



GE APPLIANCES

Product Specifications

NB14A
SINGLE STAGE SPLIT
SYSTEM AIR CONDITIONER -
R454B



Contact GE Appliances at:

Homeowner: **GEAppliances.com**
HVAC Pro: **GEAppliancesAirandWater.com**
or
866.814.3633

Split System USAC and USHP matches:
AHRIDirectory.org

**READ CAREFULLY.
KEEP THESE INSTRUCTIONS.**

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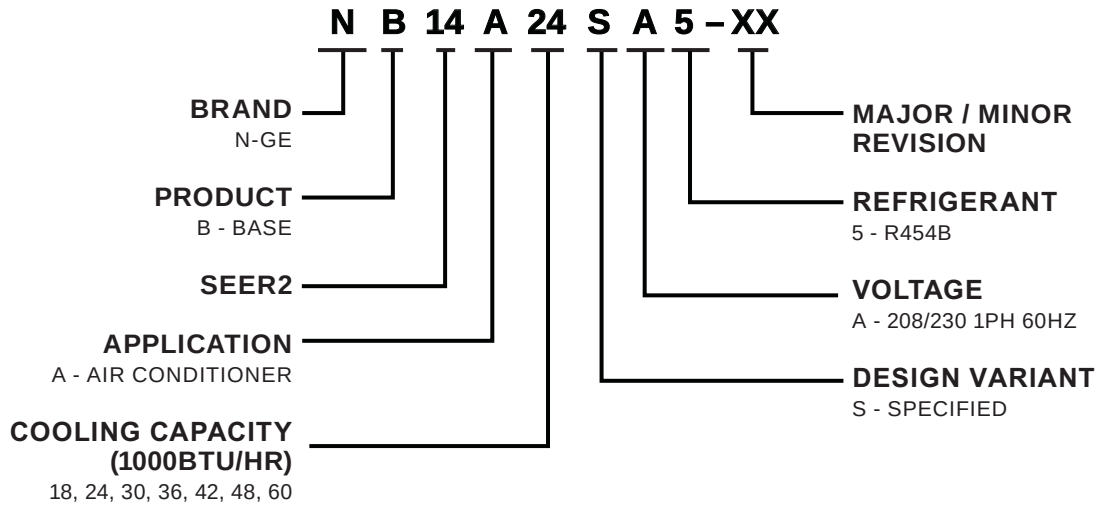
Form Number BAB714S-100 | March 2026
Supersedes all previous versions

31-5001241 Rev. 0 04-26

NB14A

PRODUCT SPECIFICATIONS

MODEL NUMBER GUIDE



APPROVALS

- AHRI Standard 210/240-2023 certified
- AHRI Certified system match-ups and expanded ratings, visit **AHRIDirectory.org**
- Sound rated to AHRI Standard 270-2008 test conditions
- Rated According to U.S. Department of Energy (DOE) test procedures
- Region specific models meet the minimum efficiency requirements for U.S. DOE Federal Regional Standards in that area
- Unit and components ETL, NEC and CEC bonded for grounding to meet safety standards for servicing
- ETL certified (U.S. and Canada)
- ISO 9001 Registered Manufacturing Quality System

APPLICATIONS

- 1.5 through 5 tons
- Sound levels as low as 73 dBA
- Single-phase power supply
- Vertical air discharge
- Applicable to indoor air handlers or gas furnaces with indoor add-on coils
- Shipped completely factory assembled, piped and wired
- Factory test operated

REFRIGERATION SYSTEM**R-454B Refrigerant**

- Low GWP (Global Warming Potential)
- Zero ODP (Ozone Depletion Potential)
- Unit is factory pre-charged

Outdoor Coil Fan

- Direct drive fan
- Vertical air discharge
- Totally enclosed fan motor
- Ball bearings
- Inherently protected
- Motor rain shield

