
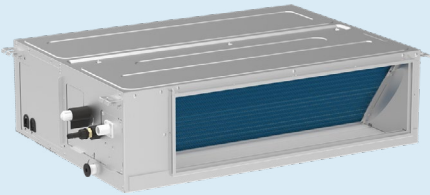



## SUBMITTAL DATA

DUC30HP230V1R32AH  
30000 BTU/H Slim Duct (HS) Heat Pump System

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

		
YBE1FB5F	DUC30HP230V1R32AH	XE72-44/E

### GENERAL FEATURES

- AHRI Certificate: [215413818 \(Livo R32 30Btu/h\)](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Slim Line Construction
- High Static E.S.P Capability -Adjustible
- Internal Condensate Drain Pump
- Flexible Return Air From Bottom Or Rear
- Wireless Remote with LCD Display Included
- XE72-44/E Wi-Fi Wired Controller Included
- Low Ambient Cooling and Heating
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested
- New R32 Refrigerant with Refrigerant Sensor

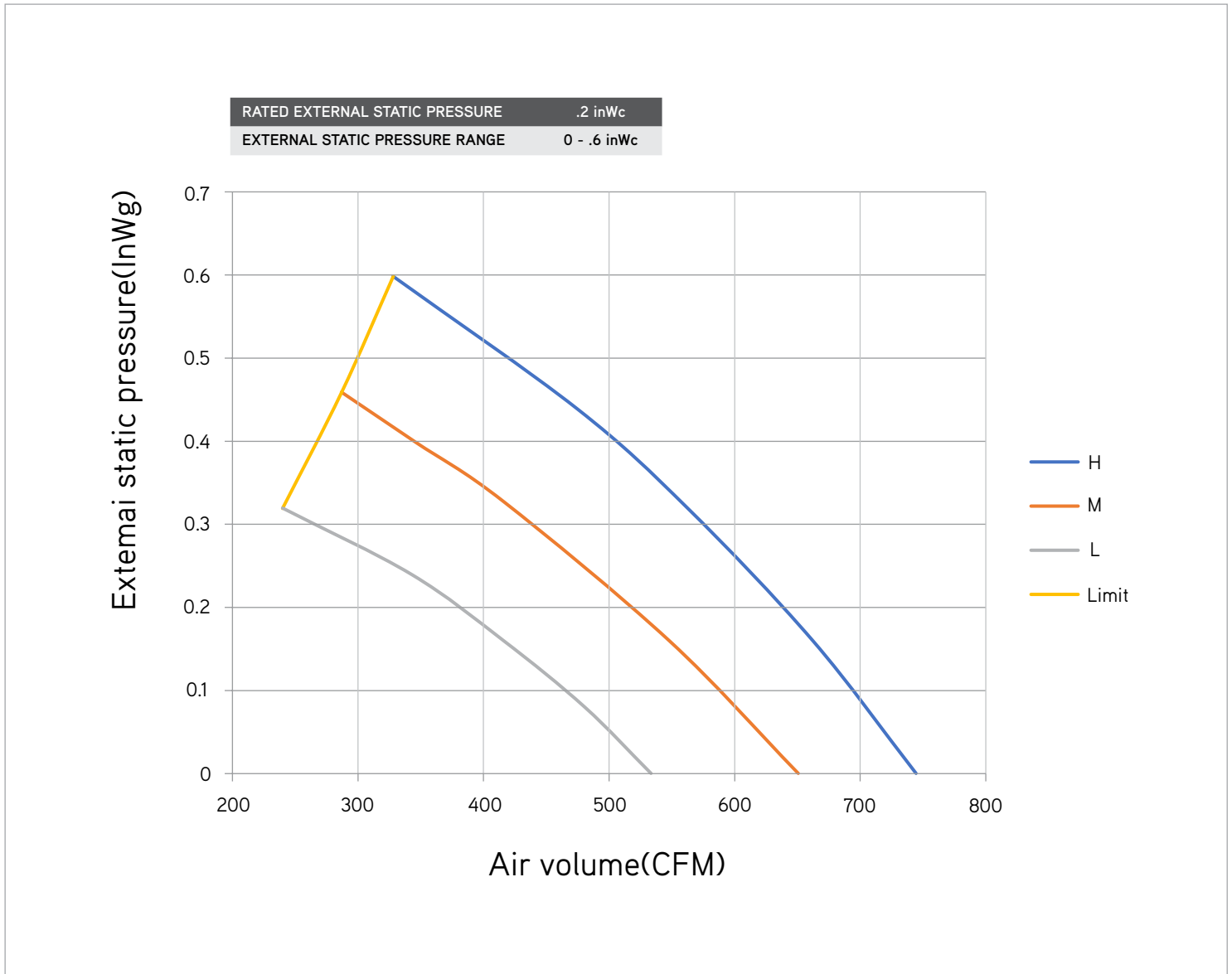
## SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE		
Indoor Model		DUC30HP230V1R32AH
Outdoor Model		LIV30HP230V1R32AO
SYSTEM PERFORMANCE		
Cooling Capacity	Min - Max	Btu/h 4,360 - 37,500
	Rated Capacity @95°F	Btu/h 30,000
Heating Capacity	Min - Max	Btu/h 4,950 - 35,140
	Rated Capacity @47°F	Btu/h 30,000
	Rated Capacity @17°F	Btu/h 24,000
	Rated Capacity @5°F	Btu/h 20,400
SEER2		18.50
EER2		11.25
HSPF2		8.5
COP @5°F		1.80
Cooling Temperature Range	°F	-4 - 122
Heating Temperature Range	°F	-13 - 75
Refrigerant Type		R32
INDOOR UNIT		DUC30HP230V1R32AH
Air flow (Min-Max)	CFM	647 - 883
External Static Pressure (Max)	In W.c.	0.8
Sound Pressure Level (Min - Max)	dB(A)	37 - 44
Dehumidification	pt/hr	7.40
External Dimensions (L x D x H)	in	35-7/16 x 25-25/32 x 10-15/64
Package Dimension (L x W x H)	in	43-57/64 x 30-25/64 x 12-19/32
Net Weight	lbs	66.2
Gross Weight	lbs	77.2
