

FEATURES

- Over 50 years of unit expertise and design
- Self-contained Heating and Cooling Packaged Unit
 - No need for outdoor units, line sets, or separate venting
 - Pre-wired and pre-charged

REFRIGERANT SYSTEM

- High-efficiency compressor standard on all models
- HWC*12P30 includes a two-stage high-efficiency compressor
- Copper tubing with enhanced aluminum fin coils
- Slide-out Cooling chassis for ease of service
- Anti-microbial evaporative drain pan
- Freeze Shield™ condensate trap on all HWC9 models†

HEAT EXCHANGER

- AFUE ratings up to 95%
- Stainless steel primary heat exchanger on all models
- Stainless steel secondary heat exchanger and transition box on HWC9 models
- Direct vent/sealed combustion

BLOWER

- Multi-speed blower motor for diverse airflow range
- Resilient motor mounts for smooth and quiet operation
- Internal washable filter is standard

CONTROLS

- Conventional 24V thermostat
 - One Stage Cool/Heat required up to 2 tons
 - Two Stage Cool/One Stage Heat for 2.5-ton model
- Color-coded wiring for ease of installation and service
- Diagnostic LED
- Easily accessible control box

WARRANTY

- Five (5) Year Limited Parts Warranty
- Twenty (20) Year Limited Stainless-Steel Heat Exchanger Warranty

FORM NO. HWC-100 (02/2021)

