

<b>Submittal Data: NEO12HP115V1A</b>		<b>12,000 BTU/H Wall Mounted Heat- Pump System</b>	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
Unit Designation		Schedule No.	
<b>GENERAL FEATURES</b> -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		 <p>AHRI Certified Ref No: 7181272</p>	
System Ratings		Indoor Unit Data	
<b>Cooling</b> Rated Capacity 12,000 BTU/H Capacity Range 2,661-13,307 BTU/H Power Input (Max) 1,180 W SEER 20 EER 12		<b>Fan Motor</b> Output Power 15 W FLA 0.3 A  <b>Airflow</b> Cooling Wet (Lo/Hi) 190/300 CFM Heating Dry (Lo/Hi) 207/317 CFM	
<b>Heating at 47° F</b> Rated Capacity 13,000 BTU/H Capacity Range 2,900-13,989 BTU/H Power Input (Max) 1,350 W HSPF 9.6 COP 3.2		<b>Sound Pressure Level</b> Cooling (Lo/Hi) 33/40 db(A) Heating (Lo/Hi) 33/40 db(A)	
<b>Heating at 17° F</b> Rated Capacity 7,900 BTU/H Capacity (Max) 11,000 BTU/H Power Input (Max) 1,142 W COP 1.6		<b>Dimensions &amp; Weights</b> Unit Dimensions (LxHxD) 33.3 x 10.8 x 7.1-in Weight (Net/Shipping) 21/28 LBS	
Operating Range		Outdoor Unit Data	
Cooling (Max) 109°F (43 C) (Min) 5°F (-15 C) Heating (Max) 75°F (24 C) (Min) 5°F (-15 C)		<b>Compressor</b> DC Inverter Driven Rotary <b>Refrigerant Type</b> R410A <b>Fan Motor</b> Output Power 30 W FLA 0.5 A  <b>Sound Pressure</b> Cooling 52 db(A) Heating 52 db(A)	
<b>Power Supply</b> 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		<b>Dimensions &amp; Weights</b> Unit Dimensions (LxHxD) 33.4 x 21.3 x 12.6 -in Weight (Net/Shipping) 76/85 LBS	
		<b>Refrigerant Piping Data</b> Gas Pipe Size (OD) 3/8-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared MAX Refrigerant Pipe Length 66-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	14,981	11,106	16,191	11,696	17,276	12,450
35 F	14,647	11,087	15,552	11,358	16,340	11,791
45 F	13,917	10,684	14,882	11,030	15,944	11,541
55 F	13,400	10,345	14,280	10,706	15,306	11,189
65 F	12,940	10,051	14,254	10,796	15,106	11,047
75 F	12,437	9,705	13,403	10,287	14,394	10,623
85 F	11,950	9,450	12,808	9,893	13,859	10,391
95 F	11,330	9,056	12,192	9,704	13,298	9,987
105 F	10,705	8,692	11,547	9,185	12,517	9,617
115 F	10,080	8,343	10,722	8,684	11,435	8,928

**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	9,129	9,129	8,576	8,576	8,352	8,352
15 F	11,482	11,482	10,858	10,858	10,513	10,513
25 F	11,727	11,727	11,566	11,566	11,361	11,361
35 F	12,747	12,747	12,516	12,516	12,410	12,410
45 F	14,053	14,053	13,849	13,849	13,411	13,411
55 F	14,368	14,368	14,103	14,103	13,987	13,987
65 F	14,314	14,314	14,231	14,231	14,131	14,131

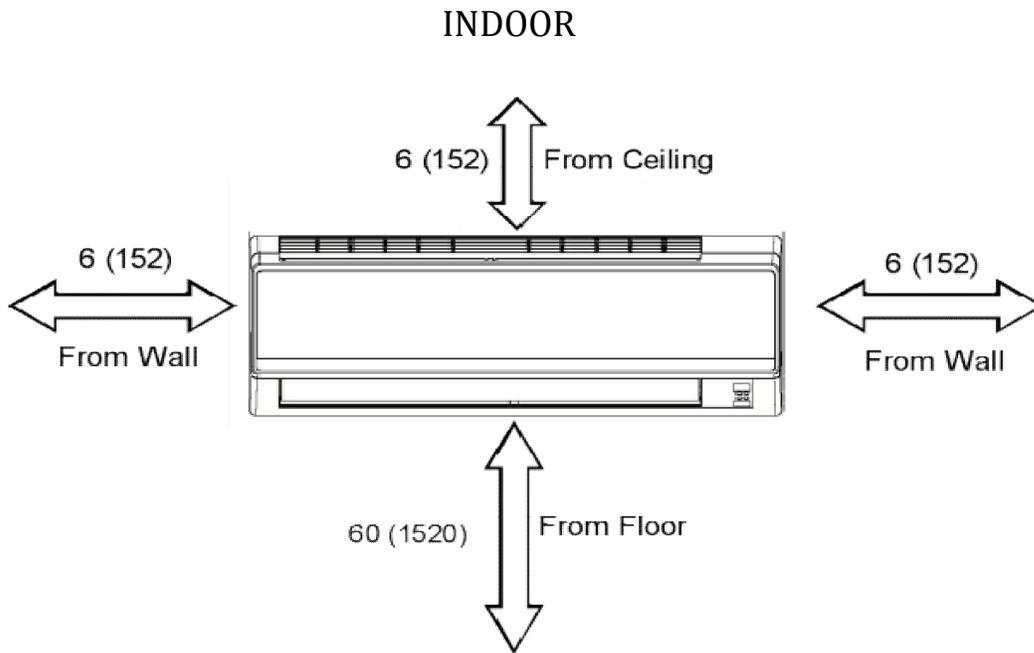
TC- Total Capacity ( BtuH)

