



# Comfort Solutions You Never Thought Possible

## HEATING TO -20°C AND BEYOND



LG ductless systems consist of three components:

- An inverter (variable-speed) outdoor unit
- A quiet, stylish indoor unit that delivers year-round comfort
- Refrigerant lines and wiring connect the units

This design allows for energy conservation by serving only those areas that need cooling or heating for maximum performance with Energy Star\* efficiency.

LG heat pumps aren't only for air conditioning, they're a great Canadian supplemental heating solution as well, with published performance to -20°C and continued operation beyond to provide your family with winter comfort.

\* LG241HSV2 not Energy Star qualified

## QUIET OPERATION

Indoor unit

40 dB  
Bird Calls

50 dB  
Conversation at Home

Noise Level Comparison (dB)

60 dB  
Conversation in restaurant

19 dB  
12,000 BTU Indoor Unit (Sleep Mode)

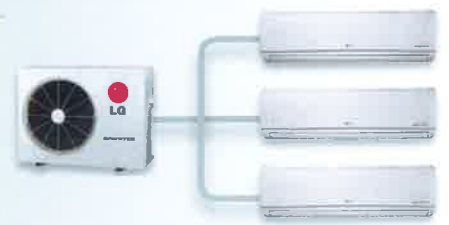
70 dB  
Vacuum cleaner

Comfort is many things... and quiet is one of them. LG prides itself on producing stylish and quiet comfort systems for your home.

The LG121HSV2 system operates at 23dB in low speed fan and when using LG's Sleep Mode feature (nighttime temperature setback mode), that drops down to 19dB. A library is typically 36dB and normal conversation at home is typically 50dB.

This is where Life's Good Moments begin!

## SINGLE OR MULTI ZONE COMFORT



With LG Flex Multi, the more rooms the better - this is your whole-house solution. Your contractor can connect your LG system to the main heating system in your home to use your new heat pump as primary heat and automatically use the main heating system as a backup when winter conditions require.

Flex Multi provides flexibility and ease of installation for a whole-house solution.



# LG BUILDER SERIES



**Supreme Energy Efficiency**

**INVERTER V Technology**

**Durability**

**GOLD Gold Fin**

**Health Care**

**Self-Cleaning Indoor Coil**

**Optimal Heating Device**

**Heating**

**Comfort**

**Jet Heat**

**Low Noise 25dB**

**Low Noise 25dB**

**Dehumidifying Mode**

**Dehumidifying Mode**

**Sleep Mode**

**Sleep Mode**

**Optimized Airflow**

**Jet Cool**

**4-way Auto Swing**

**4-way Auto Swing**

**Auto Restart**

**Auto Restart**

**Quick & Easy Installation**

**Duct Free Installation**

**Handheld Remote Controller**

**Handheld Remote Controller**

**Condensate Sensor Connection**

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**Built-in low ambient down to 14°F (Cooking)**

