BOREAL
elevate your comfort

Kula R32

SUBMITTAL DATA

KUL12HPJ132IA / KUL12HPJ132OA
12000 BTU/H Wall Mounted Heat Pump System

Job Name

Purchaser

Submmited to

Unit Designation

Location

Date

Engineer

For

Schedule No.

KUL12HPJ132IA

KUL12HPJ132OA

YAP1F7F

XE71 (Optional)

GENERAL FEATURES

- AHRI Certificate: 215424785
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Auto-Clean Function on Indoor Unit
- Wireless Remote with LCD Display
- Wired Controller Options
- New R32 Refrigerant
- Composite Drain Pan
- Wi-Fi Included (Factory Installed)
- Low Ambient Cooling down to -20°F (Range -20°F to 122°F)
- Low Ambient Heating down to -22°F (Range -22°F to 86°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			HEAT PUMP
Outdoor Model			KUL12HPJ132OA
Indoor Model			KUL12HPJ132IA
SYSTEM PERFORMANCE			
Cooling Capacity	Min - Max	Btu/h	8,528 - 17,056
	Capacity @95°F	Btu/h	12,000
Heating Capacity	Min - Max	Btu/h	7,691 - 15,695
	Capacity @47°F	Btu/h	12,000
	Capacity @17°F	Btu/h	10,000
	Capacity @5°F	Btu/h	11,000
SEER2			24.5
EER2			13.0
HSPF2			9.5
COP @5°F			1.95
Cooling Temperature Range		°F	-20 - 122
Heating Temperature Range		°F	-22 - 86
Refrigerant Type			R32
INDOOR UNIT			**KUL12HPJ132IA**
Air flow (Min - Max)		CFM	230 - 400
Sound Pressure Level (Min - Max)		dB(A)	20 - 43
Dehumidification		pt/hr	2.96
External Dimensions (W x H x D)		in	32-31/64 × 11-17/32 × 7-23/32
Package Dimension (W x H x D)		in	34-29/64 × 14-3/8 × 10-35/64
Net Weight		lbs	20.9
Gross Weight		lbs	25.4
OUTDOOR UNIT			**KUL12HPJ132OA**
Compressor Type			G20 / SINGLE CYLINDER / 1 - STAGE INVERTER
Sound Pressure Level		dB(A)	52
External Dimensions (W x H x D)		in	31-37/64 x 21-27/32 x 13-25/32
Package Dimension (W x H x D)		in	34-21/64 x 24-13/32 x 15-43/64
Net Weight		lbs	67.3
Gross Weight		lbs	72.8
REFRIGERANT PIPING			
Refrigerant Charge - R32		oz	28.2
Additional Charge		oz/ft	0.2
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 1/2
Pre-Charge Length		ft	25
Pipe Length (Min - Max)		ft	10 - 66
Max. Pipe Elevation		ft	40
ELECTRICAL			
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)
Voltage Range (Min - Max)		VAC	187 - 253
Rated Current - Cooling		A	6.64
Rated Current - Heating		A	6.41
MCA		A	10
MOCP		A	15
Suggested Breaker Size		A	10
Main Power Wire Size		AWG	Per Local Code
Interconnecting Wire Size		AWG	14 / 4

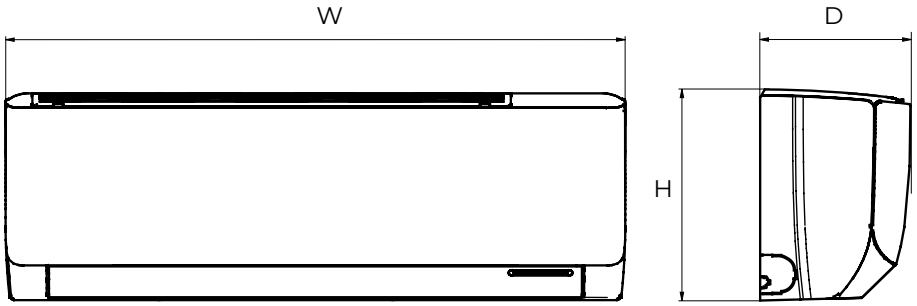
FEATURES & FUNCTIONS SUMMARY	
Inverter Type	G20
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Basepan With Electric Heater	Yes
Indoor & Outdoor Fin Coating (Blue Fin)	Yes
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface	Yes
WiFi Included	Yes
NEW! Easy Service Access	Yes
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
Indoor Unit Display	Yes
Auxilary Electrical Heater	No
Ventilation (Outdoor Air)	No
REMOTE CONTROLLER FUNCTIONS	
NEW! Auto Clean	Yes
Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	Yes
Auto Swing - 180° (Vertical Auto Swing)	Yes
Clock	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	Yes
Fan Speed Control	Yes
I Feel Function	Yes
Privacy Lock	Yes
Quiet Mode	Yes
Room Temperature Display	Yes
Sleep Mode	Yes
3 Sleep Mode Options	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	Yes
Power Failure Mode	Yes
Humidity Control	Yes