Coils

- Proprietary design
- Enhanced aluminum alloy tube/enhanced fin coil
- Superior corrosion resistance
- Ripple-edged aluminum fins
- Aluminum tube construction
- Lanced fins for maximum fin surface exposure
- Fin collars grip tubing for maximum contact area
- Flared shoulder tubing connections
- Factory tested under high pressure
- Entire coil is accessible for cleaning

REFRIGERATION SYSTEM (Continued)**High Capacity Liquid Line Drier**

- Furnished with unit for field installation
- Traps any moisture or dirt that could contaminate the refrigerant system
- 100% molecular-sieve, bead type, drier

High Pressure Switch

- Protects the system from high pressure conditions that can be a result of fan failure or a blocked/dirty coil
- Manual reset

Low Pressure Switch

- Shuts off unit if suction pressure falls below setting
- Provides loss of charge and freeze-up protection
- Automatic reset

Optional Accessories**Expansion Valve Kits**

- Factory installed with R-454B on all Indoor units
- See TXV Usage table
- Chatleff-style fitting

Freezestat

- Senses suction line temperature
- Cycles compressor off when suction line temperature falls below freezestat setpoint
- Opens at 29°F and closes at 58°F
- Installs on or near the discharge line of the evaporator or on the suction line

Loss of Charge Switch Kit

- Protects compressor from damage from low refrigerant charge conditions
- SPST, normally-closed
- Automatic reset

INDOOR REFRIGERANT DETECTION SYSTEM (RDS)

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Factory or field installed on all indoor units
- Consists of a RDS refrigerant detection sensor and an independent RDS control
- If refrigerant is detected the refrigerant detection system will prevent compressor and heating operation until refrigerant is no longer detected
- Refrigeration detection system also energizes the blower if refrigerant is detected to dissipate any concentrations of refrigerant from the space
- Refer to indoor unit Product Specifications documents for additional details

COMPRESSOR**Single-Stage Scroll Compressor**

- High volumetric efficiency
- Uniform suction flow
- Constant discharge flow
- High efficiency
- Quiet operation
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Muffler in discharge line reduces operating sound levels
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation

COMPRESSOR (Continued)**Compressor Crankcase Heater
(042, 048, and 060 Models)**

- Prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication

Optional Accessories**Compressor Crankcase Heater
(018, 024, 030, 036 Models)**

- Prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication

Compressor Sound Cover

- Polymer outer shell
- 1/2 inch thick polyester fiber insulation
- All open edges are sealed with a one-inch wide hook and loop fastening tape

Compressor Hard Start Kit

- Single-phase units are equipped with a PSC compressor motor
- This type of motor normally does not need a potential relay and start capacitor
- For conditions such as low voltage, kit may be required to increase the compressor starting torque

Compressor Low Ambient Cut-Off Switch

- Non-adjustable switch (low ambient cut-out)
- Prevents compressor operation when outdoor temperature is below 35°F

Indoor Blower Off Delay Relay

- Delays the indoor blower-off time during the cooling cycle

Low Ambient Kit

- Air conditioners can operate down to 45°F outdoor air temperature without additional controls
- Allows unit to operate properly down to 30°F

NOTE - Crankcase heater and freezestat should be installed on compressors equipped with a low ambient kit.

NOTE - A compressor lock-out thermostat should be added to terminate compressor operation below recommended operation conditions.

CABINET

- Heavy gauge steel construction
- Pre-painted cabinet finish
- Control box is conveniently located with all controls factory wired
- Corner patch plate allows access to compressor components
- Drainage holes are provided in base section for moisture removal

Refrigerant Line Connections, Electrical Inlets, Service Valves

- Sweat connection suction and liquid lines
- Located on corner of unit cabinet
- Suction valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system
- Refrigerant line connections and field wiring inlets are located in one central area of the cabinet
- See dimension drawing

Braze-Free/Press Fitting Flexibility

- Units can accommodate braze-free or press fittings for installation versatility

