

Job Name: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Submitted To: \_\_\_\_\_

Construction: \_\_\_\_\_

Reference: \_\_\_\_\_

Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Unit: \_\_\_\_\_

Drawing #: \_\_\_\_\_



**Outdoor Model:**  
**1Q24FF2BEA**



**Indoor Model:**  
**QS24WB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB30WA
Side Wind Baffle	UASWB30WA
Back Wind Baffle	UAWB30WA
Top Cover	UATC35WA
Central Controller	UACT32A

### Indoor Accessories

Wired Controller	QACT17B
Refrigerant Detection Sensor (RDS)	UALS01A
Remote Controller	WJ26X35393

### Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23 ~ 115°F (-5 ~ 46°C)
	Cooling (With Wind Baffle or Top Cover)	-40 ~ 115°F (-40 ~ 46°C)
	Heating	-15 ~ 75°F (-26 ~ 24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	24,000
	Capacity Range Btu/hr	4,500-26,000
	SEER2 / EER2	18 / 12
	Rated Power Input W	2,000
Heating	Moisture Removal Pt./hr	4.9
	Rated Heating Capacity 47°F Btu/hr	24,000
	Heating Capacity Range Btu/hr	4,000-26,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV)	9.5
	Rated Power Input W	1,954
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	30
Indoor Unit	Minimum Circuit Amp A	20
	Outdoor Noise Level dB	61
	Dimension: H x W x D in (mm)	32 1/8 x 40 3/8 x 14 5/8 (815 x 1024 x 370)
	Carton Dimension: H x W x D in (mm)	34 5/8 x 43 1/8 x 18 7/8 (880 x 1095 x 480)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	121.36/147.84 (55/67)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	800/730/630/535/440
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1300/1200/1050/900/750
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	54/50/47/44/38
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	800/730/630/535/440
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1300/1200/1050/900/750
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	54/50/47/44/38
	Dimension: H x W x D in (mm)	13 1/2 x 44 1/2 x 9 1/8 (343 x 1129 x 232)
	Carton Dimension: H x W x D in (mm)	12 1/2 x 47 3/8 x 17 (319 x 1202 x 432)
	Weight (Net/Ship) - lbs (kg)	34.86/43.03 (15.8/19.5)
Refrigerant Lines	Drain Pipe Size O.D in	5/8
	WiFi*	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes (UALS01A, sold separately)
Refrigerant Lines	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	1/4
	Suction O.D. in	1/2
Refrigerant Lines	Factory Charge Oz	67.0
	Maximum Line Length Ft / m	165/50
Refrigerant Lines	Maximum Line Length Ft / m	100/30

## 1Q24FF2BEA / QS24WB2BEA

## Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60			64			68			70			72			75			79		
	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP
-15°F (-26°C)	16,782	2,499	1.97	15,777	2,550	1.81	15,302	2,602	1.72	14,842	2,655	1.64	14,396	2,709	1.56	13,963	2,764	1.48	13,127	2,821	1.36
-5°F (-21°C)	18,965	2,748	2.02	17,829	2,804	1.86	17,293	2,861	1.77	16,773	2,919	1.68	16,269	2,979	1.60	15,779	3,040	1.52	14,834	3,102	1.40
0°F (-18°C)	20,102	2,913	2.02	18,899	2,972	1.86	18,330	3,033	1.77	17,779	3,095	1.68	17,245	3,158	1.60	16,726	3,222	1.52	15,724	3,288	1.40
5°F (-15°C)	21,709	2,942	2.16	20,409	3,002	1.99	19,795	3,063	1.89	19,200	3,126	1.80	18,623	3,190	1.71	18,063	3,255	1.63	16,981	3,321	1.50
14°F (-10°C)	23,011	2,954	2.28	21,633	3,014	2.10	20,983	3,076	2.00	20,352	3,139	1.90	19,740	3,203	1.81	19,146	3,268	1.72	18,000	3,335	1.58
23°F (-5°C)	24,392	2,966	2.41	22,931	3,026	2.22	22,242	3,088	2.11	21,573	3,151	2.01	20,924	3,215	1.91	20,295	3,281	1.81	19,080	3,348	1.67
32°F (0°C)	25,855	2,838	2.67	24,307	2,896	2.46	23,576	2,955	2.34	22,867	3,015	2.22	22,180	3,077	2.11	21,513	3,140	2.01	20,224	3,204	1.85
41°F (5°C)	27,407	2,580	3.11	25,765	2,633	2.87	24,991	2,687	2.73	24,239	2,741	2.59	23,510	2,797	2.46	22,803	2,854	2.34	21,438	2,913	2.16
47°F (8°C)	27,136	1,839	4.32	25,511	1,877	3.98	24,744	1,915	3.79	24,000	1,954	3.60	23,278	1,994	3.42	22,578	2,035	3.25	21,226	2,076	3.00
55°F (13°C)	27,949	1,848	4.43	26,276	1,886	4.08	25,486	1,925	3.88	24,719	1,964	3.69	23,976	2,004	3.51	23,255	2,045	3.33	21,863	2,087	3.07
65°F (18°C)	28,787	1,858	4.54	27,063	1,896	4.18	26,249	1,934	3.98	25,460	1,974	3.78	24,695	2,014	3.59	23,952	2,055	3.42	22,518	2,097	3.15
75°F (24°C)	29,650	1,867	4.65	27,874	1,905	4.29	27,036	1,944	4.08	26,223	1,984	3.87	25,435	2,024	3.68	24,670	2,065	3.50	23,193	2,108	3.23

