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Napoleon NT16A042B Owner's Manual

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NAPOLEON



HIGH EFFICIENCY AIR CONDITIONERS
napoleonheatingandcooling.com



THINK DIFFERENT. THINK NAPOLEON.

Napoleon's central air conditioners boast quiet operation features and a natural taupe color to effortlessly blend into the landscape of your home.

Napoleon offers 13 SEER, 14 SEER and 16 SEER air conditioners, making it easy to find one to accommodate your home. Made with superior eco-friendly technology and design, Napoleon's central air conditioners meet all industry refrigerant standards. Each unit is backed with a 10 Year Limited Compressor warranty and 10 Year Parts warranty, as we guarantee home comfort and satisfaction throughout the summer seasons for years to come.

With a Napoleon air conditioner, you'll welcome hot summers.

That's Napoleon.



SWEPT FAN BLADE TECHNOLOGY

Napoleon air conditioners are made with modern fan blade technology. The unique swept shape of the blades make Napoleon air conditioners quiet as they efficiently provide increased air flow. With quality and longevity in mind, Napoleon's swept fan blades are made with aluminum or plated steel hub and embossed structural steel blades for long lasting durability.



Napoleon air conditioners use a 2 or 4 blade fan to meet the cooling needs of the unit - consult your HVAC contractor to know which unit best suits your home.



FILTER DRIER

Napoleon air conditioners are built to include the highest quality filter drier in the industry. A filter drier is an extremely beneficial component to your system. Working to remove unwanted acids, dirt, particle debris and other contaminants from the refrigerant, the filter drier extends the life of your air conditioning system.

Napoleon's central air conditioners use Emerson EK filter driers which are measurably superior to any other filter on the market. Rest assured knowing your air conditioner is built to meet Napoleon's highest quality standards.



ENVIRONMENTALLY RESPONSIBLE

Napoleon air conditioners are made with the environmentally conscious, chlorine-free refrigerant R-410A. Refrigerants are liquids that are housed within the coils of your air conditioner to cool and dehumidify your home.

By using a refrigerant that is chlorine-free, Napoleon air conditioners do not contribute to ozone depletion and offer higher SEER (Seasonal Energy Efficiency Ratio) ratings. In addition, R-410A refrigerant reduces power consumption and increases the durability of your compressor, extending the life of your Napoleon air conditioner.



INSTALLATION & MAINTENANCE

Napoleon air conditioners feature a permanently lubricated PSC - Permanent Split Capacitor motor that achieves prompt start up without excessive noise levels. To ensure fast and easy serviceability, the motor assembly is removable from the top of unit.

Service valves and refrigerant connections are located outside the cabinet for easy accessibility and electrical connections are accessible through a removable service panel.





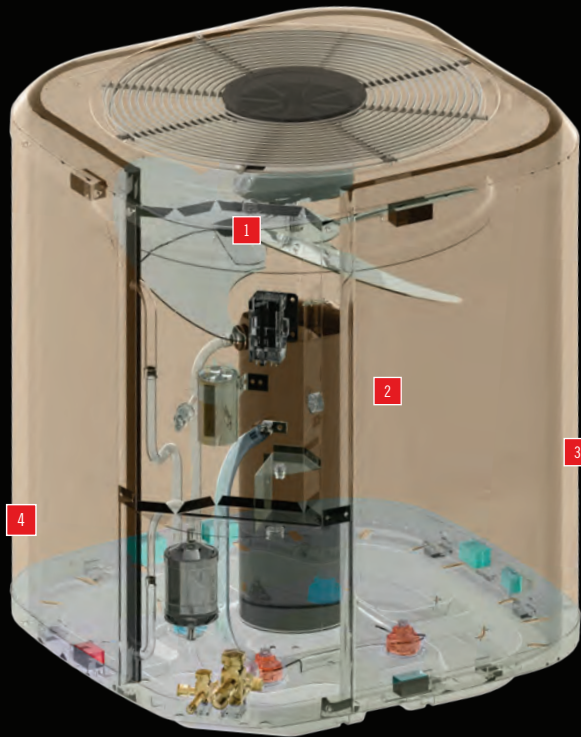
OUR DIFFERENCE IS IN THE DETAILS

4 WAYS TO COUNT ON THE BEST

10 YEAR | COMPRESSOR
LIMITED WARRANTY

10 YEAR | PARTS
LIMITED WARRANTY

*10 year when registered (5 year standard)



1 Swept Fan Blades

- Contoured blades provide quieter operation
- Produces efficient air flow
- Fans are made up of 4 or 2 fan blades to accommodate the cooling capacity of the unit

2 Scroll Compressor

- Industry leading **Copeland** scroll compressor
- Low vibration creates quieter operation
- Contains built-in enhanced temperature and pressure protection

3 Extruded Slot Side Panels

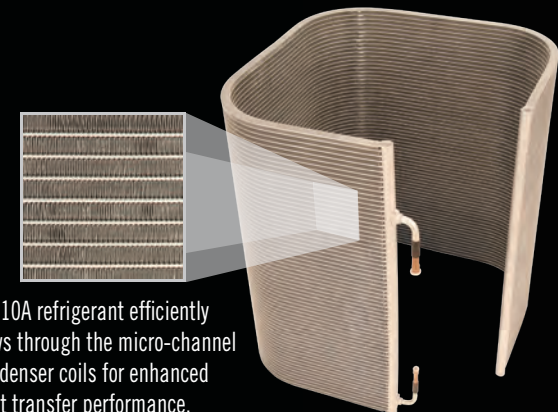
- Extruded slot side panels protect the inside of your Napoleon air conditioner while allowing the right amount of air flow
- Powder coated cabinet panels withstanding 1000 hours of salt spray testing

4 Micro-Channel Coils

- Coils are all-aluminum construction to last longer than those made with copper
 - Coils are more efficient and compact to allow for smaller air conditioner size
- *See warranty for details

ADVANCED MICRO-CHANNEL COIL TECHNOLOGY

Napoleon Air Conditioners are made with superior micro-channel condenser coils. Condenser coils wrap around the inside of your air conditioner and house the refrigerant. Napoleon's micro-channel condenser coils are compact, allowing for a smaller air conditioner size while using substantially less refrigerant. Napoleon micro-channel condenser coils are all aluminum, easy to maintain and will last longer than those made with copper.