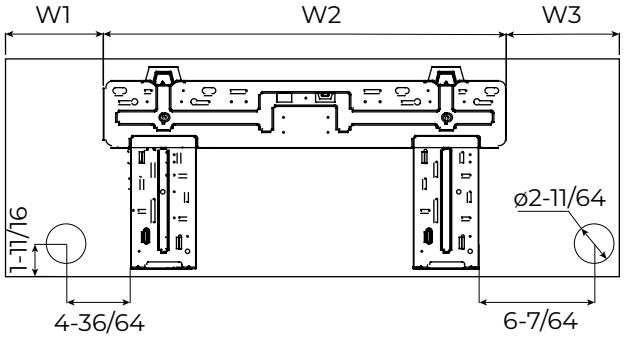
DIMENSIONS

INDOOR UNIT

Unit: inch

KUL12HPJ132IA	
DIMENSIONS	
W	32-31/64
H	11-17/32
D	7-23/32
W1	4-29/64
W2	21-11/32
W3	6-11/16

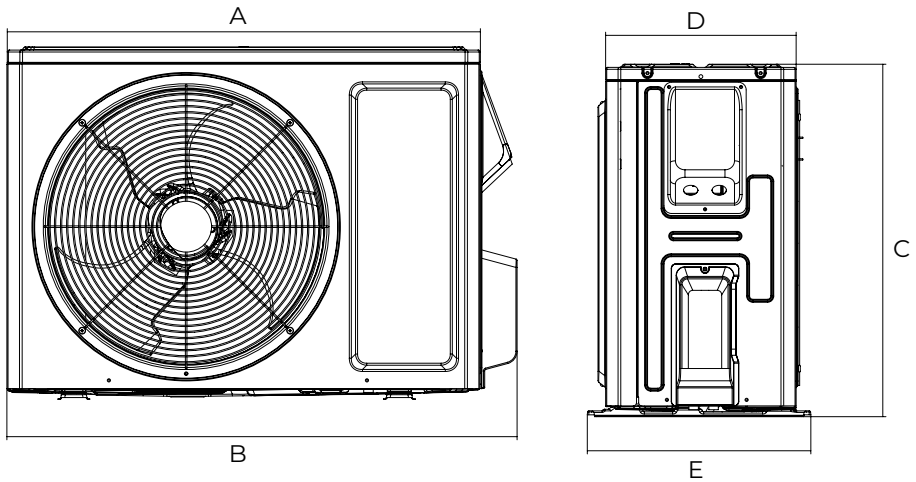


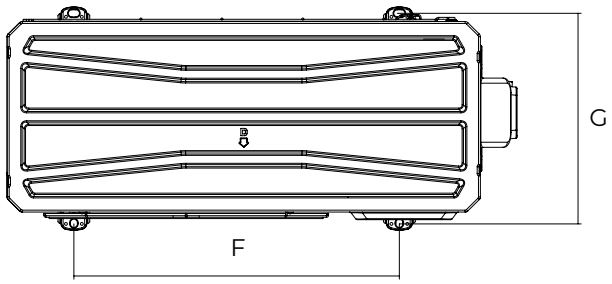


OUTDOOR UNIT

Unit: inch

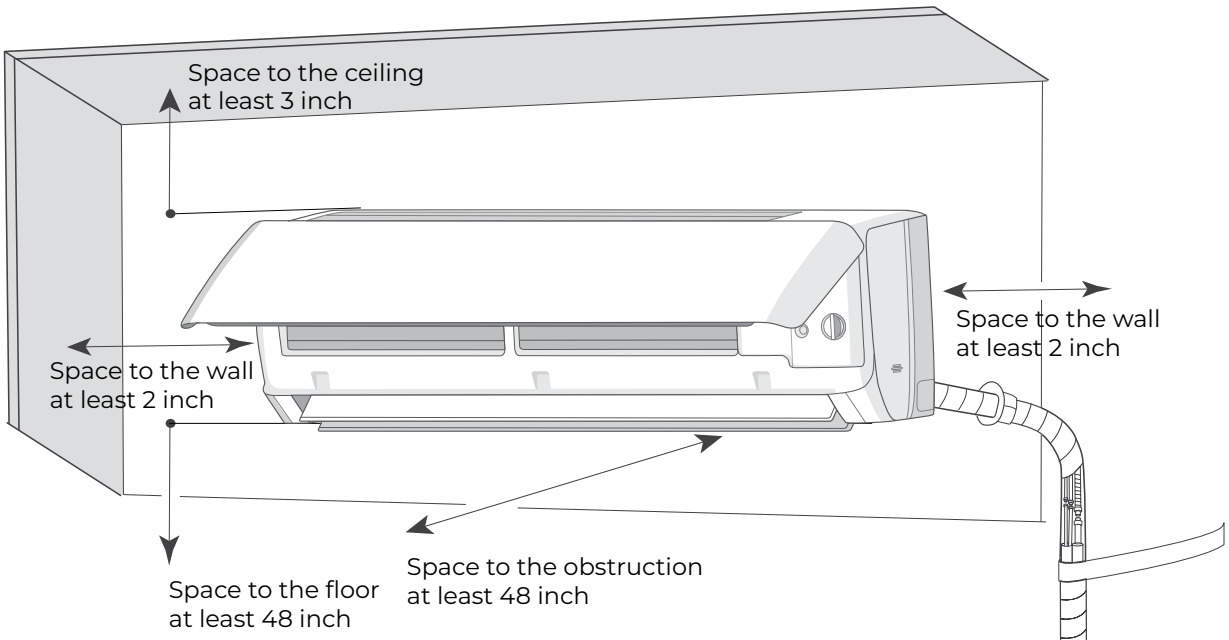
KUL12HPJ132OA	
DIMENSIONS	