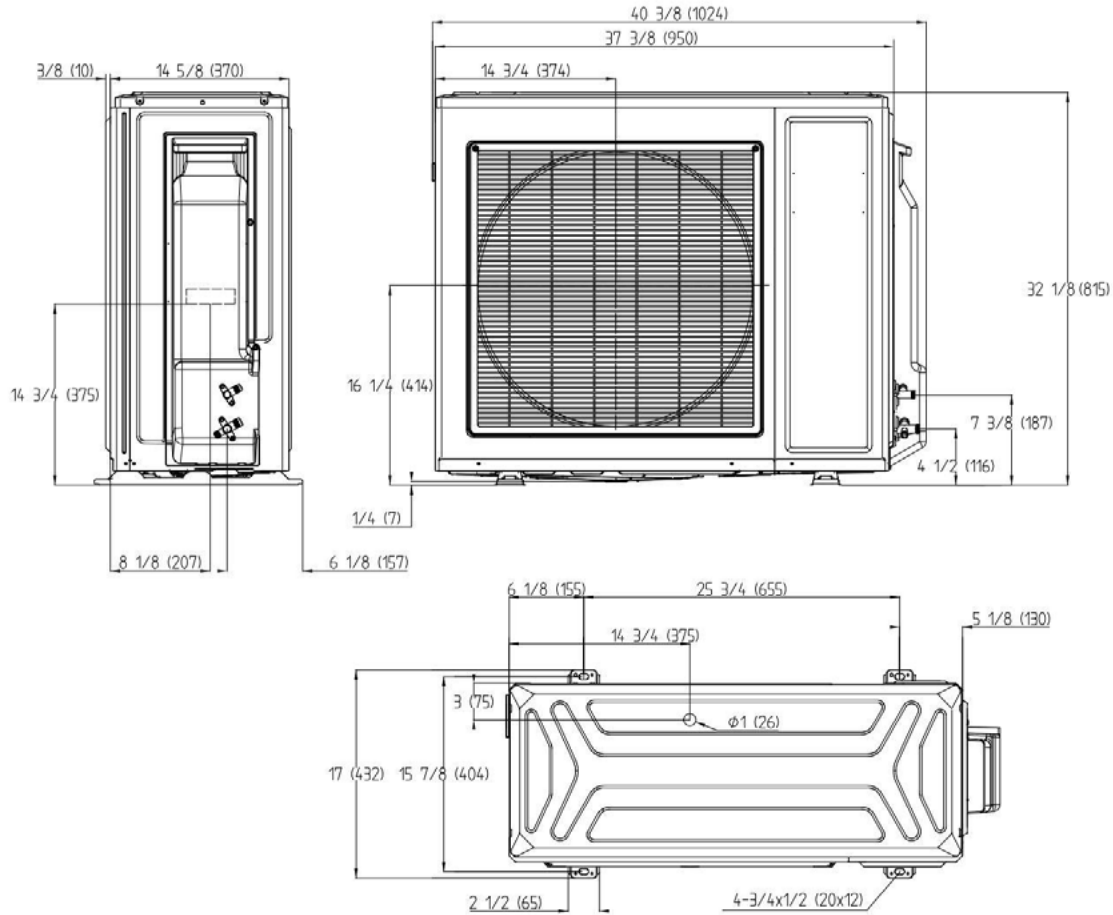
## Cooling Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72		
	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2
-40°F (-40°C)	20,266	1,429	14.18	21,143	1,377	15.35	22,059	1,325	16.65	23,014	1,276	18.04	24,010	1,228	19.55	25,050	1,183	21.17	26,134	1,141	22.91
-22°F (-30°C)	20,608	1,458	14.13	21,501	1,405	15.30	22,431	1,352	16.59	23,403	1,302	17.98	24,416	1,253	19.48	25,473	1,208	21.09	26,576	1,164	22.83
-15°F (-26°C)	20,957	1,488	14.08	21,864	1,434	15.25	22,810	1,380	16.53	23,798	1,328	17.92	24,829	1,279	19.42	25,903	1,232	21.02	27,025	1,188	22.75
-4°F (-20°C)	21,311	1,519	14.03	22,233	1,463	15.19	23,196	1,408	16.47	24,200	1,355	17.86	25,248	1,305	19.35	26,341	1,257	20.95	27,482	1,212	22.67
5°F (-15°C)	21,671	1,550	13.99	22,609	1,493	15.14	23,588	1,437	16.42	24,609	1,383	17.79	25,675	1,331	19.28	26,786	1,283	20.88	27,946	1,237	22.59
14°F (-10°C)	22,037	1,581	13.94	22,991	1,524	15.09	23,987	1,466	16.36	25,025	1,411	17.73	26,109	1,359	19.22	27,239	1,309	20.80	28,418	1,262	22.52
23°F (-5°C)	22,409	1,613	13.89	23,380	1,555	15.04	24,392	1,496	16.30	25,448	1,440	17.67	26,550	1,386	19.15	27,699	1,336	20.73	28,899	1,288	22.44
