

# ECO DC Inverter SORA



85T

SORA		Unit	TSN/TSG-09R32	TSN/TSG-12R32	TSN/TSG-18R32	TSN/TSG-24R32
Indoor unit reference			TSN-09R32	TSN-12R32	TSN-18R32	TSN-24R32
Outdoor unit reference			TSG-09R32	TSG-12R32	TSG-18R32	TSG-24R32
EAN code indoor unit			4963505830786	4963505830793	4963505830809	4963505830816
EAN code outdoor unit			4963505078010	4963505079017	4963505080013	4963505081010
Pdesignc		kW	2.6	3.4	5.1	6.8
Pdesignh (average zone)		kW	2.1	2.4	3.8	5.7
Pdesignh (warmer zone)		kW	2.3	2.6	5.0	5.6
Cooling capacity		kW	2.6 (0.94~3.30)	3.4 (1.00~3.77)	5.1 (1.25~5.90)	6.8 (1.83~7.82)
Heating capacity		kW	2.63 (0.94~3.36)	3.43 (1.00~3.81)	5.13 (1.25~6.08)	7.05 (1.85~7.96)
Cooling	SEER		6.3	6.1	6.1	6.5
	Cooling energy class		A++	A++	A++	A++
Heating	SCOP average zone		4.0	4.0	4.0	4.0
	Energy class average zone		A+	A+	A+	A+
	SCOP warmer zone		5.1	5.1	5.1	5.1
	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	144	195	293	366
	Power input**	kW	0.80 (0.24~1.38)	1.05 (0.29~1.50)	1.57 (0.33~2.35)	2.10 (0.41~2.80)
	Current	A	4.7 (1.2~8.0)	5.1 (1.5~9.0)	8.2 (1.7~12.0)	9.8 (2.3~13.0)
Heating	Annual electricity consumption average zone (QHE)	kWh/a	735	840	1330	1995
	Annual electricity consumption warmer zone (QHE)	kWh/a	631	714	1373	1537
	Power input average zone**	kW	0.71 (0.24~1.55)	0.92 (0.290~1.73)	1.38 (0.34~2.55)	1.90 (0.42~3.00)
	Current average zone	A	4.2 (1.2~9.0)	4.6 (1.5~10.0)	7.2 (1.7~13.0)	8.6 (2.3~14.0)
Dehumidification		L/h	1	1.2	1.5	1.8
Air flow volume indoor cooling/heating		m <sup>3</sup> /h	560/560	560/560	820/820	1100/1100
Air flow volume outdoor		m <sup>3</sup> /h	1900	1900	2600	3000
Sound power level of indoor unit (S/H/M/L/Mute)		dB(A)	51/47/43/35/32	52/48/43/39/32	54/50/47/43/36	58/52/48/44/41
Sound pressure level of indoor unit (S/H/M/L/Mute)***		dB(A)	41/37/33/25/22	42/38/33/30/22	43/41/38/35/27	47/42/38/34/31
Sound power level of outdoor unit (H)		dB(A)	60	62	65	68
Sound pressure level of outdoor unit (H)***		dB(A)	50	52	55	57
Indoor unit	Unit dimensions (WxHxD)	mm	790×275×192	790×275×192	920×306×195	1100×333×222
	Package dimensions (WxHxD)	mm	860×345×265	860×345×265	990×380×265	1165×405×295
	Net/gross weight	kg	8.5/10.5	8.5/10.5	11/13	14/17
	Shielded communication cable (between IDU & ODU)	qty x mm <sup>2</sup>	4 x 0.75	4 x 0.75	4 x 0.75	4 x 0.75
Outdoor unit	Unit dimensions (WxHxD)	mm	777×498×290	777×498×290	853×602×349	920×699×380
	Package dimensions (WxHxD)	mm	818×520×325	818×520×325	890×628×385	960×732×400
	Net/gross weight	kg	24/26	24/26	31/34	40/43
	Power cable	qty x mm <sup>2</sup>	2 x 1.5+T	2 x 1.5+T	2 x 1.5+T	2 x 1.5+T
Pipe	Liquid	mm (inch)	6.4 (1/4")	6.4 (1/4")	6.4 (1/4")	6.4 (1/4")
	Gas	mm (inch)	9.5 (3/8")	9.5 (3/8")	9.5 (3/8")	12.7 (1/2")
	Maximum pipe length without adding refrigerant	m	5	5	5	5
	Maximum pipe length with adding refrigerant	m	25	25	25	25
	Maximum pipe height difference	m	10	10	10	10
	Refrigerant charge (R32)	g	570	570	1000	1110
Refrigerant additional charge		g/m	15	15	25	25
Operation temperature limit outdoor	Cooling	°C	-15~53	-15~53	-15~53	-15~53
	Heating	°C	-20~30	-20~30	-20~30	-20~30

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

## ECO DC Inverter SORA



# SORA

## SORA, where affordability meets high performance

With top-notch technology, versatile operation, and a sleek design, Sora is the perfect air conditioner for your home.

### HIGH PERFORMANCE

- Exceptional performance across a wide range of operating temperatures for the air conditioner.
- Turbo Cooling:
  - Super high-frequency start-up for rapid cooling in under 30 seconds.
  - Increased air volume by 20%.
  - Noise reduction by 1-2 dB(A).
- WiFi-ready for effortless installation via USB stick.

### MODERN INDOOR UNIT DESIGN

- Sleek indoor unit design featuring a matte finish for an appealing aesthetic.
- Top filter seamlessly integrated into the inlet grill for effortless cleaning.
- Specially designed wind blades ensure gentle, comfortable airflow.
- Smart airflow design utilizes larger louvers for extended and wider air distribution.
- Simplified installation and maintenance facilitated by an optimized installation plate, enhancing ease of assembly.
- Equipped with self-cleaning and sterilization functions for enhanced hygiene and convenience.

### ACCESSORIES

- WiFi module (USB stick) - EAN code 4963505049843



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



ECO mode



Heating mode at 8°C



Save energy 'operating mode'



Dehumidification function



Smart Air Flow



GEN mode



Self-diagnosis system



Gentle air flow



Sleep mode



Memory position air louver



Self Clean



Refrigerant leakage detection