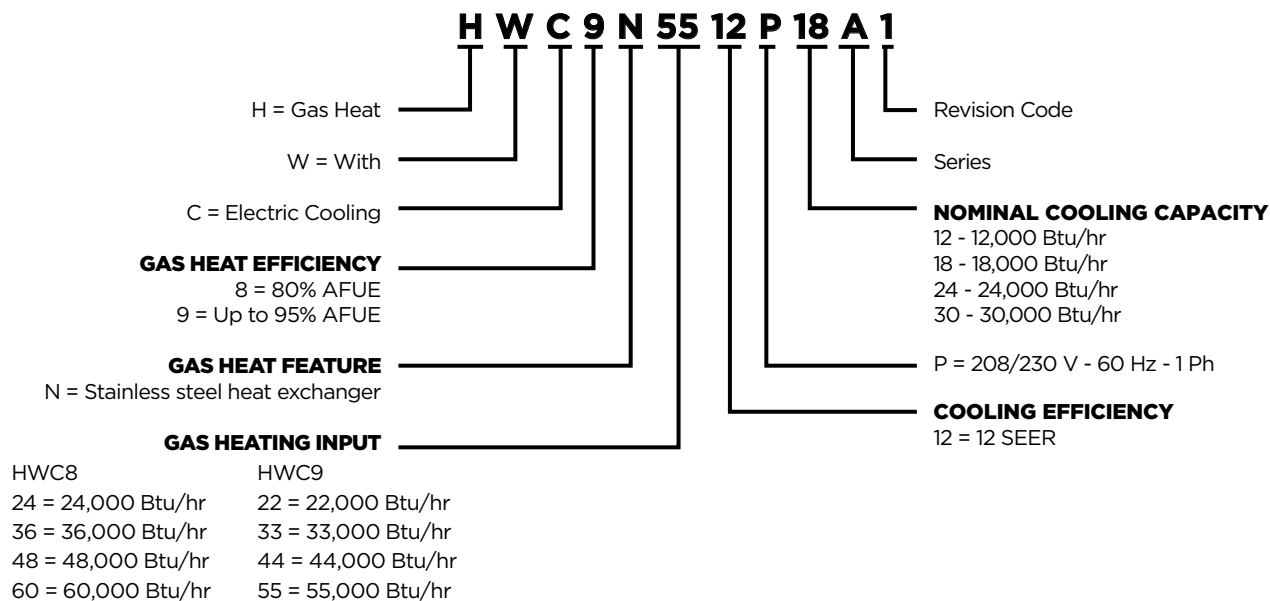
HWC MODEL UNITS GAS HEATING / ELECTRIC COOLING PACKAGED UNITS



† Patent Pending

NOTE: HWC8 not for sale in Canada

MODEL NUMBER GUIDE



ELECTRICAL AND PHYSICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amps	Max. Fuse/ HACR Brkr.	Compressor		Outside Fan				Indoor Blower			Refrig. Charge (oz.)	Weight (lbs.)		
					Rated Load Amps	Locked Rotor Amps	Dia. (in.)	Nom. RPM	Rated Load Amps	Rated HP	Wheel Dia. x Width	Rated Load Amps	Rated HP				
HWC8N2412P12A	208-230/60/1	197-253	9.4	15.0	4.9	27.0	18	1075	0.9	1/8	10 x 4.5	2.4	1/2	45	293		
HWC8N3612P12A					6.7	37.5			1.6	1/4				58	313		
HWC8N3612P18A																	
HWC8N4812P18A			12.4	25.0	10.2	61.6		1100	2.8	1/3				57	333		
HWC8N6012P18A																	
HWC8N3612P24A																	
HWC8N4812P24A																	
HWC8N6012P24A																	
HWC8N4812P30A			20.3	30	12.0	78.1		1200	2.8	1/3				60	339		
HWC8N6012P30A																	
HWC9N2212P12A	208-230/60/1	197-253	9.5	15.0	4.9	27.0	18	1075	0.9	1/8	10 x 4.5	2.4	1/2	45	293		
HWC9N3312P12A					6.7	37.5			1.8	1/4				58	313		
HWC9N3312P18A																	
HWC9N4412P18A			12.6	25.0	10.2	61.6		1100	2.8	1/3				57	333		
HWC9N5512P18A																	
HWC9N3312P24A																	
HWC9N4412P24A																	
HWC9N5512P24A																	
HWC9N4412P30A			20.3	30	12.0	78.1		1200	2.8	1/3				60	339		
HWC9N5512P30A																	

PERFORMANCE

Model	Cooling				Heating			
	Btuh	SEER	S/T	CFM	Input Btuh	Output Btuh	AFUE	Temp. Rise Range °F
HWC8N2412P12A	12,000	12	0.75	480	24,000	19,000	80	25-55
HWC8N3612P12A					36,000	28,500		35-65
HWC8N3612P18A	17,000	12	0.75	560	36,000	28,500		25-55
HWC8N4812P18A					48,000	38,000		35-65
HWC8N6012P18A					60,000	47,500		45-75
HWC8N3612P24A	22,800	12	0.75	770	36,000	28,500		25-55
HWC8N4812P24A					48,000	38,000		35-65
HWC8N6012P24A					60,000	47,500		45-75
HWC8N4812P30A	27,000	12	0.75	945	48,000	38,000		30-60
HWC8N6012P30A					60,000	47,500		45-75
HWC9N2212P12A	12,000	12	0.78	480	22,000	20,500	95	25-55
HWC9N3312P12A					33,000	31,000	95	35-65
HWC9N3312P18A	17,000	12	0.75	560	33,000	31,000	95	30-60
HWC9N4412P18A					44,000	41,000	95	35-65
HWC9N5512P18A					55,000	51,500	93	45-75
HWC9N3312P24A	22,800	12	0.75	770	33,000	31,000	95	30-60
HWC9N4412P24A					44,000	41,000	95	35-65
HWC9N5512P24A					55,000	51,500	93	45-75
HWC9N4412P30A	27,000	12	0.75	945	44,000	41,000	95	35-65
HWC9N5512P30A					55,000	51,500	93	45-75

ACCESSORIES

Description	Kit #	Where Used
LP KIT (0 - 4,500 FT)	ALPKT842	HWC8 Only
High Altitude Kit (NAT 4,500 - 8,000 ft.)	AHAKT01	
Decorative External Louver Clear Anodized Aluminum	ALVR42	
Decorative External Louver Painted Aluminum	ALVR42P	
LP KIT (0 - 4,500 FT)	ALPKT843	HWC9 Only
High Altitude Kit (NAT 4,500 - 8,000 ft.)	AHAKT02	
Decorative External Louver Clear Anodized Aluminum	ALVR43	
Decorative External Louver Painted Aluminum	ALVR43P	
Wall Sleeve	CA239	All HWCs

