



TECHNICAL GUIDE

HIGH EFFICIENCY, STANDARD ECM VERTICAL WALL MOUNT AIR HANDLERS

FOR USE WITH SPLIT-SYSTEM COOLING & HEAT PUMPS

MODELS: EWX*18 - 36



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

Additional rating information can be found at www.ahridirectory.org.

DESCRIPTION

The wall mount air handlers are designed for front or bottom return air position. Offset hanging brackets attach to unit to allow hanging inside closet or it can be installed in the wall with a decorative grill.

The wall mount air handler can be ordered with factory or field installed electric heat kits. They can also be ordered with a piston metering device or R410A TXV factory installed.

FEATURES

Motor – 5 speed, direct drive standard ECM high efficiency motor.

Cabinet – All wall mount air handler cabinets are sturdy, galvanized steel and fully insulated with 1/2" foil faced insulation to prevent sweating and mold growth, to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

Modular Electric Heat Kits – Available with circuit breakers. Available in 3, 5, 8, & 10 kW. Models with electric heat include sequencers and temperature limit switches for safe and efficient operation. Heaters are easily installed in the field using mox 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 5 speed high efficiency standard ECM blower circulates air quietly and efficiently. Motor speeds can be easily selected via motor terminals. Swing mounted blowers can be easily removed for service.

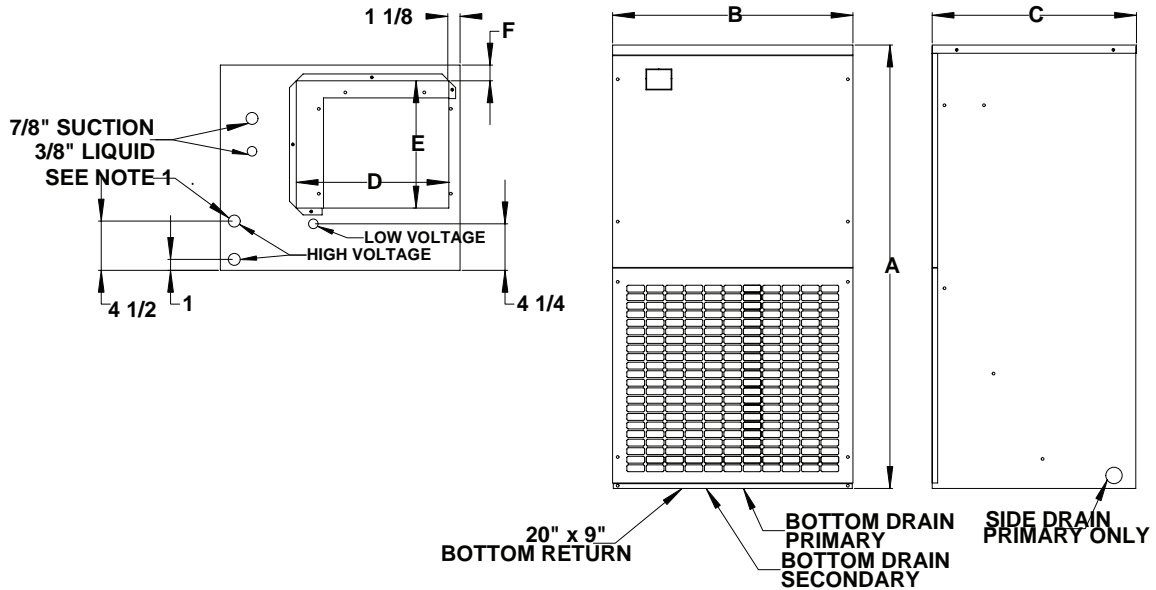
DX Coil – High efficiency rifled copper tubes/enhanced aluminum fins provide maximum heat transfer. All coils tested at 500 psi then nitrogen pressurized and factory sealed for maximum reliability. Liquid-line Schrader allows pre-installation pressure testing. Most 13 SEER matches can be obtained using the factory installed piston metering device. Field installable TXVs are also available for both R22 and R410A refrigerants.

Drain pan offers bottom primary and secondary drain connections or alternate right side primary. All connections are 3/4" FPT. Access door allows for coil cleaning.

