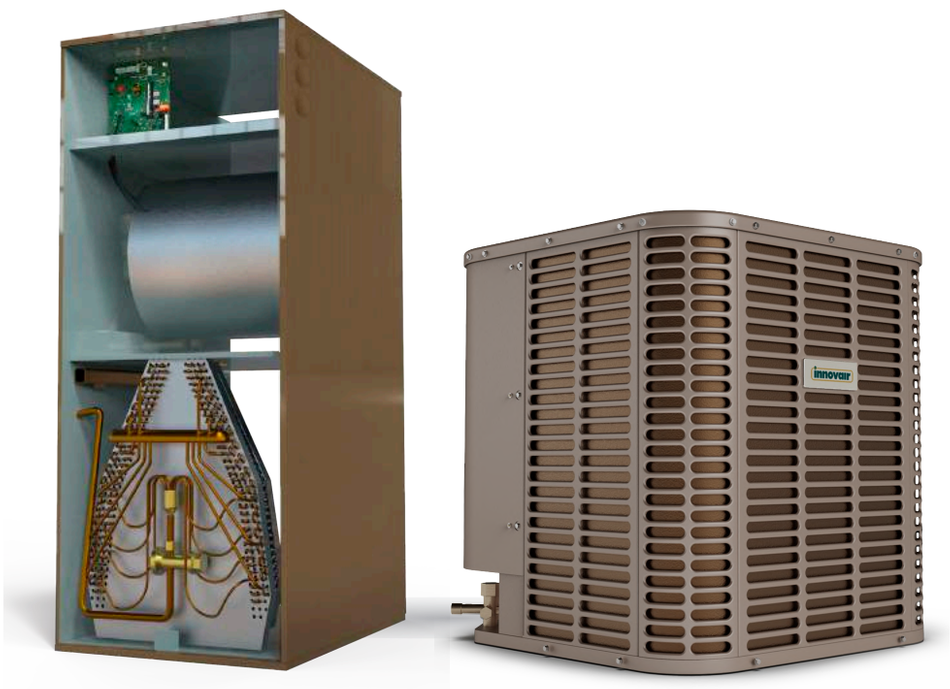
innovair® INVERTER™

18 SEER EFFICIENCY

GOLDTEC 18



- 18 SEER AHRI Certified
- Painted galvanized steel cabinet
- Louvered steel coil guard
- 24V Low voltage control
- Twin rotary DC compressor
- Copper tubing coil and enhanced aluminum fins
- Refrigerant pipeline cooling
- High and Low pressure protection
- Anti-corrosion Gold-Fin coil
- Heat - Pump condensing units

AHRI CERTIFIED www.ahridirectory.org Unitary Small AHRI Standard 210/240

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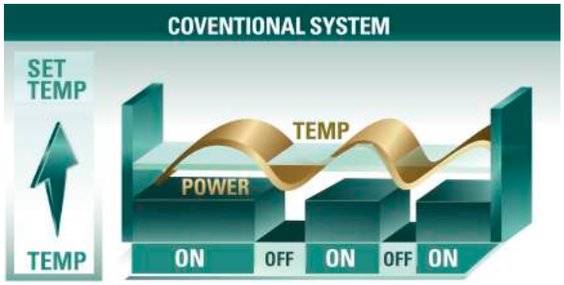
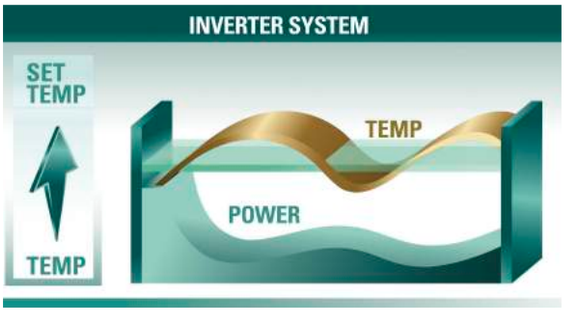




Why go Inverter?