32°F (0°C)	21,961	1,777	12.36	22,912	1,712	13.38	23,904	1,648	14.51	24,939	1,586	15.73	26,019	1,527	17.04	27,146	1,471	18.45	28,321	1,418	19.97
50°F (10°C)	21,522	1,938	11.11	22,454	1,867	12.03	23,426	1,797	13.04	24,441	1,729	14.13	25,499	1,665	15.32	26,603	1,605	16.58	27,755	1,547	17.94
68°F (20°C)	21,092	2,093	10.08	22,005	2,016	10.91	22,958	1,940	11.83	23,952	1,868	12.82	24,989	1,798	13.90	26,071	1,733	15.05	27,200	1,670	16.28
86°F (30°C)	20,670	2,238	9.24	21,565	2,157	10.00	22,499	2,075	10.84	23,473	1,997	11.75	24,490	1,923	12.74	25,550	1,853	13.79	26,656	1,787	14.92
95°F (35°C)	20,257	2,328	8.70	21,134	2,243	9.42	22,049	2,158	10.22	23,004	2,077	11.07	24,000	2,000	12.00	25,039	1,927	12.99	26,123	1,858	14.06
104°F (40°C)	19,852	2,421	8.20	20,712	2,333	8.88	21,609	2,245	9.63	22,544	2,161	10.43	23,520	2,080	11.31	24,539	2,005	12.24	25,601	1,933	13.25
110°F (43°C)	19,654	2,470	7.96	20,505	2,380	8.61	21,392	2,291	9.34	22,319	2,205	10.12	23,285	2,123	10.97	24,293	2,046	11.88	25,345	1,972	12.85
115°F (46°C)	19,457	2,545	7.64	20,300	2,452	8.28	21,179	2,360	8.97	22,096	2,272	9.73	23,052	2,187	10.54	24,050	2,107	11.41	25,092	2,032	12.35

