

CASSETTE AIR CONDITIONERS

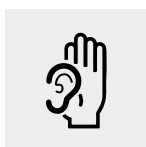
TENJI



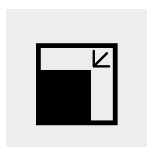
MAZE



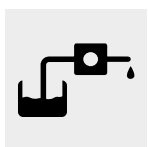
Fresh air supply⁽²⁾



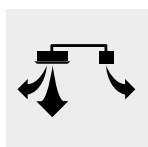
Low noise level



Compact dimensions



Built-in drain pump



Additional air flow⁽²⁾



SMART WiFi function⁽³⁾



UNIT FEATURES



R32 ecological refrigerant



SKY® DC motors



Digital DC Inverter SKY®



Automatic cleaning iAIR



Electrostatic HD iAIR filter



Wide angle air flow eMOTO



Turbo eMOTO mode



Airflow control system eMOTO



Wired controller SMART port



SMART LED temperature display⁽⁴⁾



ON/OFF SMART display on the panel



Remote controller



Wired controller⁽¹⁾



SMART Follow mode



Memory louver settings



Temperature indemnification



Refrigerant leak alarm



Emergency start function



Auto restart memory



Anti-corrosive gold-plated fins



Timer



Drip tray heater⁽⁴⁾



Compressor crankcase heater⁽⁴⁾



Cooling up to -15°C



Heating up to -15°C



Self-diagnosis function



Automatic louver



Sleep function



ON/OFF remote output



Alarm output signal



Output to the weekly controller



Output to the central controller



Synchro - simultaneous operation⁽²⁾

1. Wired controller available as an option
2. Available on selected models of the indoor unit

3. Optional WiFi modem required
4. Available when connecting the indoor unit with the outdoor unit UNICO NORDIC

TECHNICAL DATA

Model				Tenji 3.5 kW	Tenji 5.3 kW	Tenji 7.0 kW	Tenji 8.8 kW	Tenji 10.5 kW	Tenji 12.1 kW	Tenji 14.0 kW	Tenji 15.5 kW
Capacity	Cooling	Nominal	W	3516	5275	7034	8792	10551	12130	14067	15533
		Min-Max	W	1524-5275	2901-5744	3221-8206	3927-11137	4044-12016	4755-13194	4755-14584	5275-16705
Power consumption	Cooling	Nominal	W	850	1633	2190	2927	3950	3772	5130	5951
		Min-Max	W	350-1600	720-1860	480-2850	890-4200	890-4500	1158-4789	1174-5602	1147-6682
Operating current	Cooling	Nominal	A	3.8	7.2	9.5	12.9	6.6	16.0	8.3	9.8
		Min-Max	A	1.6-7.1	3.2-8.2	2.1-12.4	3.9-18.2	3.9-8.2	5.26-19.1	1.8-9.3	1.8-11.6
Capacity	Heating	Nominal	W	4396	5422	7620	9671	11137	13188	16119	18170
		Min-Max	W	1026-5568	2374-6096	2432-8646	2954-12162	2945-14142	3926-15007	3926-16765	4396-19343
Power consumption	Heating	Nominal	W	1100	1460	2050	2423	3000	3755	5050	6036
		Min-Max	W	310-1800	700-1930	500-2880	720-4150	720-4750	987-4382	987-5378	1022-6448
Operating current	Heating	Nominal	A	5.0	6.4	8.9	10.7	5.0	16.2	8.2	9.9
		Min-Max	A	1.4-7.9	3.1-8.5	2.2-12.5	3.2-18.3	3.2-8.3	4.49-19.2	1.56-8.9	1.6-11.2
Design load in cooling mode			kW	3.5	5.3	7.0	8.9	10.5	11.7	14.0	15.7
SEER			W/W	7.8	6.1	6.1	6.5	6.1	5.9	6.1	6.1
Energy efficiency class - cooling				A++	A++	A++	A++	A++	A+	A++	A++
Annual electricity consumption in cooling - average season			kWh/a	157	304	402	479	602	694	803	901
Design load in heating mode (T _{biv} -7°C)			kW	3.1	4.2	5.4	7.2	8.1	9.2	11.2	11.9
SCOP			W/W	4.6	4.0	4.0	3.8	4.0	3.9	4.0	4.0
Energy efficiency class - heating				A++	A+	A+	A	A+	A	A+	A+
Annual electricity consumption in heating - average season			kWh/a	943	1470	1890	2653	2835	3303	3920	4165
Dehumidification			l/h	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.5
Maximum energy consumption			W	2350	2950	2950	3600	5600	5800	6200	7500
Maximum operating current			A	10.0	13.5	13.5	17.0	11.0	23.0	13.0	14.0
Indoor unit				T35Wi	T50Wi	T70Wi	T90Wi	T100Wi	T120Wi	T140Wi	T160Wi
Fan speed		(Hi./Mi./Lo.)	rpm	700/580/500	752/664/576	780/600/450	910/780/600	910/780/600	910/780/600	910/780/600	750/670/600
