

**DC Inverter  
Low Ambient Series  
YUKI+**



85T



YUKI+		Unit	TYN/TYG-09R32 PLUS	TYN/TYG-12R32 PLUS	TYN/TYG-18R32 PLUS	TYN/TYG-24R32 PLUS
Indoor unit reference			TYN-09R32 PLUS	TYN-12R32 PLUS	TYN-18R32 PLUS	TYN-24R32 PLUS
Outdoor unit reference			TYG-09R32 PLUS	TYG-12R32 PLUS	TYG-18R32 PLUS	TYG-24R32 PLUS
EAN code indoor unit			4963505900083	4963505900106	4963505900120	4963505900144
EAN code outdoor unit			4963505900090	4963505900113	4963505900137	4963505900151
Pdesignc		kW	2.6	3.5	5.2	7.0
Pdesignh (average zone)		kW	2.4	2.5	4.2	5.3
Pdesignh (warmer zone)		kW	2.5	3.5	5.0	6.4
Cooling capacity		Btu/h	8906 (3207~12625)	12011 (3412~15695)	17743 (4265~20200)	23885 (6244~26683)
		kW	2.61 (0.94~3.70)	3.52(1.00~4.60)	5.20(1.25~5.92)	7.00(1.83~7.82)
Heating capacity		Btu/h	11328 (3207~13649)	13171 (3412~16719)	18767 (4265~22827)	24226 (6312~27161)
		kW	3.32(0.94~4.00)	3.86(1.00~4.90)	5.50(1.25~6.69)	7.10(1.85~7.96)
Cooling	SEER		8.5	8.5	8.5	8.5
	Cooling energy class		A+++	A+++	A+++	A+++
Heating	SCOP average zone		4.6	4.7	4.6	4.7
	Energy class average zone		A++	A++	A++	A++
	SCOP warmer zone		5.2	5.9	5.6	5.6
	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	108	145	215	289
	Power input**	kW	0.67 (0.24~1.38)	1.05 (0.29~1.51)	1.42 (0.33~2.35)	1.94(0.41~2.83)
	Current	A	3.0(1.2~8.1)	4.8(1.5~9.2)	6.4(1.7~12.0)	8.7(2.3~15.5)
Heating	Annual electricity consumption average zone (QHE)	kWh/a	731	745	1279	1579
	Annual electricity consumption warmer zone (QHE)	kWh/a	674	831	1250	1600
	Power input**	kW	0.86 (0.24~1.55)	0.96 (0.29~1.72)	1.40 (0.34~2.54)	1.81 (0.42~3.01)
	Current	A	3.9(1.2~9.0)	4.0(1.5~10.0)	6.4(1.7~13.0)	8.0(2.3~16.0)
Dehumidification		L/h	1.2	1.5	1.8	2
Air flow volume indoor	Cooling	m <sup>3</sup> /h	650/630/590/550/510/470/420	650/630/590/550/510/470/420	860/790/740/680/630/570/510	1100/1020/960/890/830/770/680
	Heating	m <sup>3</sup> /h	680/650/610/570/540/500/460	680/650/610/570/540/500/460	900/810/760/700/650/590/530	1150/1070/1010/940/890/830/750
Sound power level of indoor unit S/H/H-M/M/M-L/L/L/Mute)		dB(A)	54/50/47/44/39/35/29	54/50/47/44/39/35/29	57/52/50/48/46/44/42	60/54/50/47/44/40/36
Sound pressure level of indoor unit S/H/H-M/M/M-L/L/L/Mute)***		dB(A)	44/41/37/34/29/25/19	44/41/37/34/29/25/19	47/42/40/38/36/34/32	50/44/40/37/34/30/26
Sound power level of outdoor unit (H)		dB(A)	62	63	65	68
Sound pressure level of outdoor unit (H)***		dB(A)	52	53	55	58
Indoor unit	Unit dimensions (WxHxD)	mm	820×306×195	820×306×195	920×306×195	1100×333×222
	Package dimensions (WxHxD)	mm	890×380×265	890×380×265	990×380×265	1165×405×295
	Net/gross weight	kg	9/11	9/11	10/13	14/17
	Shielded communication cable (between IDU & ODU)	qty x m	4×0.75mm <sup>2</sup>	4×0.75mm <sup>2</sup>	4×0.75mm <sup>2</sup>	4×0.75mm <sup>2</sup>
Outdoor unit	Unit dimensions (WxHxD)	mm	787×498×290	810×549×305	927×699×380	978×803×421
	Package dimensions (WxHxD)	mm	818×520×325	835×575×328	960×732×430	1022×835×480
	Net/gross weight	kg	22/24	24/26	38/41	45/48
	Power cable	qty x m	3×1.5	3×1.5	3×1.5	3×2.5
Pipe	Liquid	inch	1/4"	1/4"	1/4"	1/4"
	Gas	inch	3/8"	3/8"	1/2"	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	m	10	10	10	10
Refrigerant charge (R32)		g	570	600	870	1270
Refrigerant additional charge		g/m	15	15	25	25
Filter			Silver Ion Filter. Active Carbon Filter. Vitamin C Filter. UVC Sterilization Pro			
Operation temperature limit	Cooling	°C	-15~53	-15~53	-15~53	-15~53
	Heating	°C	-25~30	-25~30	-25~30	-25~30

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



## Outstanding performance with innovative features

YUKI+ series, your guarantee for an outstanding heating performance under typical Nordic “low ambient” conditions. This air conditioner is provided with special features, like a self-preheated compressor, heating elements on bottomplate for defrosting, UVC sterilization and smart WiFi or voice control.

# YUKI+

### NORDIC LOW AMBIENT EQUIPMENT

- Compressor with self-preheating function: by energizing the windings to heat the lubricant inside the compressor there will be no heat loss compared to the use of heating belts surrounding the compressor. This compressor has a much better effect, preventing failure mode at low ambient temperature.
- Bottom plate of outdoor unit is provided with different drainage holes and a heating element for defrosting.
- Outstanding performance with a wide range of temperature in which the air conditioner can operate (heating : -25°C – 30°C)

### MODERN INDOOR UNIT DESIGN

- Attractive design indoor unit with a matte finish
- Easy to clean top filter, fully integrated with the inlet grill
- The wind blades have a special design, which generates a gentle, soft cool wind and provides an excellent air flow comfort for the user.
- Smart Air Flow, thanks to a larger louver creating so-called Coanda effect, the air flow becomes longer and wider.
- The indoor unit is provided with an optimized installation plate, resulting in more easy installation, maintenance and assembly.

### ADDITIONAL FEATURES

- The evaporator has a “self cleaning and sterilization” function.
- The built in LED UVC lamp which is mounted on the evaporator, with a radiation of 240nm-280nm, highly effective to kill bacteria by damaging their DNA.
- A Bipolar Ionic Generator is built in the air outlet, generating plasma the energy released will damage the cell surface to kill bacteria and viruses.
- The air conditioner is provided with WiFi smart control as well as AI voice control.



Smart Defrost



Wi-Fi Function



Ionizer



Preheating Compressor



Ultra Violet LED lamp



Self-Cleaning Function



Smart Home Function



Gentle Air Flow



High Density Pre-Filter