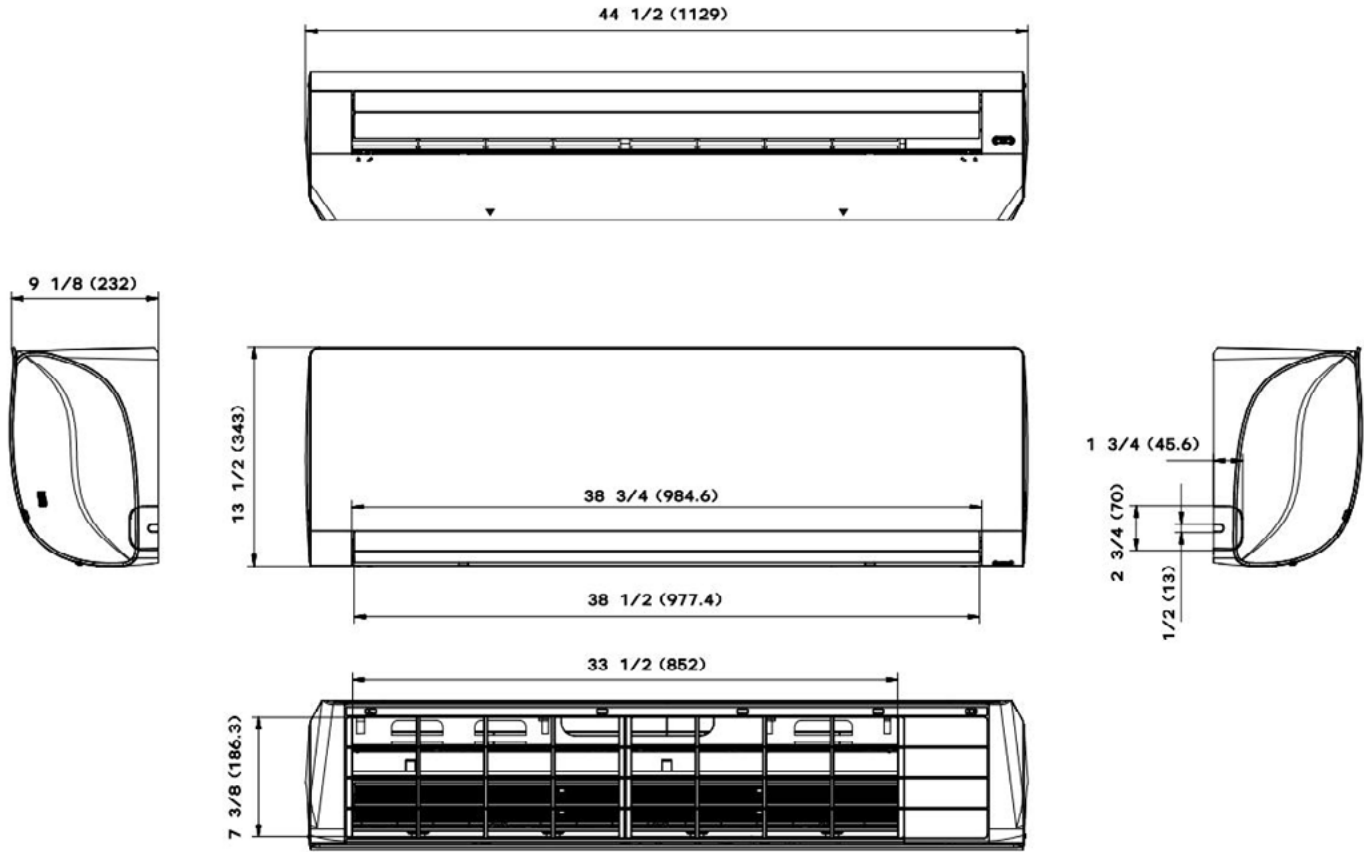
\*Front/side/back wind baffle and top cover accessories are required for low ambient cooling below 23°F (-5°C).

