

Tempo SERIES



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Tempo Series offers efficiency and value with outstanding inverter technology performance. Capable of heating down to -4°F (-20°C), cooling up to 115°F (46°C), and available with capacities of 09k, 12k, 18k, and 24k. 09k and 12k available for both 115V and 208/230V. 24K, 30K, and 36K low ambient cooling down to -40F (with accessories) available.

Key Features*

- | | |
|---|--|
| <p>DC INVERTER</p> <p>A-PAM DC INVERTER
Latest high efficiency DC inverter technology</p> | <p>-4°F HEATING</p> <p>Low ambient heating down to -4°F (-20°C)</p> |
| <p>EASY INSTALLATION CLIP</p> <p>Built-in bracket allows more room to install and service</p> | <p>BLUE FIN</p> <p>A hydrophilic aluminum fin ensures condensing water flows smoothly</p> |
| <p>QUIET MODE</p> <p>Minimizes indoor noise while maintaining comfort levels</p> | <p>WARM START</p> <p>Ensures the fan will not blow cold air during heating mode startup</p> |
| <p>2-WAY PIPING DRAIN</p> <p>Right or left side drain configuration simplifies installation</p> | <p>TURBO MODE</p> <p>Cools or heats the room quickly</p> |
| <p>AUTO LOUVER</p> <p>Adjusts airflow upward when cooling, or downward when heating</p> | <p>115V EASY ELECTRIC WIRING</p> <p>9k and 12k available with 230V or 115V options</p> |
| <p>DRY</p> <p>DRY FUNCTION
Reduces indoor humidity level</p> | <p>CHILD LOCK</p> <p>Prevents unintended and unsupervised use</p> |

*Features vary by individual models.

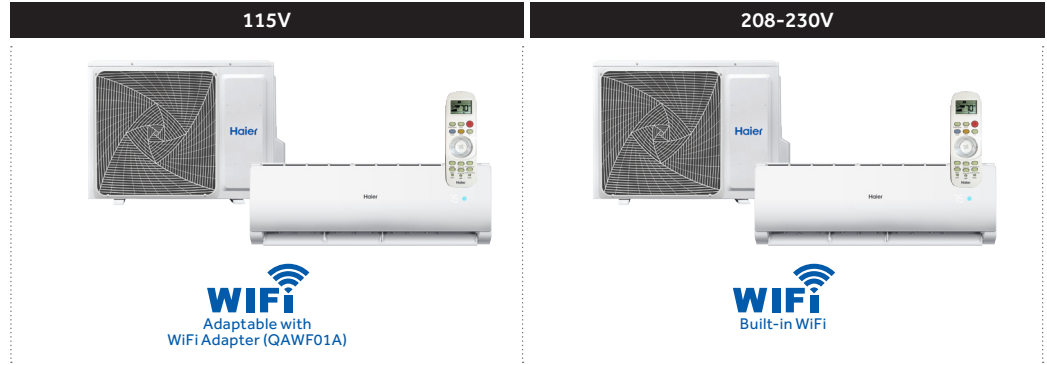
Single Zone Systems

Highwall Specifications



Compressor Type:
DC Inverter Driven Rotary

Voltage/Cycle/Phase:
115/60/1:
09TE1, 12TE1
208-230/60/1:
09TE2, 12TE2, 18TE2, 24TE2



