

SUBMITTAL DATA

3BRS12HPL11A / 3BRS12HPL10A
12000 BTU/H Wall Mounted Heat Pump System

Job Name	
Purchaser	
Submitted to	
Unit Designation	
Location	Date
Engineer	
For	
Schedule No.	



GENERAL FEATURES

- AHRI Certificate: [211174332](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Wireless Remote with LCD Display
- Wired Controller Options
- Wi-Fi Included
- Low Ambient Cooling down to 0°F (Range 0°F to 115°F)
- Low Ambient Heating down to -13°F (Range -13°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SPECIFICATIONS 3BRS12HPL1IA / 3BRS12HPL1OA

System Type HEAT PUMP

SYSTEM PERFORMANCE

Cooling	Min - Max	Btu/h	2388 - 13307
	Capacity @95°F	Btu/h	12000
	Min - Max	Btu/h	2388 - 15013
Heating	Capacity @5°F	Btu/h	
	Capacity @17°F	Btu/h	6800
	Capacity @47°F	W	12000
SEER2			17.5
EER2			8.7
HSPF2			8.5
COP @5°F			
COP @47°F			3.5
Cooling Temperature Range	°F		0 - 115
Heating Temperature Range	°F		-13 - 75
Refrigerant Type			R410A

INDOOR UNIT 3BRS12HPL1IA

Air flow (Min-Max)	CFM	159 - 353
Sound Pressure Level (Min - Max)	dB(A)	26 - 41
Dehumidification	pt/hr	1.69
External Dimensions (WxHxD)	in	32-7/8 x 10-7/8 x 7-7/8
Package Dimension (W x H x D)	in	35-1/4 x 13-5/8 x 10-11/16
Net Weight	lbs	19.8
Gross Weight	lbs	24.3

OUTDOOR UNIT 3BRS12HPL1OA

Compressor Type		G-10 / 2 - STAGE INVERTER
Sound Pressure Level	dB(A)	52
External Dimensions (W x H x D)	in	28-13/16 x 21-7/8 x 13
Package Dimension (W x H x D)	in	31-5/16 x 24-3/4 x 14-13/16
Net Weight	lbs	59.5
Gross Weight	lbs	65.0

REFRIGERANT PIPING

Refrigerant Charge - R410A	oz	24.7
Additional Charge	oz/ft	0.2
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 3/8
Pre-Charge Length	ft	25
Pipe Length (Min - Max)	ft	10 - 66
Max. Pipe Elevation	ft	40

ELECTRICAL

Power Supply		115V / 1Ph / 60Hz
Voltage Range (Min - Max)	VAC	103 - 127
Rated Current - Cooling	A	18
Rated Current - Heating	A	18
MCA	A	20
MOCP	A	30
Suggested Breaker Size	A	20
Main Power Wire Size	AWG	Per Local Code
Interconnecting Wire Size	AWG	14 / 4

FEATURES & FUNCTIONS SUMMARY 3BRS12HPL1IA / 3BRS12HPL1OA

SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Efficiency Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	Yes
Compressor With Electric Heater	Yes
Outdoor Fin Coating (Color:Blue)	Acrylic-Resin/Anti-Corrosive
Intelligent Defrosting	Yes
Force Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface (XE71)	Yes
WiFi Included	Yes
Indoor Fan Type	Crossflow
Multi Fan Speeds	4 Speeds
Indoor Unit Display	Yes
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	No