SPECIFICATIONS						
Size			018	024	030	036
Nominal Tonnage			1.5	2	2.5	3
Sound Rating Number		dBa	73	75	76	
Connections (Sweat)		Liquid line (OD) - in.	3/8			
		Suction line (OD) - in.	3/4			7/8
Compressor Type			1-Stage Scroll			
Refrigerant Type		¹ R-454B charge furnished @ 15 FT	4 lbs. 14 oz.		5 lbs. 10 oz.	6 lbs. 13 oz.
		¹ R-454B charge furnished @ 30 FT	5 lbs. 7 oz.		6 lbs. 13 oz.	7 lbs. 6 oz.
Indoor Unit Expansion Valve (TXV)			26Z70			
Outdoor Coil	Net face area - ft. ²	Outer coil	16.33	21.00	16.33	21.00
		Inner coil	--	--	15.75	20.25
		Tube diameter - in.	5/16			
		Rows	1		2	
		Fins - in	26		22	
Outdoor Fan	HP		1/8			1/6
	Diameter - in.		22			
	Blades		2	3		
	Cfm		2610	2990	2820	3040
	Rpm		825			
	Watts		160			190
Shipping Data - lbs.			155	170	180	200
ELECTRICAL DATA						
Line voltage data (Volts-Phase-Hz)			208/230-1-60			
² Maximum overcurrent protection (MOCP) amps (unit)			15	20	25	30
³ Minimum circuit ampacity (MCA) (unit)			11.2	13.6	16.6	21.8
Compressor		Rated load amps	8.3	10.3	12.7	16.7
		Locked rotor amps	45	60.2	75.6	93.5
Fan Motor		Full load amps	0.74			1.0
		Locked rotor amps	1.65			1.9

OPTIONAL ACCESSORIES - ORDER SEPARATELY						
Accessory		Part No.	018	024	030	036
Compressor Crankcase Heater	Copland	27V63	•	•	•	•
	LG	27U16	•	•	•	•
Compressor Hard Start Kit	Copland	63W22	•			
		10J42		•	•	•
	LG	10J42	•	•	•	•
		88M91				
Compressor Low Ambient Cut-Off Switch	47J24		•	•	•	•
Compressor Timed-Off Control	47J35		•	•	•	•
Freezestat - 3/8 in.	93G35		•	•	•	•
Indoor Blower Off Delay Relay	58M81		•	•	•	•
Loss of Charge Switch Kit	84M23		•	•	•	•
⁴ Low Ambient Kit (Fan Cycling)	34M72		•	•	•	•

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.

¹ Refrigerant charge is sufficient for 15 or 30 feet of refrigerant line depending on factory charge amount. For longer line set requirements see the Installation Instructions for information about line set length and additional refrigerant charge required.

² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁴ Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

SPECIFICATIONS					
Size			042	048	060
Nominal Tonnage			3.5	4	5
Sound Rating Number		dBa	76	78	80
Connections (Sweat)		Liquid line (OD) - in.	3/8		
		Suction line (OD) - in.	7/8		1-1/8
Compressor Type			1-Stage Scroll		
Refrigerant Type		¹ R-454B charge furnished @ 15 FT	7 lbs. 2 oz.	8 lbs. 14 oz.	
		¹ R-454B charge furnished @ 30 FT	7 lbs. 11 oz.	9 lbs. 7 oz.	
Indoor Unit Expansion Valve (TXV)			26Z71		26Z72
Outdoor Coil	Net face area - ft. ²	Outer coil	22.17	24.93	29.09
		Inner coil	21.33	24.13	28.16
	Tube diameter - in.		5/16		
	Rows		2		
	Fins - in			22	
Outdoor Fan	HP		1/4		
	Diameter - in.		26	22	26
	Blades		3	4	
	Cfm		4060	3700	4180
	Rpm		825		
	Watts		260	290	
Shipping Data - lbs.			225	235	260
ELECTRICAL DATA					
Line voltage data (Volts-Phase-Hz)			208/230-1-60		
² Maximum overcurrent protection (MOCP) amps (unit)			35	45	50
³ Minimum circuit ampacity (MCA) (unit)			23.2	29.7	31.2
Compressor		Rated load amps	17.3	22.4	23.7
		Locked rotor amps	123	126	157
Fan Motor		Full load amps	1.56	1.7	1.56
		Locked rotor amps	3.2		

