



Benefits of Single-Zone Duct-Free Split Standard Inverter Systems

- Inverter technology
- Standard models available in 30,000 and 36,000 Btu/h capacities; Standard High Efficiency models available in 9,000, 12,000, 18,000, and 24,000 Btu/h capacities.
- All-season use—heat pump models for both cooling and heating capabilities
- Operating ranges for outdoor units of 14°F to 118°F (DB) for cooling; -4°F to 75°F (WB) for heating
- Operating ranges for indoor units of 64°F to 90°F (WB) for cooling; 60°F to 86°F (DB) for heating
- Quiet operation inside and out



About LG Electronics, Inc.

LG Electronics, Inc. is a global leader and technology innovator in consumer electronics, mobile communications, and home appliances, employing more than 213,000 people in more than 60 countries worldwide. LG's commercial air conditioning business unit was established in 1968, and offers VRF, Multi F, duct-free split systems, packaged terminal air conditioners (PTACs), and room air conditioners.

With LG, it's all possible.™

Standard Inverter

Single-Zone Duct-Free System

Duct-Free Split systems are comprised of two major components—indoor units and outdoor units—that are connected through refrigerant piping and power wiring / communications cable. These Inverter heat pump systems provide a smart alternative to both central HVAC and window-mounted air conditioners, and are available in a variety of configurations to suit different cooling and heating situations. Installation by a qualified HVAC contractor is safe and easy—little to no duct work or sheet metal is required.

Standard Inverter Split Systems

LG Standard Inverter Single-Zone Split systems include advanced technology for cost-effective, efficient operation. The Standard Inverter product line (HV3) is available in heat pump configurations with 30,000 and 36,000 Btu/h capacities—enough capacity to comfortably condition large rooms. All systems in the Standard Inverter High Efficiency heat pump line (HSV3) achieve Energy Star qualifications, and are available in 3/4, 1, 1-1/2, and 2 ton capacities. Both system types include a handheld remote controller with the indoor units; wired wall-mounted controller is available as a separate purchase. Also, the Inverter technology in these heat-pump duct-free systems ensures that optimum temperatures are maintained.



Inverter Technology

Inverter variable-speed split systems are measurably quieter and consume less energy than conventional air conditioners. The Inverter compressor ramps up or down to match the required room capacity and maintain the comfort level. When the selected temperature is reached, the Inverter compressor operates at low speed to maintain that comfort level, thereby using less energy.

Quality Commitment

LG is committed to the success of air-conditioning projects. We provide technical support during installation, and offer a variety of classes designed for installers and service providers. Classes are conducted at LG's training centers and in field locations at various times throughout the year and upon special request.

Standard Inverter Single-Zone Duct-Free Split Systems

LS091HSV3

9,000 Btu/h Cooling
10,800 Btu/h Heating



LS121HSV3

11,200 Btu/h Cooling
13,300 Btu/h Heating



LS181HSV3

18,200 Btu/h Cooling
22,000 Btu/h Heating

LS240HSV3

22,000 Btu/h Cooling
27,600 Btu/h Heating



LS307HV3

30,000 Btu/h Cooling
32,000 Btu/h Heating



LS360HV3

33,000 Btu/h Cooling
35,200 Btu/h Heating



Inverter



Features

- Inverter (Variable speed compressor)
- Gold Fin™ anti-corrosion
- Cooling / Heating / Fan modes
- Jet Cool / Jet Heat / Chaos Wind
- Four-way auto swing; Auto restart / changeover
- Built-in low ambient down to 14°F (Cooling)
- Condensate sensor connection
- 3M® HAF filters in the indoor units
- Includes handheld remote controller; wired wall-mounted controller available as an option (sold separately)

Warranty: Five (5) years parts; seven (7) years compressor.

System Type	Standard Inverter High Efficiency				Standard Inverter	
System Model Number	LS091HSV3	LS121HSV3	LS181HSV3	LS240HSV3	LS307HV3	LS360HV3
Indoor Unit Model Number	LSN091HSV3	LSN121HSV3	LSN181HSV3	LSN240HSV3	LSN307HV3	LSN360HV3
Outdoor Unit Model Number	LSU091HSV3	LSU121HSV3	LSU181HSV3	LSU240HSV3	LSU307HV3	LSU360HV3
Rated Cooling (Btu/h)	9,000	11,200	18,200	22,000	30,000	33,000
Rated Heating (Btu/h) (47°F [DB]/43°F [WB])	10,800	13,300	22,000	27,600	32,000	35,200
Rated Heating (Btu/h) (19°F [DB]/17°F [WB])	6,600	8,700	13,500	18,700	22,400	24,400
Maximum Heating (19°F [DB]/17°F [WB])	8,856	10,906	18,040	22,498	26,240	28,864
Maximum Heating (6°F [DB]/5°F [WB])	7,452	9,177	15,180	19,097	22,080	24,288
Maximum Heating (-3°F [DB] / -4°F [WB])	7,236	8,911	14,740	18,424	21,440	23,584
EER (at Rated Cooling Capacity)	13.3	12.5	12.6	12.5	10.0	8.2
SEER (at Rated Cooling Capacity)	21.5	21.5	20.5	20.0	18.0	16.1
HSPF (at Rated Heating 47°F [DB] / 43°F [WB])	11.0	11.0	9.7	10.2	9.5	9.9
Air Circulation	CFM (Max/H/M/L)	388/335/272/312	423/353/272/212	735/622/509/399	883/770/629/424	883/795/629/424
Fan Speeds		6 / 6 / 6	6 / 6 / 6	6 / 6 / 6	4 / 4 / 4	4 / 4 / 4
Dehumidification	pts. / hr.	2.6	3.0	5.5	6.0	10.6
Thermostat Range	Cooling (°F WB)	64 - 90	64 - 90	64 - 90	64 - 90	64 - 90
	Heating (°F DB)	60 - 86	60 - 86	60 - 86	60 - 86	60 - 86
Indoor Unit Sound Pressure Levels	dB(A) (H / M / L)	38 / 33 / 24	39 / 33 / 24	45 / 40 / 35	46 / 43 / 39	49 / 44 / 39
Outdoor Unit Sound Pressure Level	dB(A)	45	45	53	54	55
Power Supply (Outdoor and Indoor, 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
Indoor Unit Dimensions						
W x H x D	in.	34-13/16x11-1/4x8-1/4	40-9/16x12-13/16x9-11/16	47-19/32x13-5/8x8-1/16		
Net Unit Weight	lbs.	22.5	32	35.5		
Outdoor Unit Dimensions						
W x H x D	in.	30-5/16x21-1/2x11-5/16	34-1/4x31-1/2x12-19/32			
Net Unit Weight	lbs.	75	122.4	127.8		