REMOTE CONTROLLER FUNCTIONS

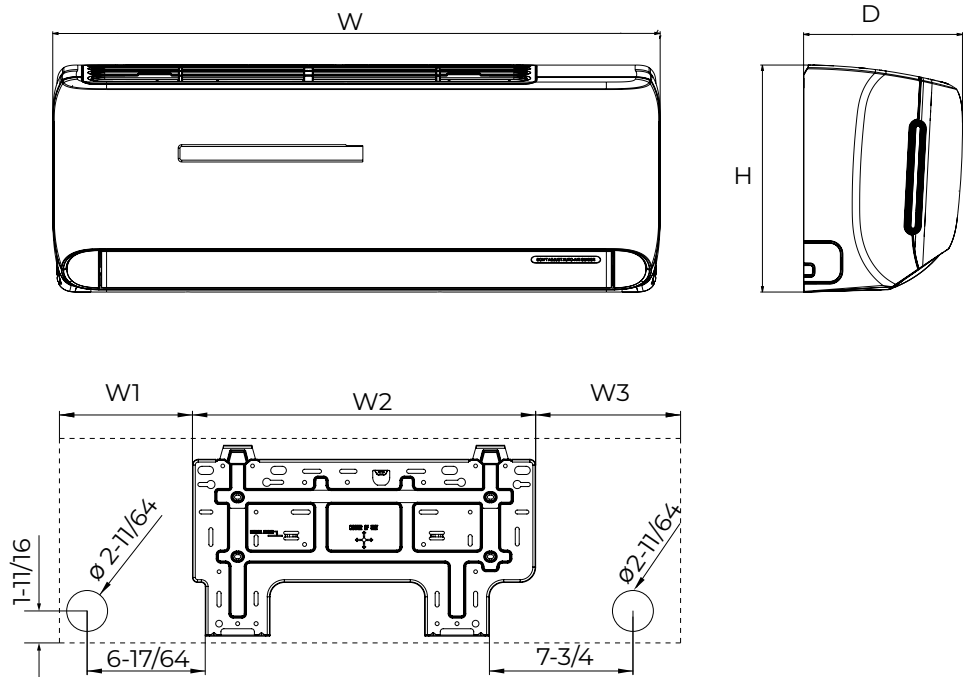
Auto Mode	Yes
Auto Fan	Yes
Manual Horizontal Swing	Yes
Auto Swing (Vertical Auto Swing)	Yes
Clock on Remote Controller	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	No
I Feel Function	Yes
Lock on Remote Controller	Yes
Quiet Mode	No
Room Temperature Display	Yes
Sleep Mode	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode (46°F)	Yes
Display On/Off Control	Yes

DIMENSIONS

INDOOR UNIT

Unit: inch

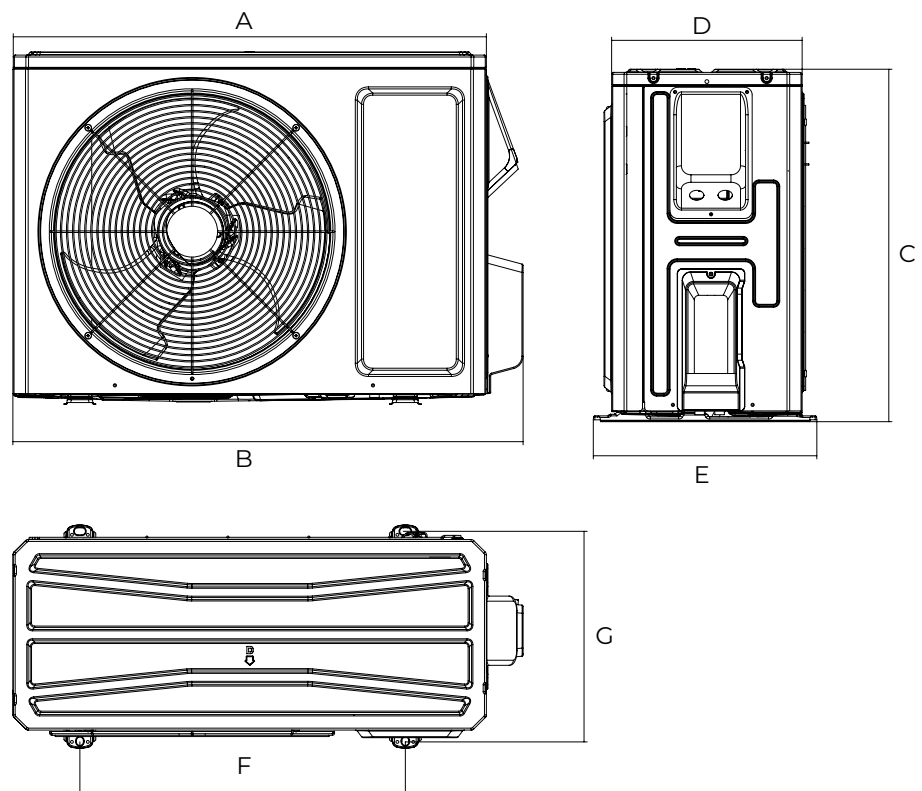
3BRS12HPL1A	
DIMENSIONS	
W	32-7/8
H	10-7/8
D	7-7/8
W1	7-3/64
W2	18-5/32
W3	7-11/16