		115V		208-230V	
		09TE1	12TE1	09TE2	12TE2
	Outdoor Unit	1U09TE1VHA	1U12TE1VHA	1U09TE2VHA	1U12TE2VHA
	UPC	688057408170	688057408194	084691855330	084691855354
	Indoor Unit	AW09TE1VHA	AW12TE1VHA	AW09TE2VHA	AW12TE2VHA
	UPC	688057408163	688057408187	084691855323	084691855347
Cooling	Rated Capacity Btu/hr	9,000	12,000	9,000	12,000
	Capacity Range Btu/hr	3,800-12,000	4,100-12,500	3,800-10,000	4,100-13,000
	SEER/SEER2	16.0/17.5	16.0/17.0	18.0/--	18.0/--
	EER/EER2	11.0/10.5	11.0/9.5	11.0/--	11.0/--
	Moisture Removal Pt./hr	2.5	3.4	2.3	3.4
Heating	Heating Capacity Range Btu/hr	4,100-12,000	4,500-16,000	4,100-11,000	4,500-13,000
	Rated Heating Capacity 47°F Btu/hr	10,000	12,000	10,000	12,000
	Max. Heating Capacity 5°F Btu/hr	6,600	8,000	6,000	8,500
	HSPF/HSPF2 (IV)/HSPF2 (V)	9.0/9.5/7.2	9.0/9.0/7.2	10.0/--/--	10.0/--/--
Operating Range	Cooling °F (°C)*	14-115°F (-10-46°C)	14-115°F (-10-46°C)	-4-115°F (-20-46°C)	-4-115°F (-20-46°C)
	Heating °F (°C)	-4-75°F (-20-24°C)	-4-75°F (-20-24°C)	-4-75°F (-20-24°C)	-4-75°F (-20-24°C)
Outdoor Unit	Maximum Fuse Size A	20	20	15	15
	Minimum Circuit Amp A	18	18	12	12
	Outdoor Noise Level dB	47	50	48	50
	Dimension: Height in (mm)	21 1/4 (540)	21 1/4 (540)	21 3/4 (553)	21 3/4 (553)
	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)	31 1/2 (800)	31 1/2 (800)
	Dimension: Depth in (mm)	9 5/8 (245)	9 5/8 (245)	10 7/8 (275)	10 7/8 (275)
Weight Ship/Net - lbs (kg)	66.2/58.4 (30/26.5)	71.7/63.9 (32.5/29)	76.1/63.5 (34.5/28.8)	82.2/69.7 (37.3/31.6)	
Indoor Unit	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto	5 + Auto
	Airflow CFM (Turbo/High/Med/Low/Quiet)	305/295/280/265/240	310/300/287/275/245	421/332/292/242/200	426/360/310/265/200
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	39/37/33/28/23	39/37/33/28/23	42/36/33/29/26	42/38/34/31/26
	Dimension: Height in (mm)	11 7/16 (290)	11 7/16 (290)	11 7/8 (301)	11 7/8 (301)
	Dimension: Width in (mm)	34 (864)	34 (864)	33 3/4 (856)	33 3/4 (856)
	Dimension: Depth in (mm)	7 7/8 (200)	7 7/8 (200)	7 3/4 (196)	7 3/4 (196)
	Weight Ship/Net - lbs (kg)	24.7/19.9 (11.2/9.0)	24.7/19.9 (11.2/9.0)	26.9/21.2 (12.2/9.6)	26.9/21.2 (12.2/9.6)
Refrigerant Lines	Connections	Flare	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4	1/4
	Suction O.D. in	3/8	3/8	3/8	3/8
	Factory Charge Oz	26.5	35.3	32.8	40.6
	Maximum Line Length Ft/m	66/20	66/20	66/20	66/20
	Maximum Height Ft/m	33/10	33/10	33/10	33/10

*Cooling below 23°F (-5°C) requires wind baffle.

