

SPLIT TYPE 23SEER MINI SPLIT-AIRBOX SERIES

**Model:
LBH24DW**



Specifications	Unit	Parameter
ODU Model	-	LBH24DWO
IDU Model	-	LBH24DWI
System Ratings		
Cooling Capacity	Btu/h	22,000
Heating Capacity (47°F)	Btu/h	23,000
Heating Capacity (17°F)	Btu/h	14,600
Cooling Capacity Range	Btu/h	6,824-27,296
Heating Capacity Range	Btu/h	6,824-30,708
Cooling Power Input (Max)	W	3,000
Heating Power Input (Max)	W	3,000
SEER	-	20.0
HSPF	-	10.0
EER	(Btu/h) /W	12.5
COP	W/W	3.37
Cooling Operation Range	°F (°C)	0~115 (-18~46)
Heating Operation Range	°F (°C)	-4~75 (-20~24)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	1/4
Connection Method	-	Flared
Factory Charge	oz	77.6
Additional Charge	oz/ft.	0.5
Pre-Charge Length	ft.	25
MAX Refrigerant Length	ft.	82
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	33
Indoor Unit Data		
Fan Motor Power Output	W	60
Fan Motor RLA	A	0.38
Air Flow Volume	CFM	530/706
Sound Pressure Level	dB(A)	36/48
Dehumidication	pt/hr	4.23
Power Supply	-	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
MCA	A	20.0
MOCP/Breaker Size	A	30.0
Outdoor Unit Data		
Compressor Type	-	DC Inverter Rotary
Compressor RLA	A	11.50
Refrigerant Type	-	R410A
Fan Motor Power Output	W	92
Fan Motor RLA	A	0.65
Sound Pressure Level	dB(A)	59
Power Supply	-	208/230V / 1Ph / 60Hz
Min/Max Voltage	V	187 - 253
Main Supply Wire Size	-	3.3mm ² (AWG12)
MCA	A	20.0
MOCP/Breaker Size	A	30.0

Job Name:

Schedule Reference:

Date:

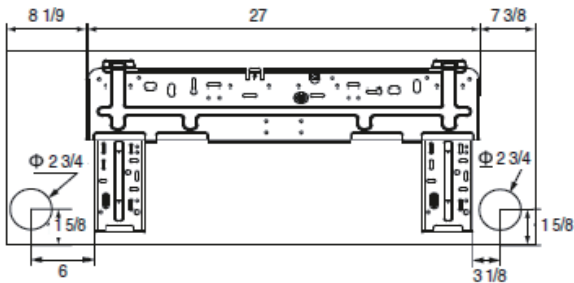
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Outline and Physical Dimension of LBH24DW.

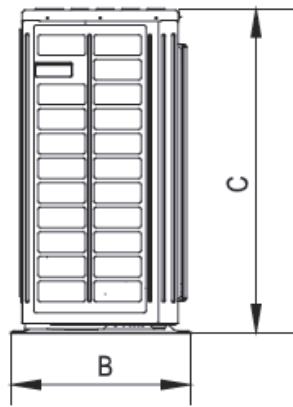
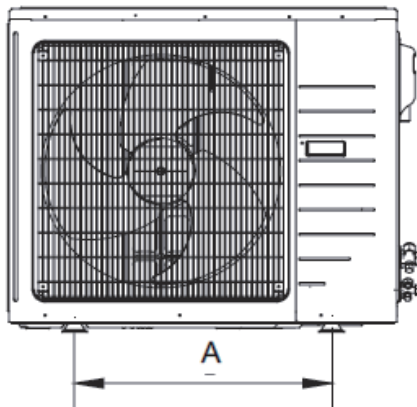


Dimensions	
A	42 3/8
B	12 3/4
C	9 3/4



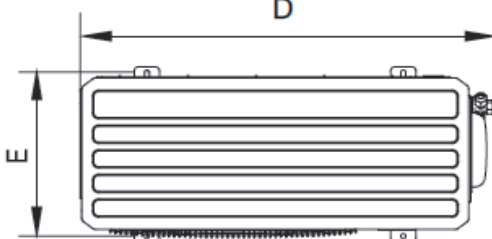
Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	5/8-in OD

Units: inch



Dimensions	
A	24
B	16 3/4
C	31 1/8
D	38 5/8
E	14 1/2

Units: inch



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	5/8-in OD Flared

Net Weight IDU	34.2lb
Gross Weight IDU	41.9 lb
Net Weight ODU	142.2 lb
Gross Weight ODU	153.2 lb



