

GEW SERIES

HIGH EFFICIENCY VERTICAL WALL MOUNT ELECTRIC HEAT DX COIL AIR HANDLERS

Product Dimensions & Specifications



WARRANTY

One year limited parts warranty

OPTIONS

See options menu

**MANUFACTURED
IN THE USA**

STANDARD FEATURES

APPLICATION VERSATILITY

Front or bottom return air position. Offset hanging brackets attach to unit and wall to allow hanging inside closet. Can be DOE matched with most brands of air conditioners or heat pumps. ETL listed for use with either R22 or R410A when a proper metering device is used.

MOTOR

Constant torque ECM speeds and torques are controlled by software embedded in the motor to maintain constant torque. Motors are pre-programmed at the factory.

LOW LEAKAGE CABINET

Less than 2% air leakage from cabinet when tested in accordance with ASHRAE standard 193. Unit must be installed according to AirMark installation instructions. Sturdy, fully insulated galvanized steel cabinet.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available in 3, 5, 8, & 10 KW. Models with electric heat include sequencers and temperature limit switches for safe, efficient operation. Modules are easily installed in the field using molex plugs or can be ordered factory-installed. Controls are accessible from the front for easy service. Electrical connections can be

made from the top or left. Disconnect does not protrude through the wall panel. Fan time delay relay standard for increased efficiency.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently. Motor speeds can be easily selected via motor terminals. Swing mounted blowers can be easily removed for service.

ELECTRONIC CIRCUIT BOARD

Electronic circuit board provides 30 secs ON/OFF blower time delay extracting more heat/cool from the coil. Automotive-style pull fuse protection on the circuit board to provide low voltage and transformer protection.

DX COIL

High efficiency rifled copper tubes/enhanced aluminum fins provide maximum heat transfer. All coils immersion tested at 500 psi then nitrogen pressurized and factory sealed for maximum reliability. Liquid-line Schrader allows pre-installation pressure testing. Available with either check style flowrater or TXV metering device factory installed. Field-installable TXVs are also available. Galvanized metal drain pan with bottom primary and secondary drain connections or alternate right side primary. All connections 3/4" FPT. Access door allows for coil cleaning.

Representative image only.

Some models may vary in appearance.

Due to continuous product improvement, specifications are subject to change without notice.



Rev. Date: 10/29/20

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HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA

MODEL	HEAT KIT	PERFORMANCE DATA				ELECTRICAL DATA				
		NOMINAL COOLING (BTUS)	HEATING (KW)		HEATING CAPACITY (MBTUH)		MINIMUM CIRCUIT AMPACITY (MCA)		MAX BREAKER OR FUSE SIZE	
			208V	240V	208V	240V	208V	240V	208V	240V
GEW18	F[C,T]S00	18,000	0.0	0.0	0.0	0.0	3.5	3.5	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	17.0	19.1	20.0	20.0
	F[C,T]S05		3.7	4.8	12.6	16.4	25.1	28.5	25.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	30.5	34.8	30.0	35.0
	F[C,T]S08		6.0	8.0	20.5	27.3	39.6	45.2	40.0	45.0
	F[C,T]S10		7.2	9.6	24.5	32.8	46.8	53.5	50.0	60.0
GEW19/20	F[C,T]S00	18,000	0.0	0.0	0.0	0.0	3.0	3.0	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	16.5	18.6	20.0	20.0
	F[C,T]S05		3.7	4.8	12.6	16.4	24.6	28.0	25.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	30.0	34.3	30.0	35.0
	F[C,T]S08		6.0	8.0	20.5	27.3	39.1	44.7	40.0	45.0
	F[C,T]S10		7.2	9.6	24.5	32.8	46.3	53.0	50.0	60.0
GEW23/24	F[C,T]S00	24,000	0.0	0.0	0.0	0.0	3.5	3.5	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	17.0	19.1	20.0	20.0
	F[C,T]S05		3.7	4.8	12.6	16.4	25.1	28.5	25.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	30.5	34.8	30.0	35.0
	F[C,T]S08		6.0	8.0	20.5	27.3	39.6	45.2	40.0	45.0
	F[C,T]S10		7.2	9.6	24.5	32.8	46.8	53.5	50.0	60.0
GEW25/26	F[C,T]S00	24,000	0.0	0.0	0.0	0.0	3.0	3.0	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	16.5	18.6	20.0	20.0
	F[C,T]S05		3.7	4.8	12.6	16.4	24.6	28.0	25.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	30.0	34.3	30.0	35.0
	F[C,T]S08		6.0	8.0	20.5	27.3	39.1	44.7	40.0	45.0
	F[C,T]S10		7.2	9.6	24.5	32.8	46.3	53.0	50.0	60.0
GEW30	F[C,T]S00	30,000	0.0	0.0	0.0	0.0	5.1	5.1	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	18.6	20.8	20.0	25.0
	F[C,T]S05		3.7	4.8	12.6	16.4	26.8	30.1	30.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	32.2	36.4	35.0	40.0
	F[C,T]S08		6.0	8.0	20.5	27.3	41.2	46.8	45.0	50.0
	F[C,T]S10		7.2	9.6	24.5	32.8	48.4	55.1	50.0	60.0
GEW31	F[C,T]S00	30,000	0.0	0.0	0.0	0.0	4.5	4.5	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	18.0	20.1	20.0	25.0
	F[C,T]S05		3.7	4.8	12.6	16.4	26.1	29.5	30.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	31.6	35.8	35.0	40.0
	F[C,T]S08		6.0	8.0	20.5	27.3	40.6	46.2	45.0	50.0
	F[C,T]S10		7.2	9.6	24.5	32.8	47.8	54.5	50.0	60.0
GEW36	F[C,T]S00	36,000	0.0	0.0	0.0	0.0	5.1	5.1	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	18.6	20.8	20.0	25.0
	F[C,T]S05		3.7	4.8	12.6	16.4	26.8	30.1	30.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	32.2	36.4	35.0	40.0
	F[C,T]S08		6.0	8.0	20.5	27.3	41.2	46.8	45.0	50.0
	F[C,T]S10		7.2	9.6	24.5	32.8	48.4	55.1	50.0	60.0
GEW37	F[C,T]S00	36,000	0.0	0.0	0.0	0.0	4.5	4.5	15.0	15.0
	F[C,T]S03		2.3	3.0	7.8	10.2	18.0	20.1	20.0	25.0
	F[C,T]S05		3.7	4.8	12.6	16.4	26.1	29.5	30.0	30.0
	F[C,T]S06		4.6	6.0	13.5	17.9	31.6	35.8	35.0	40.0
	F[C,T]S08		6.0	8.0	20.5	27.3	40.6	46.2	45.0	50.0
	F[C,T]S10		7.2	9.6	24.5	32.8	47.8	54.5	50.0	60.0