A	29-21/64
B	31-37/64
C	21-27/32
D	11-13/16
E	13-25/32
F	20-5/32
G	13-5/64



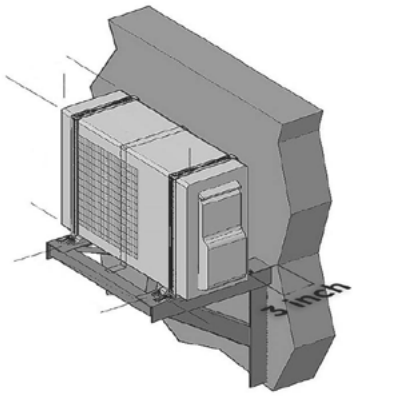


CLEARANCES

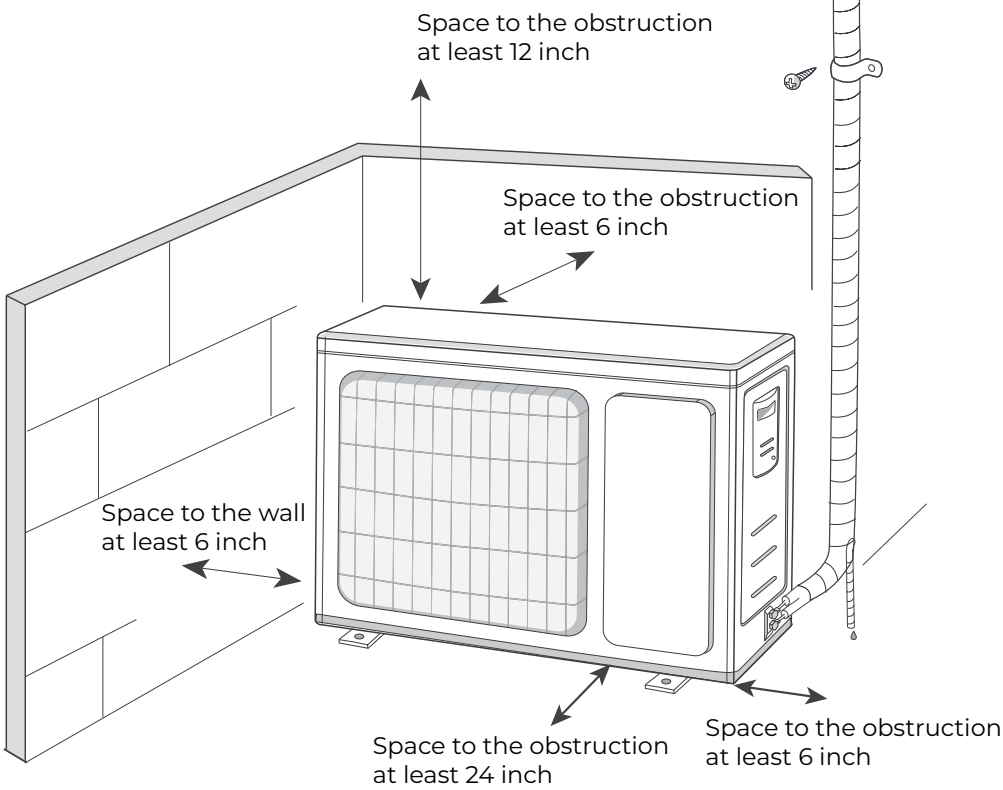
INDOOR UNIT
Minimum clearence



OUTDOOR UNIT
Minimum clearence



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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