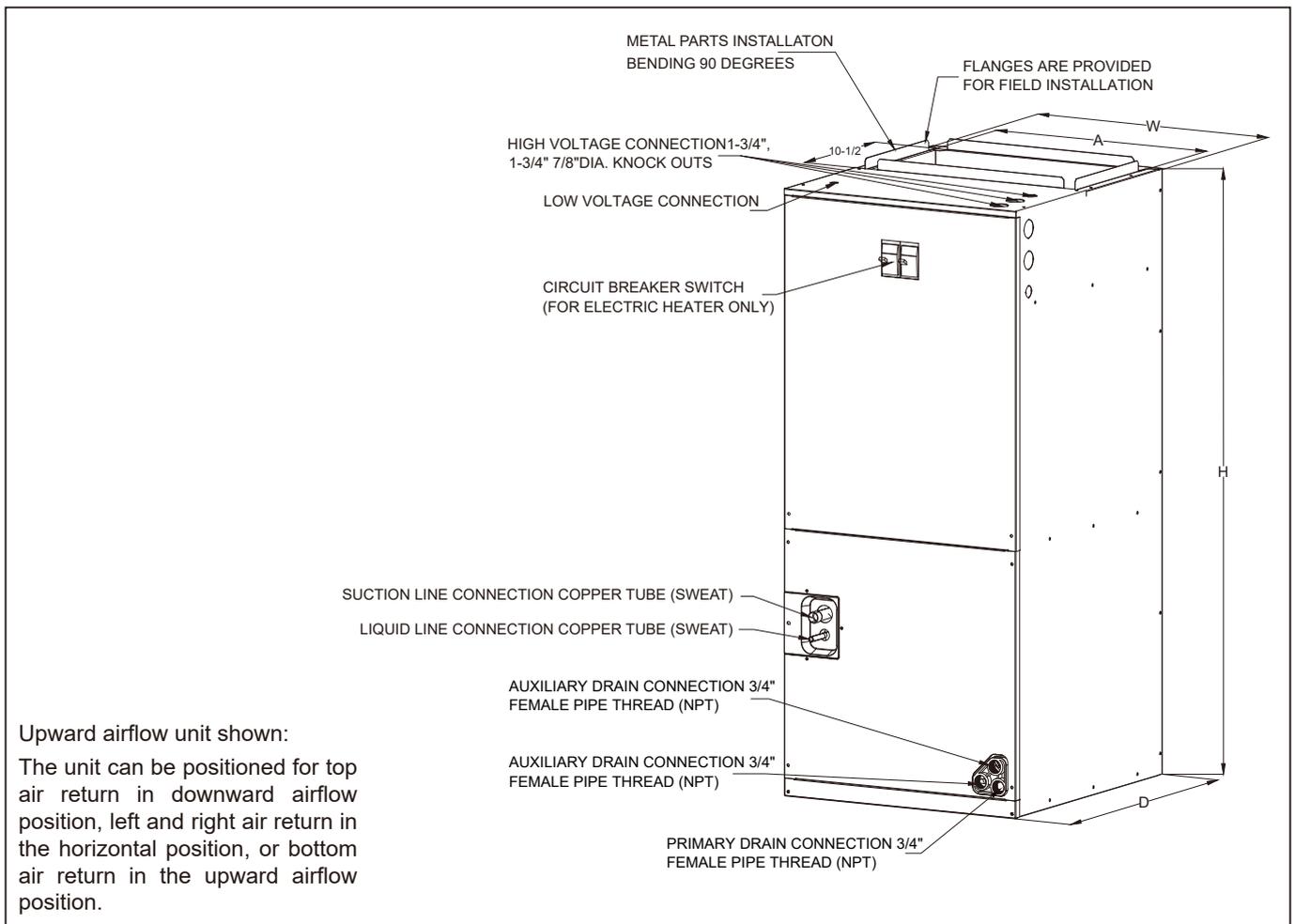


## High-Efficiency Air Handlers

### Elite Series

Cooling capacity: 24-60 kBTU/h



### Unit Dimension

Model	Dimension Inches [mm]				
	Height "H"	Width "W"	Dimension "D"	Air outlet "A"	Liquid Line / Suction Line
24K	45-3/4 [1162]	19-5/8 [500]	22 [560]	17-7/8 [454]	3/8 / 3/4 [9.5]/[19]
36K	45-3/4 [1162]	19-5/8 [500]	22 [560]	17-7/8 [454]	3/8 / 3/4 [9.5]/[19]
48K	53-1/8 [1350]	22 [560]	24 -1/2[623]	19-1/2 [496]	3/8 / 7/8 [9.5]/[22]
60K	53-1/8 [1350]	22 [560]	24 -1/2[623]	19-1/2 [496]	3/8 / 7/8 [9.5]/[22]

