

Submittal Data: NEO36HP230V1A 36,000 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
 - Low Ambient Cool to 5 deg F
 - Intelligent Defrost
 - Gold Fin Condenser Coil
 - 5 year Limited Parts Warranty
 - 7 year Limited Compressor Warranty



System Ratings

Cooling	
Rated Capacity	33,600 BTU/H
Capacity Range	7,400-36,000 BTU/H
Power Input (Max)	4,300 W
SEER	16
EER	8.2

Indoor Unit Data

Fan Motor	Output Power	70 W
	FLA	0.5 A
Airflow		
Cooling	Wet (Lo/Hi)	412/736 CFM
Heating	Dry (Lo/Hi)	831/896 CFM
Sound Pressure Level		
Cooling	(Lo/Hi)	49/59 db(A)
Heating	(Lo/Hi)	49/59 db(A)
Dimensions & Weights		
Unit Dimensions (LxHxD)		53.1 x 12.8 x 10.0-in
Weight (Net/Shipping)		44/60 LBS

Heating at 47° F	
Rated Capacity	34,600 BTU/H
Capacity Range	15,000-36,000 BTU/H
Power Input (Max)	4,300 W
HSPF	8.2
COP	2.5

Outdoor Unit Data

Compressor	DC Inverter Driven Rotary	
Refrigerant Type	R410A	
Fan Motor	Output Power	120 W
	FLA	0.7 A
Sound Pressure		
Cooling	65 db(A)	
Heating	65 db(A)	
Dimensions & Weights		
Unit Dimensions (LxHxD)	38.6 x 31.1 x 16.8 -in	
Weight (Net/Shipping)	161/170 LBS	

Heating at 17° F	
Rated Capacity	20,600 BTU/H
Capacity (Max)	26,495 BTU/H
Power Input (Max)	3,165 W
COP	2.1

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	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
Main Power Wire Size	8-2 AWG
Interconnecting Cable Wire Size	14-4 AWG
MCA	24.0 A
MOCP/Breaker Size	40 A

Refrigerant Piping Data	
Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	1/4-in
Connection Method	Flared
MAX Refrigerant Pipe Length	100-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	39,451	30,156	41,268	32,145	43,267	33,687
35 F	37,812	29,781	40,234	31,124	42,264	32,146
45 F	36,789	28,457	39,124	30,124	41,256	30,891
55 F	35,456	28,145	38,452	29,145	40,257	30,458
65 F	34,597	27,594	36,756	28,157	39,257	29,123
75 F	33,569	26,987	35,897	27,598	38,947	28,942
85 F	32,158	25,678	34,589	26,571	37,896	27,569
95 F	30,259	24,897	33,878	25,756	35,254	26,594
105 F	29,129	24,295	32,795	24,129	35,020	25,674
115 F	28,874	23,253	29,920	24,235	31,960	25,025

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	24,235	24,235	22,175	22,175	21,457	21,457
15 F	25,687	25,687	24,712	24,712	23,584	23,584
25 F	29,574	29,574	28,475	28,475	26,475	26,475
35 F	32,154	32,154	31,257	31,257	27,481	27,481
45 F	34,214	34,214	33,241	33,241	30,118	30,118
55 F	35,127	35,127	34,145	34,145	31,245	31,245
65 F	36,471	36,471	35,122	35,122	32,014	32,014

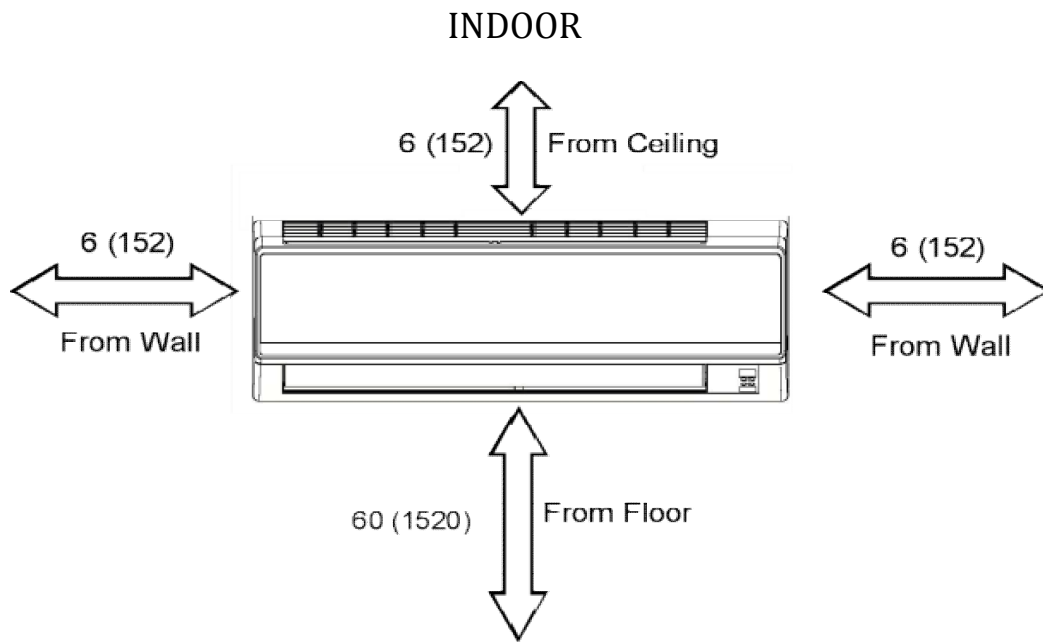
TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)

