

Submittal Data: NEO09HP115V1A 9,000 BTU/H Wall Mounted Heat- Pump System

Job Name Location Date

Purchaser Engineer

Submitted To For Reference Approval Construction

Unit Designation Schedule No.

- GENERAL FEATURES**
- Compact and Quiet Design
 - Energy Star Qualified
 - High Efficiency DC Inverter Technology
 - Wireless Remote with LCD Display
 - Comfortable Sleep Mode
 - Intelligent Defrost
 - Acrylic Resin/Anti-Corrosion Coil Protection Inside & Out
 - 5 year Limited Parts Warranty
 - 7 year Limited Compressor Warranty



System Ratings

Cooling	
Rated Capacity	9,000 BTU/H
Capacity Range	2,559-11,601 BTU/H
Power Input (Max)	1,000 W
SEER	22
EER	13.2

Indoor Unit Data

Fan Motor	Output Power	15 W
	FLA	0.3 A
Airflow		
Cooling	Wet (Lo/Hi)	190/329 CFM
Heating	Dry (Lo/Hi)	207/335 CFM
Sound Pressure Level		
Cooling	(Lo/Hi)	32/40 db(A)
Heating	(Lo/Hi)	32/40 db(A)
Dimensions & Weights		
Unit Dimensions (LxHxD)		33.3 x 10.8 x 7.1-in
Weight (Net/Shipping)		21/28 LBS

Heating at 47° F	
Rated Capacity	9,500 BTU/H
Capacity Range	2,426-12,966 BTU/H
Power Input (Max)	1,250 W
HSPF	9.8
COP	4.0

Outdoor Unit Data

Compressor	DC Inverter Driven Rotary	
Refrigerant Type	R410A	
Fan Motor	Output Power	30 W
	FLA	0.5 A
Sound Pressure		
Cooling	50 db(A)	
Heating	50 db(A)	
Dimensions & Weights		
Unit Dimensions (LxHxD)	33.4 x 21.3 x 12.6 -in	
Weight (Net/Shipping)	74/83 LBS	

Heating at 17° F	
Rated Capacity	5,600 BTU/H
Capacity (Max)	8,516 BTU/H
Power Input (Max)	1,121
COP	2.7

Operating Range		
Cooling	(Max)	109°F (43 C)
	(Min)	5°F (-15 C)
Heating	(Max)	75°F (24 C)
	(Min)	5°F (-15 C)

Power Supply	
Normal Operational Voltage	115 V, 1 Phase, 60 Hz
Voltage Range	103-127 V
Main Power Wire Size	8-2 AWG
Interconnecting Cable Wire Size	14-4 AWG
MCA	20.0 A
MOCP/Breaker Size	30 A

Refrigerant Piping Data	
Gas Pipe Size (OD)	3/8-in
Liquid Pipe Size (OD)	1/4-in
Connection Method	Flared
MAX Refrigerant Pipe Length	50-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Height Difference	33-ft



EXTENDED RATINGS

COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures (DB) 50% RH					
	62 F		67 F		72 F	
	TC	SHC	TC	SHC	TC	SHC
25 F	11,210	8,336	12,138	8,779	12,952	9,337
35 F	10,973	8,326	11,705	8,540	12,264	8,868
45 F	10,429	8,029	11,179	8,282	11,946	8,668
55 F	10,044	7,770	10,713	8,039	11,468	8,376
65 F	9,691	7,560	10,672	8,100	11,300	8,286
75 F	9,300	7,279	10,053	7,725	10,794	7,959
85 F	8,938	7,102	9,587	7,396	10,404	7,767
95 F	8,506	6,774	9,139	7,299	9,978	7,504
105 F	8,035	6,515	8,643	6,908	9,415	7,200
115 F	7,573	6,248	8,028	6,514	8,573	6,725

