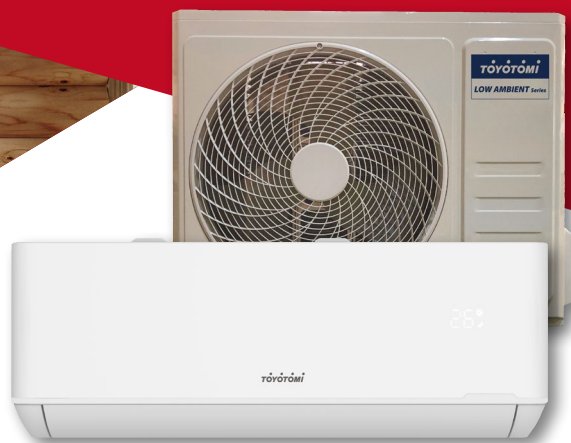


**DC Inverter  
Low Ambient Series  
YUKI**



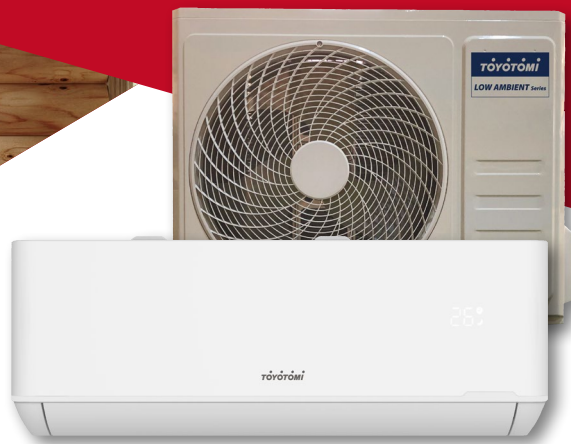
85T



YUKI		Unit	TYN/TYG-09R32	TYN/TYG-12R32	TYN/TYG-18R32	TYN/TYG-24R32
Indoor unit reference			TYN-09R32	TYN-12R32	TYN-18R32	TYN-24R32
Outdoor unit reference			TYG-09R32	TYG-12R32	TYG-18R32	TYG-24R32
EAN code indoor unit			4963505830496	4963505830502	4963505830519	4963505830526
EAN code outdoor unit			4963505049010	4963505050016	4963505051013	4963505052010
Pdesignc		kW	2.6	3.3	5.0	6.8
Pdesignh (average zone)		kW	2.1	2.4	3.8	5.8
Pdesignh (warmer zone)		kW	2.6	2.6	5.0	6.6
Cooling capacity		Btu/h	8871 (3207-11328)	11260 (3412-13000)	17060 (4265-20131)	23202 (6244-26716)
		kW	2.6 (0.94~3.32)	3.3 (1.00~3.81)	5.0 (1.25~5.90)	6.8 (1.83~7.83)
Heating capacity		Btu/h	9042 (3207-11533)	11942 (3412-13341)	17401 (4265-20745)	24055 (6312-27228)
		kW	2.6 (0.94~3.38)	3.5 (1.00~3.91)	5.1 (1.25~6.08)	7.0 (1.85~7.98)
Cooling	SEER		6.1	6.1	6.1	6.1
	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	149	189	287	390
	Power input**	kW	0.89 (0.24~1.39)	1.09 (0.29~1.50)	1.55 (0.33~2.35)	2.06 (0.40~2.81)
	Current	A	4.7 (1.2~8.0)	5.5 (1.5~9.0)	8.2 (1.7~12.0)	9.5 (2.2~13.0)
Heating	Annual electricity consumption average zone (QHE)	kWh/a	735	840	1330	2030
	Annual electricity consumption warmer zone (QHE)	kWh/a	714	714	1373	1812
	Power input**	kW	0.80 (0.24~1.56)	1.06 (0.290~1.73)	1.37 (0.34~2.55)	1.90 (0.40~3.01)
	Current	A	4.4 (1.2~9.0)	5.3 (1.5~10.0)	7.2 (1.7~13.0)	8.7 (2.2~14.0)
Dehumidification		L/h	1	1.2	1.5	2
Air flow volume indoor cooling/heating - Outdoor		m3/h	560/560 - 2200	560/560 - 2200	820/820 - 2600	1100/1100 - 3000
Sound power level of indoor unit (S/H/M/L/Mute)		dB(A)	52/47/43/35/32	52/47/43/35/32	54/50/47/43/36	58/53/49/45/42
Sound pressure level of indoor unit (S/H/M/L/Mute)***		dB(A)	42/37/33/25/22	42/37/33/25/22	43/41/38/35/27	49/43/38/35/32
Sound power level of outdoor unit (H)		dB(A)	62	62	65	68
Sound pressure level of outdoor unit (H)***		dB(A)	52	52	55	58
Indoor unit	Unit dimensions (WxHxD)	mm	790x275x192	790x275x192	920x306x195	1100x333x222
	Package dimensions (WxHxD)	mm	860x345x265	860x345x265	990x380x265	1165x405x295
	Net/gross weight	kg	8.5/10.5	8.5/10.5	11/13	14/17
	Shielded communication cable (between IDU & ODU)	qty x m	4 x 3.8/4.3/5.8	4 x 3.8/4.3/5.8	4 x 3.8/4.3/5.8	4 x 3.8/4.3/5.8
Outdoor unit	Unit dimensions (WxHxD)	mm	795x549x305	795x549x305	853x602x349	920x699x380
	Package dimensions (WxHxD)	mm	835x340x585	835x340x585	890x628x385	960x732x430
	Net/gross weight	kg	25/29	25/29	35/39	40/46
	Power cable	qty x m	3x2.0	3x2.0	3x2.0	3x2.0
Pipe	Liquid	inch	1/4"	1/4"	1/4"	1/4"
	Gas	inch	3/8"	3/8"	3/8"	1/2"
	Maximum pipe length without adding refrigerant	m	25	25	25	25
	Maximum pipe length with adding refrigerant	m	5	5	5	5
	Maximum pipe height	m	10	10	10	10
Refrigerant charge (R32)		g	700	700	1000	1200
Refrigerant additional charge		g/m	15	15	25	25
Filter			Screen filter on top, built in LED UVC lamp, Bipolar Ionic Generator			
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



# YUKI

## 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.

### 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 mode



Ionizer



Preheating compressor



Ultra Violet LED lamp



Self Clean



Toyotaomi Voice Control



Gentle air flow



High density pre-filter