

NAPOLEON

AIR CONDITIONERS

DUCTLESS HEAT PUMPS AND AIR CONDITIONERS



napoleonheatingandcooling.com





6 YEAR COMPRESSOR LIMITED WARRANTY †

6 YEAR PARTS LIMITED WARRANTY †

23 SEER INDUSTRY LEADING WARRANTY

† See specifications chart for warranties on other models.

CHOOSING DUCTLESS AIR CONDITIONERS AND HEAT PUMPS

Ductless heat pumps and air conditioners provide a cost effective alternative to installing a central air conditioning unit which requires ductwork. The most common need for a ductless unit is in retrofitted additions to houses, loft and office spaces, but are also ideal for newly enclosed spaces such as decks and garages. It can also be used for zone cooling for a particularly sunny room or perhaps a theatre room where electrical equipment may heat up the space. Whatever the space, ductless air conditioners install easily and add little cost increase to your main air conditioning system and are extremely cost effective and efficient if used as your sole air conditioning system. Napoleon's complete line of ductless split air conditioners range from 15 SEER to 24.4 SEER with heating/cooling and cooling only models, as well as a quad-zone series that operates up to four indoor units. New and improved features offer safe and reliable performance while taking every measure to ensure maximum comfort and convenience.

DC Inverter Compressor Motor

Napoleon's Ductless Split high efficiency compressor motor helps lower your energy bill and its quiet operation increases your home comfort and your peace of mind.

- Precise rotation control reduces noise level, vibration and energy consumption
- Improves operational efficiency up to 35% compared to conventional AC motors
- Improved motor windings provide greater efficiency
- Effective power limitation system saves energy and money
- High efficiency and smooth operation

DC Motor Chart

	AC fan motor	DC fan motor
Power consumption of indoor fan (W)	X	X-10
Power consumption of outdoor fan (W)	Y	Y-40
Cooling Capacity (BTU/hr)	≥ 35%	≥ 70%
Noise (dB(A))	Z	Z-1
Noise (dB(A))	V	Smaller than V
Protection class	IPX0	IPX4

* See specifications chart for specific models that are Energy Star rated.

Remote Control System

The remote control allows the positioning of the air handling unit to be high on a wall or suspended from a ceiling, without compromising convenience and puts you in full control. Functions such as the Auto Swing distributes the hot or cold air to the farthest reaches of your home just by the push of a button. Even check the temperature in your home without getting up to look at the thermostat. Convenience and comfort all at your finger tips.



- | | |
|---|--|
| 1. Temperature setting | 7. Temperature indicator shows set temperature |
| 2. On/Off | 8. Fan speed setting High/Med/Low |
| 3. Mode setting Auto/Cool/Dry/Heat/Fan | 9. Fan speed sets air rate |
| 4. Sleep mode | 10. Timer setting |
| 5. Swing controls the air distribution | 11. Turbo increases fan speed |
| 6. Vane control changes the direction of air movement | 12. LED display |

THE BENEFITS OF DUCTLESS MULTI-ZONE HEATING AND COOLING



Why a wall mount indoor head?

Napoleon's wall mounted ductless systems install easily and boast a sleek streamlined design that discretely hangs on a wall and blends into your living area. The units range in depth from 7" to 10.5" from the wall being extremely streamlined and unobtrusive to your space. Aside from aesthetic, wall mounted systems are a great alternative if you have one or more rooms with no windows or exterior walls.

Ranging in models from 15 to 24.4 SEER and single-zone to quad-zone operations, Napoleon® has a versatile range of wall mounted ductless systems designed to offer you optimum customized comfort while being energy efficient and cost effective.

Do you like your bedroom cooler than perhaps your living room or recreation area? Or does your company

have an equipment room that needs to be cooler than your office or boardroom? Ductless systems allow you to control the temperature and ultimately the comfort level of every room. Napoleon's quad-zone heating systems allow you to operate up to four indoor units all connected to one outdoor unit. That means you can customize up to four zones to whatever specific settings you desire. With up to 16 SEER wall mounted or ceiling cassette type models, Napoleon's quad-zone system is versatile to accommodate the specific needs of your home or building space.