SHC- Sensible Capacity (BtuH)

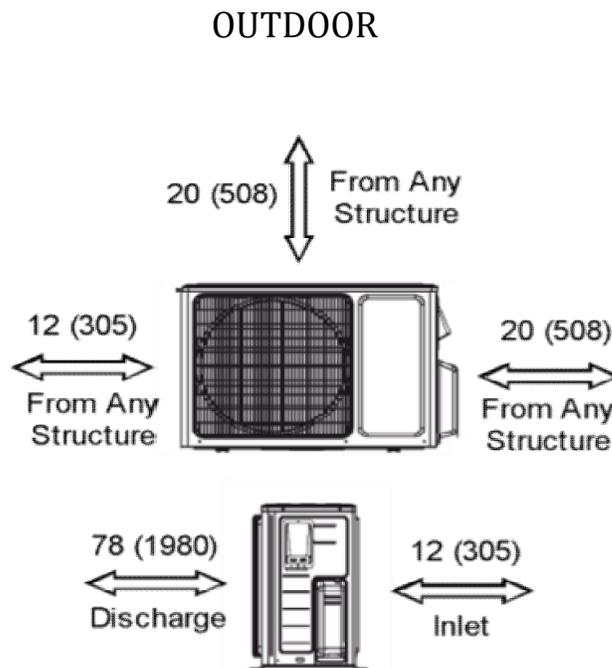


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



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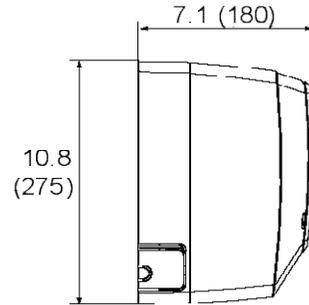
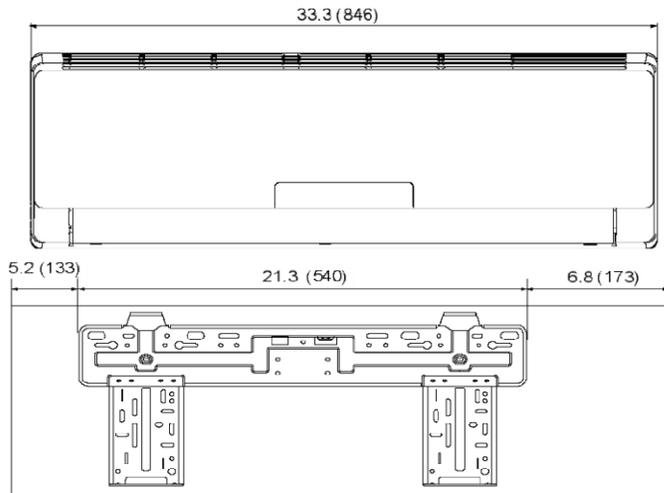


## DIMENSIONAL SPECIFICATIONS

**NEO12HP115V1A**

### INDOOR UNIT DIMENSIONS

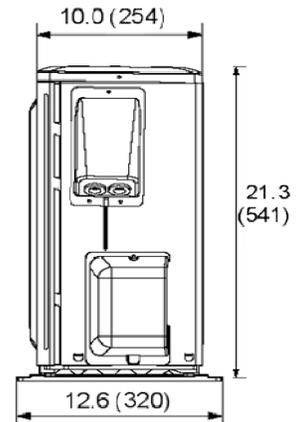
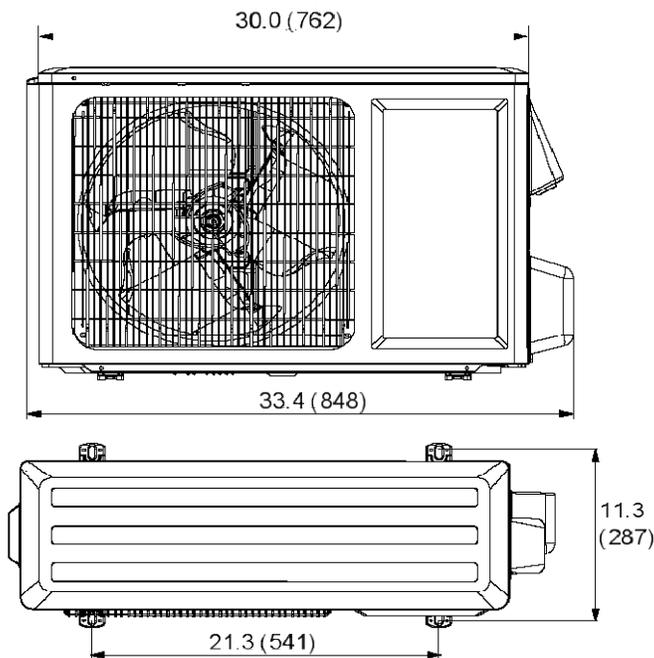
Units: inch (mm)



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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