R-410A refrigerant efficiently flows through the micro-channel condenser coils for enhanced heat transfer performance.

SPECIFICATIONS

COOLING CAPACITIES	NT13A018A	NT13A024A	NT13A030A	NT13A036A	NT13A042A	NT13A048A	NT13A060A
Nom Size	1.5 T	2.0 T	2.5 T	3.0 T	3.5 T	4.0 T	5.0 T
Capacity BTU/H	18,900	23,400	27,200	34,600	40,000	44,500	54,500
SEER	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Ref.	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Ref. Charge (oz) R-410A	61	64	67	74	94	97	106
Volt-Hz-Phase	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Compressor LRA (A)	48.0	58.3	64.0	79.0	112.0	109.0	134.0
Compressor RLA (A)	9.0	13.5	12.8	16.7	17.9	19.9	26.4
Fan Blade Dia/qty Blades	18"/4	18"/4	24"/2	24"/2	24"/2	24"/2	24"/2
Condenser Fan FLA/HP/RPM	0.7 1/8 / 1075	0.7 1/8 / 1075	0.8 1/6 / 850	0.8 1/6 / 850	0.8 1/6 / 850	0.8 1/6 / 850	1.1 1/5 / 850
MCA	12.0	17.6	16.8	21.7	23.2	25.7	34.1
Max Fuse/Breaker (A)	20	30	25	35	40	45	60
Liquid Line (in)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line (in)	3/4	3/4	3/4	3/4	7/8	7/8	7/8
DIMENSIONS	NT13A018A	NT13A024A	NT13A030A	NT13A036A	NT13A042A	NT13A048A	NT13A060A
Width (in)	24	24	29.5	29.5	29.5	29.5	29.5
Height (in)	27	27	27	27	38 7/8	38 7/8	47 3/4
Depth (in)	24	24	29.5	29.5	29.5	29.5	29.5

COOLING CAPACITIES	NT14A018A	NT14A024A	NT14A030A	NT14A036A	NT14A042A	NT14A048A	NT14A060A	NT16A018A	NT16A024A	NT16A030A	NT16A036A	NT16A042A	NT16A048A	NT16A060A
Nom Size	1.5 T	2.0 T	2.5 T	3.0 T	3.5 T	4.0 T	5.0 T	1.5 T	2.0 T	2.5 T	3.0 T	3.5 T	4.0 T	5.0 T
Capacity BTU/H	18,800	23,400	28,600	33,800	38,000	44,000	53,500	19,100	24,000	29,400	35,600	41,500	45,000	56,500
SEER	14.0	14.0	14.5	14.0	14.0	14.0	14.0	15.0	15.0	15.0	15.0	15.0	15.0	14.5
Ref.	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Ref. Charge (oz) R-410A	65	67	67	71	90	104	106	70	71	94	110	115	129	127
Volt-Hz-Phase	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Compressor LRA (A)	56.3	62.9	67.8	72.2	109.0	123.9	152.5	56.3	62.9	67.8	72.2	109.0	123.9	152.5
Compressor RLA (A)	9.0	10.9	12.8	14.1	16.7	17.0	23.7	9.0	10.9	12.8	14.1	16.7	17.0	23.7
Fan Blade Dia/qty Blades	18"/4	18"/4	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2	24"/2
Condenser Fan FLA/HP/RPM	0.7 1/8 / 1075	0.7 1/8 / 1075	0.8 1/6 / 850	0.8 1/6 / 850	0.8 1/6 / 850	0.8 1/6 / 850	1.1 1/5 / 850	0.65 1/8 / 850	0.65 1/8 / 850	0.8 1/6 / 850	0.8 1/6 / 850	0.8 1/6 / 850	1.1 1/5 / 850	1.1 1/5 / 850
MCA	12.0	14.3	16.8	18.4	21.7	22.1	30.7	11.9	14.3	16.8	18.4	21.7	22.4	30.7
Max Fuse/Breaker (A)	20	25	25	30	35	35	50	20	25	25	30	35	35	50
Liquid Line (in)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line (in)	3/4	3/4	3/4	3/4	7/8	7/8	7/8	3/4	3/4	3/4	3/4	7/8	7/8	7/8
DIMENSIONS	NT14A018A	NT14A024A	NT14A030A	NT14A036A	NT14A042A	NT14A048A	NT14A060A	NT16A018A	NT16A024A	NT16A030A	NT16A036A	NT16A042A	NT16A048A	NT16A060A
Width (in)	24	24	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
Height (in)	27	27	27	27	38 7/8	38 7/8	47 3/4	27	27	27	38 7/8	38 7/8	47 3/4	47 3/4
Depth (in)	24	24	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5



NAPOLEON - CELEBRATING OVER 40 YEARS OF HOME COMFORT PRODUCTS



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