FOR DISTRIBUTION USE ONLY – NOT TO BE USED AT POINT OF RETAIL SALE

PHYSICAL DIMENSIONS

Models	Dimensions						Wiring Knockouts		Refrigerant Connections Line Size	
	A	B	C	D	E	F	High Volt	Low Volt	Liquid	Suction
	Height	Width	Depth							
EWX(N,W)18	37-1/2	22	18-3/4	14	10	3-1/4	1-3/32	7/8	3/8	7/8
EWX(N,W)24	37-1/2	22	18-3/4	14	10	3-1/4				
EWX(N,W)30	40-1/2	22	18-3/4	14	11-1/2	1-3/8				
EWX(N,W)36	40-1/2	22	18-3/4	14	11-1/2	1-3/8				



NOTE 1. CODE MAY REQUIRE INSTALLER TO USE CONDUIT INSIDE CABINET TO ELECTRICAL ENCLOSURE

COIL TECHNICAL DATA

Models	Application	Refrig. Conn Types	Face Area (Sq.Ft.)	Rows Deep	Fins Per Inch	Coil Size	Tube Geometry	Tube Dia	Fin Type
EWX(N,W)18	Cooling / Heat Pump	Sweat	2.5	3	16	20 x 18	1 x 0.866	3/8 rifled	Lanced
EWX(N,W)24			2.5	4	16	20 x 18			
EWX(N,W)30			3	4	12	24 x 18			
EWX(N,W)36			3	4	14	24 x 18			

ARI CERTIFIED MATCH-UPS: TCGDS2

Air Handler	ARI Number	Outdoor Model	SEER	EER	NET MBTUH		Rated CFM
					Total	Sens	
EWX(W,N)18055	3305325	TCGD18S21S2	14.00	12.00	18.00	14.35	600
EWX(W,N)24059	3305329		14.50	12.10	18.10	14.39	
EWX(W,N)30068	3305337		14.00	12.00	18.00	14.39	
EWX(W,N)24059	3305330	TCGD24S21S2	13.50	11.45	24.00	18.84	800
EWX(W,N)30068	3305336		13.50	11.35	24.00	18.21	
EWX(W,N)36074	3305346		14.00	11.45	24.00	18.62	
EWX(W,N)30068	3305338	TCGD30S21S2	14.00	11.60	29.60	22.32	1000
EWX(W,N)36074	3305347		14.50	12.00	30.00	26.74	
EWX(W,N)36074	3305345	TCGD36S21S2	13.50	12.00	34.60	26.74	1200

Additional R-22 Charge³ / Orifice Size for TCGD Air Conditioners

Outdoor Unit	TCGD18 S21S2	TCGD24 S21S2	TCGD30 S21S2	TCGD36 S21S2
Required Orifice ¹	.055	.059 / .068	.068 / .074	.074
Factory R22 Charge, lbs-oz	3 - 2	4 - 0	4 - 3	4 - 5
Indoor Coil ²	Additional Charge, oz.			
EWX(N,W)18*	55 + 0	-	-	-
EWX(N,W)24*	-	59 + 1	-	-
EWX(N,W)30*	-	68 + 11	68 + 3	-
EWX(N,W)36*	-	-	74 + 0	74 - 3

1. Approved metering device shipped with indoor unit.

2. All GuardianAire air handlers ship with blower off delays.

3. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions.

ARI CERTIFIED MATCH-UPS: TCGDS4

Air Handler	ARI Number	Outdoor Model	SEER	EER	NET MBTUH		Rated CFM
					Total	Sens	
EWX(W,N)184T*	3305324	TCGD18S41S1	14.00	12.00	18.00	14.35	600
EWX(W,N)244T*	3305328		14.50	12.10	18.00	14.35	
EWX(W,N)304T*	3305335		15.00	12.00	18.00	13.87	
EWX(W,N)244T*	3305327	TCGD24S41S1	14.00	11.45	24.00	18.84	800
EWX(W,N)304T*	3305333		14.50	11.35	24.00	18.21	
EWX(W,N)364T*	3305342		14.50	11.45	24.00	18.62	
EWX(W,N)304T*	3305334	TCGD30S41S1	14.50	11.60	29.20	22.15	1000
EWX(W,N)364T*	3305344		15.00	12.00	29.80	22.91	
EWX(W,N)364T*	3305343		14.50	12.00	35.80	27.24	

*Equipped with non bleed TXV. No need for field installed hard start kit.