Air flow		(Hi./Mi./Lo.)	m ³ /h	617/504/416	720/625/540	1378/1200/1032	1775/1620/1438	1775/1620/1438	1715/1568/1381	1715/1568/1381	1970/1737/1537
Sound pressure level at standard rating conditions		(Hi./Mi./Lo.)	dB(A)	41/36/33	42.5/39/35.5	47/43/40	51/49/46	51/47/41	52/50/49	52/50/49	53/50.5/48
Sound power level at standard rating conditions			dB(A)	51	56	59	62	62	66	65	65
Net Dimensions		(W×D×H)	mm	570×570×260	570×570×260	830×830×245	830×830×245	830×830×245	830×830×245	830×830×245	830×830×245
Gross dimensions		(W×D×H)	mm	662×662×317	662×662×317	900×900×270	900×900×270	900×900×270	900×900×270	900×900×270	900×900×270
Net weight / Gross weight			kg	16.2/21.4	16.2/21.4	23/27	27.5/31	27.5/31	29/32.7	29/32.7	29.7/33.4
Condensate drain			mm	25	25	32	32	32	32	32	32
Panel	Model			TCCW2p	TCCW2p	TSCW2p	TSCW2p	TSCW2p	TSCW2p	TSCW2p	TSCW2p
	Net Dimensions		(W×D×H)	mm	647×647×50	647×647×50	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Gross dimensions		(W×D×H)	mm	715×715×123	715×715×123	1035×1035×90	1035×1035×90	1035×1035×90	1035×1035×90	1035×1035×90
	Net weight / Gross weight			kg	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8	5/8
Outdoor unit				T35Wo	T50Wo	T70Wo	T90Wo	T100Wo	T120Wo	T140Wo	T160Wo
Fan speed		High	rpm	850	800	850	1050	1050	1050	850	850
Maximum air flow			m ³ /h	2000	2000	2700	3600	4000	4300	7500	7500
Sound pressure level at standard rating conditions			dB(A)	55.5	55.5	62	60.5	64	67	66	66
Sound power level at standard rating conditions			dB(A)	63.0	63.0	65	69	68	74	72	74
Net Dimensions		(W×D×H)	mm	800×333×554	800×333×554	845×363×702	946×410×810	946×410×810	946×410×810	952×415×1333	952×415×1333
Gross dimensions		(W×D×H)	mm	920×390×625	920×390×620	965×395×765	1090×500×885	1090×500×875	1090×500×885	1095×495×1480	1095×495×1480
Net weight / Gross weight			kg	33.7/36.6	34.7/37.5	49.4/52.8	56.9/61.8	81.5/87.0	73.9/78.9	106.7/119.9	111.3/124.3
Refrigerant	Type			R32	R32	R32	R32	R32	R32	R32	R32
	GWP			675	675	675	675	675	675	675	675
	Amount (up to 5 m)	kg		0.87	1.15	1.5	2.0	2.4	2.8	2.8	2.95
TCO ₂ eq			0.59	0.78	1.01	1.35	1.62	1.89	1.89	1.99	
Pipe connections		Liquid / Gas	mm(inch.)	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ15.9 (3/8"/5/8")	Φ9.52/Φ15.9 (3/8"/5/8")
Additional refrigerant above 5 m			g/m	12	12	24	24	24	24	24	
Maximum installation length			m	25	30	50	50	65	65	65	
Maximum level difference			m	10	20	25	25	30	30	30	
Compressor type				Rotary DC	Rotary DC	Rotary DC	Rotary DC	Rotary DC	Rotary DC	Rotary DC	
Power supply indoor unit		V-Hz, Ø		220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	220-240-50, 1f
Power supply outdoor unit		V-Hz, Ø		220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	220-240-50, 1f	380-420-50, 3f	220-240-50, 1f	380-420-50, 3f	380-420-50, 3f
Overcurrent protection		A		C10	C16	C16	C20	C10/3	C25	C16/3	C16/3
Power cords: indoor unit		qt. × mm ²		3 × 1.5	3 × 1	3 × 1	3 × 1	3 × 1	3 × 1	3 × 1	3 × 1
Power cords: outdoor unit		qt. × mm ²		3 × 1.5	3 × 2.5	3 × 2.5	3 × 2.5	5 × 2.5	3 × 2.5	5 × 2.5	5 × 2.5
Control cables: indoor - outdoor		qt. × mm ²		2 × 1.5	1 × 1	2 × 1	2 × 1	2 × 1	2 × 1	2 × 1	2 × 1
Mounting points distance		(W×D)	(mm)	514×340	514×340	540×350	673×403	673×403	673×403	634×404	634×404
Inside working range		(Cooling/Heating)	°C	17-32 / 0-30	17-32 / 0-30	17-32 / 0-30	17-32 / 0-30	17-32 / 0-30	17-32 / 0-30	17-32 / 0-30	17-32 / 0-30
Outside working range		(Cooling/Heating)	°C	-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24	-15-50 / -15-24

OPTIONAL ACCESSORIES



Wired controller
SAVA

Central wired
controller

Central wired controller
with weekly
programming

Filters

Modem
SMART WIFI

Alternate operation
controller