

QUICK REFERENCE DATA

NS6BD Series - Residential Split System Air Conditioner

MODEL NUMBER: NS6BD-			024K	030K	036K	042KA	048KA	060KA
Electrical Data	Volts-Cycles Phase (1)		208 / 230 - 60 - 1					
	Total Amps		10.3	10.8	16.4	19.4	23.2	27.8
	Delay Fuse Max. (2)		20	20	35	40	50	60
	Min. Circuit Ampacity		12.7	13.3	20.1	23.9	28.7	34.4
Component Data	Coil	Area	10.0	10.0	13.3	15.3	15.3	17.9
		Rows-FPI	1-23	1-23	1-23	1-18	1-18	1-18
		Tube Dia.	Micro-Channel					
	Fan Motor	Type	PSC					
		Amps	0.7	0.7	1.4	1.5	1.5	1.5
		HP	0.1	0.1	0.25	0.25	0.25	0.25
	Compressor Data	RLA	9.6	10.1	15.0	17.9	21.8	26.4
		LRA	60.5	60	88	112	117	134
REFRIGERANT SUCTION LINE O.D NOTE: Liquid line is 3/8" O.D. for entire length.		15 - 24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
		25 - 39 ft.	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (4)
		40 - 75 ft.	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (4)
REFRIGERANT CHARGE R-410A in ounces for outdoor unit & 15' Lineset. (5)			52	54	59	59	60	69.6
APPROXIMATE WEIGHT (LBS.)		Net	113	116	135	179	179	188
		Ship	118	121	140	187	187	197

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

(4) Requires 7/8" to 1-1/8" reducer from line to unit.

(5) Additional charge for line sets above 15 feet. Values based on suction line as follows with 3/8" liquid line.

(a) 3/4" = 0.6 oz. per additional foot.

(b) 7/8" = 0.7 oz. per additional foot.

(c) 1 1/8" = 0.8 oz. per additional foot.

Table 1. Electrical Specifications & Physical Data

Thermostat Wire Gauge	Recommended T-Stat Wire Unit to T-Stat (Length in FT)	
	2-Wire (Heating)	5-Wire (Heating/Cooling)
24	55	25
22	90	45
20	140	70
18	225	110

Table 2. Thermostat Wire Gauge

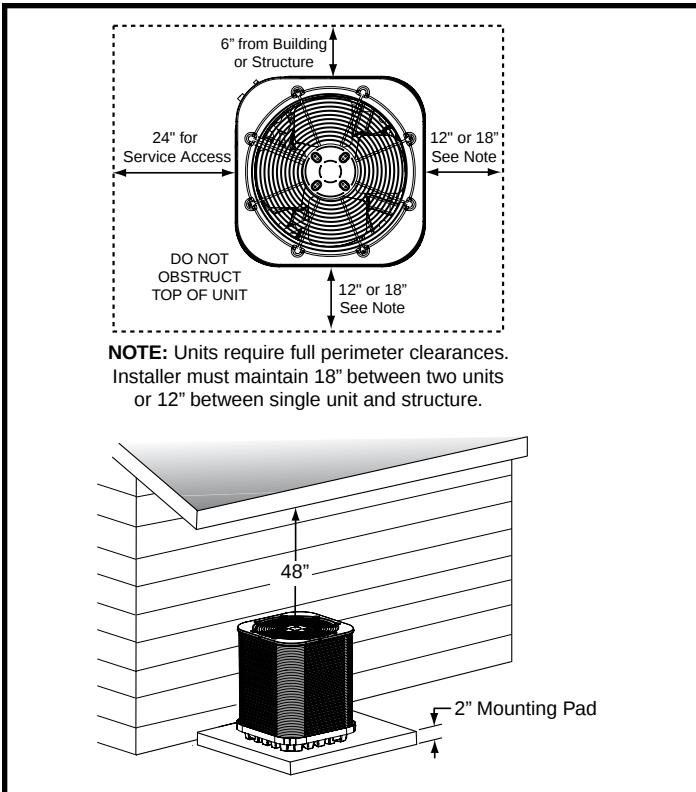


Figure 1. Clearance Requirements

Model NS6BD Shown			
MODEL NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
NS6BD-024K	27 1/2"	22 3/4"	22 3/4"
NS6BD-030K	27 1/2"	22 3/4"	22 3/4"
NS6BD-036K	35 1/2"	22 3/4"	22 3/4"
NS6BD-042K	27 1/2"	30 3/4"	30 3/4"
NS6BD-048K	27 1/2"	30 3/4"	30 3/4"
NS6BD-060K	31 1/2"	30 3/4"	30 3/4"

Table 3. Unit Dimensions

Instructions:

1. Find the column for the model of outdoor unit that is being installed.
2. Find the row for the model of the indoor unit that is being installed.
3. Find the cell in the table in which this row and column meet. In this cell the appropriate orifice / TXV and charge addition for this match are listed. If the text in this cell is BOLD, then a change of orifice is necessary.
4. If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

Examples:

- For the NS6BD-024K / B6BMM024K-B match, the appropriate restrictor is the .055" and 5 ounces of charge will need to be added. (CHANGE IN CHARGE)
- For the NS6BD-042K / GB5BMM042K-B match, the restrictor will need to be changed to the .072", and no additional charge needs to be added. (CHANGE IN RESTRICTOR)