Additional R-410A Charge⁵ TCGDS4 Air Conditioners

Outdoor Unit	TCGD18S41S1	TCGD24S41S1	TCGD30S41S1	TCGD36S41S1
Required Orifice or TXV ^{1,2}	S1-4200	S1-4200	S1-4200	S1-4200
Factory R410A Charge, lbs-oz	3 - 3	3 - 13	3 - 14	4 - 9
Indoor Coil ^{3,4}	Additional Charge, oz.			
EWX(N,W)18*	4200 + 0			
EWX(N,W)24*	4200 + 0	4200 + 1		
EWX(N,W)30*		4200 + 11	4200 + 4	
EWX(N,W)36*			4200 + 4	4200 - 4

1. For applications requiring a TXV use GuardianAire non-bleed bi-directional TXV.

2. Approved metering device shipped with indoor unit.

3. All GuardianAire air handlers ship with blower off delays.

4. No need for field installed hard start kit.

5. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions.

ARI CERTIFIED MATCH-UPS: GCGDS2

Air Handler	ARI Number	Outdoor Model	SEER	EER	NET MBTUH		Rated CFM
					Total	Sens	
EWX(W,N)18055	3305351	GCGD18S21S1	14.00	12.00	18.00	14.35	600
EWX(W,N)24059	3305354		14.50	12.10	18.10	14.39	
EWX(W,N)30068	3305357		14.00	12.00	18.00	14.39	
EWX(W,N)24059	3305353	GCGD24S21S1	13.50	11.45	24.00	18.84	800
EWX(W,N)30068	3305358		13.50	11.35	24.00	18.21	
EWX(W,N)36074	3305363		14.00	11.45	24.00	18.62	
EWX(W,N)30068	3305359	GCGD30S21S1	14.00	11.60	29.60	22.32	1000
EWX(W,N)36074	3305365		14.50	12.00	30.00	26.74	
EWX(W,N)36074	3305364		13.50	12.00	34.60	26.74	

*Equipped with non bleed TXV. No need for field installed hard start kit.

Additional R-22 Charge³ / Orifice Size for GCGD Air Conditioners

Outdoor Unit	GCGD18 S21S1	GCGD24 S21S1	GCGD30 S21S1	GCGD36 S21S1
Required Orifice ¹	.055	.059 / .068	.068 / .074	.074
Factory R22 Charge, lbs-oz	3 - 2	4 - 0	4 - 3	4 - 5
Indoor Coil ²	Additional Charge, oz.			
EWX(N,W)18*	55 + 0	-	-	-
EWX(N,W)24*	-	59 + 1	-	-
EWX(N,W)30*	-	68 + 11	68 + 3	-
EWX(N,W)36*	-	-	74 + 0	74 - 3

1. Approved metering device shipped with indoor unit.

2. All GuardianAire air handlers ship with blower off delays.

3. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions

ARI CERTIFIED MATCH-UPS: THGDS2

Air Handler	ARI NUMBER	Outdoor Model	SEER	EER	NET MBTUH			HSPF	Rated CFM
					@ 47°	Total	Sens		
EWX(W,N)18055	3305436	THGD18S21S1	14.00	12.00	16.90	18.00	14.40	8.30	600
EWX(W,N)24059	3305447		14.00	12.10	17.00	18.10	14.30	8.50	
EWX(W,N)30068	3305465		14.00	12.00	16.90	18.00	13.86	8.35	
EWX(W,N)24059	3305448	THGD24S21S1	13.50	11.55	23.00	24.00	18.96	8.30	800
EWX(W,N)30068	3305466		13.50	11.45	22.80	23.80	18.09	8.10	
EWX(W,N)36074	3305486		13.50	11.55	23.00	24.00	18.72	8.25	
EWX(W,N)30068	3305467	THGD30S21S1	13.50	11.60	28.40	29.20	22.19	7.95	1000
EWX(W,N)36074	3305487		14.00	12.00	28.60	29.80	22.95	8.10	
EWX(W,N)36074	3305488	THGD36S21S1	13.00	11.50	33.60	34.60	26.64	8.70	1200