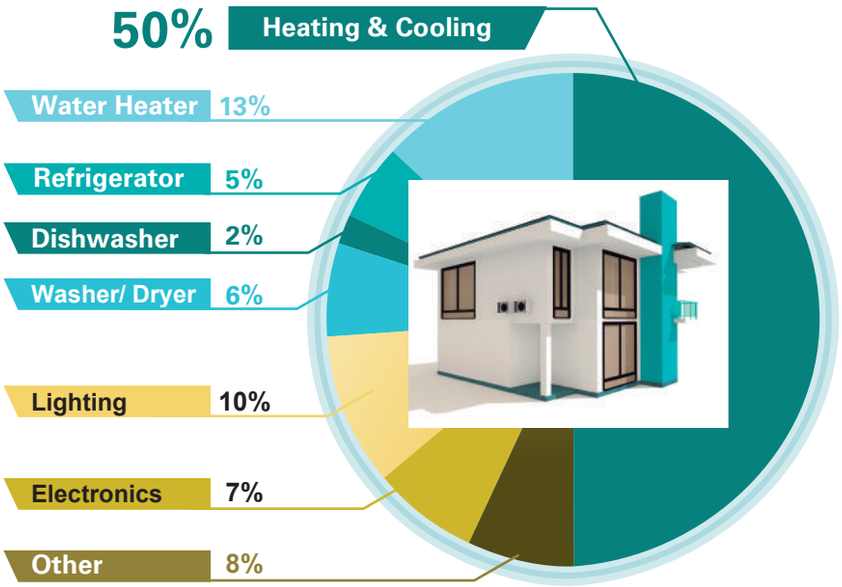
The key difference between an inverter and non-inverter air conditioner is that an inverter system can regulate the speed of its compressor and motor. Once the room is cool, inverter technology reduces the speed of the motor and refrigerant used to cool the area, thus saving on energy.

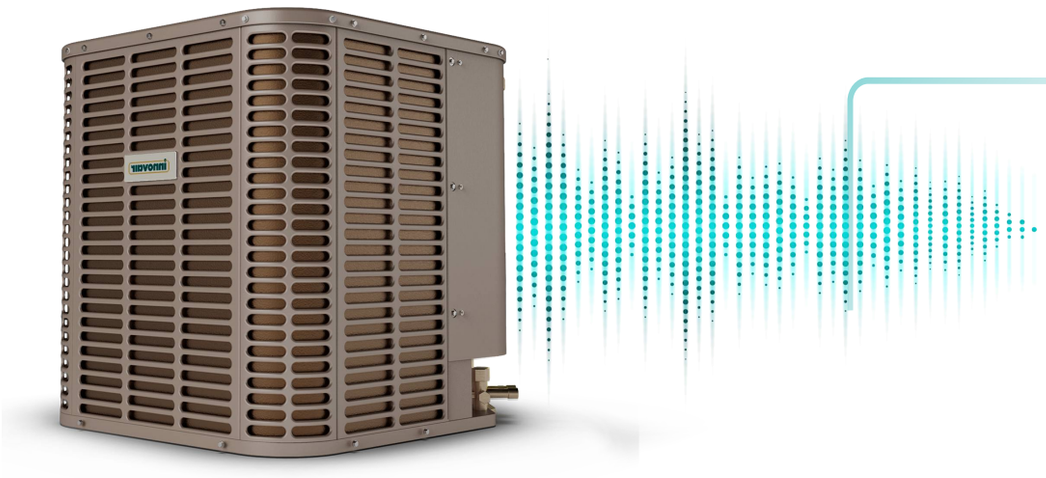
In comparison, non-inverter motors only runs at full speed. The motor runs at full speed and turns off once room temperature drops to the desired level. This repeated on-off process can produce unnecessary noise and consume more energy.

Where does your energy go?

As much as half of the energy used in your home goes to heating and cooling. Making a decision on your next air conditioning system can have a big effect on your utility bills, along with your comfort.

By investing in inverter technology, your long term savings can help pay back your initial investment!





A Quiet Option

With inverter technology, the indoor unit will continuously run at adjusted speeds, eliminating the loud start-up conventional air conditioning systems require.

This comfort will allow a flexible installation in areas that will not interrupt day-to-day activities with unnecessary noise pollution.

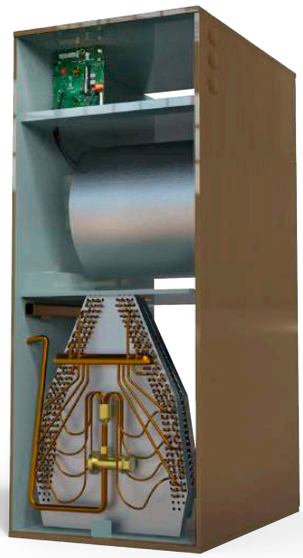
Saves up to 50% on your utility bill

Inverter technology can help save up to 50% when cosing a 18 SEER unit compared to a 10 SEER conventional unit.