OUTDOOR UNIT

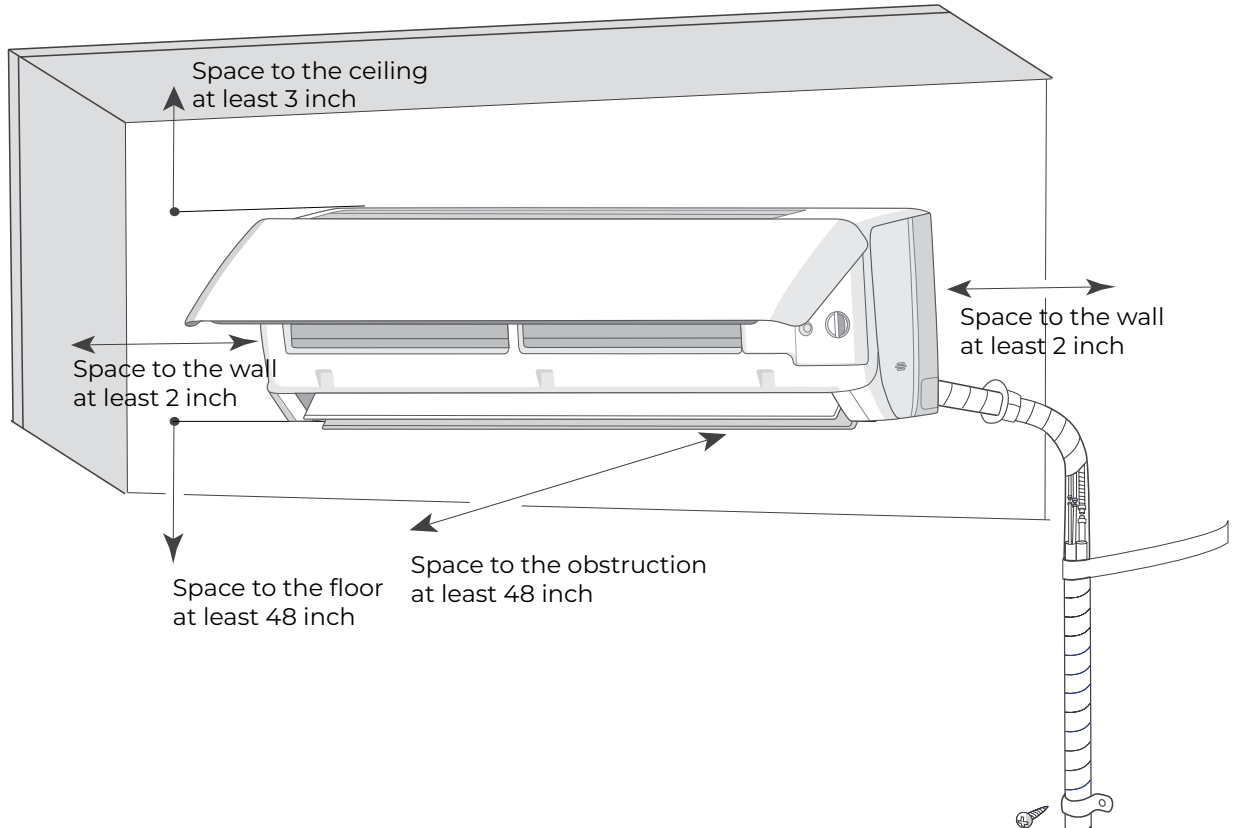
Unit: inch

3BRS12HPL10A	
DIMENSIONS	
A	26-37/64
B	28-13/16
C	21-7/8
D	11-7/32
E	13
F	17-29/32
G	12-13/64

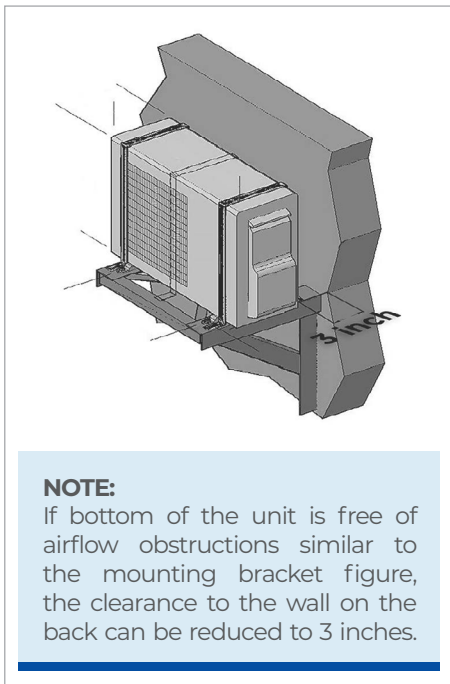


CLEARANCES

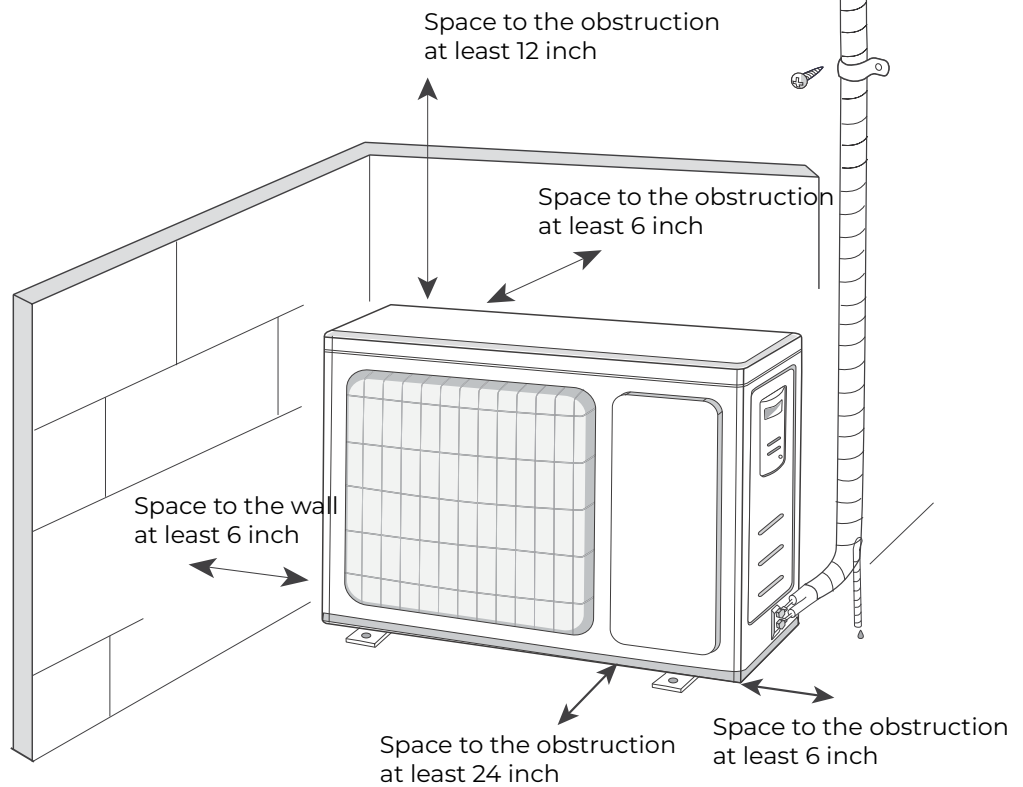
INDOOR UNIT Minimum clearance



OUTDOOR UNIT Minimum clearance



NOTE:
If bottom of the unit is free of airflow obstructions similar to the mounting bracket figure, the clearance to the wall on the back can be reduced to 3 inches.



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