

Technical Specifications



13.4 & 14.3 SEER2 SPLIT SYSTEM AIR CONDITIONERS

Certified to CSA C22.2 No.60335-2-40:22

FEATURES AND BENEFITS



- 13.4 and 14.3 SEER2 efficiencies
- Capacities ranging from 1.5 tons to 5.0 tons.
- Environmentally friendly and low GWP R-454B refrigerant.
- High Efficiency 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.

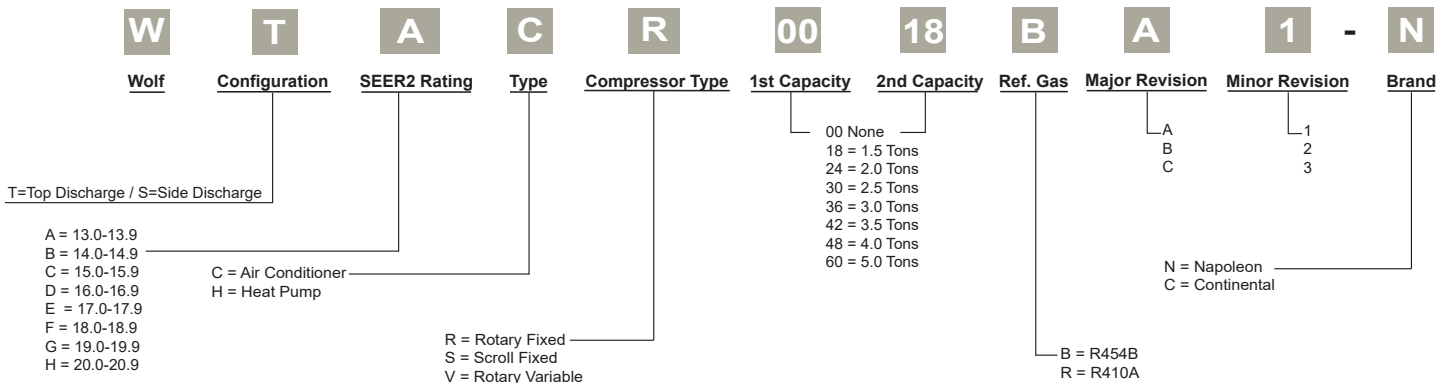
Advanced micro-channel coil technology

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 R-454B refrigerant. R-454B has a GWP of 466- a 75% reduction from R-410A. R-454B is a chlorine-free refrigerant so it does not contribute to ozone depletion.

NOMENCLATURE



COMPONENTS

1. SIDE PANELS

- Vertical extruded slots on the side panels protect the interior 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

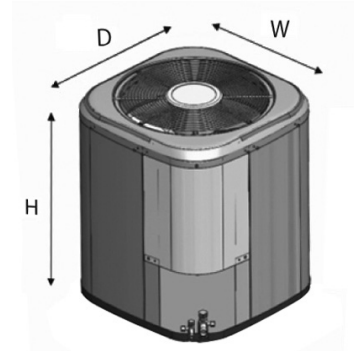
- Industry leading compressor brand.
- Low vibration and quiet operation.
- Contains built-in safety features.



13.4 SEER2 SPECIFICATIONS

DIMENSIONS

NOM SIZE	MODEL	W (INCH)	D (INCH)	H (INCH)	WEIGHT (LBS)
1.5 TONS	WTACS0018BA1	24	24	27	150
2.0 TONS	WTACS0024BA1				180
2.5 TONS	WTACS0030BA1	29 1/2	29 1/2		38 7/8
3.0 TONS	WTACS0036BA1			47 7/8	250
3.5 TONS	WTACS0042BA1				
4.0 TONS	WTACS0048BA1				
5.0 TONS	WTACS0060BA1				



13.4 SEER2

ELECTRICAL

DESCRIPTION	WTACS0018BA1	WTACS0024BA1	WTACS0030BA1	WTACS0036BA1	WTACS0042BA1	WTACS0048BA1	WTACS0060BA1
Compressor Type	Scroll						
Volt - Hz - Phase	208/230 - 60 - 1						
Compressor LRA (A)	45.1	60.2	67.8	82.5	109	123	143
Compressor RLA (A)	8.3	10.3	11.9	13.5	14.7	18.6	21.8
Fan BladeDia./qty blades	18" / 4		24" / 2				
Condenser Fan FLA/HP/RPM rated	0.7 / 1/8 / 1075		0.8 / 1/6 / 850				1.1 / 1/5 / 850
MCA	11.2	13.7	16.3	18.3	19.8	24.6	28.6
Max. Fuse/Breaker (A)	20		25	30		40	50