### 1Q24FF2BEA



Note: Dimensions are shown in inches (millimeters)

QS24WB2BEA



Note: Dimensions are shown in inches (millimeters)

Job Name: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Submitted To: \_\_\_\_\_

Construction: \_\_\_\_\_

Reference: \_\_\_\_\_

Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Unit: \_\_\_\_\_

Drawing #: \_\_\_\_\_



**Outdoor Model:**  
**1Q24FF2BEA**



**Indoor Model:**  
**US24LB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB30WA
Side Wind Baffle	UASWB30WA
Back Wind Baffle	UAWB30WA
Top Cover	UATC35WA
Central Controller	UACT32A

### Indoor Accessories

Cassette Panel (Required)	QALCP01WA
Wired Controller	QACT17B
Refrigerant Detection Sensor (RDS)	UALS01A
Remote Controller	WJ26X35394

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### Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23 ~ 115°F (-5 ~ 46°C)
	Cooling (With Wind Baffle or Top Cover)	-40 ~ 115°F (-40 ~ 46°C)
	Heating	-15 ~ 75°F (-26 ~ 24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	23,000
	Capacity Range Btu/hr	4,500-25,000
	SEER2 / EER2	19.5 / 11.7
	Rated Power Input W	1,917
Heating	Moisture Removal Pt./hr	6.9
	Rated Heating Capacity 47°F Btu/hr	25,000
	Heating Capacity Range Btu/hr	4,000-25,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV)	9.5
	Rated Power Input W	2,093
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	30
Indoor Unit	Minimum Circuit Amp A	20
	Outdoor Noise Level dB	61
	Dimension: H x W x D in (mm)	32 1/8 x 40 3/8 x 14 5/8 (815 x 1024 x 370)
	Carton Dimension: H x W x D in (mm)	34 5/8 x 43 1/8 x 18 7/8 (880 x 1095 x 480)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	121.36/147.84 (55/67)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	1033/873/858/640/400
	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	620/580/540/430/360
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	49/47/45/39/35
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	1033/873/858/640/400
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	620/580/540/430/360
	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	48/47/45/38/34
	Dimension: H x W x D in (mm)	9 3/4 x 33 x 33 (248 x 840 x 840)
	Carton Dimension: H x W x D in (mm)	12 3/8 x 38 1/2 x 38 1/2 (315 x 978 x 978)
	Weight (Net/Ship) - lbs (kg)	56.22/85.32 (25.5/38.7)
Refrigerant Lines	Drain Pipe Size O.D in	1*
	Max. Drain-Lift Height in (mm)	39 3/8 (1000)
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes (UALS01A, sold separately)
	Refrigerant	R454B
	Connections	Flare
Refrigerant Lines	Liquid O.D. in	3/8 (use 1/4" to 3/8" adaptor shipped with outdoor unit)
	Suction O.D. in	5/8 (use 1/2" to 5/8" adaptor shipped with outdoor unit)
	Factory Charge Oz	67.0
	Maximum Line Length Ft / m	165/50
Refrigerant Lines	Maximum Height Ft / m	100/30

\*Condensate drain adapter shipped with indoor unit is designed to accept a 3/4" PVC pipe.

\*\*WiFi includes SmartHQ™ Home and SmartHQ™ Service compatibility.