COOLING PERFORMANCE EXTENDED RATINGS

Model	Indoor Temp DB/WB °F	Outdoor Temperature - DB °F														
		65			85			95			105			115		
		Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW	Btuh	S/T	kW
HWC8N**12P12A	85/72	16,600	0.62	0.91	15,100	0.65	1.08	13,800	0.68	1.22	12,400	0.73	1.32	11,100	0.77	1.46
	80/67	15,400	0.69	0.92	13,900	0.74	1.07	12,500	0.77	1.21	11,300	0.84	1.31	9,700	0.89	1.45
	75/63	14,400	0.71	0.92	12,700	0.78	1.06	11,300	0.81	1.21	10,100	0.88	1.31	8,500	0.94	1.44
	75/57	13,100	1.00	0.92	11,900	1.00	1.06	10,800	1.00	1.20	9,600	1.00	1.30	8,200	1.00	1.43
HWC8N**12P18A	85/72	21,200	0.58	1.22	19,900	0.60	1.50	18,600	0.63	1.59	17,100	0.65	1.73	15,700	0.69	1.87
	80/67	20,000	0.66	1.22	18,600	0.72	1.49	17,200	0.73	1.59	15,700	0.79	1.72	14,100	0.80	1.86
	75/63	19,100	0.69	1.22	17,400	0.73	1.49	15,700	0.76	1.58	14,300	0.78	1.71	12,600	0.83	1.85
	75/57	16,800	1.00	1.22	15,600	1.00	1.48	14,300	1.00	1.57	13,100	1.00	1.70	11,500	1.00	1.84
HWC8N**12P24A	85/72	31,100	0.61	1.73	28,300	0.62	2.01	25,600	0.65	2.28	23,400	0.67	2.53	21,100	0.71	2.76
	80/67	28,400	0.67	1.71	25,700	0.69	2.00	23,000	0.73	2.27	20,900	0.75	2.52	19,100	0.79	2.74
	75/63	26,100	0.70	1.70	23,700	0.73	1.97	21,300	0.76	2.25	19,500	0.78	2.51	17,400	0.82	2.74
	75/57	22,500	1.00	1.69	21,200	1.00	1.95	19,800	1.00	2.23	18,500	1.00	2.51	16,800	1.00	2.72
HWC8N**12P30A	85/72	37,000	0.72	2.41	30,800	0.69	2.83	30,700	0.67	3.08	22,200	0.61	3.29	25,400	0.73	3.62
	80/67	36,700	0.69	2.44	29,700	0.81	2.82	27,400	0.75	3.04	24,200	0.83	3.30	22,400	0.82	3.57
	75/63	33,600	0.63	2.48	22,900	0.87	2.79	25,300	0.78	3.00	22,800	0.81	3.25	20,500	0.85	3.52
	75/57	30,900	1.00	2.50	28,100	1.00	2.79	23,600	1.00	2.97	21,500	1.00	3.22	19,500	1.00	3.51
HWC9N**12P12A	85/72	16,600	0.62	0.91	15,100	0.65	1.08	13,800	0.68	1.22	12,400	0.73	1.32	11,100	0.77	1.46
	80/67	15,400	0.69	0.92	13,900	0.74	1.07	12,500	0.77	1.21	11,300	0.84	1.31	9,700	0.89	1.45
	75/63	14,400	0.71	0.92	12,700	0.78	1.06	11,300	0.81	1.21	10,100	0.88	1.31	8,500	0.94	1.44
	75/57	13,100	1.00	0.92	11,900	1.00	1.06	10,800	1.00	1.20	9,600	1.00	1.30	8,200	1.00	1.43
HWC9N**12P18A	85/72	21,200	0.58	1.22	19,900	0.60	1.50	18,600	0.63	1.59	17,100	0.65	1.73	15,700	0.69	1.87
	80/67	20,000	0.66	1.22	18,600	0.72	1.49	17,200	0.73	1.59	15,700	0.79	1.72	14,100	0.80	1.86
	75/63	19,100	0.69	1.22	17,400	0.73	1.49	15,700	0.76	1.58	14,300	0.78	1.71	12,600	0.83	1.85
	75/57	16,800	1.00	1.22	15,600	1.00	1.48	14,300	1.00	1.57	13,100	1.00	1.70	11,500	1.00	1.84
HWC9N**12P24A	85/72	31,100	0.61	1.73	28,300	0.62	2.01	25,600	0.65	2.28	23,400	0.67	2.53	21,100	0.71	2.76
	80/67	28,400	0.67	1.71	25,700	0.69	2.00	23,000	0.73	2.27	20,900	0.75	2.52	19,100	0.79	2.74
	75/63	26,100	0.70	1.70	23,700	0.73	1.97	21,300	0.76	2.25	19,500	0.78	2.51	17,400	0.82	2.74
	75/57	22,500	1.00	1.69	21,200	1.00	1.95	19,800	1.00	2.23	18,500	1.00	2.51	16,800	1.00	2.72
HWC9N**12P30A	85/72	37,000	0.72	2.41	30,800	0.69	2.83	30,700	0.67	3.08	22,200	0.61	3.29	25,400	0.73	3.62
	80/67	36,700	0.69	2.44	29,700	0.81	2.82	27,400	0.75	3.04	24,200	0.83	3.30	22,400	0.82	3.57
	75/63	33,600	0.63	2.48	22,900	0.87	2.79	25,300	0.78	3.00	22,800	0.81	3.25	20,500	0.85	3.52
	75/57	30,900	1.00	2.50	28,100	1.00	2.79	23,600	1.00	2.97	21,500	1.00	3.22	19,500	1.00	3.51