OUTDOOR UNIT		LIV30HP230V1R32AO
Sound Pressure Level	dB(A)	62
External Dimensions (L x D x H)	in	39-3/8 x 15-13/16 x 29-3/8
Package Dimension (L x W x H)	in	42-33/64 x 19-1/64 x 31-57/64
Net Weight	lbs	116.8
Gross Weight	lbs	127.9
REFRIGERANT PIPING		
Refrigerant Charge - R32	oz	56.4
Additional Charge	oz/ft	0.4
Indoor Piping Connection (Liquid - Gas)*	in	1/4 - 5/8
Outdoor Piping Connection (Liquid - Gas)	in	1/4 - 5/8
Pre-Charge Length	ft	25
Pipe Length (Min - Max)	ft	10 - 131
Max. Pipe Elevation	ft	82
ELECTRICAL		
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)
Voltage Range (Min - Max)	VAC	187 - 253
Rated Current - Cooling	A	18
Rated Current - Heating	A	22
MOCP	A	30
MCA	A	27
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
Compressor Type - Inverter	High Efficiency Rotary
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	No
Indoor Fan Type	Centrifugal
Multi Fan Speeds	4 Speeds
Indoor Unit Display	No
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	No
REMOTE CONTROLLER FUNCTIONS	
Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	No
Auto Swing - 180° (Vertical Auto Swing)	No
Clock	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	No
Fan Speed Control (7 Speeds)	Yes
I Feel Function	Yes
Privacy Lock	Yes
Quiet Mode	No
Room Temperature Display	No
Sleep Mode	Yes
3 Sleep Mode Options	No
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	No
Freeze Guard Mode	Yes
Power Failure Mode	Yes

\* Refrigerant piping must be sized by the indoor unit connections. If the outdoor unit connection is a different size from the indoor unit connection, a flare adapter must be purchased separately and installed on the outdoor unit.