## 1Q24FF2BEA / US24LB2BEA

## Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60			64			68			70			72			75			79		
	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP
-15°F (-26°C)	12,313	1,906	1.89	11,575	1,945	1.74	11,227	1,984	1.66	10,890	2,025	1.58	10,562	2,066	1.50	10,245	2,108	1.42	9,631	2,151	1.31
-5°F (-21°C)	14,825	2,088	2.08	13,938	2,130	1.92	13,519	2,174	1.82	13,112	2,218	1.73	12,718	2,263	1.65	12,335	2,310	1.57	11,597	2,357	1.44
0°F (-18°C)	17,338	2,254	2.25	16,299	2,300	2.08	15,809	2,347	1.97	15,334	2,395	1.88	14,873	2,444	1.78	14,426	2,494	1.70	13,562	2,544	1.56
5°F (-15°C)	22,613	3,065	2.16	21,259	3,127	1.99	20,620	3,191	1.89	20,000	3,256	1.80	19,399	3,322	1.71	18,815	3,390	1.63	17,689	3,459	1.50
14°F (-10°C)	20,603	2,237	2.70	19,369	2,282	2.49	18,786	2,329	2.36	18,222	2,376	2.25	17,674	2,425	2.14	17,142	2,474	2.03	16,116	2,525	1.87
23°F (-5°C)	22,864	1,888	3.55	21,495	1,927	3.27	20,848	1,966	3.11	20,221	2,006	2.95	19,613	2,047	2.81	19,024	2,089	2.67	17,884	2,132	2.46
32°F (0°C)	23,617	1,823	3.80	22,203	1,860	3.50	21,535	1,898	3.33	20,888	1,936	3.16	20,260	1,976	3.01	19,651	2,016	2.86	18,474	2,057	2.63
41°F (5°C)	25,879	1,807	4.20	24,329	1,844	3.87	23,598	1,882	3.68	22,888	1,920	3.49	22,200	1,959	3.32	21,533	1,999	3.16	20,243	2,040	2.91
47°F (8°C)	28,267	1,970	4.21	26,574	2,010	3.87	25,775	2,051	3.68	25,000	2,093	3.50	24,248	2,136	3.33	23,519	2,179	3.16	22,111	2,224	2.91
55°F (13°C)	27,561	1,675	4.82	25,911	1,710	4.44	25,132	1,744	4.22	24,376	1,780	4.01	23,643	1,816	3.81	22,932	1,853	3.63	21,559	1,891	3.34
65°F (18°C)	28,833	1,420	5.95	27,106	1,449	5.48	26,291	1,478	5.21	25,501	1,509	4.95	24,734	1,539	4.71	23,990	1,571	4.48	22,553	1,603	4.12
75°F (24°C)	30,245	1,537	5.77	28,434	1,569	5.31	27,579	1,601	5.05	26,750	1,633	4.80	25,945	1,667	4.56	25,165	1,701	4.34	23,658	1,735	4.00