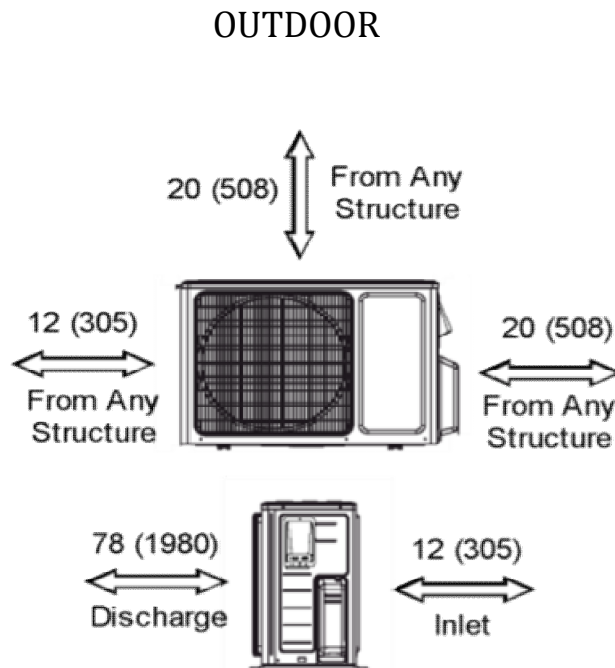


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



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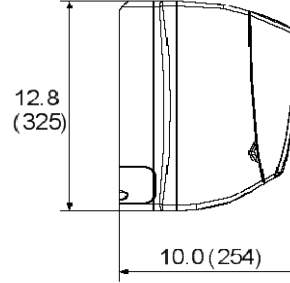
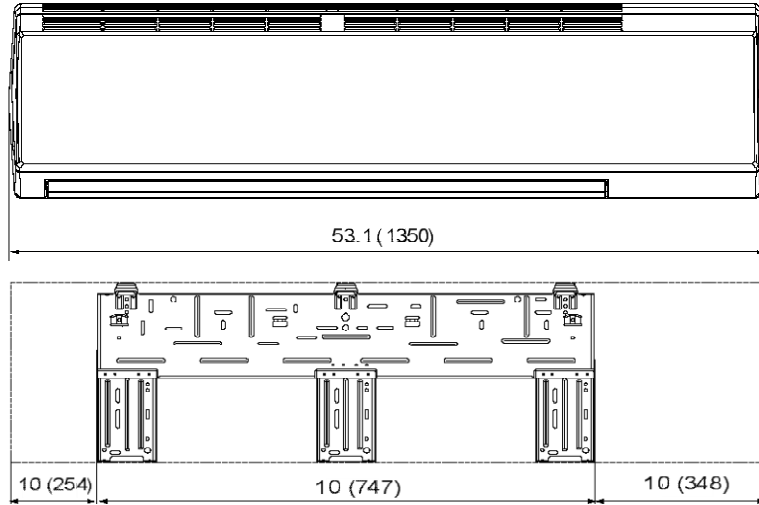


DIMENSIONAL SPECIFICATIONS

NEO36HP230V1A

INDOOR UNIT DIMENSIONS

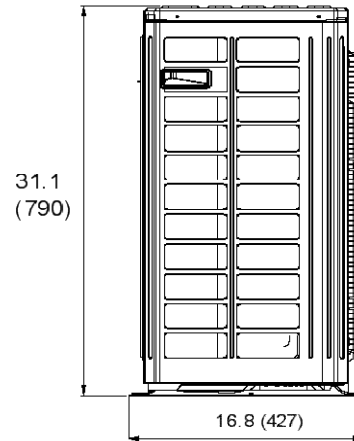
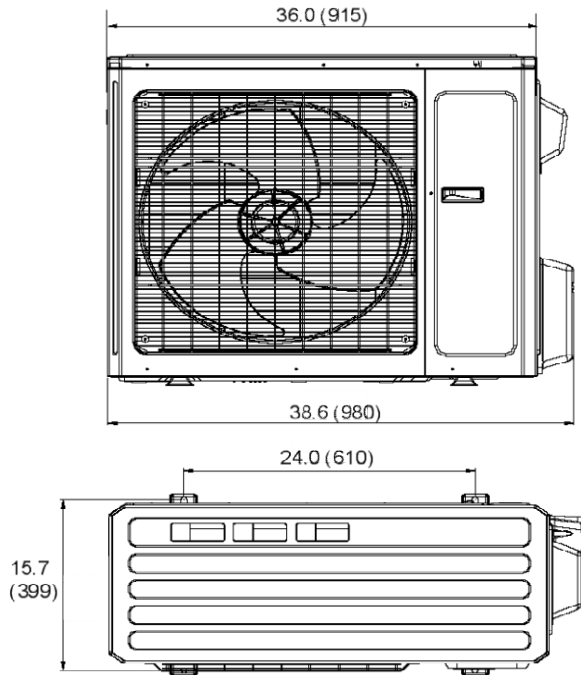
Units: inch (mm)



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