## FAN PERFORMANCE



### NOTE:

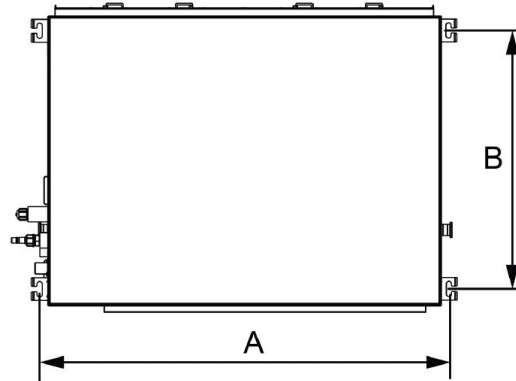
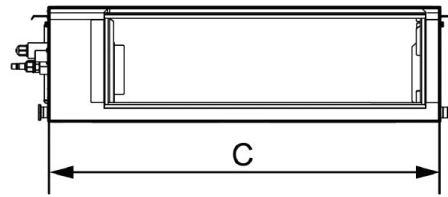
The static pressure is adjusted using the wired controller. Refer to the wired controller instruction manual for more information.

## DIMENSIONS

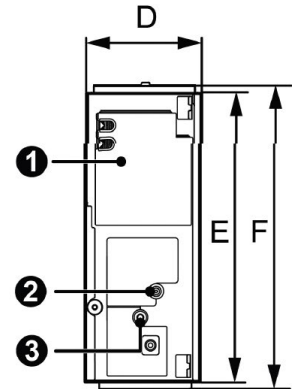
### INDOOR UNIT

Unit: inch

DUC30HP230V1R32AH	
DIMENSIONS	
A	37 3/32
B	23 15/64
C	35 7/16
D	10 15/64
E	25 25/32
F	27 1/4



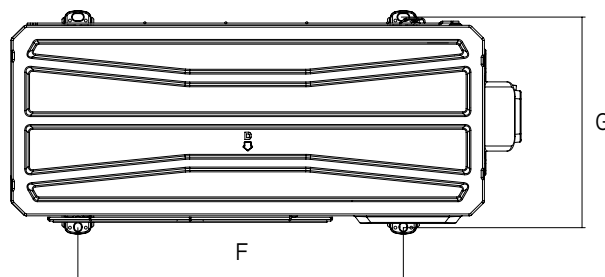
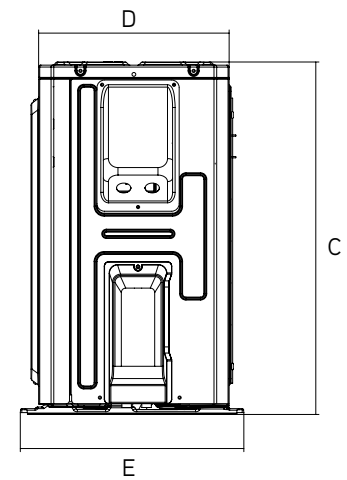
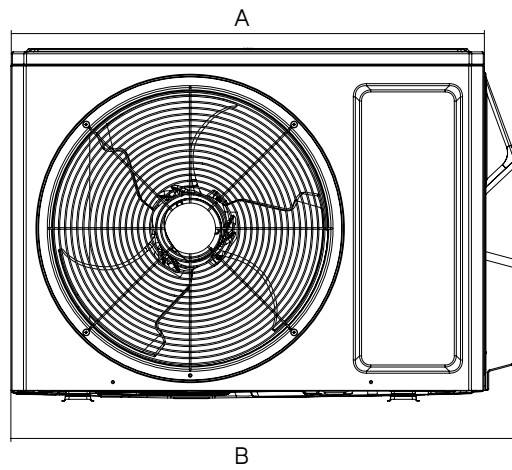
- ① Electric Box
- ② Gas pipe
- ③ Liquid pipe