Another benefit of multi-zone units is that if you have an addition to your home or an added room needing heating or cooling, you don't have to resort to a window unit which opens your home or office to being vulnerable to security issues, weather elements and intrusive insects.

From security to comfort, ductless multi-zone systems are the ideal efficient and cost effective solution.



Why a cassette style indoor model?

A cassette style ductless system operates just like a wall mount type with one outdoor unit operating one to quad-zone indoor units. The difference is the design of the indoor air handler. A cassette model is inserted into a ceiling rather than mounted externally on an interior wall, and it installs flush with the ceiling to ensure the most clean, streamlined finish.

DUCTLESS FEATURES



1. Air Filtration for a Healthy Environment
Formaldehyde filter helps clean volatile organic compounds (VOC's) and harmful gasses and odours. Consistently provides healthy air.



2. Improved Efficiency
A multi-bend evaporator within the indoor unit helps increase heat exchange surface, in turn improving efficiency.



3. Auto Restart
If the air conditioner turns off unexpectedly due to power failure, it will restart with the previous function setting automatically, once power is restored.



4. Quiet Operation
Fan speed is lowered to reduce noise without decreasing the airflow volume and capacity output.



5. Turbo Operation
The air conditioner will maximize the output of cooling or heating capacity and make the room heat up or cool down rapidly and attain the desired temperature in the shortest time.



6. Sleep Mode
Maintain energy savings and comfort in night operation. Automatically increases cooling or decreases heating 1° C (1.8° F) per hour for the first two hours and then maintains temperature for the next five hours until it shuts off.



7. Auto Swing
Distributes air to the farthest reaches of your home by automatically moving the blades.



8. Easy Clean Panel
Front panel of indoor unit is detachable for easy cleaning.



9. PTC Heating Belt
A heating belt is fitted on the base plate of the outdoor unit to avoid accumulation of rain, snow or water on the base plate. Outdoor unit must be installed 2 ft. above ground.



10. Two Way Piping Connection
The left and right sides of the indoor unit are equipped for connective piping and a drainage hose.



11. DC Inverter Compressor Motor
High efficiency for lower fuel bills. Superior utility operation drastically reduces noise.



12. Remote Control System
Controls all functions of the indoor unit.



13. LED Display
The flat panel LED display window illuminates the temperature for easy reading. It reads in Celsius or Fahrenheit.



14. Low ambient cooling
This allows the air conditioner to be used in outside temperatures as low as -15° C (34° F). *23 SEER models operate down to -25° C (-13° F).



15. Louver position memory function
Every time you turn the unit on it will automatically move the louvers to the same angled position you had set the time before.



16. Refrigeration leakage detection
This new technology sounds an alarm on the indoor unit when the outdoor unit detects an abnormal condition or refrigerant leakage.



17. Auto Defrosting
This feature prevents the evaporator from freezing and will prolong the life of the product and save energy.



18. Independent Dehumidification
Different from the cooling operation, the independent dehumidification mode efficiently removes humidity from the space without lowering the temperature.



19. Anti Cold Air Function
When the heat mode is started the fan speed is automatically regulated from the lowest level to the preset level according to the temperature rising of the evaporator. This prevents a blast of cold air being released upon start up.



20. Built In Drain Function
On Cassette models the built-in drain pump lifts the condensing water 750mm.



21. Follow Me
A temperature sensor is built-in the remote control so when you stay close to the remote, the unit will automatically change the operation mode to supply the desired temperature, just as if the unit is following you.



*May see reduced capacities depending on conditions. See manual for actual results.

