



GENERALLUX STAR



GNS 21SEER2

Heats Down to



-20°C



**21 SEER2
IN AIR CONDITIONING**

**10 HSPF
IN HEATING**

MAIN FEATURES

Operating mode :

- Air conditioning (Cool) : This function allows the heat pump to cool the room while reducing humidity in air.

- Heating : This function allows the heat pump to heat the room.

- Dehumidification (Dry) : This function reduces humidity in the air to make the room more comfortable.

- Ventilation (Fan) : This function allows for ventilating the room only.

- Automatic (Auto) : In AUTO mode, the operating mode will be automatically set based on the ambient temperature.

- Standby (Sleep) : After 10 hours of operation in standby mode, the heat pump will automatically turn off.

- Eco : In this mode, the device will automatically set to a function to save energy.

Control :

- Remote control.
- Smart control via WiFi technology.
- Temperature display in °C or °F.

Application :

Residential, commercial buildings, office buildings, condos, restaurants, etc.

Indoor Unit :

- Wall-mounted installation
- Four-speed fan (auto, high, medium, low).
- Moisture removal from 1.2 L/h to 2 L/h
- Sound level very low, close to whispering.

Power supply :

208/230V, 60 Hz, 1 Phase.

Available power levels :

12000, 18000 et 24000 BTU/h.

Outdoor Unit :

GMCC (Toshiba) variable speed compressor
Very quiet unit.

Communication Wires:

4/16 AWG copper wire.

Connecting copper piping between unit

- 1/4" to 1/2" pipe
- Factory preloaded length: 25 Pi (7.5m)

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Technical specifications GNS 21 SEER2 series

GNS 21 SEER2 SERIES			12 000	18 000	24 000
Indoor Unit :			GNS12HCH20R32I	GNS18HCH21R32I	GNS24HCH20R32I
Outdoor Unit :			GNS12HCH20R32O	GNS18HCH21R32O	GNS24HCH20R32O
Reference code AHRI:			215887343	215887344	215887345
Power supply	V/Hz/Ph	208/230V/60Hz/1P			
Communication electrical connection		4 x 16 AWG	4 x 16 AWG	4 x 16 AWG	
Minimum circuit amperage (MCA)	A	9,5	14,5	21	
Maximum Overcurrent Protection (MOP)	A	15	20	35	
SYSTEM PERFORMANCE					
Power	Cooling	BTU/h	12 000	18 000	24 000
	Heating	BTU/h	12 000	18 000	24 000
Cooling capacity range		BTU/h	4000 - 13000	6500 - 19000	8000 - 25000
Heating capacity range		BTU/h	4000 - 13000	6500 - 19000	8000 - 25000
Nominal consumption	Cooling	W	1080	1505	2 270
	Heating	W	1000	1350	2 130
SEER 2		BTU/W ^h	20,0	21,0	19,5
EER 2		BTU/W ^h	11,1	11,95	10,6
HSPF 2 (IV Region)		BTU/W ^h	8,5	9,8	8,5
Maximum heating capacity (5 /-15)		W/W	7 500	15 000	18500
Maximum heating capacity (-5 /-20)		W/W	6 000	8 200	13000
COP2 (47F/8.3C)		W/W	3,50	3,91	3,30
COP2 (5 /-15)		W/W	2,0	2,4	1,9
NEEP CANADA			OUI	OUI	OUI
INDOOR UNIT SPECIFICATIONS			GNS12HCH20R32I	GNS18HCH21R32I	GNS24HCH20R32I
Dehumidification capacity		L/h	1,2	1,8	2
Air flow volume		m ³ /h (CFM)	670/620/530/430 394/364/311/253	1100/1000/820/650 647/589/483/382	1200/1100/950/750 706/647/559/441
Sound level		dB(A)	42/39/37/35/32	48/45/41/39/36	50/48/43/41/39
Dimensions	Width	mm (po)	850 (33 1/2)	1080 (42 1/2)	1080 (42 1/2)
	Height	mm (po)	270 (10,5/8)	315 (12 3/8)	315 (12 3/8)
	Depth	mm (po)	208 (8 3/16)	230 (9)	230 (9)
Weight	Net	kg (lb)	8,5 (18,5)	14 (30,9)	13,5 (29,8)
OUTDOOR UNIT SPECIFICATIONS			GNS12HCH20R32O	GNS18HCH21R32O	GNS24HCH20R32O
Ambient temperature	Air conditioning	C° /F°			
	Heating	C° /F°	-20-30/-5-86	-20-30/-5-86	-20-30/-5-86
Sound level		dB(A)	53	56	60
Dimensions	Width	mm (po)	715 (33 1/2)	810 (317/8)	860 (33 7/8)
	Height	mm (po)	540 (21 1/4)	585 (23)	650 (25 1/2)
	Depth	mm (po)	240 (9 1/2)	280 (11)	310 (12 3/16)
Weight	Net	kg (lb)	24(52,9)	34 (75)	46 (101,4)
REFRIGERATION SYSTEM					
Suction line size		mm (po)	ø 9.52 (3/8)	ø 12,7 (1/2)	ø 15.88 (5/8)
Liquid line size		mm (po)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 9.52 (3/8)
Factory precharged pipe length		m (pi)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)
Maximum pipe length		m (pi)	20 (65,6)	30 (98,4)	30 (98,4)
Additional refrigerant charge		g/m, (oz/ft)			
Maximum pip elevation		m (pi)	15 (49)	15 (49)	15 (49)
Refrigerant type / Charge		kg	R32	R32	R32

Specifications subject to change without notice



Smart preheating



Smart Defrosting



Self cleaning



Self Diagnosis



Heating wire



Automatic Restart



Sleep Mode



Turbo Mode



Timer



Up/Down
Left/right oscillation



I Feel