OPTIONAL ACCESSORIES - ORDER SEPARATELY					
Accessory		Part No.	042	048	060
Compressor Crankcase Heater	Copland	27V63	Factory Installed		
	LG	27U16			
Compressor Hard Start Kit	Copland	63W22			
		10J42	●	●	●
	LG	10J42	●		
		88M91		●	●
Compressor Low Ambient Cut-Off Switch		47J27	●	●	●
Compressor Timed-Off Control		47J35	●	●	●
Freezestat	3/8 in	93G35	●	●	●
Indoor Blower Off Delay Relay		58M81	●	●	●
Loss of Charge Switch Kit		84M23	●	●	●
⁴ Low Ambient Kit (Fan Cycling)		34M72	●	●	●

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.

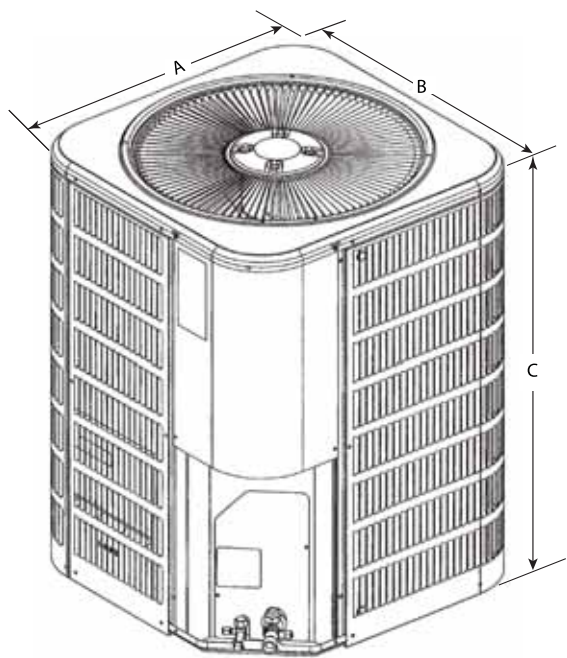
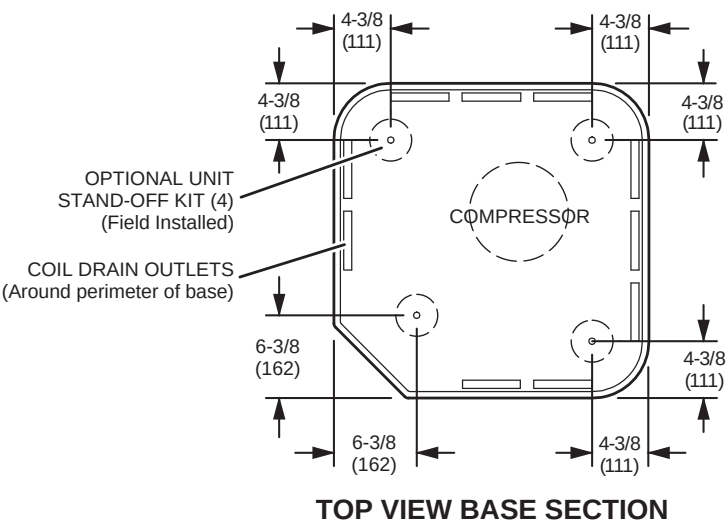
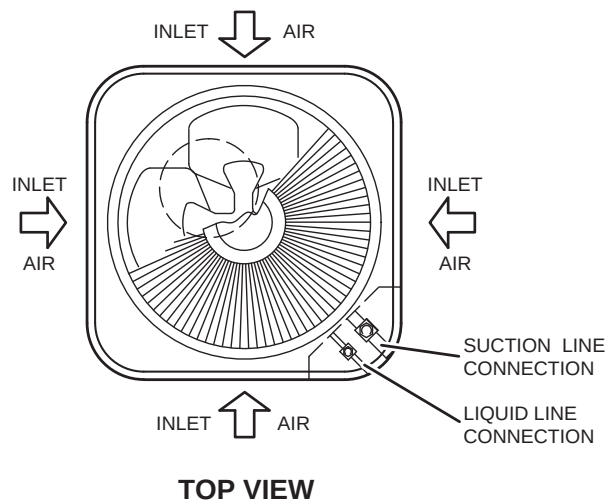
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² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁴ Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