SPECIFICATIONS

Indoor Ductless Wall and Cassette Models with Inverter Feature

Multi-Zone Indoor and Outdoor Models

	NC15-09F	NC15-12F	NC15-18F	NC15-24F	NLS9F-B	NLS12F-B	NLS18F-B	NLS24F-B	NH19-09F-B	NH19-12F-B	NH19-18F-B	NH19-24F-B	NH23-09F	NH23-12F	NH23-18F	NH23-24F	NCASSETTE12	NCASSETTE18	NMHI-09F	NMHI-12F	NMHI-18F	NMZO-30F-B	NMZO-36F-B	
Cooling Capacity (BTU/hr)	9,000	12,000	18,000	22,000	9,000	12,000	18,000	23,000	9,000	12,000	18,000	24,000	9,000	12,000	17,500	23,000	*12,000	*18,000	*9,000	*12,000	*18,000	*30,000	*36,000	
Heating Capacity (BTU/hr)	-	-	-	-	10,700	13,000	18,900	23,000	10,000	12,500	19,000	24,600	11,000	12,500	18,000	24,000	*13,000	*18,900	*10,000	*13,000	*19,000	*30,000	*39,000	
SEER	15	15	15	15	16.4	17.5	17.5	16	21.5	20	20	18	24.4	23	21	19	*16	*16	*16	*16	*16	*16	*16.5	
HSPF	-	-	-	-	9.2	9	8.2	7.8	9.6	9.6	9.6	9.6	10.5	10	9.5	9	9	8.2	7.8	8.8	9.2	9.0	9.0	
EER	9	9	9	9	12.2	12	12	9.2	14	12.5	12.5	12.5	15	13.5	12.5	12.5	12	12	12.4	12.1	12	7.5	8.9	
Dehumidify (L/h)	1	1.2	1.8	2.4	1	1.2	1.8	2.6	1	1.2	1.8	2.6	1	1.2	1.7	2.5	1.2	1.8	1	1.2	1.8	-	-	
Voltage	115/60	115/60	208-230/60	208-230/60	208-230/60	208-230/60	208-230/60	208-230/60	115/60	115/60	208-230/60	208-230/60	208-230/60	208-230/60	208-230/60	208-230/60	208-230/60	208-230/60	230/60	230/60	230/60	208-230/60	208-230/60	
Indoor Noise Level dB (A): H / M / L	39-35-28	39-35-29	42-39-31	49-45-39	41-37-31	42-40-36	50-45-42	50-48-46	41-37-33	40-38-36	49-46-43	51-48-45	43-37-27	43-38-28	47-40-31	50-45-40	51-46-40	51-46-40	37-32-27	37-32-27	42-37-34	-	-	
Outdoor Noise Level (dB(A))	~56	~55	~59	~60	~55	~54	~59	~60	~53	~55	~59	~62	~57	~57	~60	~60	~54	~59	~60	~65	~65	~63	~65	
Manufacturer Compressor Limited Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	6 years	6 years	6 years	6 years	-	-	-	-	5 years	5 years	
Maximum Pipe Length (ft./m)	82ft./25m	82ft./25m	98ft./30m	98ft./30m	82ft./25m	82ft./25m	98ft./30m	98ft./30m	82ft./25m	82ft./25m	98ft./30m	164ft./50m	82ft./25m	82ft./25m	98ft./30m	98ft./30m	65.6ft./20m	82ft./25m	† 82ft./25m	† 6682ft./25m	† 82ft./25m	† 82ft./25m	† 98ft./30m	
Maximum Elevation (ft./m)	33ft./10m	33ft./10m	66ft./20m	66ft./20m	33ft./10m	33ft./10m	66ft./20m	66ft./20m	33ft./10m	33ft./10m	66ft./20m	82ft./25m	33ft./10m	33ft./10m	66ft./20m	66ft./20m	26.2ft./8m	32.8ft./10m	† 49ft./15m	† 49ft./16m	† 49ft./17m	† 49ft./15m	† 49ft./15m	
Refrigeration Pipe Diameter (Liquid side/ Gas side) (in)	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8	1/4 / 1/2	3/8 / 5/8	1/4 / 3/8	1/4 / 1/2	1/4 / 1/2	1/4 / 3/8	1/4 / 3/8	
INDOOR DIMENSIONS																								
Width (in)	26.77	30.31	35.63	40.55	31.1	36.25	39.25	39.25	36.22	36.22	39.29	57.89	32.87	32.87	39	46.69	22.44	22.44	31.25	31.25	36.25	-	-	
Depth (in)	7.01	7.4	7.8	8.58	7.8	8.75	9.5	9.5	8.78	8.78	9.45	10.91	7.80	7.80	8.58	10	22.44	22.44	7.75	7.75	8.75	-	-	
Height (in)	10.04	10.04	10.83	12.4	10.5	11.5	12.68	12.68	11.5	11.5	12.68	13.39	11	11	12.40	13.39	10.24	10.24	10.5	10.5	11.5	-	-	
OUTDOOR DIMENSIONS																								