Additional R-22 Charge³ / Orifice Size for THGDS2 Heat Pumps

Outdoor Unit	THGD18S21S1	THGD24S21S1	THGD30S21S1	THGD36S21S1
Required Orifice ¹	.055 / .059 / .068	.059 / .068 / .074	.074	.074
Factory R22 Charge, lbs-oz	7 - 3	7 - 7	8 - 12	9 - 1
Indoor Coil ²	Additional Charge, oz.			
EWX(N,W)18*	55 + 0	-	-	-
EWX(N,W)24*	59 + 8	59 + 7	-	-
EWX(N,W)30*	68 + 22	68 + 7	-	-
EWX(N,W)36*	-	74 + 7	-	-

1. Approved metering device shipped with indoor unit.

2. All GuardianAire air handlers ship with blower off delays.

3. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions.

ARI CERTIFIED MATCH-UPS: GHGDS2

Air Handler	ARI NUMBER	Outdoor Model	SEER	EER	NET MBTUH			HSPF	Rated CFM
					@ 47°	Total	Sens		
EWX(W,N)18055	3305435	GHGD18S21S1	14.00	12.00	16.90	18.00	14.40	8.30	600
EWX(W,N)24059	3305445		14.00	12.10	17.00	18.10	14.30	8.50	
EWX(W,N)30068	3305462		14.00	12.00	16.90	18.00	13.86	8.35	
EWX(W,N)24059	3305446	GHGD24S21S1	13.50	11.55	23.00	24.00	18.96	8.30	800
EWX(W,N)30068	3305463		13.50	11.45	22.80	23.80	18.09	8.10	
EWX(W,N)36074	3305483		13.50	11.55	23.00	24.00	18.72	8.25	
EWX(W,N)30068	3305464	GHGD30S21S1	13.50	11.60	28.40	29.20	22.19	7.95	1000
EWX(W,N)36074	3305484		14.00	12.00	28.60	29.80	22.95	8.10	
EWX(W,N)36074	3305485	GHGD36S21S1	13.00	11.50	33.60	34.60	26.64	8.70	1200

Additional R-22 Charge³ / Orifice Size for THGDS2 Heat Pumps

Outdoor Unit	THGD18S21S1	THGD24S21S1	THGD30S21S1	THGD36S21S1
Required Orifice ¹	.055 / .059 / .068	.059 / .068 / .074	.074	.074
Factory R22 Charge, lbs-oz	7 – 3	7 – 7	8 – 12	9 - 1
Indoor Coil ²	Additional Charge, oz.			
EWX(N,W)18*	55 + 0	-	-	-
EWX(N,W)24*	59 + 8	59 + 7	-	-
EWX(N,W)30*	68 + 22	68 + 7	-	-
EWX(N,W)36*	-	74 + 7	-	-

1. Approved metering device shipped with indoor unit.
2. All GuardianAire air handlers ship with blower off delays.
3. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions.

ARI CERTIFIED MATCH-UPS: THGDS4

Air Handler	ARI NUMBER	Outdoor Model	SEER	EER	NET MBTUH			HSPF	Rated CFM
					@ 47°	Total	Sens		
EWX(W,N)184T1*	3305432	THGD18S41S1	14.00	11.25	16.90	17.90	14.32	8.30	600
EWX(W,N)244T1*	3305439		14.50	11.40	17.00	18.00	14.40	8.50	
EWX(W,N)304T1*	3305453		14.50	11.30	16.90	18.00	13.86	8.35	
EWX(W,N)244T1*	3305440	THGD24S41S1	13.50	11.25	23.20	24.00	18.96	8.15	800
EWX(W,N)304T1*	3305454		14.00	11.15	23.00	23.60	17.94	8.00	
EWX(W,N)364T1*	3305474		14.00	11.25	23.20	24.00	18.72	8.10	
EWX(W,N)304T1*	3305455	THGD30S41S1	14.00	11.00	27.60	28.00	21.84	7.80	1000
EWX(W,N)364T1*	3305475		14.50	11.00	27.80	28.60	22.59	7.95	
EWX(W,N)364T1*	3305476		14.00	11.00	34.60	34.60	26.64	8.10	

*Equipped with non bleed TXV. No need for field installed hard start kit.