Below conditions are comparing a 60,000 BTU unit in savings between 10 SEER and 18 SEER.

18 SEER Savings vs 10 SEER	Electric Rate ($/kWh)						
	$0.10	$0.15	$0.20	$0.25	$0.30	$0.35	$0.40
5 Year Savings	$3,957.00	$5,936.00	$7,914.00	$9,893.00	$11,871.00	$13,850.00	$15,828.00
10 Year Savings	$7,371.00	$11,056.00	$14,742.00	$18,427.00	$22,112.00	$25,798.00	$29,483.00

*Calculations based on operations of 3240 hours per year. Estimation based on mathematical equation. Results may vary.



Indoor Main Features

- Galvanized steel with paint on all panels. Thermal insulator cover all inside panels to reduce heat and cooling losses and prevent condensed water accumulation
- A" shape coils, constructed with copper tubing and enhanced aluminum fins
- Brushless DC motor with high energy efficiency and low noise.
- TXV Expansion device

Outdoor Main Features

- High Pressure and Low Pressure protection
- Pipe and Discharge Sensor protection
- Refrigerant pipeline cooling and fin cooling are used to cool electronic control board. Circuit temperature is more stable.
- Gold-Fin coils to help corrosion protection
- Moisture proof Control Board
- Thick-Sprayed metal cabinet

GOLDTEC 18 SPECIFICATIONS

OUTDOOR UNIT		VEA24H2R18	VEA36H2R18	VEA48H2R18	VEA60H2R18
CAPACITY (BTU/H)****	Nominal Cooling Only (Range) Nominal Heating (Range)	24,000 (16122~26204) 24,000 (11860~25000)	34,500 (16804~35901) 34,500 (18020~36290)	47,000 (22200~47810) 46,500 (21710~47960)	56,000 (22403~55820) 55,000 (26000~57810)
EFFICIENCY	SEER	17.5	17.5	17.5	17.5
	HSPF	9.5	9.0	9.5	9.5
ELECTRICAL	Voltage / Phase / Hertz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
	Voltaje Range (V)	187 / 253	187 / 253	187 / 253	187 / 253
	Rated Current (A)	7.6	8.6	19.7	23.2
	Min Current Ampacity (MCA)	14.0	19.0	25.0	29.0
	Max Over Protection (MOP)	20.0	30.0	40.0	50.0
TEMPERATURE OPERATION RANGE	(°F)***	5-118	5-118	5-118	5-118
SOUND LEVEL	dB(A)	61	62	64	65
REFRIGERANT CONNECTIONS	Liquid (in)	3/8	3/8	3/8	3/8
	Suction (in)	3/4	3/4	7/8	7/8
	Max Distance (ID to OD) (Ft)	100	100	100	100
	Max Height (ID to OD) (Ft)	50	50	50	50
NET DIMENSIONS	Width x Depth x Height (in)	29 ¼ x 29 ¼ x 25	29 ¼ x 29 ¼ x 25	29 ¼ x 29 ¼ x 32 ¾	29 ¼ x 29 ¼ x 32 ¾
NET WEIGHT	Unit (Lbs)	157	157	201	201

INDOOR UNIT		DHV24H2V18	DHV36H2V18	DHV48H2V18	DHV60H2V18
ELECTRICAL	Min Current Ampacity (MCA)	1.7	2.0	5.0	6.0
	Max Over Protection (MOP)	10.0	10.0	10.0	10.0
SOUND LEVEL	dB(A) (H/M/L)	48/46/43	50/48/45	58/55/53	61/59/57
AIR FLOW	CFM	780	1300	1500	1750
OPERATION TEMPERATURE	(°F)	62 ~ 86	62 ~ 86	62 ~ 86	62 ~ 86
NET DIMENSIONS	Width x Depth x Height (in)	19 ¾ x 22 x 45 ¾	19 ¾ x 22 x 45 ¾	22 x 24½ x 53 ¼	22 x 24½ x 53 ¼
NET WEIGHT	Unit (Lbs)	130	141	176	176

* Specifications are subject to changes without notice. ** Model numbers, pictures, and specifications of all products are subject to change without further notice. *** Operating temperatures: Cooling: 64~118°F / Heating: 5~109°F
****Capacities may vary when installing just the outdoor unit with a third party indoor side. When using the the heat-pump outdoor unit as cooling only make sure a TXV is installed on the indoor side. When using the heat-pump outdoor unit as a heat-pump, make sure a heat-pump TXV is installed on the indoor side.