Width (in)	26	26	29.92	33.27	30	30	33.25	33.25	29.92	29.92	33.27	35.43	31.89	31.89	33.27	35.43	-	-	33.27	33.27	38.98	35.43	38.98	
Depth (in)	10.4	10.42	11.22	12.6	11.25	11.25	12.6	12.5	11.22	11.22	12.6	12.4	12.20	12.20	12.60	12.40	-	-	12.6	12.6	13.58	12.40	13.58	
Height (in)	21.3	21.3	23.23	27.56	23.25	23.25	27.56	27.5	23.23	23.23	27.56	33.86	22	22	27.56	33.86	-	-	27.56	27.56	37.99	33.86	37.99	
COMPARISON CHART																								
Remote control system	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Air filtration	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	-	-	
Improved efficiency	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	-	-	
Auto restart	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Turbo operation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	-	-	
Sleep mode	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Auto swing	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	-	-	
Easy clean panel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	-	-	
PTC heating belt	-	-	-	-	•	•	•	•	•	•	•	•	•	-	-	-	-	-	-	•	•	•	-	-
DC inverter	-	-	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
LED display	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	•	•	•	-	-	
Low ambient cooling	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Louver position memory function	•	•	•	•	-	-	-	-	-	-	-	-	•	•	•	•	-	-	-	-	-	-	-	
Refrigerant leakage detection	•	•	•	•	-	-	-	-	-	-	-	-	•	•	•	•	-	-	-	-	-	-	-	
Auto defrosting	-	-	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Independent dehumidification	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Anti-cold air function	-	-	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	-	-	
Built-in drain pump	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	•	-	-	-	-	-	
Follow Me	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	•	-	-	-	-	-	
Energy Star rated	-	-	-	-	•	•	•	-	•	•	•	•	•	•	•	•	-	-	-	-	-	-	-	

* Multi-zone units offer different indoor and outdoor models based on each room size and installation requirements. Please note BTU's, SEER ratings and dehumidifying levels will change depending on the models selected.

† NMHI and NMZO Series states max. refrigerant pipe length for one indoor unit. See installation manual for specifications on installing multiple indoor units.

Other Napoleon Products



Fireplace Inserts • Gas Furnaces • Gas Fireplaces • Mantels • Wood Stoves
Charcoal Grills • Electric Fireplaces • Outdoor Fireplaces • Gourmet Gas Grills

Authorized Dealer



24 Napoleon Road, Barrie, Ontario, Canada L4M 0G8
103 Miller Drive, Crittenden, Kentucky, USA 41030
7200 Trans Canada Highway, Montreal, Quebec, Canada H4T 1A3

Tel: 705-721-1212 Fax: 705-722-6031
napoleonheatingandcooling.com



All specifications and designs can change without notice to allow for on-going product improvement. Images may not be exactly as shown. Consult your owners manual for current information. Check all local and national building codes and gas regulations. Napoleon® is a registered trademark of Wolf Steel Ltd. © Wolf Steel Ltd.