Highwall Specifications



Compressor Type:
DC Inverter Driven Rotary

Voltage/Cycle/Phase:
208-230/60/1



	09TE2	12TE2	18TE2	24TE2
Outdoor Unit	1U09TE2HDA	1U12TE2HDA	1U18TE2HDA	1U24TE2HDA
UPC	084691914334	084691914341	084691882435	084691882442
Indoor Unit	AW09TC2HDA	AW12TC2HDA	AW18TC2HDA	AW24TC2HDA
UPC	084691885924	084691885931	084691895251	084691885948
Cooling				
Rated Capacity Btu/hr	9,000	12,000	18,000	24,000
Capacity Range Btu/hr	3,800-10,000	4,100-13,000	5,500-20,000	6,500-25,500
SEER2	19.0	19.0	19.0	19.0
EER2	11.0	11.0	11.0	9.5
23°F Cooling Without Wind Baffle	5,000	6,200	14,400	19,200
-4°F Cooling with Wind Baffle	5,200	6,800	18,000	24,000
Moisture Removal Pt./hr	2.3	3.4	3.6	4.9
Heating				
Heating Capacity Range Btu/hr	4,100-11,000	4,500-13,000	5,000-22,000	7,000-28,000
Rated Heating Capacity 47°F Btu/hr	10,000	12,000	19,000	24,600
COP @ 47°F	3.8	3.2	3.0	3.0
Max. Heating Capacity 5°F Btu/hr	7,000	8,400	13,000	16,700
COP @ 5°F	1.8	1.8	1.75	1.75
HSPF2 (IV)/HSPF2 (V)	9.0/7.1	9.2/7.2	9.0/7.8	9.0/7.8
Operating Range				
Cooling w/o Wind Baffle °F (°C)	23°F-115°F (-5-46°C)	23°F-115°F (-5-46°C)	23°F-115°F (-5-46°C)	23°F-115°F (-5-46°C)
Cooling w/Wind Baffle °F (°C)*	-4°F-115°F (-20-46°C)	-4°F-115°F (-20-46°C)	-4°F-115°F (-20-46°C)	-4°F-115°F (-20-46°C)
Heating °F(°C)	-4°F-75°F (-20-24°C)	-4°F-75°F (-20-24°C)	-4°F-75°F (-20-24°C)	-4°F-75°F (-20-24°C)
Outdoor Unit				
Maximum Fuse Size A	15	15	25	30
Minimum Circuit Amp A	12	12	18	23
Outdoor Noise Level dB	48	50	59	60
Dimension: Height in (mm)	21 3/4 (553)	21 3/4 (553)	27 7/16 (697)	27 7/16 (697)
Dimension: Width in (mm)	31 1/2 (800)	31 1/2 (800)	35 (890)	35 (890)
Dimension: Depth in (mm)	10 7/8 (275)	10 7/8 (275)	13 7/8 (353)	13 7/8 (353)
Carton Dimension: Height in (mm)	25 1/2 (645)	25 1/2 (645)	31 1/2 (800)	31 1/2 (800)
Carton Dimension: Width in (mm)	37 5/8 (954)	37 5/8 (954)	41 1/4 (1046)	41 1/4 (1046)
Carton Dimension: Depth in (mm)	16 1/8 (409)	16 1/8 (409)	18 1/8 (460)	18 1/8 (460)
Weight Ship/Net - lbs (kg)	76.1/63.5 (34.5/28.8)	82.2/69.7 (37.3/31.6)	117.5/100.0 (53.3/45.3)	119.9/102.3 (54.4/46.4)
Indoor Unit				
Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto	5 + Auto
Cooling Airflow CFM (Turbo/High/Med/Low/Quiet)	421/332/292/242/200	426/360/310/265/200	596/532/478/422/340	846/744/668/592/482
Heating Airflow CFM (Turbo/High/Med/Low/Quiet)	421/332/292/242/200	426/360/310/265/200	596/506/451/399/318	846/707/631/560/451
Indoor Motor Speed Cooling (RPM)	1250/1050/950/850/750	1250/1100/1000/900/750	1300/1150/1050/950/800	1300/1150/1050/950/800
Indoor Motor Speed Heating (RPM)	1200/970/870/770/700	1200/1020/920/820/700	1300/1100/1000/900/750	1300/1100/1000/900/750
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	42/36/33/29/26	42/38/34/31/26	50/46/44/40/35	54/50/47/44/38
Dimension: Height in (mm)	11 7/8 (301)	11 7/8 (301)	12 7/8 (327)	13 1/4 (337)
Dimension: Width in (mm)	33 3/4 (856)	33 3/4 (856)	39 3/8 (999)	44 (1115)
Dimension: Depth in (mm)	7 3/4 (196)	7 3/4 (196)	8 3/4 (223)	9 (230)
Carton Dimension: Height in (mm)	15 3/8 (389)	15 3/8 (389)	16 1/2 (420)	17 (432)
Carton Dimension: Width in (mm)	37 1/2 (952)	37 1/2 (952)	43 3/8 (1100)	47 3/8 (1202)
Carton Dimension: Depth in (mm)	11 1/8 (283)	11 1/8 (283)	12 3/8 (313)	12 5/8 (319)
Weight Ship/Net - lbs (kg)	26.9/21.2 (12.2/9.6)	26.9/21.2 (12.2/9.6)	34.8/28.1 (15.8/12.7)	43/34.9 (19.5/15.8)
Refrigerant Lines				
Connections	Flare	Flare	Flare	Flare
Liquid O.D. in	1/4	1/4	1/4	1/4
Suction O.D. in	3/8	3/8	1/2	1/2
Factory Charge Oz	32.8	40.6	49.4	51.2
Maximum Line Length Ft/m	66/20	66/20	83/25	83/25
Maximum Height Ft/m	33/10	33/10	50/15	50/15

*Cooling below 23°F (-5°C) requires wind baffle.