Additional R410a Charge⁵ for THGDS4 Heat Pumps

Outdoor Unit	THGD18S41S1	THGD24S41S1	THGD30S41S1	THGD36S41S1
Required Orifice or TXV ^{1,2}	S1-4200	S1-4200	S1-4200	S1-4200
Factory R410 Charge, lbs-oz	6 – 5	8 – 7	9 – 12	9 – 15
Indoor Coil ^{3,4}	Additional Charge, oz.			
EW(N,W)18*	4200 + 0	-	-	-
EW(N,W)24*	4200 + 7	4200 + 8	-	-
EW(N,W)30*	4200 + 19	4200 + 21	4200 - 4	-
EW(N,W)36*	-	4200 + 21	4200 - 4	4200 - 4

1. For applications requiring a TXV use GuardianAire non-bleed bi-directional TXV.
2. Approved metering device shipped with indoor unit.
3. All GuardianAire air handlers ship with blower off delays.
4. No need for field installed hard start kit.
5. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions.

ARI CERTIFIED MATCH-UPS: THRDS4

Air Handler	ARI NUMBER	Outdoor Model	SEER	EER	NET MBTUH			HSPF	Rated CFM
					@ 47°	Total	Sens		
EWX(W,N)184T1*	3305433	THRD18S41S1	13.50	12.00	17.70	18.00	14.40	7.80	600
EWX(W,N)244T1*	3305441		13.50	12.00	17.80	18.00	14.40	7.95	
EWX(W,N)304T1*	3305456		13.50	12.00	17.70	18.00	13.86	7.80	
EWX(W,N)244T1*	3305442	THRD24S41S1	14.00	11.55	23.40	24.00	18.96	8.60	800
EWX(W,N)304T1*	3305457		14.00	11.45	23.20	24.00	18.24	8.45	
EWX(W,N)364T1*	3305477		14.00	11.55	23.20	24.00	18.72	8.60	
EWX(W,N)304T1*	3305458	THRD30S41S1	13.50	11.55	27.80	28.40	21.87	8.05	1000
EWX(W,N)364T1*	3305478		13.50	12.00	28.00	29.20	22.87	8.20	
EWX(W,N)364T1*	3305479		13.50	12.00	33.00	33.40	26.39	7.95	

*Equipped with non bleed TXV. No need for field installed hard start kit.

Additional R410a Charge ⁵ for THRDS4 Heat Pumps				
Outdoor Unit	THR18S41S1	THR24S41S1	THR30S41S1	THR36S41S1
Required Orifice or TXV ^{1,2}	S1-4200	S1-4200	S1-4200	S1-4200
Factory R410 Charge, lbs-oz	5 - 6	5 - 8	7 - 8	7 - 8
Indoor Coil ^{3,4}	Additional Charge, oz.			
EWX(N,W)18*	4200 - 3	-	-	-
EWX(N,W)24*	4200 + 4	4200 + 4	-	-
EWX(N,W)30*	4200 + 17	4200 + 18	4200 + 4	-
EWX(N,W)36*	-	4200 + 18	4200 + 4	4200 + 2

1. For applications requiring a TXV use GuardianAire non-bleed bi-directional TXV.

2. Approved metering device shipped with indoor unit.

3. All GuardianAire air handlers ship with blower off delays.

4. No need for field installed hard start kit.

5. Suggested charge adder only. For reliable performance, always charge the system to 15°F subcooling for TXV or 10° superheat for orifice at ARI A-conditions.

NOMINAL COOLING CAPACITY

Models	Rated CFM	Entering Air °F (Dry/Wet Bulb)	MBTUH @ Evaporator Temp & Corresponding Pressure °F/PSIG			
			35°F / 61.5 psig	40°F / 68.5 psig	45°F / 76.0 psig	50°F / 84.0 psig
EWX(N,W)18	600	85/72	24.0	21.8	19.5	17.0
		80/67	22.6	20.3	18.0	15.6
		75/62	21.5	19.1	16.5	13.9
		70/57	21.1	18.4	15.3	11.9
EWX(N,W)24	800	85/72	32.2	29.2	26.1	22.7
		80/67	30.1	27.2	24.0	20.8
		75/62	27.6	24.8	22.0	17.9
		70/57	23.2	22.0	20.2	13.1
EWX(N,W)30	1000	85/72	40.0	36.5	32.5	28.4
		80/67	38.0	34.0	30.0	25.7
		75/62	33.6	29.2	27.7	22.2
		70/57	33.0	29.4	25.6	21.6
EWX(N,W)36	1200	85/72	46.5	42.3	37.8	33.3
		80/67	45.2	39.9	35.0	29.9
		75/62	38.4	35.2	32.3	26.2
		70/57	35.5	32.6	30.2	23.6

ACCESSORIES

Refer to Price Manual for specific model numbers.