HWC8 BLOWER PERFORMANCE

SUPPLY AIRFLOW PERFORMANCE (SCFM) AS A FUNCTION OF EXTERNAL STATIC PRESSURE												
Model	Rise Range (°F)	Mid Rise (°F)	Indoor Blower Speed	Unit Voltage (V)	0.1" w.c.		0.2" w.c.		0.3" w.c.		0.4" w.c.	
					SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)
HWC8N2412P12A	25 - 55	40	TAP 1 (HEAT) *	208 or 230	455	39	415	43	385	46	355	50
			TAP 2 (HEAT)	208 or 230	570	31	540	33	510	35	485	37
			TAP 3 (HEAT)	208 or 230	655	27	625	28	595	30	575	31
			TAP 4 (COOL) †	208 or 230	480		460		440		415	
			TAP 5 (COOL)	208 or 230	530		505		485		460	
HWC8N3612P12A	35 - 65	50	TAP 1 (HEAT)	208 or 230	455	59	415	N/A	385	N/A	355	N/A
			TAP 2 (HEAT) *	208 or 230	570	47	540	50	510	53	485	55
			TAP 3 (HEAT)	208 or 230	655	41	625	43	595	45	575	47
			TAP 4 (COOL) †	208 or 230	480		460		440		415	
			TAP 5 (COOL)	208 or 230	530		505		485		460	
HWC8N3612P18A	25 - 55	40	TAP 1 (HEAT) *	208 or 230	630	42	600	44	570	47	550	48
			TAP 2 (HEAT)	208 or 230	770	35	740	36	715	37	690	39
			TAP 3 (HEAT)	208 or 230	885	30	855	31	830	32	810	33
			TAP 4 (COOL) †	208 or 230	560		540		520		500	
			TAP 5 (COOL)	208 or 230	610		580		560		535	
HWC8N4812P18A	35 - 65	50	TAP 1 (HEAT)	208 or 230	630	56	600	59	570	62	550	N/A
			TAP 2 (HEAT) *	208 or 230	770	46	740	48	715	50	690	52
			TAP 3 (HEAT)	208 or 230	885	40	855	42	830	43	810	44
			TAP 4 (COOL) †	208 or 230	560		540		520		500	
			TAP 5 (COOL)	208 or 230	610		580		560		535	
HWC8N6012P18A	45 - 75	60	TAP 1 (HEAT)	208 or 230	630	71	600	N/A	570	N/A	550	N/A
			TAP 2 (HEAT)	208 or 230	770	58	740	60	715	62	690	64
			TAP 3 (HEAT) *	208 or 230	885	50	855	52	830	54	810	55
			TAP 4 (COOL) †	208 or 230	560		540		520		500	
			TAP 5 (COOL)	208 or 230	610		580		560		535	
HWC8N3612P24A	25 - 55	40	TAP 1 (HEAT) *	208 or 230	630	42	600	44	570	47	550	48
			TAP 2 (HEAT)	208 or 230	770	35	740	36	715	37	690	39
			TAP 3 (HEAT)	208 or 230	885	30	855	31	830	32	810	33
			TAP 4 (COOL) †	208 or 230	770		750		730		710	
			TAP 5 (COOL)	208 or 230	820		790		770		750	
HWC8N4812P24A	35 - 65	50	TAP 1 (HEAT)	208 or 230	645	55	615	58	590	60	565	63
			TAP 2 (HEAT) *	208 or 230	780	46	755	47	730	49	710	50
			TAP 3 (HEAT)	208 or 230	900	40	875	41	855	42	835	43
			TAP 4 (COOL) †	208 or 230	770		750		730		710	
			TAP 5 (COOL)	208 or 230	820		790		770		750	
HWC8N6012P24A	45 - 75	60	TAP 1 (HEAT)	208 or 230	645	69	615	72	590	N/A	565	N/A
			TAP 2 (HEAT)	208 or 230	780	57	755	59	730	61	710	63
			TAP 3 (HEAT) *	208 or 230	900	49	875	51	855	52	835	53
			TAP 4 (COOL) †	208 or 230	770		750		730		710	
			TAP 5 (COOL)	208 or 230	820		790		770		750	

N/A: Do not operate unit in heating mode using this blower speed at this external static pressure outside of the proper temperature rise range.

