

Technical Specifications



13, 14 & 16 SEER SPLIT SYSTEM AIR CONDITIONERS

Conforms to UL Standard 1995. Certified to CAN/CSA Standard C22.2 No.236.



- 13, 14 and 16 SEER efficiencies
- Capacities ranging from 1.5 tons to 5.0 tons
- Environmentally friendly R-410A refrigerant
- High Efficiency Copeland Scroll Compressors
- Micro-Channel Condenser
- Swept Fan Blades
- Permanently lubricated PSC motor
- Motor assembly is removable from top of unit
- Service valves and refrigerant connections are located outside the cabinet for easy accessibility and servicing
- Electrical connections are accessible through a removable service panel

FEATURES AND BENEFITS

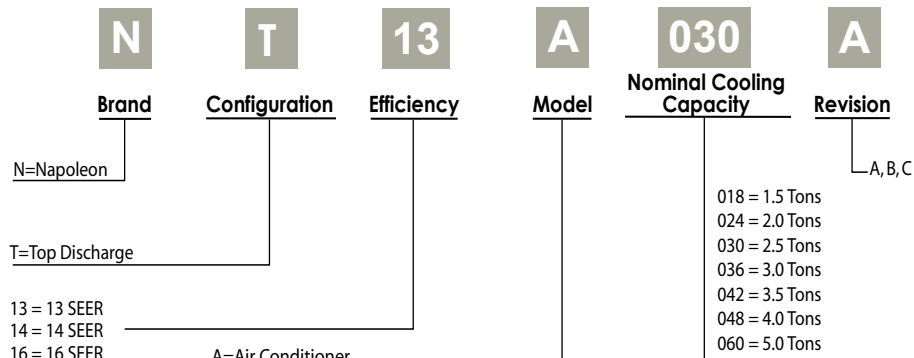
Advanced micro-channel coil technology

Napoleon Air Conditioners are made with superior micro-channel condenser coils that wrap around the inside of air conditioner and house the refrigerant. The coils are compact, allowing for a smaller air conditioner size while using substantially less refrigerant. The condenser coils are all aluminum, easy to maintain and are less susceptible to corrosion as are the bimetal tube and fin coils.

Environmentally Responsible

Napoleon air conditioners are made with the environmentally conscious, chlorine-free refrigerant R-410A. By using a refrigerant that is chlorine-free, Napoleon air conditioners do not contribute to ozone depletion.

NOMENCLATURE



COMPONENTS

1. SIDE PANELS

- Louvered (13 SEER) and slotted (14 SEER and 16 SEER) side panels protect the inside of Napoleon air conditioner while allowing the right amount of air flow
- Powder coated cabinet panels withstanding 1000 hours of salt spray testing

2. MICRO-CHANNEL COILS

- Compact all-aluminum coils allow for smaller air conditioner size

3. VENTURI

- Integral to the housing, a deep venturi is used in conjunction with the swept fan blade to provide more efficient air flow

4. SWEEP FAN BLADES

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

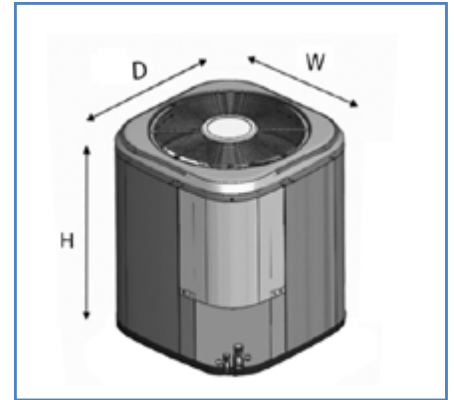
5. SCROLL COMPRESSOR

- Industry leading compressor brand
- Low vibration and quiet operation
- Contains built-in safety features