LINE SET

DESCRIPTION	WTACS0018BA1	WTACS0024BA1	WTACS0030BA1	WTACS0036BA1	WTACS0042BA1	WTACS0048BA1	WTACS0060BA1
Liquid Line	3/8"						
Suction Line	3/4"			7/8"			

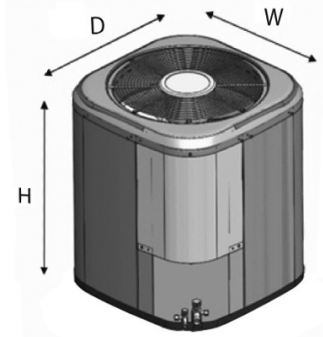
PERFORMANCE

NOM SIZE	MODEL	CAPACITY (BTU/H)	SEER2	EER2	SCFM Indoor Air Coil	REF.	REF. FACTORY CHARGE (OZ)	A-Weighted Sound Power Level dBA
1.5 TONS	WTACS0018BA1	18 600	13.4	11.0	600	R-454B	42.5	73.9
2.0 TONS	WTACS0024BA1	23 200			800		46.7	74.3
2.5 TONS	WTACS0030BA1	28 400			1000		57.3	73.9
3.0 TONS	WTACS0036BA1	33 800			1200		57.3	73.5
3.5 TONS	WTACS0042BA1	37 600			1275		63.5	73.5
4.0 TONS	WTACS0048BA1	43 500			1500		75.8	75.6
5.0 TONS	WTACS0060BA1	53 000			1650		84.6	77.0

14.3 SEER2 SPECIFICATIONS

DIMENSIONS

NOM SIZE	MODEL	W (INCH)	D (INCH)	H (INCH)	WEIGHT (LBS)
1.5 TONS	WTBCS0018BA1	29 1/2	29 1/2	27	180
2.0 TONS	WTBCS0024BA1				
2.5 TONS	WTBCS0030BA1				
3.0 TONS	WTBCS0036BA1			38 7/8	230
3.5 TONS	WTBCS0042BA1				
4.0 TONS	WTBCS0048BA1				
5.0 TONS	WTBCS0060BA1	47 7/8	250		



14.3 SEER2

ELECTRICAL

DESCRIPTION	WTBCS0018BA1	WTBCS0024BA1	WTBCS0030BA1	WTBCS0036BA1	WTBCS0042BA1	WTBCS0048BA1	WTBCS0060BA1
Compressor Type	Scroll						
Volt - Hz - Phase	208/230 - 60 - 1						
Compressor LRA (A)	45.1	60.2	67.8	82.5	109	123	143
Compressor RLA (A)	8.3	10.3	11.9	13.5	14.7	18.6	21.8
Fan BladeDia./qty blades	24" / 2						
Condenser Fan FLA/HP/RPM rated	0.8 / 1/5 / 1100					1.1 / 1/5 / 850	
MCA	11.8	14.3	16.3	18.3	19.8	24.6	28.6
Max. Fuse/Breaker (A)	20	20	25	30		40	50

LINE SET

DESCRIPTION	WTBCS0018BA1	WTBCS0024BA1	WTBCS0030BA1	WTBCS0036BA1	WTBCS0042BA1	WTBCS0048BA1	WTBCS0060BA1
Liquid Line	3/8"						
Suction Line	3/4"			7/8"			

PERFORMANCE

NOM SIZE	MODEL	CAPACITY (BTU/H)	SEER2	EER2	SCFM Indoor Air Coil	REF.	REF. FACTORY CHARGE (OZ)	A-Weighted Sound Power Level dBA
1.5 TONS	WTBCS0018BA1	18,900	14.3	11.7	600	R-454B	48.7	75.8
2.0 TONS	WTBCS0024BA1	23,800			775		52	73.5
2.5 TONS	WTBCS0030BA1	29,200			1000		58.4	73.9
3.0 TONS	WTBCS0036BA1	35,200			1200		71.4	73.5
3.5 TONS	WTBCS0042BA1	41,000			1350		78.5	73.5
4.0 TONS	WTBCS0048BA1	45,000	13.8	11.5	1600	100	75.0	
5.0 TONS	WTBCS0060BA1	56,000			1650	100	75.5	

NOTE:

ALL NAPOLEON AIR CONDITIONERS SHALL BE INSTALLED WITH PROPERLY MATCHED SYSTEM COMPONENTS LISTED ON AHRI DIRECTORY.



24 Napoleon Road, Barrie, Ontario, Canada L4M 0G8

PHONE: 866-820-8686
Website: www.napoleon.com
General: hvac@napoleon.com
Technical inquiries: hvacsupport@napoleon.com



Quality System Certified To
ISO
9001-2015