# Specifications

	24K	36K	48K	60K
<b>NOMINAL RATING</b>				
Cooling (BTU/h)	24000	34000	47500	55000
CFM (High/Low range)	700	1050	1550	1550
External Static Pressure (in.w.c) [Pa]	0.58 [145]	0.58 [145]	0.58 [145]	0.58 [145]
<b>ELECTRICAL DATA</b>				
Voltage / Phase(60Hz)	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	4	4	5	5
Max. Overcurrent Protection (MOP) (A)	6	6	10	10
<b>FAN MOTOR</b>				
Motor Type	ECM	ECM	ECM	ECM
Capacitor (uF)	/	/	/	/
Horsepower (HP)	1/3	1/2	3/4	3/4
Rated RPM	1050	1050	1050	1050
Full Load Amps (FLA) (A)	2.6	3.8	5.4	5.4
<b>FAN BLOWER</b>				
Material	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter(in.)	16-3/4	10-3/4	10-3/4	10-3/4
Height(in.)	7-43/64	7-43/64	7-43/64	7-43/64
Coil Drain Connection FPT (in.)	3/4	3/4	3/4	3/4
<b>EVAPORATOR COIL</b>				
Type	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
Tube Material	copper&aluminum	copper&aluminum	copper&aluminum	copper&aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
<b>SOUND POWER (dB)</b>				
	51	52	59	59
<b>REFRIGERANT CONNECTION SIZE</b>				
Liquid Line Size (O.D.) (in.)	Φ3/8	Φ3/8	Φ3/8	Φ3/8
Suction Line Size (O.D.) (in.)	Φ3/4	Φ3/4	Φ7/8	Φ7/8
<b>DIMENSIONS</b>				
Width (In.)	19-5/8	19-5/8	22	22
Height (In.)	45-3/4	45-3/4	53-1/8	53-1/8
Depth (In.)	22	22	24-1/2	24-1/2
packaging dimension (W × H × D) (In.)	22-5/6×47-5/8×25-3/5	22-5/6×47-5/8×25-3/5	25-1/5×54-3/4×28	25-1/5×54-3/4×28
<b>Service Valve</b>				
Liquid (in.)	Φ3/8	Φ3/8	Φ3/8	Φ3/8
Suction (in.)	Φ3/4	Φ3/4	Φ7/8	Φ7/8
<b>Weight</b>				
Net weight (lbs.) [kg]	59/130	59/130	77/169	77/169
Shipping weight (lbs.) [kg]	65/143	65/143	83/182	83/182