BLOWER DATA

MODEL	SPEED TAP	MOTOR AMPS	MOTOR BHP	MOTOR HP	CFM V. EXTERNAL STATIC*†					
					0.10	0.20	0.30	0.40	0.50	
GEW 18/23/24	T1	2.1	0.29	1/3	909	864	840	800	782	
	T2	1.3	0.18		723	690	652	631	600	
	T3	1.0	0.14		600	565	539	502	480	
	T4	1.3	0.18		723	690	652	631	600	
	T5	2.1	0.29		909	864	840	800	782	
GEW 19/25	T1	1.1	0.15		670	645	615	590	570	
	T2	1.7	0.23		800	780	750	730	695	
	T3	1.9	0.26		875	850	820	790	760	
	T4	2.2	0.30		980	955	930	900	875	
	T5	2.5	0.34		1065	1035	1015	995	970	
GEW 20/26	T1	1.0	0.14		655	630	605	580	560	
	T2	1.6	0.22		785	765	735	715	685	
	T3	1.8	0.25		860	835	805	775	745	
	T4	2.1	0.29		960	935	910	885	860	
	T5	2.4	0.33		1045	1015	995	975	950	
GEW 30/36	T1	3.2	0.44		1/2	1365	1332	1303	1271	1240
	T2	1.5	0.20			745	698	668	630	600
	T3	2.0	0.27			898	873	853	827	800
	T4	2.7	0.37			1174	1132	1106	1078	1047
	T5	3.2	0.44			1365	1332	1303	1271	1240
GEW 31/37	T1	1.6	0.22	745		715	675	640	615	
	T2	2.4	0.33	940		910	875	840	805	
	T3	2.6	0.36	1100		1070	1025	995	965	
	T4	2.9	0.40	1220		1180	1155	1115	1085	
	T5	3.2	0.44	1385		1350	1330	1290	1270	

* Wet coil with filter † For 208 operation multiply by 0.90

AIR HANDLER CHASSIS NOMENCLATURE

GEW	18	F	-001
GEW = 240V Constant Torque ECM Vertical Wall Mount	Nominal tonnage (MBTUH)	<u>Metering device</u> 4 = R410A non-bleed A/C or H/P TXV B = R22 20% bleed A/C or H/P TXV F = R22 Flo-rater G = R410A Flo-rater X = R22 non-bleed A/C or H/P TXV	Option Code

