



YKR-T/021E

# TOYOTOMI

Japan

## DC Inverter SONZAI

SONZAI		Unit	THN/THG-A28SZ	THN/THG-A35SZ	THN/THG-A56SZ	THN/THG-A71SZ
Indoor unit reference			THN-A28SZ	THN-A35SZ	THN-A56SZ	THN-A71SZ
Outdoor unit reference			THG-A28SZ	THG-A35SZ	THG-A56SZ	THG-A71SZ
EAN code indoor unit			5205022020530	5205022020554	5205022020578	5205022020592
EAN code outdoor unit			5205022020547	5205022020561	5205022020585	5205022020608
Pdesignc		kW	2.7	3.5	5.3	6.7
Pdesignh (average zone)		kW	2.7	2.7	4.4	5.7
Pdesignh (warmer zone)		kW	3.4	3.4	5.0	7.0
Cooling capacity		Btu/h	9212 (2047-12966)	11942 (2730-13989)	18084 (4436-20131)	24908 (6142-25249)
		kW	2.70 (0.60-3.80)	3.50 (0.80-4.10)	5.30 (1.30-5.90)	7.30 (1.80-7.40)
Heating capacity		Btu/h	10236 (2730-14330)	12966 (3412-14330)	19107 (4436-20472)	24908 (6142-27296)
		kW	3.00 (0.80-4.20)	3.80 (1.00-4.20)	5.60 (1.30-6.00)	7.30 (1.80-8.00)
Cooling	SEER		6.4	6.2	7.0	6.5
	Cooling energy class		A++	A++	A++	A++
Heating	SCOP average zone		4.0	4.0	4.2	4.1
	Energy class average zone		A+	A+	A+	A+
	SCOP warmer zone		5.2	5.2	5.3	5.3
	Energy class warmer zone		A+++	A+++	A+++	A+++
Rated voltage / rated frequency / phase*		V/Hz/PH	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Cooling	Annual electricity consumption (QCE)	kWh/a	148	198	265	359
	Power input**	kW	0.80	1.08	1.58	2.20
	Current	A	3.80	5.60	7.50	10.00
Heating	Annual electricity consumption average zone (QHE)	kWh/a	938	938	1470	1950
	Annual electricity consumption warmer zone (QHE)	kWh/a	917	914	1321	1859
	Power input**	kW	0.83	1.05	1.55	2.01
	Current	A	4.10	4.90	7.00	9.50
Dehumidification		L/h	1.00	1.00	1.60	2.50
Air flow volume (L/M/H/SH)		m3/h	400/500/550/600	400/500/550/600	550/650/730/850	870/1010/1150/1300
Sound power level of indoor unit (SL/L/M/H/SH)		dB(A)	35/42/47/51/54	35/42/47/51/53	37/47/51/54/57	41/48/54/56/63
Sound pressure level of indoor unit (SL/L/M/H/SH)***		dB(A)	22/30/34/38/41	22/30/34/38/41	24/34/38/42/45	28/36/42/44/48
Sound power level of outdoor unit (HI)		dB(A)	61	62	62	66
Sound pressure level of outdoor unit (HI)***		dB(A)	50	50	51	52
Indoor unit	Unit dimensions (WxHxD)	mm	788x292x198	788x292x198	940x316x224	1121x329x231
	Package dimensions (WxHxD)	mm	855x350x270	855x350x270	1010x385x310	1205x400x317
	Net/gross weight	kg	8/10	8.5/10.5	11.5/13.5	14/16
	Shielded communication cable (between IDU & ODU)	qty x mm	4x1.5+T	4x1.5+T	4x1.5+T	4x1.5+T
Outdoor unit	Unit dimensions (WxHxD)	mm	705x530x279	705x530x279	785x555x300	900x700x350
	Package dimensions (WxHxD)	mm	825x595x326	825x595x326	888x590x367	1020x770x430
	Net/gross weight	kg	22.5/26.5	22.5/26.5	28/32	39/43
	Power cable	qty x mm	2x2.5+T	2x2.5+T	2x2.5+T	2x2.5+T
Pipe	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")	12.70(1/2")	15.88(5/8")
	Maximum pipe length without adding refrigerant	m	5	5	5	5
	Maximum pipe length with adding refrigerant	m	20	20	25	25
	Maximum pipe height	m	10	10	15	15
Refrigerant charge (R32)		g	560	560	1030	1300
Refrigerant additional charge		g/m	20	20	30	30
Filter			Hi density pre filter - Antivirus - Active carbon			
Operation temperature limit	Cooling	°C	16~49	16~49	16~49	16~49
	Heating	°C	-15~30	-15~30	-15~30	-15~30

Harmonised standard: EN 14511 : 2007, EN 12102 - Global Warming Potential (GWP)  
 Note: \*The power supply is on the outdoor unit \*\*The technical data comply with the UNI EN 14511/2004 standard \*\*\* Measured in free field



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# Sonzai

## High performance air conditioning

The combination of technological quality, the versatility of operation and a simple and elegant design makes the Sonzai the ideal air conditioner for your home.



Energy efficiency class A+++



Ecological, non-toxic and safe ozone-free R32 refrigerant



Save energy 'operating mode'



Heating mode at 8°C



I-SENSE function



Wi-Fi pre-installed



Intelligent preheating 'SP'



Turbo function



Timer function



Smart defrost



Self-diagnosis system



Dehumidification function



Smooth start function



Auto restart mode



Command lock function



Light function



Automatic horizontal oscillation movement



Automatic vertical oscillation movement



Sleep mode



Quiet mode



Memory position air louver



Ionizer



Active carbon filter



Auto clean function



Anti-corrosion protection 'blue fins'



Self Clean



High density pre-filter



Anti virus filter