373	869×594×395	948×591×428	1029×715×453
	Net/Gross WEIGHT	Kg	25/27,5	30/32,5	37/40	42,5/47
	OUTDOOR UNIT		Metallic	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")	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
GENERGAL SPECIFICATIONS						
INVERTER FUNCTION			YES	YES	YES	YES
Operation Temperature limit °C		Cooling	-15~50	-15~50	-15~50	-15~50
		Heating	-25~30	-25~30	-25~30	-25~30
REFRIGERANT			R32	R32	R32	R32
REFRIGERANT CHARGE		kg	0.53	0.8	0.95	1.3
CO2 EQUIVELANT		Tonnes	0.35775	0.5400	0.64125	0.8775
ARTIFICIAL INTELLIGENCE			YES	YES	YES	YES
UV AIR STERILIZATON			YES	YES	YES	YES
IONIZER PLASMA			YES	YES	YES	YES
WI-FI			PRE-INSTALLED	PRE-INSTALLED	PRE-INSTALLED	PRE-INSTALLED
FILTERS			High density Prefilter			
			1 x HEPA 3PLUS (HEPA/Silver Ion/Biology sterillization)			
			1 x Photocatlytic			
FUNCTIONS	"SMART DRY" FUNCTION		YES	YES	YES	YES
	"SI" FUNCTION "INTELLIGENT PREHEATING"		YES	YES	YES	YES
	"TURBO" FUNCTION		YES	YES	YES	YES
	"TIMER" FUNCTION		YES	YES	YES	YES
	INTELLIGENT "DEFROST"		YES	YES	YES	YES
	SELFDIAGNOS SYSTEM		YES	YES	YES	YES
	"DEHUMIDIFICATION" FUNCTION		YES	YES	YES	YES
	"AUTORESTART" FUNCTION		YES	YES	YES	YES
	"AUTO CLEAN" FUNCTION		YES	YES	YES	YES
	"SELF CLEAN/STERILAZATION" FUNCTION 56oC		YES	YES	YES	YES
	"SMOOTH START" FUNCTION		YES	YES	YES	YES
	"ENERGY SAVING" FUNCTION		YES	YES	YES	YES
	"HORIZONTAL" AUTO SWING		YES	YES	YES	YES
	"VERTICAL" AUTO SWING		YES	YES	YES	YES
	"LIGHT" FUNCTION		YES	YES	YES	YES
	"AUTO LED" FUNCTION		YES	YES	YES	YES
	OUTDOOR UNIT ELECTRIC HEATER		YES	YES	YES	YES
	"SLEEP" FUNCTION		YES	YES	YES	YES
	"NIGHT MODE" FUNCTION		YES	YES	YES	YES
	ANTI-CORROSION PROTECTION "BLUE FINS"		YES	YES	YES	YES
	LOUVER MEMORY POSITION		YES	YES	YES	YES
	"LOCK" FUNCTION		YES	YES	YES	YES
	"QUIET" FUNCTION		YES	YES	YES	YES
	"I-SENSE" FUNCTION		YES	YES	YES	YES
	"VOICE CONTROL" FUNCTION		YES	YES	YES	YES
	"8oC HEATING" FUNCTION		YES	YES	YES	YES
	OUTDOOR COMPRESSOR ELECTRIC HEATING FUNCTION (HEATING BELT)		YES	YES	YES	YES
	CONNECTION WITH WIRED CONTROLLER		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	HOTEL MENU REMOTE CONTROLLER		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
	DOOR CONTROL CARD		OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
COUNTRY OF ORIGIN			CHINA	CHINA	CHINA	CHINA
Bar Code Indoor Unit			5205022021711	5205022021735	5205022021759	5205022021773
Bar Code Outdoor Unit			5205022021728	5205022021742	5205022021766	5205022021780
SAP CODE Indoor Unit			675111	675113	675115	675118
SAP CODE Outdoor Unit			675112	675114	675116	675119
Space coverage m2			12~18	16~24	23~34	27~42

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