Single Zone Systems

-40°F Low Ambient Cooling

Specifications



Compressor Type:
DC Inverter Driven Rotary

Voltage/Cycle/Phase:
208-230/60/1



	24TL2	30TL2	36TL2
Outdoor Unit	1U24TL2HFA	1U3036TL2HFA	1U3036TL2HFA
UPC	084691882459	084691882466	084691882466
Indoor Unit	AW24TL2HFA	AW30TL2HFA	AW36TL2HFA
UPC	084691882534	084691882541	084691882558
Cooling			
Rated Capacity Btu/hr	23,000	30,000	33,000
Capacity Range Btu/hr	6,000-25,000	7,000-32,000	8,000-36,000
SEER2	20.0	18.0	17.5
EER2	11.0	9.5	8.0
23°F Cooling Without Wind Baffle	18,400	24,000	26,400
-4°F Cooling with Wind Baffle	23,000	30,000	33,000
-40°F Cooling w/dip switch + Wind Baffle and Snow Hood Btu/hr	23,000	30,000	33,000
Moisture Removal Pt./h	3.60	5.20	7.30
Heating			
Heating Capacity Range Btu/hr	6,000-28,000	7,000-34,000	8,000-39,000
Rated Heating Capacity 47°F Btu/hr	26,000	30,600	35,000
Max. Heating Capacity 5°F Btu/hr	21,800	21,800	22,000
COP 5°F	1.75	1.75	1.75
Max. Heating Capacity -4°F Btu/hr	12,900	18,600	20,000
HSPF2 (IV)/HSPF2 (V)	9.5/7.7	9.0/7.2	9.0/7.0
Operating Range			
Cooling w/o Wind Baffle °F (°C)	23-115°F (-5-46°C)	23-115°F (-5-46°C)	23-115°F (-5-46°C)
Cooling w/Wind Baffle °F (°C)*	-4-115°F (-20-46°C)	-4-115°F (-20-46°C)	-4-115°F (-20-46°C)
Cooling w/dip switch + Wind Baffle and Snow Hood °F (°C)*	-40-115°F (-40-46°C)	-40-115°F (-40-46°C)	-40-115°F (-40-46°C)
Heating °F (°C)	-4-75°F (-20-24°C)	-4-75°F (-20-24°C)	-4-75°F (-20-24°C)
Outdoor Unit			
Maximum Fuse Size A	30	30	30
Minimum Circuit Amp A	27	27	27
Outdoor Noise Level dB	61	62	62
Dimension: H x W x D in (mm)	30 (762) x 36 1/4 (920) x 15 1/8 (385)	30 (762) x 36 1/4 (920) x 15 1/8 (385)	30 (762) x 36 1/4 (920) x 15 1/8 (385)
Carton Dimension: H x W x D in (mm)	34 1/8 (868) x 42 3/4 (1085) x 19 1/8 (485)	34 1/8 (868) x 42 3/4 (1085) x 19 1/8 (485)	34 1/8 (868) x 42 3/4 (1085) x 19 1/8 (485)
Weight Ship/Net - lbs (kg)	165/145 (75/65.5)	165/145 (75/65.5)	165/145 (75/65.5)
Indoor Unit			
Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto
Indoor Motor Speed (Turbo/High/Med/Low/Quiet)	1150/1100/950/800/700	1200/1150/975/800/700	1250/1200/1000/800/700
Airflow CFM (Turbo/High/Med/Low/Quiet)	810/750/635/520/440	875/810/660/520/440	920/875/700/520/440
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	53/52/47/42/38	55/53/49/43/38	56/54/50/44/40
Dimension: H x W x D in (mm)	14 1/2 (365) x 51 7/8 (1316) x 10 7/8 (275)	14 1/2 (365) x 51 7/8 (1316) x 10 7/8 (275)	14 1/2 (365) x 51 7/8 (1316) x 10 7/8 (275)
Carton Dimension: H x W x D in (mm)	18 7/8 (478) x 55 7/8 (1418) x 15 7/8 (402)	18 7/8 (478) x 55 7/8 (1418) x 15 7/8 (402)	18 7/8 (478) x 55 7/8 (1418) x 15 7/8 (402)
Weight Ship/Net - lbs (kg)	56.2/46.3 (25.5/21)	56.2/46.3 (25.5/21)	56.2/46.3 (25.5/21)
Refrigerant Lines			
Connections	Flare	Flare	Flare
Liquid O.D. in	3/8	3/8	3/8
Suction O.D. in	5/8	5/8	5/8
Factory Charge Oz	84.7	84.7	84.7
Maximum Line Length Ft/m	165/50	165/50	165/50
Maximum Height Ft/m	100/30	100/30	100/30
Accessories			
Wind Baffle	UAWB46A	UAWB46A	UAWB46A
Snow Hood	UAWB82A	UAWB82A	UAWB82A

*Cooling below 23°F (-5°C) requires wind baffle.