NOTE: HWC**30A models shipped with Low and High stage Cooling taps connected for use of the two-stage system.

* As shipped speed for Heating operation

† As shipped speed for Cooling operation

HWC8 BLOWER PERFORMANCE

SUPPLY AIRFLOW PERFORMANCE (SCFM) AS A FUNCTION OF EXTERNAL STATIC PRESSURE												
Model	Rise Range (°F)	Mid Rise (°F)	Indoor Blower Speed	Unit Voltage (V)	0.1" w.c.		0.2" w.c.		0.3" w.c.		0.4" w.c.	
					SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)
HWC8N4812P30A	30-60	45	TAP 1 (HEAT) *	208 or 230	780	46	755	47	730	49	710	50
			TAP 2 (HEAT)	208 or 230	900	40	875	41	855	42	835	43
			TAP 3 (COOL) †	208 or 230	530		510		490		465	
			TAP 4 (COOL)	208 or 230	570		545		530		505	
			TAP 5 (COOL) †	208 or 230	945		920		900		885	
HWC8N6012P30A	45 - 75	60	TAP 1 (HEAT)	208 or 230	780	57	755	59	730	61	710	63
			TAP 2 (HEAT) *	208 or 230	900	49	875	51	855	52	835	53
			TAP 3 (COOL) †	208 or 230	530		510		490		465	
			TAP 4 (COOL)	208 or 230	570		545		530		505	
			TAP 5 (COOL) †	208 or 230	945		920		900		885	

N/A: Do not operate unit in heating mode using this blower speed at this external static pressure outside of the proper temperature rise range.

NOTE: HWC**30A models shipped with Low and High stage Cooling taps connected for use of the two-stage system.

* As shipped speed for Heating operation

† As shipped speed for Cooling operation

HWC9 BLOWER PERFORMANCE

SUPPLY AIRFLOW PERFORMANCE (SCFM) AS A FUNCTION OF EXTERNAL STATIC PRESSURE												
Model	Rise Range (°F)	Mid Rise (°F)	Indoor Blower Speed	Unit Voltage (V)	0.1" w.c.		0.2" w.c.		0.3" w.c.		0.4" w.c.	
					SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)
HWC9N2212P12A	25 - 55	40	TAP 1 (HEAT) *	208 or 230	455	42	415	46	385	50	355	54
			TAP 2 (HEAT)	208 or 230	570	34	540	36	510	38	485	40
			TAP 3 (HEAT)	208 or 230	655	29	625	31	595	32	575	33
			TAP 4 (COOL) †	208 or 230	480		460		440		415	
			TAP 5 (COOL)	208 or 230	530		505		485		460	
HWC9N3312P12A	35 - 65	50	TAP 1 (HEAT)	208 or 230	455	63	415	N/A	385	N/A	355	N/A
			TAP 2 (HEAT) *	208 or 230	570	50	540	53	510	56	485	59
			TAP 3 (HEAT)	208 or 230	655	44	625	46	595	48	575	50
			TAP 4 (COOL) †	208 or 230	480		460		440		415	
			TAP 5 (COOL)	208 or 230	530		505		485		460	
HWC9N3312P18A	30 - 60	45	TAP 1 (HEAT) *	208 or 230	630	45	600	48	570	50	550	52
			TAP 2 (HEAT)	208 or 230	770	37	740	39	715	40	690	42
			TAP 3 (HEAT)	208 or 230	885	32	855	34	830	35	810	35
			TAP 4 (COOL) †	208 or 230	560		540		520		500	
			TAP 5 (COOL)	208 or 230	610		580		560		535	
HWC9N4412P18A	35 - 65	50	TAP 1 (HEAT)	208 or 230	630	61	600	64	570	N/A	550	N/A
			TAP 2 (HEAT) *	208 or 230	770	50	740	52	715	54	690	56
			TAP 3 (HEAT)	208 or 230	885	43	855	45	830	46	810	47
			TAP 4 (COOL) †	208 or 230	560		540		520		500	
			TAP 5 (COOL)	208 or 230	610		580		560		535	

N/A: Do not operate unit in heating mode using this blower speed at this external static pressure outside of the proper temperature rise range.