DIMENSIONS

NOM SIZE	MODEL	W (inch)	D (inch)	H (inch)	Weight (lb)
1.5 Tons	NT13A018A	24	24	27	150
2.0 Tons	NT13A024A	24	24	27	150
2.5 Tons	NT13A030A	29.5	29.5	27	180
3.0 Tons	NT13A036A	29.5	29.5	27	180
3.5 Tons	NT13A042A	29.5	29.5	38 7/8	230
4.0 Tons	NT13A048A	29.5	29.5	38 7/8	230
5.0 Tons	NT13A060A	29.5	29.5	47 3/4	250



13 SEER

ELECTRICAL

DESCRIPTION	1.5 Tons	2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons	4.0 Tons	5.0 Tons
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Ref Charge (oz) 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 rated	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

LINE SET

Charge based on 15 foot long line set.

LINE SIZES	1.5 Tons	2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons	4.0 Tons	5.0 Tons
Liquid Line	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "
Suction Line	3/4 "	3/4 "	3/4 "	3/4 "	7/8 "	7/8 "	7/8 "

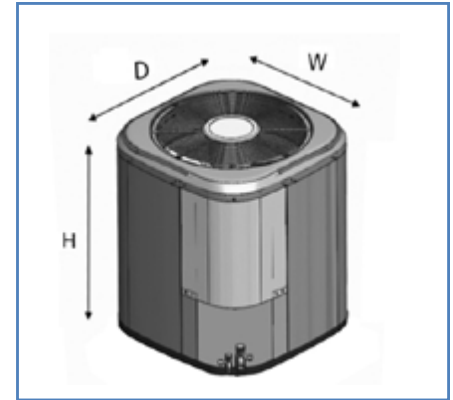
PERFORMANCE

NOM SIZE	MODEL	Capacity Btu/h	SEER	EER	SCFM Indoor Air Coil	Ref.	Weight (lb)
1.5 Tons	NT13A018A	18,900	13.0	11.8	600	410A	150
2.0 Tons	NT13A024A	23,400	13.0	11.4	725	410A	150
2.5 Tons	NT13A030A	27,200	13.0	11.6	1000	410A	180
3.0 Tons	NT13A036A	34,600	13.0	11.0	1170	410A	180
3.5 Tons	NT13A042A	40,000	13.0	12.2	1275	410A	230
4.0 Tons	NT13A048A	44,500	13.0	11.5	1450	410A	230
5.0 Tons	NT13A060A	54,500	13.0	11.1	1470	410A	250

14 SEER SPECIFICATIONS

DIMENSIONS

Nom. Size	MODEL	W (inch)	D (inch)	H (inch)	Weight (lb)
1.5 Tons	NT14A018A	24	24	27	150
2.0 Tons	NT14A024A	24	24	27	150
2.5 Tons	NT14A030A	29.5	29.5	27	180
3.0 Tons	NT14A036A	29.5	29.5	27	180
3.5 Tons	NT14A042A	29.5	29.5	38 7/8	230
4.0 Tons	NT14A048A	29.5	29.5	38 7/8	230
5.0 Tons	NT14A060A	29.5	29.5	47 3/4	250



14 SEER

ELECTRICAL

DESCRIPTION	1.5 Tons	2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons	4.0 Tons	5.0 Tons
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Ref Charge (oz) 410A	65	67	67	71	90	104	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)	56.3	62.9	67.8	72.2	109	123.9	152.5
Compressor RLA (A)	9.0	10.9	12.8	14.1	16.7	17	23.7
Fan Blade Dia. / qty blades	18" / 4	18" / 4	24" / 2	24" / 2	24" / 2	24" / 2	24" / 2
Condenser Fan FLA / HP / RPM rated	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	14.3	16.8	18.4	21.7	22.1	30.7
Max. Fuse/Breaker (A)	20	25	25	30	35	35	50

LINE SET

Charge based on 15 foot long line set.