TXV Kits – TXV kits are available for applications and converting R22 to R410a or as a service replacement. All kits are bolt-on and require no brazing to install.

Electric Heaters – EK models shown under electrical data include sequential operation and temperature limit switches for safe, efficient operation. Circuit breakers are provided as part of the electric heat kit.

LIMITATIONS

These units must be wired and installed in accordance with all national and local safety codes. Voltage limits are as follows:

Air Handler Voltage	Voltage Code	Normal Operating Voltage Range
208/230-1-60	06	187-253

1. Rated in accordance with ARI Standard 110, utilization range "A".

Airflow must be within the minimum and maximum limits approved for electric heat, evaporator coils and outdoor units.

Entering Air Temperature Limits			
Wet Bulb Temp. °F		Dry Bulb Temp. °F	
Min.	Max.	Min.	Max.
57	72	65	95

AIR FLOW DATA – 60 Hz MODELS – 208 Volt

Models	Blower Motor Speed	208 Volt									
		CFM ¹ @ External Static Pressure - IWC									
		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
EWX(N,W)18	HIGH	900	875	837	799	741	680	608	522	432	333
	LOW	653	643	621	585	540	477	405	324	234	126
EWX(N,W)24	HIGH	900	875	837	799	741	680	608	522	432	333
	LOW	653	643	621	585	540	477	405	324	234	126
EWX(N,W)30	HIGH	1256	1222	1182	1135	1080	1017	945	878	792	716
	LOW	986	975	956	931	900	864	819	765	711	648
EWX(N,W)36	HIGH	1256	1222	1182	1135	1080	1017	945	878	792	716
	LOW	986	975	956	931	900	864	819	765	711	648

1. Includes return air filter and coil.

All air handlers units are ETL Listed up to 0.50" W.C. external static pressure, including air filter, wet coil and largest KW size heater, unless otherwise noted.

AIR FLOW DATA – 60 Hz MODELS – 230 Volt

Models	Blower Motor Speed	230 Volt									
		CFM ¹ @ External Static Pressure - IWC									
		0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
EWX(N,W)18	HIGH	1000	972	930	888	823	755	675	580	480	370
	LOW	725	714	690	650	600	530	450	360	260	140
EWX(N,W)24	HIGH	1000	972	930	888	823	755	675	580	480	370
	LOW	725	714	690	650	600	530	450	360	260	140
EWX(N,W)30	HIGH	1396	1358	1313	1261	1200	1130	1050	975	880	795
	LOW	1095	1083	1062	1034	1000	960	910	850	790	720
EWX(N,W)36	HIGH	1396	1358	1313	1261	1200	1130	1050	975	880	795
	LOW	1095	1083	1062	1034	1000	960	910	850	790	720

1. Includes return air filter and coil.

All air handlers units are ETL Listed up to 0.50" W.C. external static pressure, including air filter, wet coil and largest KW size heater, unless otherwise note.

APPLICATION FACTORS – RATED CFM VS. ACTUAL CFM

% of Rated Airflow	80%	90%	Rated CFM	110%	120%
Capacity Factor	0.96	0.98	1.00	1.02	1.03

PHYSICAL & ELECTRICAL DATA

Models	EWX(N,W)18		EWX(N,W)24		EWX(N,W)30		EWX(N,W)36		
Blower – Diameter x Width	9 x 6		9 x 6		10 x 8		10 x 8		
Motor	HP	1/3		1/3		1/2		1/2	
	Nominal RPM	1075		1075		1075		1075	
Voltage	208/230								
Amps	Full Load	2.5/2.8		2.5/2.8		3.7/4.1		3.7/4.1	
Filter ¹	Type	Disposable							
	Size	20 x 20 x 1							
Ship Weight (lbs.)	90		90		102		102		