DIMENSIONS - UNIT



Size	A, B Width and Depth		C Height	
	In.	mm	in.	mm
018	28-1/4	718	29-1/4	743
024	28-1/4	718	37-1/4	946
030	28-1/4	718	29-1/4	743
036	28-1/4	718	37-1/4	946
042	32-1/4	819	33-1/4	845
048	28-1/4	718	43-1/4	1099
060	32-1/4	819	43-1/4	1099

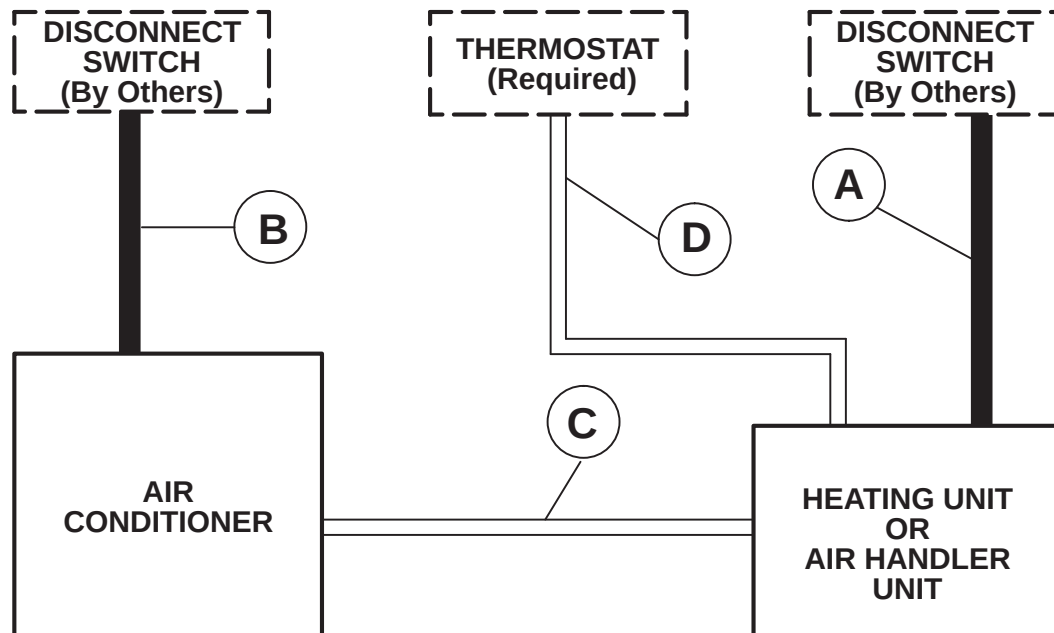
EXPANDED SOUND DATA

Size	Octave Band Sound Power Levels dBA, re 10 ⁻¹² Watts Center Frequency - HZ							¹ Sound Rating Number (dBA)	² Estimated Sound Pressure Level at Distance From Unit (dBA at distance in ft.)				
	125	250	500	1000	2000	4000	8000		3	5	10	15	50
018	55.5	64.5	69	67.5	65	61	56	73	66	61	55	52	41
024	61.5	64	70	69.5	66	62.5	54.5	75	68	63	57	54	43
030	60	67	72	70.5	67.5	62.5	56	76	69	64	58	55	44
036	58	67.5	72.5	71.5	66.5	62	54.5	76	69	64	58	55	44
042	59.5	67.5	71.5	70	69	63.5	57.5	76	69	64	58	55	44
048	60	70.5	73.5	72.5	70.5	67	60.5	78	71	66	60	57	46
060	63.5	69.5	75	75	73	68	62.5	80	73	68	62	59	48

NOTE - the octave sound power data does not include tonal correction.