HEATING PERFORMANCE

Outdoor Ambient Temperature (DB) (80% RH)	Indoor Entering Air Temperatures (DB)					
	65 F		70 F		75 F	
	TC	SHC	TC	SHC	TC	SHC
5 F	8,238	8,238	7,880	7,880	7,628	7,628
15 F	8,925	8,925	8,238	8,238	8,230	8,230
25 F	9,438	9,438	9,630	9,630	9,558	9,558
35 F	10,910	10,910	11,391	11,391	10,888	10,888
45 F	12,356	12,356	12,241	12,941	12,385	12,385
55 F	13,367	13,367	13,115	13,115	12,595	12,595
65 F	13,349	13,349	13,202	13,202	12,855	12,855

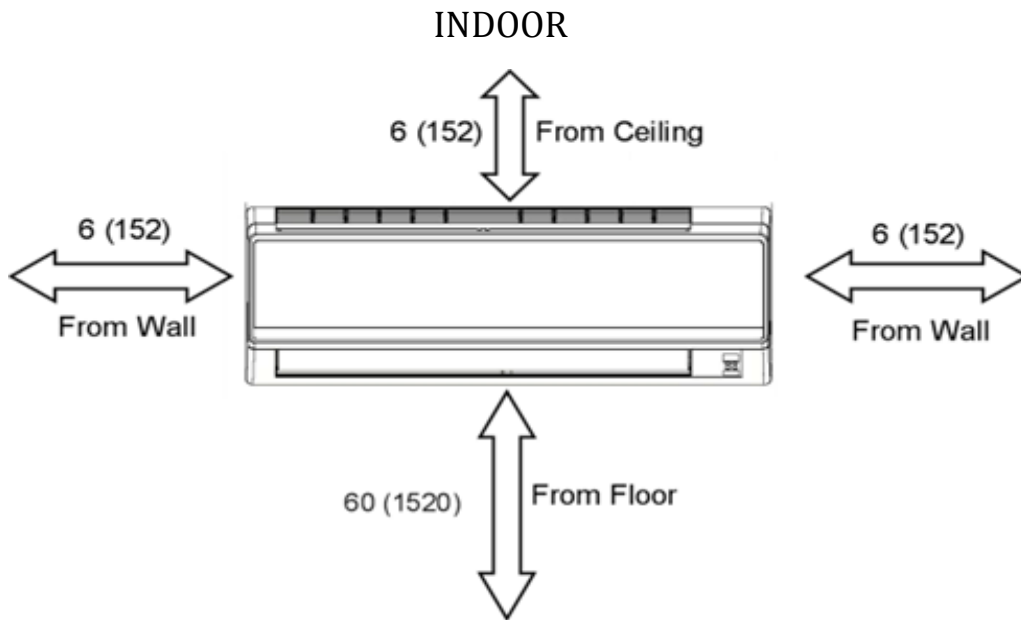
TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)