### OUTDOOR UNIT

Unit: inch

LIV30HP230V1R32AO	
DIMENSIONS	
A	36 11/32
B	39 3/8
C	29 3/8
D	14 17/32
E	16 13/16
F	24 1/64
G	15 35/64

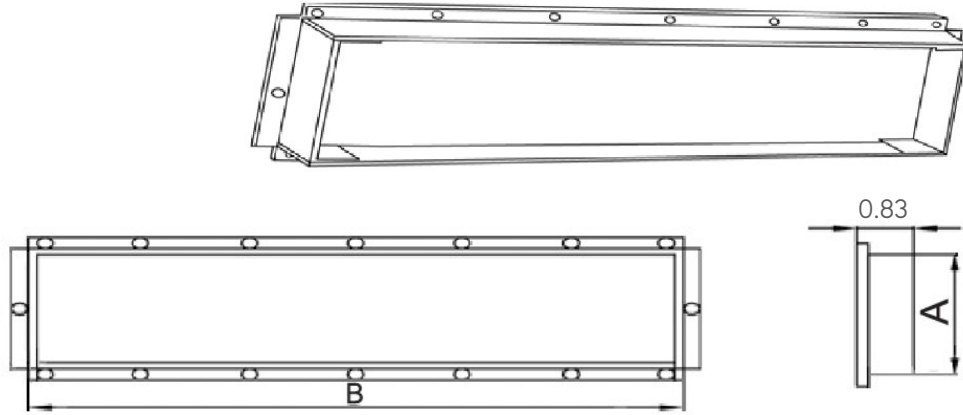


## SUPPLY AND RETURN AIR OPENING DIMENSIONS

### SUPPLY AIR OUTLET

Unit: inch

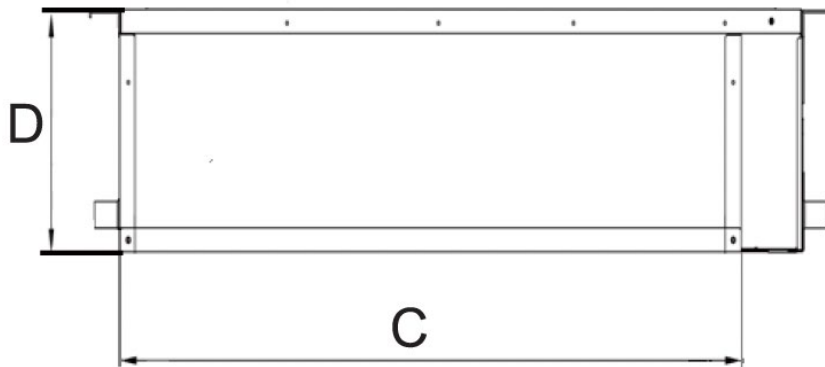
DUC30HP230V1R32AH	
DIMENSIONS	
A	8-30/64
B	29-9/64