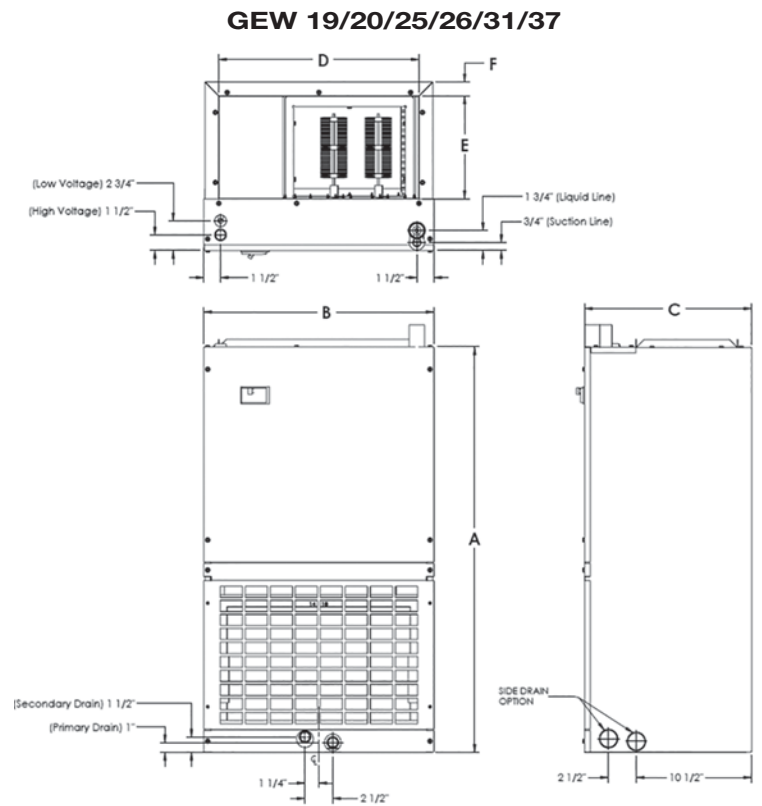
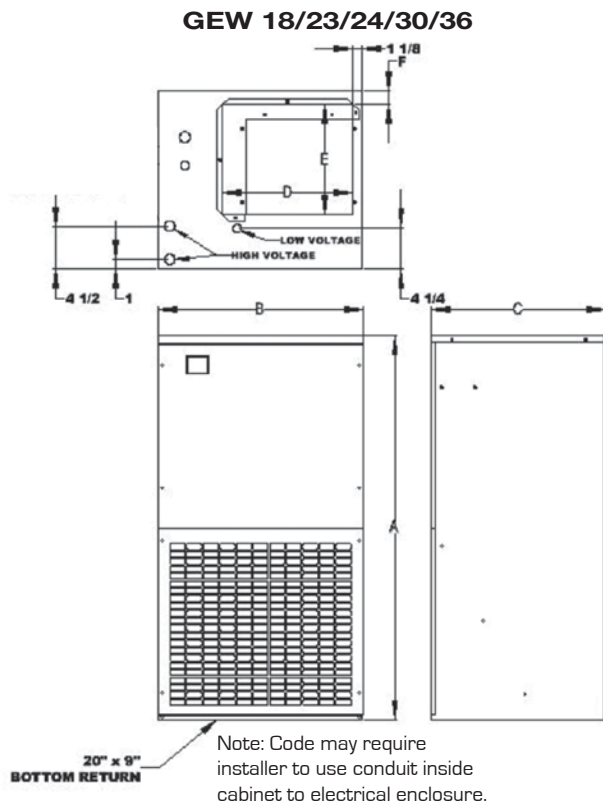
ELECTRIC HEAT KIT NOMENCLATURE

F	C	S	03
Wall Mount Electric Heat	<u>Interruption</u> C = Circuit Breaker T = Terminal Block	S = 18-37	<u>Heat Strip</u> 00 = NO Heat 03 = 3 KW 05 = 5 KW 08 = 8 KW 10 = 10 KW

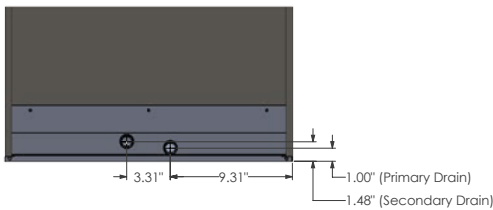
DIMENSIONS AND SPECIFICATIONS (In. [mm]) (Fig 1)