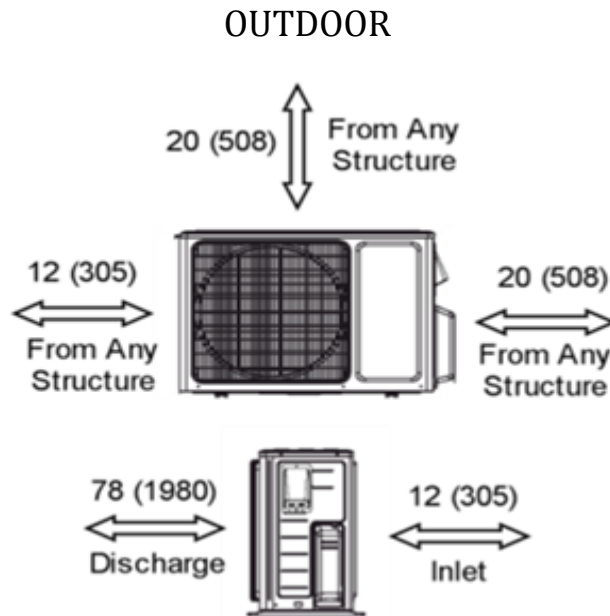


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



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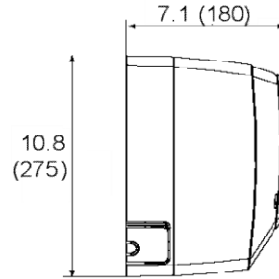
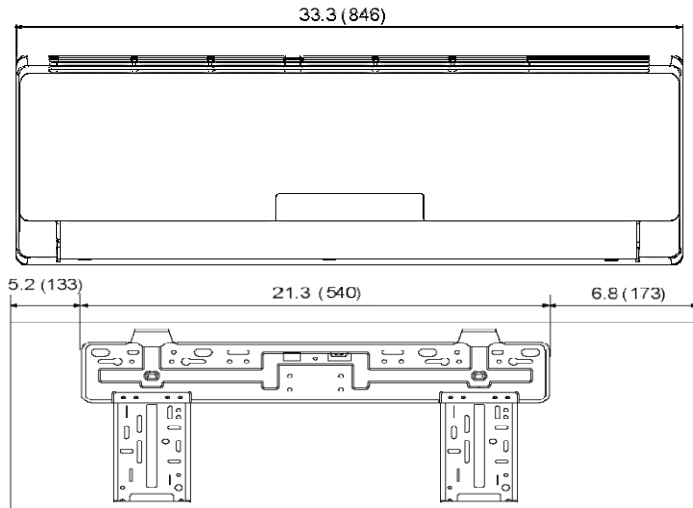


DIMENSIONAL SPECIFICATIONS

NEO09HP115V1A

INDOOR UNIT DIMENSIONS

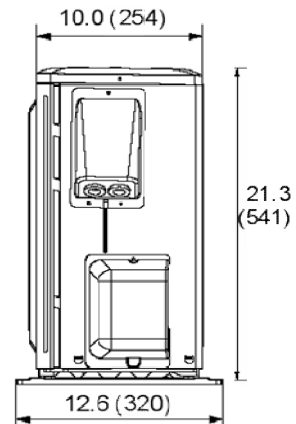
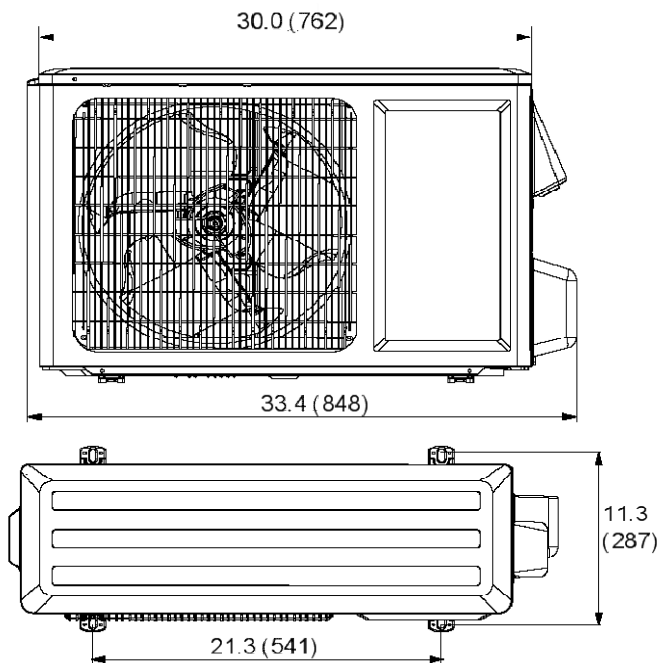
Units: inch (mm)



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared
Drain Connector	5/8-in OD

OUTDOOR UNIT DIMENSIONS

Units: inch (mm)



Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	3/8-in OD Flared

Notes:

1. Recommended Interconnecting Cable Type Stranded Bare Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.



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