¹ Tested according to AHRI Standard 270-2008 test conditions.

² Estimated sound pressure level at distance based on AHRI Standard 275-2010 method for equipment located on the ground, roof, or on side of building wall with no adjacent reflective surface within 9.8 feet. Sound pressure levels will increase based on changes to assumptions. For other applications, refer to AHRI Standard 275.

FIELD WIRING

A - Two Wire Power (not furnished). See Indoor Unit Electrical Data

B - Two Wire Power (not furnished). See Electrical Data

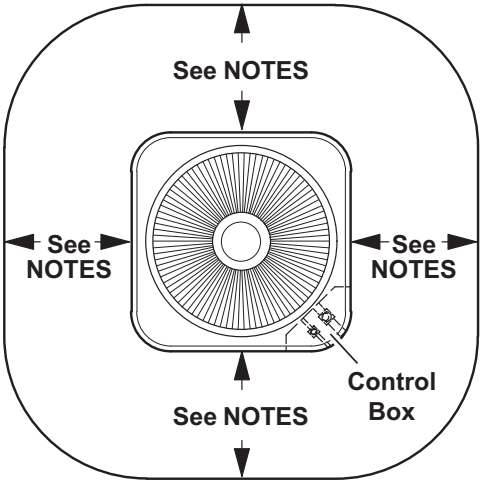
C - Four Wire Low Voltage (not furnished). 18 ga. minimum

D - Five Wire Low Voltage (not furnished). 18 ga. minimum

All wiring must conform to NEC or CEC and local electrical codes.

INSTALLATION CLEARANCES

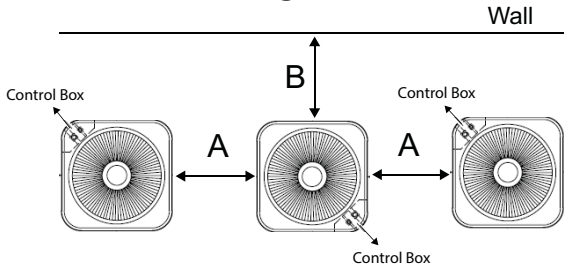
Clearance for Single-Unit Installation



- Single-Unit Installation Notes:**
- Service Clearance – 24 in. (610 mm) on one of the sides adjacent to the Control Box.
 - One of other three sides must be 36 in. (914 mm).
 - One of the two remaining sides may be 12 in. (305 mm).
 - The remaining side may be 6 in. (152 mm).
 - 48 in. (1219 mm) clearance required on top of unit

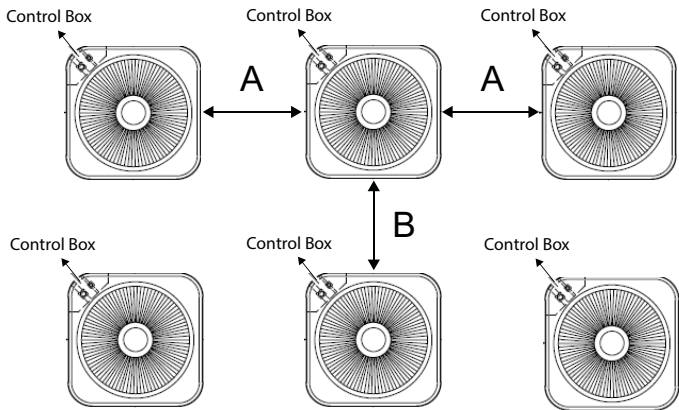
Clearance for Multi-Unit Installation

Single Row



Required Minimum Clearances	A	B
	12 in. (305 mm) [18 in. (457 mm) recommended]	12 in. (305 mm)

Multiple Row



Required Minimum Clearances	A	B
	12 in. (305 mm) [18 in. (457 mm) recommended]	24 in. (610 mm)

- Multi-Unit Installation Notes:**
- Recommended service clearance of 24 in. (610 mm) on one side.
 - In all cases 48 in. (1219 mm) clearance required on top of the unit.