### RETURN AIR INLET

Unit: inch

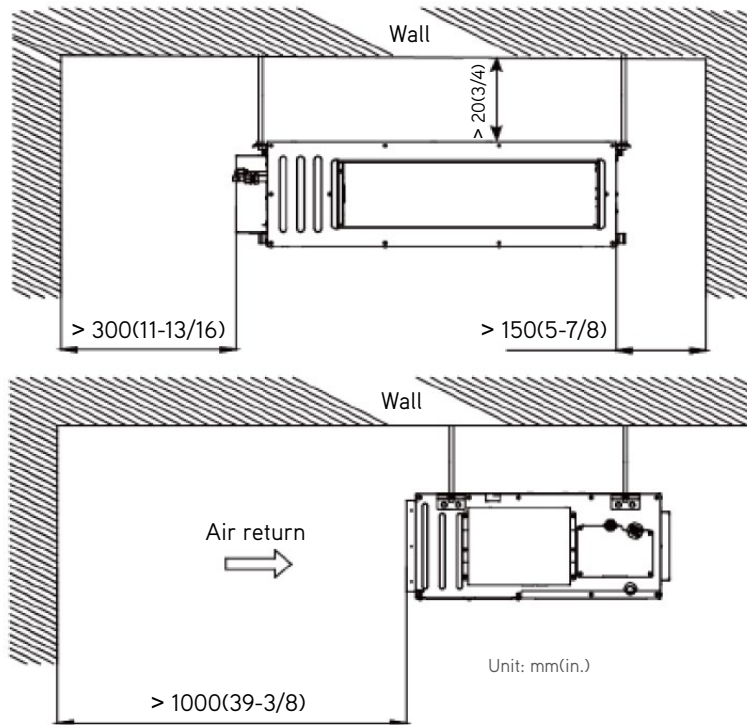
DUC30HP230V1R32AH	
DIMENSIONS	
C	34-19/64
D	9-7/32



# CLEARANCES

## INDOOR UNIT

Minimum clearance

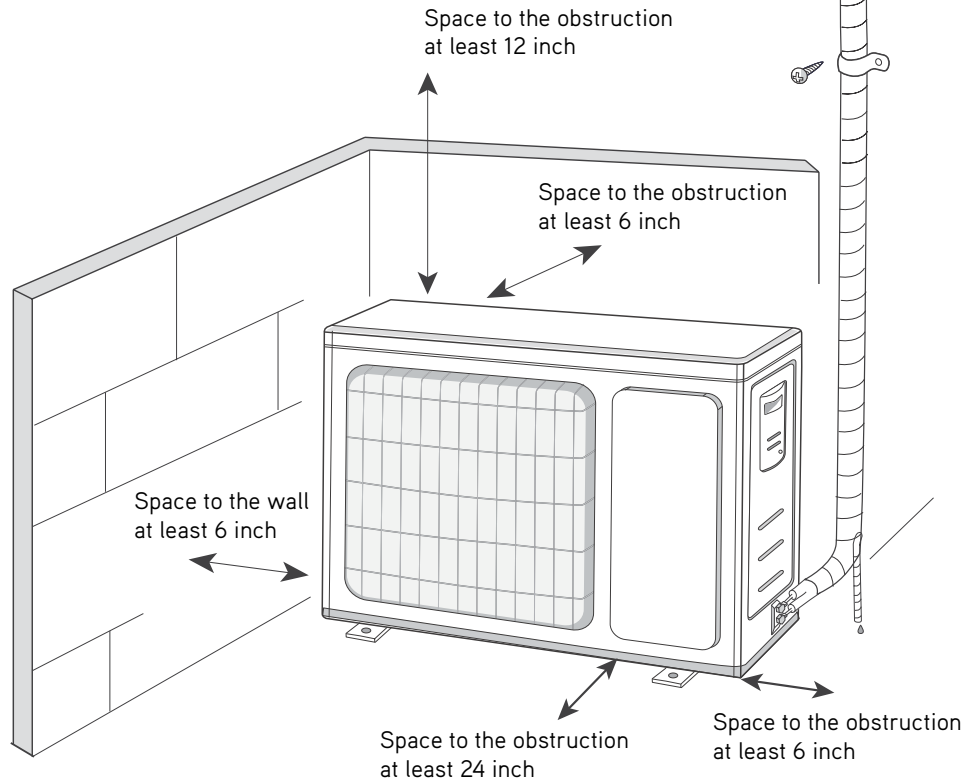


## OUTDOOR UNIT

Minimum clearance

3 inch

**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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