MODEL	A	B	C	D	E	F	FILTER SIZE	PISTON SIZE	SHIP WEIGHT (LBS)	SKID QTY
GEW18*	37 1/2 [953]	22 [559]	18 3/4 [476]	14 [356]	10 [254]	3 1/4 [83]	20X20	0.049	90	4
GEW19*	36 [915]	20 1/2 [521]	15 [381]	18 [457]	9 1/4 [235]	1 1/4 [32]	14X18	0.049	80	4
GEW20*	36 [915]	20 1/2 [521]	15 [381]	18 [457]	9 1/4 [235]	1 1/4 [32]	14X18	0.049	80	4
GEW23*	37 1/2 [953]	22 [559]	18 3/4 [476]	14 [356]	10 [254]	3 1/4 [83]	20X20	0.049	90	4
GEW24*	37 1/2 [953]	22 [559]	18 3/4 [476]	14 [356]	10 [254]	3 1/4 [83]	20X20	0.049	90	4
GEW25*	36 [915]	20 1/2 [521]	15 [381]	18 [457]	9 1/4 [235]	1 1/4 [32]	14X18	0.055	80	4
GEW26*	36 [915]	20 1/2 [521]	15 [381]	18 [457]	9 1/4 [235]	1 1/4 [32]	14X18	0.055	80	4
GEW30*	40.5 [1029]	22 [559]	18 3/4 [476]	14 [356]	11 1/2 [292]	1 3/8 [35]	20X20	0.059	102	4
GEW31*	36 [915]	24 [610]	21 [533]	21 1/2 [546]	12 [305]	1 1/4 [32]	20X20	0.059	90	4
GEW36*	40.5 [1029]	22 [559]	18 3/4 [476]	14 [356]	11 1/2 [292]	1 3/8 [35]	20X20	0.068	102	4
GEW37*	36 [915]	24 [610]	21 [533]	21 1/2 [546]	12 [305]	1 1/4 [32]	20X20	0.068	90	4

Fig 1



Copper stub out diameter: Suction: 3/4", Liquid: 3/8"



INSTALLATION CLEARANCES		
	OPERATION	SERVICE
TOP	0"	0"
FRONT	0"	30"
SIDES	0"	0"
REAR	0"	0"

Access Door

VERSATILITY

Equipped with hidden frame feature. Fastens to the outside wall surface and does not have to perfectly match the hole opening. Frame screws are not visible after installation. Available in either solid (S) or louvered (L) style.

MATERIALS

Galvanized steel construction with powder paint and smooth finish. Can be latex painted in the field.

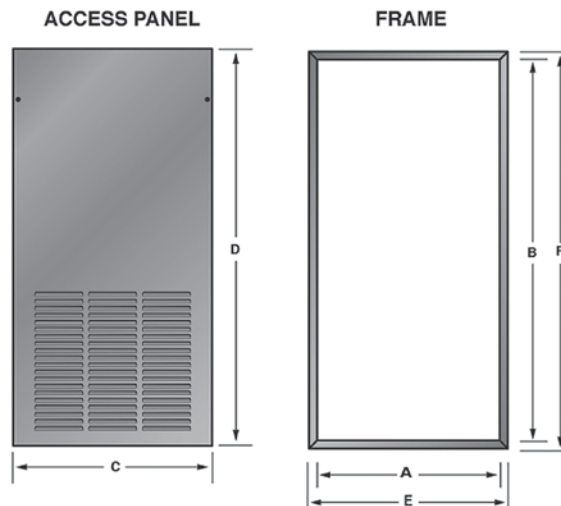
FILTER

20" x 20" x 1" field supplied.

WARRANTY

One-year limited parts warranty.

Fig 2



ACCESS PANEL DIMENSIONS AND SPECIFICATIONS (Fig 2)

PANEL MODEL	FOR USE WITH	FINISH	OPENING SIZE		PANEL DIMENSION		FRAME DIMENSION		# OF PANELS
			A"	B"	C"	D"	E"	F"	
WAD-7(S/L)	GEW 18/23/24	Embossed	22 1/4	39 1/2	24 1/4	41 1/2	24 1/8	41 3/8	1
WAD-8(S/L)	GEW 30/36	Embossed	22 1/4	42 1/2	24 1/4	44 1/2	24 1/8	44 3/8	1
WAD-18(S/L)	GEW 18/23/24	Smooth	22 1/4	39 1/2	24 1/4	41 1/2	24 1/8	41 3/8	1
WAD-19(S/L)	GEW 30/36	Smooth	22 1/4	42 1/2	24 1/4	44 1/2	24 1/8	44 3/8	1
WAD-20(S/L)	GEW 19/20/25/26	Embossed	20 3/4	38	22 3/4	40	22 5/8	39 7/8	1
WAD-21(S/L)	GEW 31/37	Embossed	24 1/4	38	26 1/4	40	26 1/8	39 7/8	1
WAD-22(S/L)	GEW 19/20/25/26	Smooth	20 3/4	38	22 3/4	40	22 5/8	39 7/8	1
WAD-23(S/L)	GEW 31/37	Smooth	24 1/4	38	26 1/4	40	26 1/8	39 7/8	1



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