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PRODUCT LINE UP	SINGLE ZONE			MULTI ZONE			
System Unit Model Number	LG121HSV2	LG181HSV2	LG241HSV2				
Indoor Unit Model Number	LGN121HSV2	LGN181HSV2	LGN241HSV2	LSN090HSV4	LSN120HSV4	LSN180HSV4	
Outdoor Unit Model Number	LGU121HSV2	LGU181HSV2	LGU241HSV2	LMU24CHV			
Cooling Capacity Family (BTU/h) *				9,000	12,000	18,000	24,000
Heating Capacity Family (BTU/h) *				9,000	12,000	18,000	24,000
Rated Cooling Capacity (BTU/h) ** Indoor: 80°F(26.7°C) DB / 67°F(19.4°C) WB Outdoor: 95°F(35.0°C) DB / 75°F(23.9°C) WB	11,200	18,200	22,000				
Cooling Capacity Range (Min-Rated-Max)	1,023 - 11,200 - 13,785	3,070 - 18,200 - 29,515	3,070 - 22,000 - 30,030				
EER	12.5	12.58	10.78				
SEER	21.5	20.5	20				
Rated Heating Capacity (BTU/h) Indoor: 70°F(21.1°C) DB / 60°F(15.6°C) WB Outdoor: 47°F(8.3°C) DB / 43°F(6.1°C) WB	13,300	22,000	27,600				
Heating Capacity Range (Min-Rated-Max)	1,023 - 13,300 - 20,470	3,070 - 22,000 - 30,709	3,070 - 27,600 - 38,088				
COP	3.9	3.66	3.03				
HSPF (Region IV / Region V)	11.0 / 9.6	9.7 / 8.4	10.0 / 8.7				
Maximum Heating Capacity -8°C / % of rated	10,142 (76%)	17,318 (78%)	21,373 (77%)				
Maximum Heating Capacity -15°C / % of rated	8,535 (64%)	14,117 (64%)					
Maximum Heating Capacity -20°C / % of rated	8,287 (62%)	13,708 (62%)					
Indoor Airflow (CFM) Jet / Hi / Med / Low	423 / 353 / 272 / 191	735 / 622 / 509 / 399	735 / 622 / 509 / 399	423 / 353 / 272 / 191	423 / 353 / 272 / 191	735 / 622 / 509 / 399	
# Indoor Fan Speeds	4	4	4	4	4	4	
Indoor Unit Operating Range Cooling °C (°F)	18-30 (64-86)	18-30 (64-86)	18-30 (64-86)	18-30 (64-86)	18-30 (64-86)	18-30 (64-86)	
Indoor Unit Operating Range Heating °C (°F)	16-30 (60-86)	16-30 (60-86)	16-30 (60-86)	16-30 (60-86)	16-30 (60-86)	16-30 (60-86)	
Indoor Unit Sound Pressure dB(A) Hi / Med / Low / Sleep	39 / 33 / 23 / 19	45 / 40 / 35 / 29	45 / 40 / 35 / 29	39 / 33 / 23 / 19	39 / 33 / 23 / 19	45 / 40 / 35 / 29	
Outdoor Unit Sound Pressure dB(A) Max	45	53	53				
Power Supply (Phase / V / Hz)	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
MCA / MOP	10 / 15	19 / 25	19 / 30				
Indoor Unit Dimensions W x H x D (inch)	34 <sup>13</sup> / <sub>16</sub> x 11 <sup>1</sup> / <sub>4</sub> x 8 <sup>1</sup> / <sub>4</sub>	40 <sup>9</sup> / <sub>16</sub> x 12 <sup>13</sup> / <sub>16</sub> x 9 <sup>13</sup> / <sub>16</sub>	40 <sup>9</sup> / <sub>16</sub> x 12 <sup>13</sup> / <sub>16</sub> x 9 <sup>13</sup> / <sub>16</sub>	34 <sup>13</sup> / <sub>16</sub> x 11 <sup>1</sup> / <sub>4</sub> x 8 <sup>1</sup> / <sub>4</sub>	34 <sup>13</sup> / <sub>16</sub> x 11 <sup>1</sup> / <sub>4</sub> x 8 <sup>1</sup> / <sub>4</sub>	40 <sup>9</sup> / <sub>16</sub> x 12 <sup>13</sup> / <sub>16</sub> x 9 <sup>13</sup> / <sub>16</sub>	
Outdoor Unit Dimensions W x H x D (inch)	30 <sup>5</sup> / <sub>16</sub> x 21 <sup>1</sup> / <sub>2</sub> x 11 <sup>3</sup> / <sub>16</sub>	34 <sup>1</sup> / <sub>4</sub> x 31 <sup>1</sup> / <sub>2</sub> x 12 <sup>19</sup> / <sub>32</sub>	34 <sup>1</sup> / <sub>4</sub> x 31 <sup>1</sup> / <sub>2</sub> x 12 <sup>19</sup> / <sub>32</sub>				34 <sup>1</sup> / <sub>4</sub> x 25 <sup>25</sup> / <sub>32</sub> x 12 <sup>19</sup> / <sub>32</sub>
Lineset Sizes	1/4 & 3/8	3/8 & 1/2	3/8 & 1/2	1/4 & 3/8	1/4 & 3/8	3/8 & 1/2	1/4 & 3/8 x (3)
Warranty (Parts / Compressor)	1 year / 5 years	1 year / 5 years	1 year / 5 years	5 year / 7 years	5 year / 7 years	5 year / 7 years	5 year / 7 years

\* The combination of indoor and outdoor units should be determined so that the sum of indoor unit capacity index is smaller than the maximum combination capacity of the outdoor unit. Refer to the engineering manual combination table.  
 \*\* Multi Zone LMU24CHV efficiency will vary dependent upon the number and capacity of indoor units chosen. A range is given as the value. Refer to the engineering manual combination table.  
 \*\*\* LMU24CHV + (3) LSN090HSV4 produces a maximum heating capacity of 14,595 BTU/h at 21°C indoor / -18°C outdoor.  
 \*\*\*\* Capacity range shown for LMU24CHV + (2) LSN120HSV4