NOTE: HWC**30A models shipped with Low and High stage Cooling taps connected for use of the two-stage system.

* As shipped speed for Heating operation

† As shipped speed for Cooling operation

HWC9 BLOWER PERFORMANCE

SUPPLY AIRFLOW PERFORMANCE (SCFM) AS A FUNCTION OF EXTERNAL STATIC PRESSURE												
Model	Rise Range (°F)	Mid Rise (°F)	Indoor Blower Speed	Unit Voltage (V)	0.1" w.c.		0.2" w.c.		0.3" w.c.		0.4" w.c.	
					SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)	SCFM	Temp Rise (°F)
HWC9N5512P18A	45 - 75	60	TAP 1 (HEAT)	208 or 230	630	N/A	600	N/A	570	N/A	550	N/A
			TAP 2 (HEAT)	208 or 230	770	61	740	64	715	66	690	68
			TAP 3 (HEAT) *	208 or 230	885	53	855	55	830	57	810	58
			TAP 4 (COOL) †	208 or 230	560		540		520		500	
			TAP 5 (COOL)	208 or 230	610		580		560		535	
HWC9N3312P24A	30 - 60	45	TAP 1 (HEAT) *	208 or 230	645	44	615	47	590	49	565	51
			TAP 2 (HEAT)	208 or 230	780	37	755	38	730	39	710	40
			TAP 3 (HEAT)	208 or 230	900	32	875	33	855	34	835	34
			TAP 4 (COOL) †	208 or 230	770		750		730		710	
			TAP 5 (COOL)	208 or 230	820		790		770		750	
HWC9N4412P24A	25 - 55	40	TAP 1 (HEAT)	208 or 230	645	59	615	62	590	65	565	N/A
			TAP 2 (HEAT) *	208 or 230	780	49	755	51	730	52	710	54
			TAP 3 (HEAT)	208 or 230	900	43	875	44	855	45	835	46
			TAP 4 (COOL) †	208 or 230	770		750		730		710	
			TAP 5 (COOL)	208 or 230	820		790		770		750	
HWC9N5512P24A	35 - 65	50	TAP 1 (HEAT)	208 or 230	645	73	615	N/A	590	N/A	565	N/A
			TAP 2 (HEAT)	208 or 230	780	61	755	63	730	65	710	67
			TAP 3 (HEAT) *	208 or 230	900	53	875	54	855	55	835	57
			TAP 4 (COOL) †	208 or 230	770		750		730		710	
			TAP 5 (COOL)	208 or 230	820		790		770		750	
HWC9N4412P30A	35-65	50	TAP 1 (HEAT) *	208 or 230	780	49	755	51	730	52	710	54
			TAP 2 (HEAT)	208 or 230	900	43	875	44	855	45	835	46
			TAP 3 (COOL) †	208 or 230	530		510		490		465	
			TAP 4 (COOL)	208 or 230	570		545		530		505	
			TAP 5 (COOL) †	208 or 230	945		920		900		885	
HWC9N5512P30A	45-75	60	TAP 1 (HEAT)	208 or 230	780	61	755	63	730	65	710	67
			TAP 2 (HEAT) *	208 or 230	900	53	875	54	855	55	835	57
			TAP 3 (COOL) †	208 or 230	530		510		490		465	
			TAP 4 (COOL)	208 or 230	570		545		530		505	
			TAP 5 (COOL) †	208 or 230	945		920		900		885	