TXV USAGE

All GE Appliances coils and air handlers are shipped with a factory installed TXV. In most cases, no substitution is needed.

If a different size TXV is required, it will be listed in the "TXV SUBSTITUTION" table by size. The correct TXV must be ordered separately and field installed.

Size	Order Number
018	26Z70
024	26Z70
030	26Z70
036	26Z70
042	26Z71
048	26Z71
060	26Z72

AHRI STANDARD 210/240-2023

Standard Ratings relating to cooling or heating capacities shall be net values, including the effects of circulating-fan heat, but not including supplementary electric heat. Power input used for calculating efficiency shall be the Total Power.

Standard Ratings of units which do not have indoor air-circulating fans furnished as part of the model, i.e., Coil-only System, shall be established by subtracting from the total cooling capacity 1,505 Btu/h per 1,000 SCFM, and by adding the same amount to the heating capacity for non-mobile-home, non-Space Constrained units. Total Power for both heating and cooling shall be increased by 441 W per 1,000 SCFM of indoor air circulated.

TXV SUBSTITUTION - R-454B

A general guide for replacing the factory installed R-454B TXV if the indoor unit (coil/air handler) is larger or smaller than the outdoor unit.

Outdoor Unit		Indoor Unit		Indoor TXV Furnished	Indoor TXV Replacement
Size	Tons	Size	Tons		
018	1.5	42	3.5	26Z71	26Z70
018	1.5	48	4	26Z71	26Z70
018	1.5	49	4	26Z71	26Z70
018	1.5	50/60	4/5	26Z71	26Z70
018	1.5	51/61	4/5	26Z71	26Z70
018	1.5	60	5	26Z72	26Z70
024	2	42	3.5	26Z71	26Z70
024	2	48	4	26Z71	26Z70
024	2	49	4	26Z71	26Z70
024	2	50/60	4/5	26Z71	26Z70
024	2	51/61	4/5	26Z71	26Z70
024	2	60	5	26Z72	26Z70
030	2.5	42	3.5	26Z71	26Z70
030	2.5	48	4	26Z71	26Z70
030	2.5	49	4	26Z71	26Z70
030	2.5	50/60	4/5	26Z71	26Z70
030	2.5	51/61	4/5	26Z71	26Z70
030	2.5	60	5	26Z71	26Z70
036	3	42	3.5	26Z71	26Z70
036	3	48	4	26Z71	26Z70
036	3	49	4	26Z71	26Z70
036	3	50/60	4/5	26Z71	26Z70
036	3	51/61	4/5	26Z71	26Z70
036	3	60	5	26Z72	26Z70
042	3.5	24	2	26Z70	26Z71
042	3.5	30	2.5	26Z70	26Z71
042	3.5	30/36	2.5/3	26Z70	26Z71
042	3.5	36	3	26Z70	26Z71
042	3.5	60	5	26Z72	26Z71
048	4	30/36	2.5/3	26Z70	26Z71
048	4	36	3	26Z70	26Z71
048	4	60	5	26Z72	26Z71
060	5	50/60	4/5	26Z71	26Z72
060	5	51/61	4/5	26Z71	26Z72

TXV Ranges:

26Z70 - 1.5 to 3 ton systems - Use on 3 ton (036) and lower systems.

26Z71 - 3.5-4 ton systems - Use on to 4 ton (048) and down to 3.5 ton (042) systems.

26Z72 - 5 ton systems - Use on 5 ton (060) systems only.



GE APPLIANCES

All specifications and illustrations subject
to change without notice and without
incurring obligations.

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