ID Restrictor Installed With ID Unit	Model Number: NS6BD		024K	030K	036K	042KA	048KA	060KA
	ID Restrictor Supplied With OD Unit:		0.055	0.058, 0.061	0.067, 0.069	0.071, 0.072	0.076, 0.077	////0.087////
	Outdoor Unit BOM Charge (Oz.)		52	54	59	59	60	////69.6////
	Row Labels	Supplied ID Restrictor	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)
	GB5BM-0							
	GB5BM-024K-A	0.055	0.055 / 26	--	--	--	--	--
	GB5BM-024K-B	0.055	0.055 / 26	--	--	--	--	--
	GB5BM-030K-A	0.065	--	0.065 / 26	--	--	--	--
	GB5BM-030K-B	0.065	--	0.065 / 26	--	--	--	--
	GB5BM-036K-B	0.073	--	--	0.073 / 30	--	--	--
	GB5BM-042K-B	0.077	--	--	--	0.077 / 34	--	--
	GB5BM-048K-C	0.080	--	--	--	--	0.080 / 36	--
	GB5BM-060K-C	0.089	--	--	--	--	--	0.089 / 36
	GB5BMM							
	GB5BMM024K-A	0.055	0.055 / 5	--	--	--	--	--
	GB5BMM024K-B	0.055	0.055 / 5	--	--	--	--	--
	GB5BMM030K-A	0.062	--	0.058 / 7	--	--	--	--
	GB5BMM030K-B	0.062	--	0.058 / 7	--	--	--	--
	GB5BMM042K-B	0.074	--	--	0.069 / 2	0.072 / 0	--	--
	GB5BMM048K-B	0.079	--	--	--	--	0.079 / 2	--
	GB5BMM048K-C	0.079	--	--	--	--	0.079 / 2	--
	GB5BMM060K-C	0.087	--	--	--	--	--	0.087 / 0
	B5BM-X							
	B5B(M,V)-X24K-A	669564	669564 / 26	--	--	--	--	--
	B5B(M,V)-X24K-B	669564	669564 / 26	--	--	--	--	--
	B5B(M,V)-X30K-A	669565	--	669565 / 26	--	--	--	--
	B5B(M,V)-X30K-B	669565	--	669565 / 26	--	--	--	--
	B5B(M,V)-X36K-B	669566	--	--	669566 / 30	--	--	--
	B5B(M,V)-X42K-B	669567	--	--	--	669567 / 34	--	--
	B5B(M,V)-X48K-B	669568	--	--	--	--	669568 / 36	--
	B5B(M,V)-X48K-C	669568	--	--	--	--	669568 / 36	--
	B5B(M,V)-X60K-C	669578	--	--	--	--	--	669578 / 36
	B6BM							
	B6BMM024K-A	0.055	0.055 / 5	--	--	--	--	--
	B6BMM024K-B	0.055	0.055 / 5	--	--	--	--	--
	B6BMM030K-A	0.062	--	0.058 / 7	--	--	--	--
	B6BMM030K-B	0.062	--	0.058 / 7	--	--	--	--
	B6BMM042K-B	0.074	--	--	0.069 / 2	0.072 / 0	--	--
	B6BMM048K-B	0.079	--	--	--	--	0.079 / 2	--
	B6BMM048K-C	0.079	--	--	--	--	0.079 / 2	--
	B6BMM060K-C	0.087	--	--	--	--	--	0.087 / 0

NOTES:

- Cells with hash marks (////) are preliminary data subject to change.
- The charges listed are only valid for the standard 15' lineset.
- Numbers listed as 0.*** are restrictor diameters, while numbers listed as 669*** are TXV part numbers.

Table 4. Restrictor or TXV / Charge Addition (Oz)

Instructions:

1. Find the column for the model of outdoor unit that is being installed.
2. Find the row for the model of the indoor unit that is being installed.
3. Find the cell in the table in which this row and column meet. In this cell the appropriate orifice / TXV and charge addition for this match are listed. If the text in this cell is BOLD, then a change of orifice is necessary.
4. If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

Examples:

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	Outdoor Unit BOM Charge (Oz.)		52	54	59	59	60	////69.6////
	Row Labels	Supplied ID Restrictor	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)	Required ID Restrictor (in)
	C5							
	C5(Q,D)A-X25U-B	669564	669564 / 26	--	--	--	--	--
	C5(Q,D)A-X30U-B	669565	--	669565 / 26	--	--	--	--
	C5(Q,D)A-X36U-B	669566	--	--	669566 / 30	--	--	--
	C5(Q,D)A-X37U-B	669566	--	--	669566 / 30	--	--	--
	C5(Q,D)A-X42U-B	669567	--	--	--	669567 / 34	--	--
	C8							
	C8(B,D)AM01830U-B	0.061	0.055 / 0	0.061 / 3	--	--	--	--
	C8(B,D)AM036U-B	0.067	--	--	0.067 / 2	--	--	--
	C8(B,D)AM042U-B	0.071	--	--	--	0.071 / 7	--	--

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Table 4. Restrictor or TXV / Charge Addition (Oz) - Continued



Specifications & illustrations subject to change without notice or incurring obligations.
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709318B (Replaces 709318A)