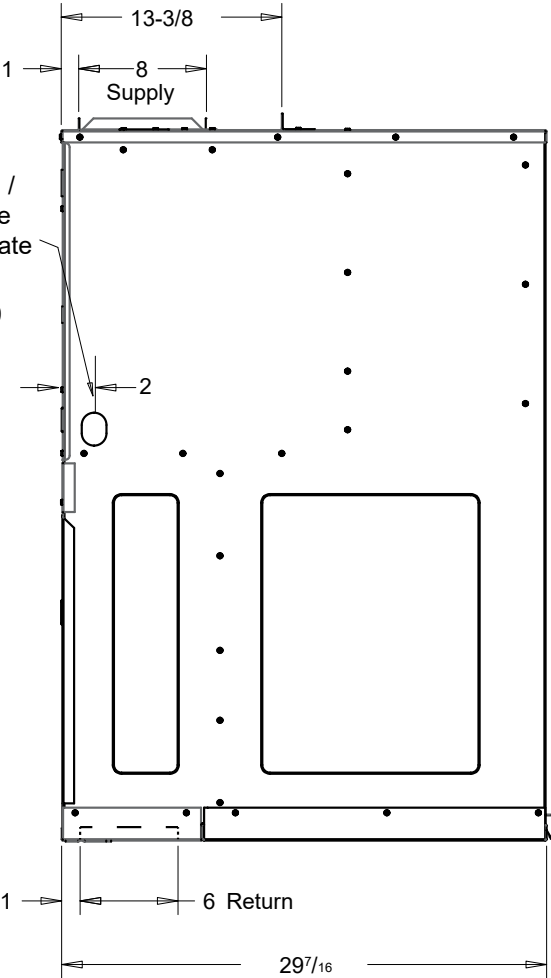
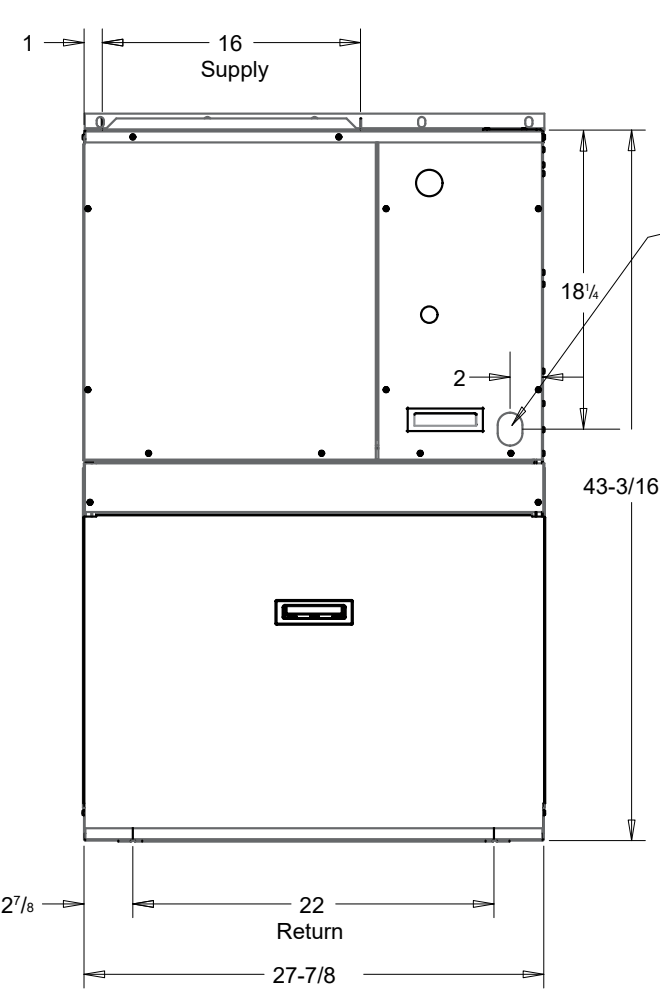
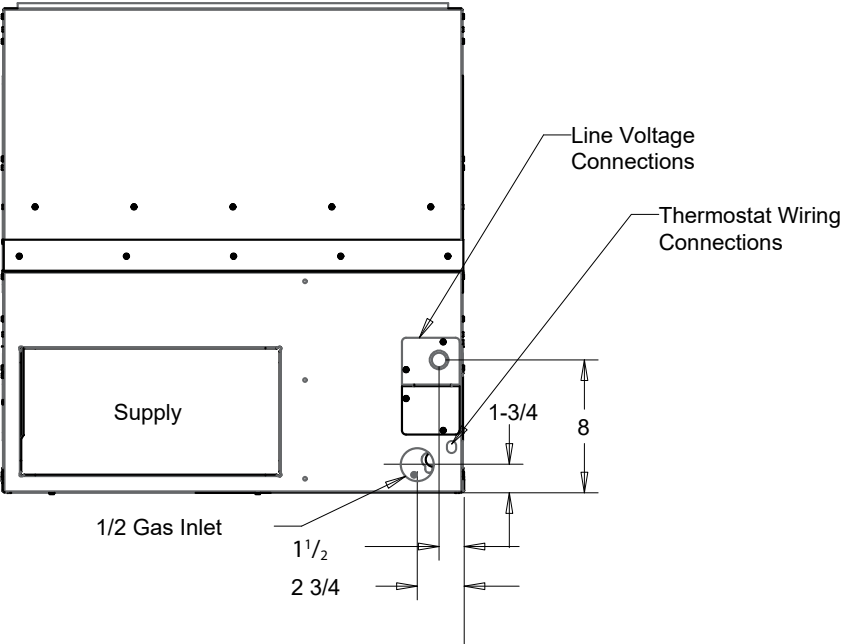
N/A: Do not operate unit in heating mode using this blower speed at this external static pressure outside of the proper temperature rise range.