# Airflow Performance

Model size of air processor	Motor speed		SCFM								
			External Static Pressure-Inch Water Column [kPa]								
			0[0]	0.1[.025]	0.2[.050]	0.3[.075]	0.4[.100]	0.5[.125]	0.6[.150]	0.7[.175]	0.8[.200]
24K	Tap (1)	SCFM	670	572	491	394	270	-	-	-	-
		Watts	41	47	52	57	61	-	-	-	-
	Tap (2)	SCFM	792	709	616	549	474	371	265	-	-
		Watts	59	67	73	77	83	88	93	-	-
	Tap (3)	SCFM	949	887	810	724	672	597	504	410	-
		Watts	96	102	109	115	129	126	132	141	-
	Tap (4)	SCFM	1021	966	887	798	739	698	672	573	490
		Watts	118	127	136	144	150	156	160	167	177
	Tap (5)	SCFM	1115	1059	995	907	842	791	727	707	653
		Watts	148	157	167	178	186	191	198	205	211
36K	Tap (1)	SCFM	955	898	840	739	652	576	512	432	392
		Watts	91	96	102	110	115	121	127	138	140
	Tap (2)	SCFM	1081	1032	977	926	819	744	675	609	547
		Watts	125	131	137	143	153	160	166	173	179
	Tap (3)	SCFM	1182	1138	1089	1043	987	879	811	750	689
		Watts	158	165	172	177	185	197	203	212	221
	Tap (4)	SCFM	1306	1262	1221	1180	1132	1086	984	914	857
		Watts	207	214	221	228	236	244	257	266	273
	Tap (5)	SCFM	1387	1350	1309	1275	1233	1187	1138	1032	970
		Watts	245	253	262	270	277	285	295	309	318
48K	Tap (1)	SCFM	1275	1220	1166	1116	1052	975	914	859	801
		Watts	153	163	173	183	194	203	212	220	231
	Tap (2)	SCFM	1435	1382	1335	1289	1244	1186	1114	1076	1016
		Watts	210	220	232	243	254	266	276	287	297
	Tap (3)	SCFM	1611	1567	1528	1482	1441	1396	1351	1262	1220
		Watts	287	301	313	325	336	355	361	381	391
	Tap (4)	SCFM	1757	1719	1675	1634	1601	1557	1520	1475	1426
		Watts	366	376	392	405	415	431	444	459	472
	Tap (5)	SCFM	1776	1748	1719	1685	1651	1622	1588	1554	1516
		Watts	511	520	530	541	551	563	576	586	599
60K	Tap (1)	SCFM	1275	1220	1166	1116	1052	975	914	859	801
		Watts	153	163	173	183	194	203	212	220	231
	Tap (2)	SCFM	1435	1382	1335	1289	1244	1186	1114	1076	1016
		Watts	210	220	232	243	254	266	276	287	297
	Tap (3)	SCFM	1611	1567	1528	1482	1441	1396	1351	1262	1220
		Watts	287	301	313	325	336	355	361	381	391
	Tap (4)	SCFM	1757	1719	1675	1634	1601	1557	1520	1475	1426
		Watts	366	376	392	405	415	431	444	459	472
	Tap (5)	SCFM	1917	1883	1843	1799	1773	1734	1701	1663	1622
		Watts	467	482	496	512	525	542	553	569	584

 The highlighted area indicates the airflow within the required range of 300-450cfm/ton.

Note:

1. The advanced airflow must be used as the rated airflow for the full-load operation of the machine.
2. The rated airflow of a system without an electric heater kit requires 300 to 450 cubic feet of air per minute (CFM).

3. The rated airflow of a system with an electric heater kit requires 350 to 450 cubic feet of air per minute (CFM).
4. The air distribution system has the greatest influence on air flow. Therefore, the contractor should only use the procedures recognized by the industry.
5. The design and construction of air duct should be done carefully. Poor design or process will lead to a significant decline in system performance.
6. The air supply duct should be set along the periphery of the air-conditioned space with appropriate size. Improper location or insufficient airflow may lead to insufficient ventilation or noise in the ductwork.
7. The installer should balance the air distribution system to ensure that all rooms in the room have proper quiet airflow. The speedometer or airflow hood can be used to balance and verify the branch duct and system airflow (CFM).

## Features

- A-shaped evaporator coil engineered for superior heat transfer efficiency and minimal static pressure drop
- Foil-faced insulation to minimize energy loss through the cabinet
- Multi-speed blower control that automatically adjusts to meet varying system capacity needs
- Versatile four-position installation: Upflow, Downflow, Horizontal Left, and Horizontal Right
- Standard horizontal and vertical condensate drain pans with both primary and secondary drain connections
- Field-installable electric heat kits available in 5, 7.5, 10, 15, and 20 kW capacities; multiple electrical entry points for flexible installation
- Removable dual front panels, slide-out blower and coil assembly on tracks
- Built-in filter rack with tool-free door for easy filter changes
- Copper evaporator lines designed for straightforward brazing
- Pre-installed Thermostatic Expansion Valve (TXV)
- Durable polymer drain pan with built-in UV inhibitor to extend service life
- Fully insulated cabinet construction for optimal efficiency
- Factory-installed R454B refrigerant detection sensor for enhanced safety and broader application compatibility
- AHRI certified and ETL listed



Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.