

# GENERALLUX

## 20 SEER2 Elite series



Heats Down to



20 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 1.6 L/h to 3 L/h
- Sound level very low, close to whispering.

### Power supply :

115V, 60 Hz, 1 Phase.

### Available power levels :

12000, 18000 et 36000 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)



Smart preheating



Smart Defrosting



Self cleaning



Self Diagnosis



Heating wire



Automatic Restart



Sleep Mode



Turbo Mode



Timer



Up/Down  
Left/right oscillation



I Feel

# Technical specifications 20 SEER<sub>2</sub> Elite Series

20 SEER <sub>2</sub> ELITE SERIES			12000	18000	36000
Indoor Unit :			TSHG12E1S20NAR45I	TSHG18E2S20NAR45I	TSHG36E2S19NAR45I
Outdoor Unit :			TSHG12E1S20NAR45O	TSHG18E2S20NAR45O	TSHG36E2S19NAR45O
Reference code AHRI :			216765705	216765706	216765707
Power Supply	V/Hz/Ph		115V~/60Hz/1P	208/230V~/60Hz/1P	
Communication electrical connection			4 x 16 AWG	4 x 16 AWG	4 x 16 AWG
Minimum circuit amperage (MCA)	A		17	13	23
Maximum Overcurrent Protection (MOP)	A		25	20	35
<b>SYSTEM PERFORMANCE</b>					
Power	Cooling	BTU/h	12 000	18 000	36 000
	Heating	BTU/h	12 400	19 000	36 000
Power input	Cooling	W	1 050	1 700	3 850
	Heating	W	1 030	1 530	3 350
SEER 2		BTU/W <sup>h</sup>	20,0	19,5	19,0
EER 2		BTU/W <sup>h</sup>	11,0	10,00	9,0
HSPF 2 (Region IV)		BTU/W <sup>h</sup>	9,0	9,0	8,5
Maximum heating capacity (5 /-15 )		W/W	8 700	8 700	21,3
COP		W/W	3,41	3,41	3,01
Energy Star ®		—	NON	NON	NON
NEEP CANADA			OUI	OUI	OUI
<b>INDOOR UNIT SPECIFICATIONS</b>			<b>TSHG12E1S20NAR45I</b>	<b>TSHG18E2S20NAR45I</b>	<b>TSHG36E2S19NAR45I</b>
Dehumidification capacity	L/h		1,6	2,2	3
Air flow volume	m <sup>3</sup> /h (CFM)		520/450/380/300/240 (306/265/224/177/142)	1030/790/730 (606/465/430)	1440/1200/1000/800/700
Sound pressure level	dB(A)			49/47/42/37/32	52/49/43/38/36
Dimensions	Width	mm (po)	811 (31.92)	1010 (39.76)	1192 (46.93)
	Height	mm (po)	292 (11.49)	315 (12.40)	360 (14.17)
	Depth	mm (po)	205 (8.07)	220 (8.66)	260 (10.23)
Weight	Net	kg (lb)	9.0 (19.8)		18.0 (39.7)
<b>OUTDOOR UNIT SPECIFICATIONS</b>			<b>TSHG12E1S20NAR45O</b>	<b>TSHG18E2S20NAR45O</b>	<b>TSHG36E2S19NAR45O</b>
Ambient temperature	Air conditioning	C°/F°	-15~50/5~122	-15~50/5~122	-15~50/5~122
	Heating	C°/F°	-20~30/-4~86	-20~30/-4~86	-20~30/-4~86
Sound pressure level	dB(A)			56	63
Dimensions	Width	mm (po)	715 (28.14)	780 (30.71)	910(36)
	Height	mm (po)	498 (21-27/32)	555 (21.85)	800 (32)
	Depth	mm (po)	290 (11.42)	350 (13-25/32)	420 (17)
Weight	Net	kg (lb)	25.0 (55.1)	32.5 (71.7)	44.0 (97.0)
<b>REFRIGERATION SYSTEM</b>					
Suction line size	mm (po)		ø 9.52 (3/8)	ø 9.52 (3/8)	ø 15.88 (5/8)
Liquid line size	mm (po)		ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
Factory precharged pipe length	m (pi)		7.5 (24.6)	7.5 (24.6)	7.5 (24.6)
Maximum pipe length	m (pi)		15 (50)	20 (65)	30 (98)
Additional refrigerant charge	g/m, (oz/ft)		10 (0.11)	10 (0.11)	10 (0.11)
Maximum pipe elevation	m (pi)		10 (33)	15 (49)	20 (65)
Refrigerant type / Charge	kg		R454B	R454B	R454B

Specifications subject to change without notice

514-338-1616

6189 Marivaux, St-Léonard, H1P 3H6, Québec

www.generallux.ca