NOTE: HWC**30A models shipped with Low and High stage Cooling taps connected for use of the two-stage system.

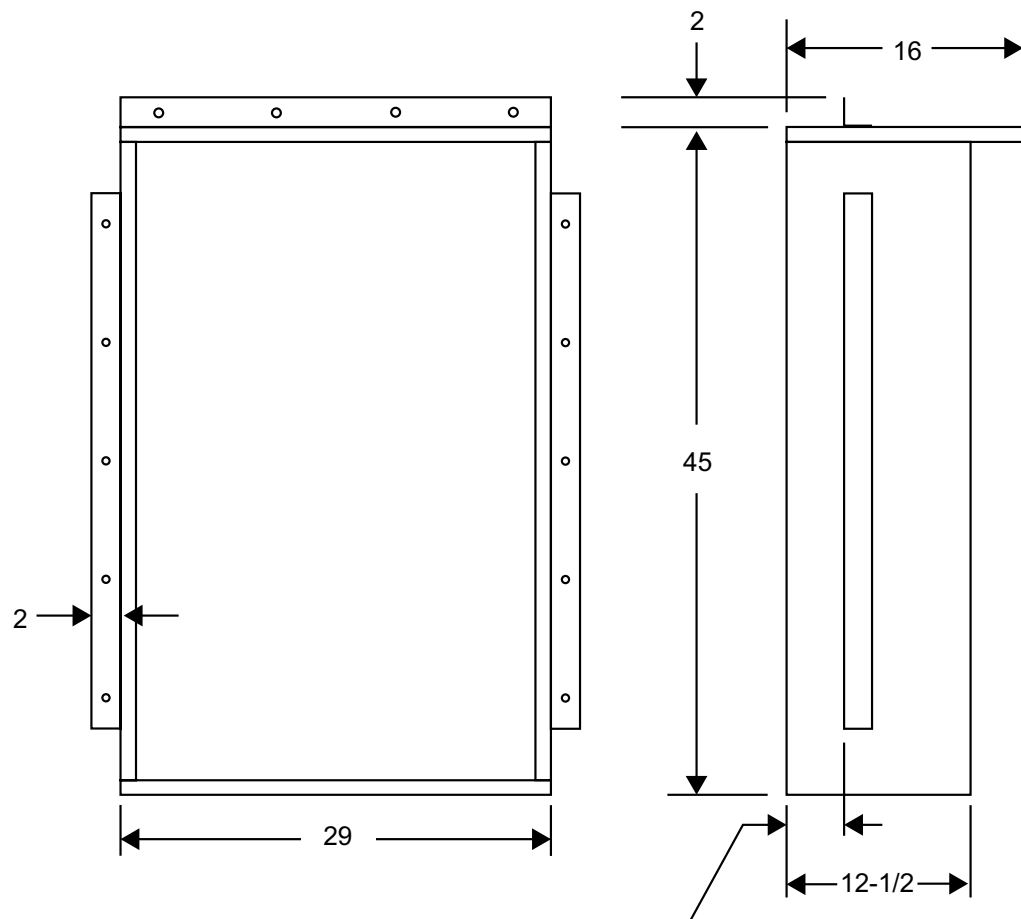
* As shipped speed for Heating operation

† As shipped speed for Cooling operation

UNIT DIMENSIONS



WALL SLEEVE DIMENSIONS



Flange may be assembled
1" or 3-3/4" from front of sleeve

VENT LOCATION

HWC8



HWC9





215 Metropolitan Drive | West Columbia, SC 29170
800-448-5872
Product Support 866-282-7257
www.magic-pak.com

All specifications and illustrations subject to change
without notice and without incurring obligations.