1. Factory supplied.

ELECTRICAL DATA – COOLING ONLY (60 Hz)

Models	Total Motor Amps		Minimum Circuit Ampacity		Max. O.C.P. ¹ Amps/Type	Minimum Wire Size A.W.G.
	60 Hz		60 Hz			
	208V	230V	208V	230V		
EWX(N,W)18	2.5	2.8	3.2	3.5	15	14
EWX(N,W)24	2.5	2.8	3.2	3.5		
EWX(N,W)30	3.7	4.1	4.6	5.1		
EWX(N,W)36	3.7	4.1	4.6	5.1		

1. OCP = Over Current Protection device, must be HACR type circuit breaker or time delay fuse.

ELECTRICAL DATA – 208/230-1-60

Models	Heater Models*	Max. Static	Motor Speed Tap	Total Heat ¹					
				kW		MBTUH			
				208V	240V	208V	240V		
EWX(N,W)18	S1-EK0603211	.5	LO	2.25	3	7.7	10.3		
	S1-EK0605211			3.8	5	13	17		
	S1-EK0608211			6	8	20.5	27.3		
	S1-EK0610211			7.5	10	25.6	34.1		
EWX(N,W)24	S1-EK0603211		.5	HI	2.25	3	7.7	10.3	
	S1-EK0605211				3.8	5	13	17	
	S1-EK0608211				6	8	20.5	27.3	
	S1-EK0610211				7.5	10	25.6	34.1	
EWX(N,W)30	S1-EK0603211			.5	LO	2.25	3	7.7	10.3
	S1-EK0605211					3.8	5	13	17
	S1-EK0608211					6	8	20.5	27.3
	S1-EK0610211					7.5	10	25.6	34.1
EWX(N,W)36	S1-EK0603211	.5			HI	2.25	3	7.7	10.3
	S1-EK0605211					3.8	5	13	17
	S1-EK0608211					6	8	20.5	27.3
	S1-EK0610211					7.5	10	25.6	34.1

1. See conversion table below.

* May be 0 (no breaker) or 1 (with breaker)

kW & MBH CONVERSIONS – FOR TOTAL POWER INPUT REQUIREMENT

FOR	208V	OPERATION MULTIPLY	240V	TABULATED kW & MBH BY	.751
	230V		240V		.918

ELECTRICAL DATA (FOR SINGLE SOURCE POWER SUPPLY) – COPPER WIRE 208/230-1-60

Models	Heater Models*	Heater Amps 240V	Field Wiring					
			Min. Circuit Amp		Max, O.C.P. Amps/Type		75° C Wire Size - AWG	
			208V	240V	208V	240V	208V	240V
EWX(N,W)18	S1-EK0603211	12.5	17.0	19.1	20	20	12	12
	S1-EK0605211	20.8	26.0	29.5	30	30	10	10
	S1-EK0608211	33.3	39.2	45.2	40	50	8	8
	S1-EK0610211	41.7	48.2	55.6	50	60	8	6
EWX(N,W)24	S1-EK0603211	12.5	17.0	19.1	20	20	12	12
	S1-EK0605211	20.8	26.0	29.5	30	30	10	10
	S1-EK0608211	33.3	39.2	45.2	40	50	8	8
	S1-EK0610211	41.7	48.2	55.6	50	60	8	6
EWX(N,W)30	S1-EK0603211	12.5	18.5	20.8	20	25	12	12
	S1-EK0605211	20.8	27.5	31.2	30	35	10	10
	S1-EK0608211	33.3	40.7	46.8	45	50	8	8
	S1-EK0610211	41.7	49.7	57.2	50	60	8	6
EWX(N,W)36	S1-EK0603211	12.5	18.5	20.8	20	25	12	12
	S1-EK0605211	20.8	27.5	31.2	30	35	10	10
	S1-EK0608211	33.3	40.7	46.8	45	50	8	8
	S1-EK0610211	47.7	49.7	57.2	50	60	8	6

1. OCP = Over Current Protection device, must be HACR type circuit breaker or time delay fuse.

* May be 0 (no breaker) or 1 (with breaker)

NOTES: