

Haier

Submittals

Novel Series

Rev. Jan. 2017



HSU09VHG(DB)-G / HSU09VHG(DB)-W

HSU12VHG(DB)-G / HSU12VHG(DB)-W

HSU18VHG(DB)-G / HSU18VHG(DB)-W

HSU24VHG(DB)-G / HSU24VHG(DB)-W



HaierAmerica

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Revision History

<p>Rev. Jan. 2017 - <i>Submittal edition release.</i></p>
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Haier Novel Series Submittal

9,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU09VHG(DB)-G / HSU09VHG(DB)-W

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

Submitted By: _____

Unit: _____

Drawing #: _____



Accessories

Remote Controller

Ships with YR-HD

Electrical Requirement

Power Supply	208/230V, 1 Phase, 60 HZ
Operating Voltage Range	187-253 VAC
Recommended Fuse/Breaker Size	15A
MCA	15A

Operating Range

Cooling	41~115°F (5~46°C)
Heating	5~75°F (-15~24°C)

Cooling Performance

Rated Cooling Capacity	8,500 BTU
Cooling Capacity Range	3,920~10,920 BTU
Rated Power input	650 W
SEER	18.0
EER	13.0

Heating Performance

Rated Heating Capacity	9,000 BTU
Heating Capacity Range	3,920~12,000 BTU
HSPF	10.0

Pipe Length

Maximum Pipe Length	50 ft
Maximum Pipe Height Difference	33 ft
Connection	1/4" (Discharge) 3/8" (Suction) Flare

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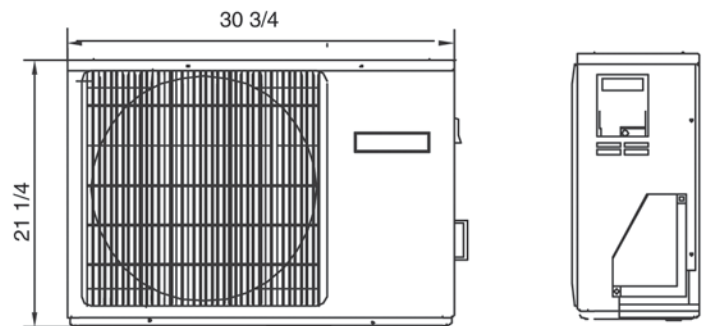
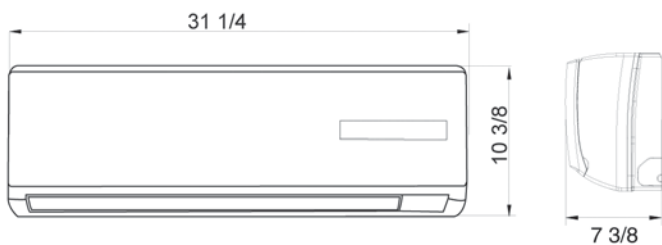
Haier Novel Series Submittal

9,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU09VHG(DB)-G / HSU09VHG(DB)-W

Indoor Unit	
Uncrated Dimension (HxWxD)	10 3/8 x 31 1/4 x 7 3/8 in (265 x 795 x 187 mm)
Crated (HxWxD)	14 1/8 x 34 1/4 x 12 in (360 x 871 x 304 mm)
Airflow CFM (High/Med/Low)	295/235/175
Indoor Sound Level dB (High/Med/Low)	39/36/30
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	24.9/19.4 lbs

Outdoor Unit	
Compressor	DC inverter Driven Rotary
Uncrated Dimension (HxWxD)	21 1/4 x 30 3/4 x 9 5/8 in (540 x 780 x 245 mm)
Crated (HxWxD)	24 1/8 x 36 5/8 x 13 3/8 in (614 x 930 x 340 mm)
Outdoor Sound Rating dB	53
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	77.2/71.0 lbs
Factory Refrigerant Charge	R-410A (35.3 oz)



Heating Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	60°F (16°C)		70°F (21°C)		77°F (25°C)	
	Maximum Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)
5°F (-15°C)	5,690	600	5,600	640	4,630	700
17°F (-8°C)	7,870	650	7,500	640	6,640	770
47°F (8°C)	10,880	740	10,140	820	9,190	890

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Cooling Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	70°F (21°C)		75°F (24°C)		80°F (27°C)	
	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)
65°F (18°C)	6,190	270	6,560	290	6,740	300
75°F (24°C)	10,160	720	10,460	720	10,650	740
85°F (29°C)	9,720	740	10,350	770	10,660	780
95°F (35°C)	8,470	770	8,940	810	9,220	820
105°F (41°C)	8,000	830	8,470	860	8,750	860
115°F (46°C)	5,540	400	6,120	460	6,270	460

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Haier Novel Series Submittal

12,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM HSU12VHG(DB)-G / HSU12VHG(DB)-W

Job Name: _____
 Purchaser: _____
 Submitted To: _____
 Construction: _____
 Reference: _____

Approval: _____
 Date: _____
 Submitted By: _____
 Unit: _____
 Drawing #: _____



Accessories

Remote Controller
 Ships with YR-HD

Electrical Requirement	
Power Supply	208/230V, 1 Phase, 60 HZ
Operating Voltage Range	187-253 VAC
Recommended Fuse/Breaker Size	15A
MCA	15A

Operating Range	
Cooling	41~115°F (5~46°C)
Heating	5~75°F (-15~24°C)

Cooling Performance	
Rated Cooling Capacity	11,900 BTU
Cooling Capacity Range	4,780~13,300 BTU
Rated Power input	920 W
SEER	20.0
EER	13.0

Heating Performance	
Rated Heating Capacity	12,600 BTU
Heating Capacity Range	5,120~13,990 BTU
HSPF	10.0

Pipe Length	
Maximum Pipe Length	50 ft
Maximum Pipe Height Difference	33 ft
Connection	1/4" (Discharge) 3/8" (Suction) Flare

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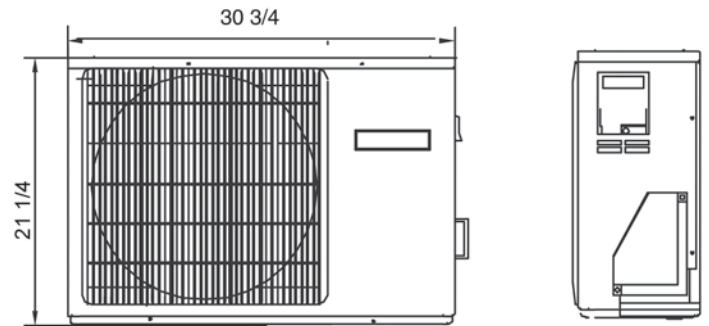
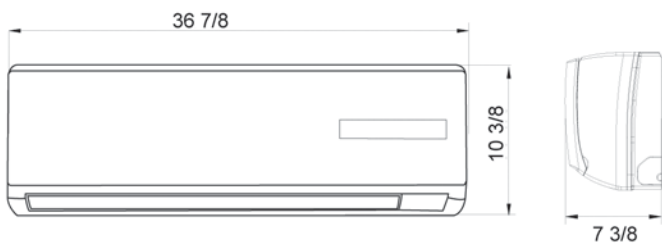
Haier Novel Series Submittal

12,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU12VHG(DB)-G / HSU12VHG(DB)-W

Indoor Unit	
Uncrated Dimension (HxWxD)	10 3/8 x 36 7/8 x 7 3/8 in (265 x 938 x 187 mm)
Crated (HxWxD)	14 1/8 x 40 x 12 in (360 x 1016 x 304 mm)
Airflow CFM (High/Med/Low)	370/290/210
Indoor Sound Level dB (High/Med/Low)	42/39/34
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	27.6/23.1 lbs

Outdoor Unit	
Compressor	DC inverter Driven Rotary
Uncrated Dimension (HxWxD)	21 1/4 x 30 3/4 x 9 5/8 in (540 x 780 x 245)
Crated (HxWxD)	28 1/8 x 36 5/8 x 13 3/8 in (714 x 930 x 340 mm)
Outdoor Sound Rating dB	53
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	84.9/78.3 lbs
Factory Refrigerant Charge	R-410A (38.1 oz)



Heating Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	60°F (16°C)		70°F (21°C)		77°F (25°C)	
	Maximum Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)
5°F (-15°C)	7,960	820	7,500	880	6,490	970
17°F (-8°C)	11,010	890	11,000	880	9,290	1,060
47°F (8°C)	15,230	1,020	14,190	1,120	12,870	1,230

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Cooling Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	70°F (21°C)		75°F (24°C)		80°F (27°C)	
	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)
65°F (18°C)	8,670	390	9,180	410	9,440	430
75°F (24°C)	14,220	1,020	14,640	1,020	14,920	1,050
85°F (29°C)	13,610	1,040	14,490	1,080	14,930	1,110
95°F (35°C)	11,860	1,090	12,520	1,150	12,910	1,160
105°F (41°C)	11,200	1,170	11,860	1,210	12,250	1,220
115°F (46°C)	7,750	570	8,570	650	8,770	650

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Haier Novel Series Submittal

18,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU18VHG(DB)-G / HSU18VHG(DB)-W

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

Submitted By: _____

Unit: _____

Drawing #: _____



Accessories

Remote Controller

Ships with YR-HD

Electrical Requirement	
Power Supply	208/230V, 1 Phase, 60 HZ
Operating Voltage Range	187-253 VAC
Recommended Fuse/Breaker Size	20A
MCA	15A

Operating Range	
Cooling	41~115°F (5~46°C)
Heating	5~75°F (-15~24°C)

Cooling Performance	
Rated Cooling Capacity	17,000 BTU
Cooling Capacity Range	5,460~19,110 BTU
Rated Power input	1,360 W
SEER	18.0
EER	12.5

Heating Performance	
Rated Heating Capacity	18,400 BTU
Heating Capacity Range	4,100~21,000 BTU
HSPF	8.5

Pipe Length	
Maximum Pipe Length	83 ft
Maximum Pipe Height Difference	50 ft
Connection	1/4" (Discharge) 1/2" (Suction) Flare

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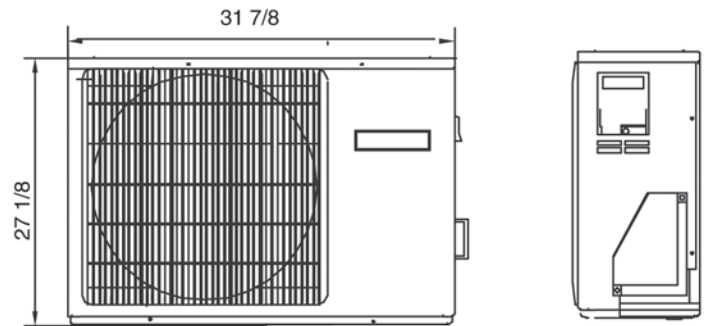
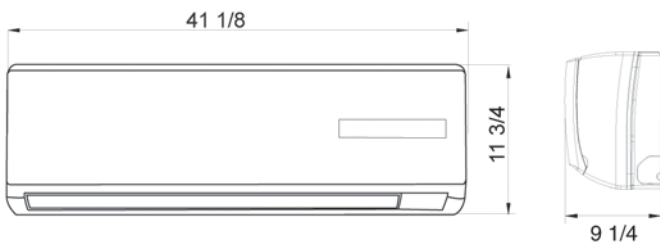
Haier Novel Series Submittal

18,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU18VHG(DB)-G / HSU18VHG(DB)-W

Indoor Unit	
Uncrated Dimension (HxWxD)	11 3/4 x 41 1/8 x 9 1/4 in (299 x 1046 x 234 mm)
Crated (HxWxD)	15 1/4 x 44 3/8 x 13 1/2 in (388 x 1126 x 344 mm)
Airflow CFM (High/Med/Low)	520/420/320
Indoor Sound Level dB (High/Med/Low)	47/44/40
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	36.4/28.7 lbs

Outdoor Unit	
Compressor	DC inverter Driven Rotary
Uncrated Dimension (HxWxD)	27 1/8 x 31 7/8 x 11 3/8 in (688 x 810 x 288 mm)
Crated (HxWxD)	29 3/8 x 37 3/8 x 16 in (745 x 949 x 406 mm)
Outdoor Sound Rating dB	54
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	100.3/94.8 lbs
Factory Refrigerant Charge	R-410A (54.7 oz)



Heating Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	60°F (16°C)		70°F (21°C)		77°F (25°C)	
	Maximum Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)
5°F (-15°C)	11,630	1,250	10,000	1,350	9,470	1,470
17°F (-8°C)	16,090	1,350	16,000	1,330	13,570	1,610
47°F (8°C)	22,240	1,550	20,720	1,710	18,790	1,860

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Cooling Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	70°F (21°C)		75°F (24°C)		80°F (27°C)	
	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)
65°F (18°C)	12,390	570	13,110	600	13,480	630
75°F (24°C)	20,310	1,510	20,910	1,510	21,310	1,550
85°F (29°C)	19,450	1,540	20,700	1,600	21,330	1,640
95°F (35°C)	16,940	1,620	17,880	1,700	18,450	1,720
105°F (41°C)	16,000	1,730	16,940	1,790	17,500	1,810
115°F (46°C)	11,070	840	12,240	960	12,530	970

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Haier Novel Series Submittal

24,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU24VHG(DB)-G / HSU24VHG(DB)-W

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

Submitted By: _____

Unit: _____

Drawing #: _____



Accessories

Remote Controller

Ships with YR-HD

Electrical Requirement	
Power Supply	208/230V, 1 Phase, 60 HZ
Operating Voltage Range	187-253 VAC
Recommended Fuse/Breaker Size	30A
MCA	18A

Operating Range	
Cooling	41~115°F (5~46°C)
Heating	5~75°F (-15~24°C)

Cooling Performance	
Rated Cooling Capacity	23,000 BTU
Cooling Capacity Range	6,800~25,200 BTU
Rated Power input	2,080 W
SEER	17.0
EER	11.1

Heating Performance	
Rated Heating Capacity	25,000 BTU
Heating Capacity Range	8,500~26,200 BTU
HSPF	8.5

Pipe Length	
Maximum Pipe Length	83 ft
Maximum Pipe Height Difference	50 ft
Connection	3/8" (Discharge) 5/8" (Suction) Flare

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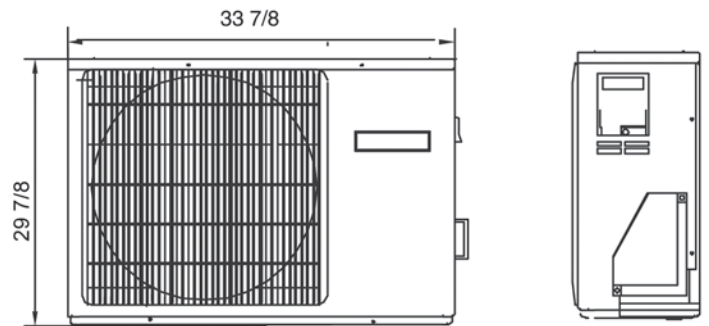
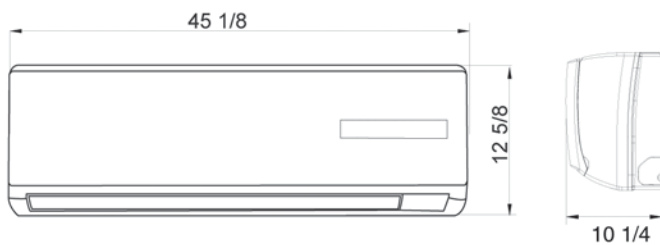
Haier Novel Series Submittal

24,000 BTU/HR WALL MOUNT HEAT PUMP SYSTEM

HSU24VHG(DB)-G / HSU24VHG(DB)-W

Indoor Unit	
Uncrated Dimension (HxWxD)	12 5/8 x 45 1/8 x 10 1/4 in (320 x 1147 x 261 mm)
Crated (HxWxD)	15 1/4 x 48 1/2 x 14 3/8 in (388 x 1233 x 364 mm)
Airflow CFM (High/Med/Low)	640/520/410
Indoor Sound Level dB (High/Med/Low)	47/44/41
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	43.0/36.4 lbs

Outdoor Unit	
Compressor	DC inverter Driven Rotary
Uncrated Dimension (HxWxD)	29 7/8 x 33 7/8 x 12 1/8 in (760 x 860 x 308 mm)
Crated (HxWxD)	32 1/8 x 39 1/8 x 16 1/2 in (815 x 995 x 420 mm)
Outdoor Sound Rating dB	56
Heat Exchanger Fin Type	Blue Fin
Weight (Ship/Net)	119.0/111.3 lbs
Factory Refrigerant Charge	R-410A (74.1 oz)



Heating Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	60°F (16°C)		70°F (21°C)		77°F (25°C)	
	Maximum Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)	Max Heating Capacity (Btu/h)	Power Usage (w)
5°F (-15°C)	16,200	1,880	16,000	2,020	12,870	2,210
17°F (-8°C)	21,850	2,030	21,000	2,000	18,430	2,420
47°F (8°C)	30,220	2,330	28,150	2,570	25,530	2,800

Capacity and power usage are measured under the assumption of indoor humidity of 46%

Cooling Capacity Data

Outdoor Air Temp DB	Indoor Set Temperature					
	70°F (21°C)		75°F (24°C)		80°F (27°C)	
	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)	Total Capacity (Btu/h)	Power Usage (w)
65°F (18°C)	17,190	890	18,210	940	18,710	980
75°F (24°C)	28,200	2,360	29,030	2,360	29,580	2,410
85°F (29°C)	27,000	2,400	28,740	2,500	29,610	2,550
95°F (35°C)	23,520	2,520	24,820	2,640	25,610	2,680
105°F (41°C)	22,210	2,700	23,520	2,790	24,300	2,820
115°F (46°C)	15,370	1,310	16,990	1,490	17,400	1,510

Capacity and power usage are measured under the assumption of indoor humidity of 46%