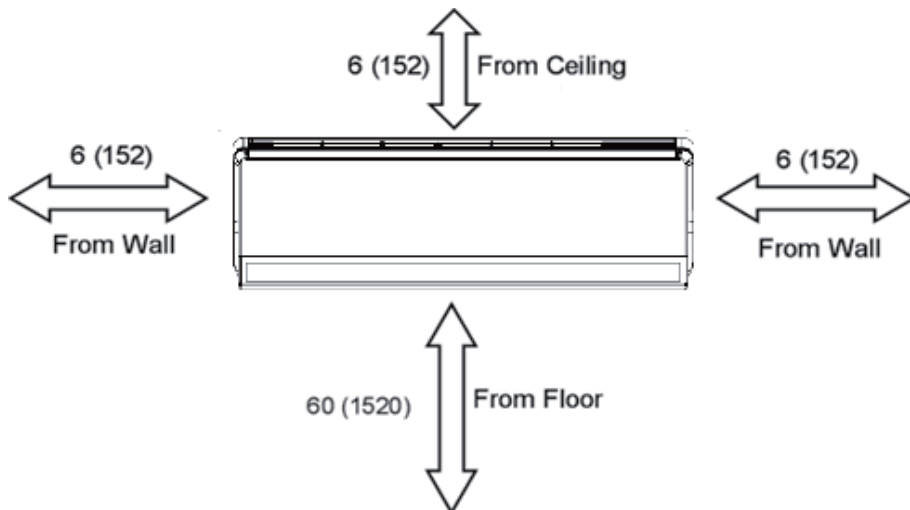
DIMENSIONAL SPECIFICATIONS

LBH24DW

MINIMUM SPACING REQUIREMENTS

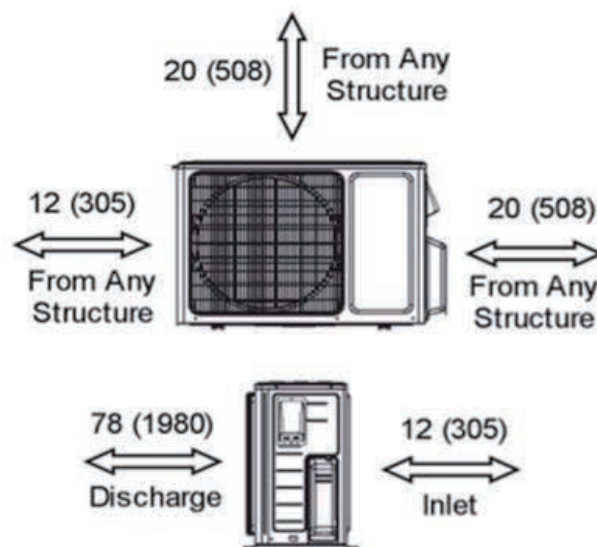
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR



COOLING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB (20°C)		73°F DB (23°C)		80°F DB (27°C)		82°F DB (28°C)	
	68°F WB (20°C)		61°F WB (16°C)		67°F WB (19°C)		68°F WB (20°C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
5°F	11,904	9,336	12,576	9,859	14,193	11,132	14,619	11,402
14°F	14,285	11,204	15,091	11,831	17,031	13,358	17,542	13,683
23°F	15,651	12,277	16,740	13,131	19,181	15,044	19,756	15,410
32°F	16,198	12,707	17,326	13,591	19,852	15,570	20,448	15,949
41°F	16,765	13,151	17,933	14,066	20,547	16,115	21,163	16,507
50°F	17,352	13,612	18,560	14,559	21,266	16,679	21,904	17,085
59°F	18,979	14,885	20,300	15,921	22,233	17,433	22,900	17,862
68°F	21,494	16,858	22,838	17,909	24,405	19,141	25,137	19,607
77°F	21,241	16,662	22,592	17,720	24,181	18,967	24,907	19,427
86°F	20,196	15,838	21,539	16,896	23,510	18,438	24,215	18,888
95°F	19,114	14,991	20,450	16,034	22,390	17,561	23,062	17,988
104°F	18,188	14,265	19,517	15,308	21,808	17,108	22,462	17,520
113°F	17,255	13,532	18,584	14,575	20,882	16,374	21,509	16,777

HEATING PERFORMANCE (BtuH)*

Outdoor Ambient DB	Indoor Ambient Temperature							
	68°F DB (20°C)		73°F DB (23°C)		80°F DB (27°C)		86°F DB (30°C)	
	57°F WB (14°C)		61°F WB (16°C)		67°F WB (19°C)		72°F WB (22°C)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC
-4°F	13068	13068	12848	12848	12465	12465	12329	12329
0°F	14160	14160	13924	13924	13509	13509	13351	13351
6°F	14938	14938	14687	14687	14249	14249	14082	14082
10°F	15559	15559	15300	15300	14844	14844	14671	14671
16°F	16030	16030	15763	15763	15293	15293	15111	15111
19°F	16337	16337	16070	16070	15591	15591	15402	15402
24°F	18176	18176	17901	17901	17367	17367	17240	17240
32°F	20313	20313	20038	20038	19441	19441	19378	19378
41°F	22757	22757	22490	22490	21819	21819	21822	21822
43°F	23370	23370	23095	23095	22406	22406	22435	22435
47°F	23516	23516	23108	23108	22420	22420	22104	22104
53°F	23749	23749	23334	23334	22639	22639	22323	22323
59°F	24294	24294	23865	23865	23154	23154	22832	22832
64°F	24811	24811	24374	24374	23648	23648	23319	23319
70°F	25277	25277	24840	24840	24100	24100	23763	23763
75°F	25633	25633	25182	25182	24432	24432	24091	24091

* Maximum system capacity

TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)