LINE SIZES	1.5 Tons	2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons	4.0 Tons	5.0 Tons
Liquid Line	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "
Suction Line	3/4 "	3/4 "	3/4 "	3/4 "	7/8 "	7/8 "	7/8 "

PERFORMANCE

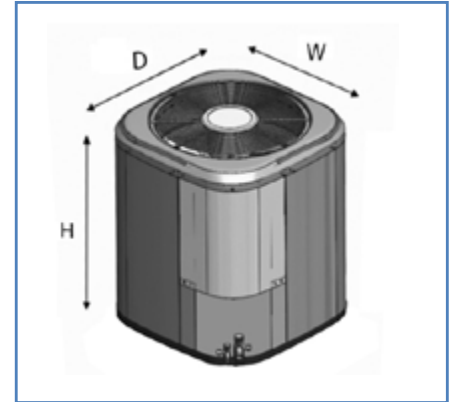
Nom. Size	MODEL	Capacity Btu/h	SEER	EER	SCFM Indoor Air Coil	Ref.	Weight (lb)
1.5 Tons	NT14A018A	18.800	14.0	12.0	600	410A	150
2.0 Tons	NT14A024A	23.400	14.0	12.0	775	410A	150
2.5 Tons	NT14A030A	28.600	14.5	12.2	1000	410A	180
3.0 Tons	NT14A036A	33.800	14.0	12.0	1100	410A	180
3.5 Tons	NT14A042A	38.000	14.0	11.5	1275	410A	230
4.0 Tons	NT14A048A	44.000	14.0	11.5	1575	410A	230
5.0 Tons	NT14A060A	53.500	14.0	11.5	1475	410A	250

*All specifications and designs can change without notice to allow for on-going improvements. Images may not be exactly as shown. Consult with your owner's manual for current information. Check all local and national building codes. Napoleon is a registered trade mark of Wolf Steel Ltd.

16 SEER SPECIFICATIONS

DIMENSIONS

Nom Size	MODEL	W (inch)	D (inch)	H (inch)	Weight (lb)
1.5 Tons	NT16A018A	29.5	29.5	27.0	180
2.0 Tons	NT16A024A	29.5	29.5	27.0	180
2.5 Tons	NT16A030A	29.5	29.5	27.0	180
3.0 Tons	NT16A036A	29.5	29.5	38 7/8	230
3.5 Tons	NT16A042A	29.5	29.5	38 7/8	230
4.0 Tons	NT16A048A	29.5	29.5	47 3/4	250
5.0 Tons	NT16A060A	29.5	29.5	47 3/4	250



16 SEER

ELECTRICAL

DESCRIPTION	1.5 Tons	2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons	4.0 Tons	5.0 Tons
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Ref Charge (oz) 410A	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
Compressor LRA (A)	56.3	62.9	67.8	72.2	109	123.9	152.5
Compressor RLA (A)	9.0	10.9	12.8	14.1	16.7	17	23.7
Fan Blade Dia. / qty blades	24" / 2	24" / 2	24" / 2	24" / 2	24" / 2	24" / 2	24" / 2
Condenser Fan FLA / HP / RPM rated	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	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

LINE SET

Charge based on 15 foot long line set.

LINE SIZES	1.5 Tons	2.0 Tons	2.5 Tons	3.0 Tons	3.5 Tons	4.0 Tons	5.0 Tons
Liquid Line	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "
Suction Line	3/4 "	3/4 "	3/4 "	3/4 "	7/8 "	7/8 "	7/8 "

PERFORMANCE

Nom Size	MODEL	Capacity Btu/h	SEER	EER	SCFM Indoor Air Coil	Ref.	Weight (lb)
1.5 Tons	NT16A018A	19.100	15.0	12.5	600	410A	180
2.0 Tons	NT16A024A	24.000	15.0	12.5	775	410A	180
2.5 Tons	NT16A030A	29.400	15.0	12.5	1000	410A	180
3.0 Tons	NT16A036A	35.600	15.0	12.5	1200	410A	230
3.5 Tons	NT16A042A	41.500	15.0	12.5	1350	410A	230
4.0 Tons	NT16A048A	45.000	15.0	12.5	1600	410A	250
5.0 Tons	NT16A060A	56.500	14.5	12.0	1750	410A	250



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