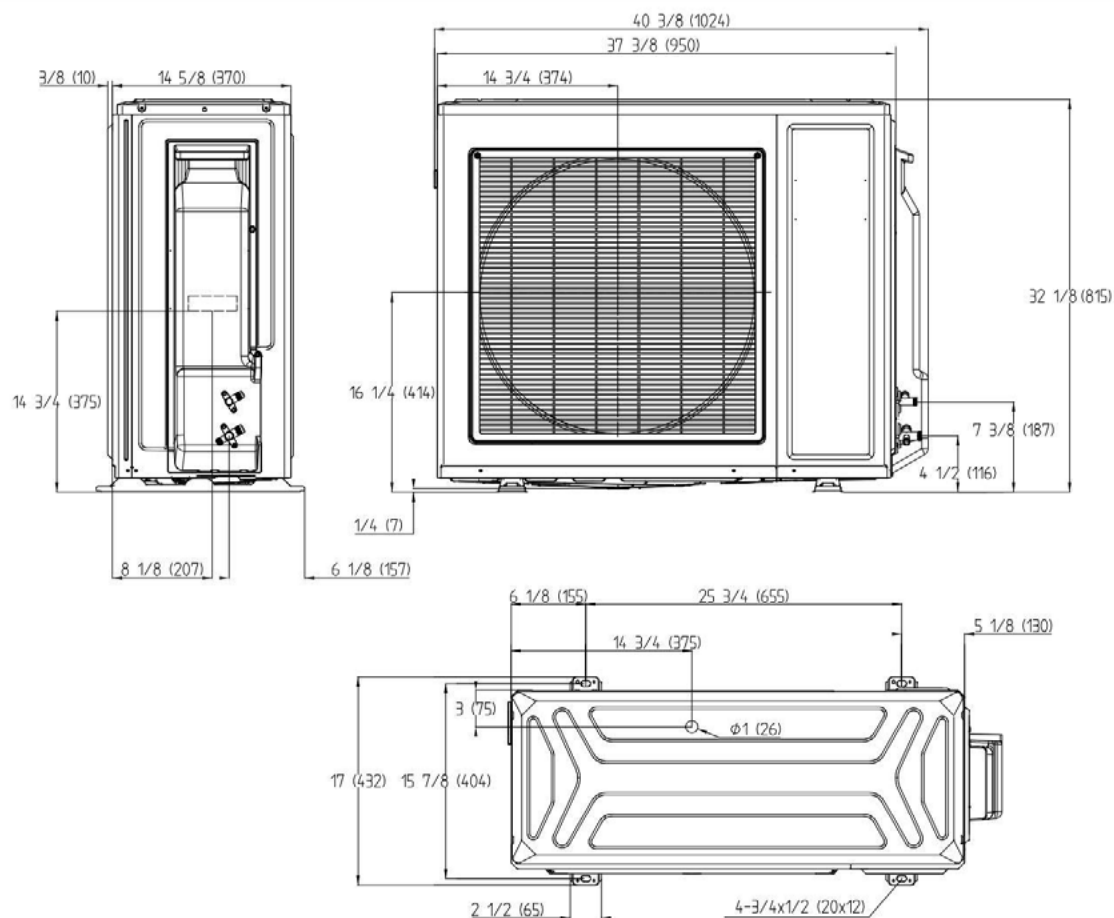
## Cooling Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72		
	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2
-40°F (-40°C)	14,221	738	19.27	14,836	711	20.87	15,479	684	22.63	16,149	658	24.52	16,848	634	26.58	17,578	611	28.77	18,339	589	31.14
-22°F (-30°C)	14,461	753	19.21	15,087	725	20.80	15,740	698	22.55	16,422	672	24.44	17,133	647	26.49	17,875	623	28.67	18,649	601	31.03
-15°F (-26°C)	14,705	768	19.14	15,342	740	20.73	16,006	712	22.47	16,699	686	24.36	17,422	660	26.40	18,177	636	28.57	18,964	613	30.92
-4°F (-20°C)	14,954	784	19.08	15,601	755	20.65	16,277	727	22.39	16,982	700	24.27	17,717	674	26.30	18,484	649	28.48	19,284	626	30.82
5°F (-15°C)	15,207	800	19.01	15,865	771	20.58	16,552	742	22.32	17,269	714	24.19	18,016	687	26.21	18,796	662	28.38	19,610	639	30.71
14°F (-10°C)	15,464	816	18.95	16,133	786	20.51	16,832	757	22.24	17,560	728	24.11	18,321	701	26.12	19,114	676	28.28	19,941	652	30.61
23°F (-5°C)	15,725	833	18.88	16,406	803	20.44	17,116	772	22.16	17,857	743	24.02	18,630	716	26.03	19,437	690	28.18	20,279	665	30.50
32°F (0°C)	17,278	982	17.60	18,026	946	19.06	18,807	910	20.66	19,621	876	22.40	20,471	843	24.27	21,357	813	26.28	22,282	784	28.44
50°F (10°C)	20,190	1,101	18.35	21,064	1,060	19.86	21,976	1,020	21.54	22,927	982	23.34	23,920	946	25.30	24,956	911	27.38	26,036	879	29.64
68°F (20°C)	21,549	1,547	13.93	22,482	1,490	15.08	23,456	1,434	16.35	24,471	1,381	17.73	25,531	1,329	19.21	26,636	1,281	20.80	27,790	1,235	22.51
86°F (30°C)	20,093	1,993	10.08	20,963	1,920	10.92	21,870	1,848	11.83	22,817	1,779	12.83	23,805	1,712	13.90	24,836	1,650	15.05	25,911	1,591	16.29
95°F (35°C)	19,413	2,231	8.70	20,254	2,150	9.42	21,131	2,069	10.21	22,046	1,991	11.07	23,000	1,917	12.00	23,996	1,847	12.99	25,035	1,781	14.06
104°F (40°C)	16,695	2,142	7.80	17,418	2,064	8.44	18,172	1,986	9.15	18,959	1,912	9.92	19,780	1,840	10.75	20,636	1,773	11.64	21,530	1,710	12.59
110°F (43°C)	16,307	2,320	7.03	17,013	2,236	7.61	17,750	2,151	8.25	18,518	2,071	8.94	19,320	1,994	9.69	20,157	1,921	10.49	21,029	1,852	11.35
115°F (46°C)	15,725	2,409	6.53	16,406	2,322	7.07	17,116	2,234	7.66	17,858	2,150	8.30	18,631	2,070	9.00	19,437	1,995	9.74	20,279	1,923	10.54

\*Front/side/back wind baffle and top cover accessories are required for low ambient cooling below 23°F (-5°C).

**1Q24FF2BEA**



Note: Dimensions are shown in inches (millimeters)

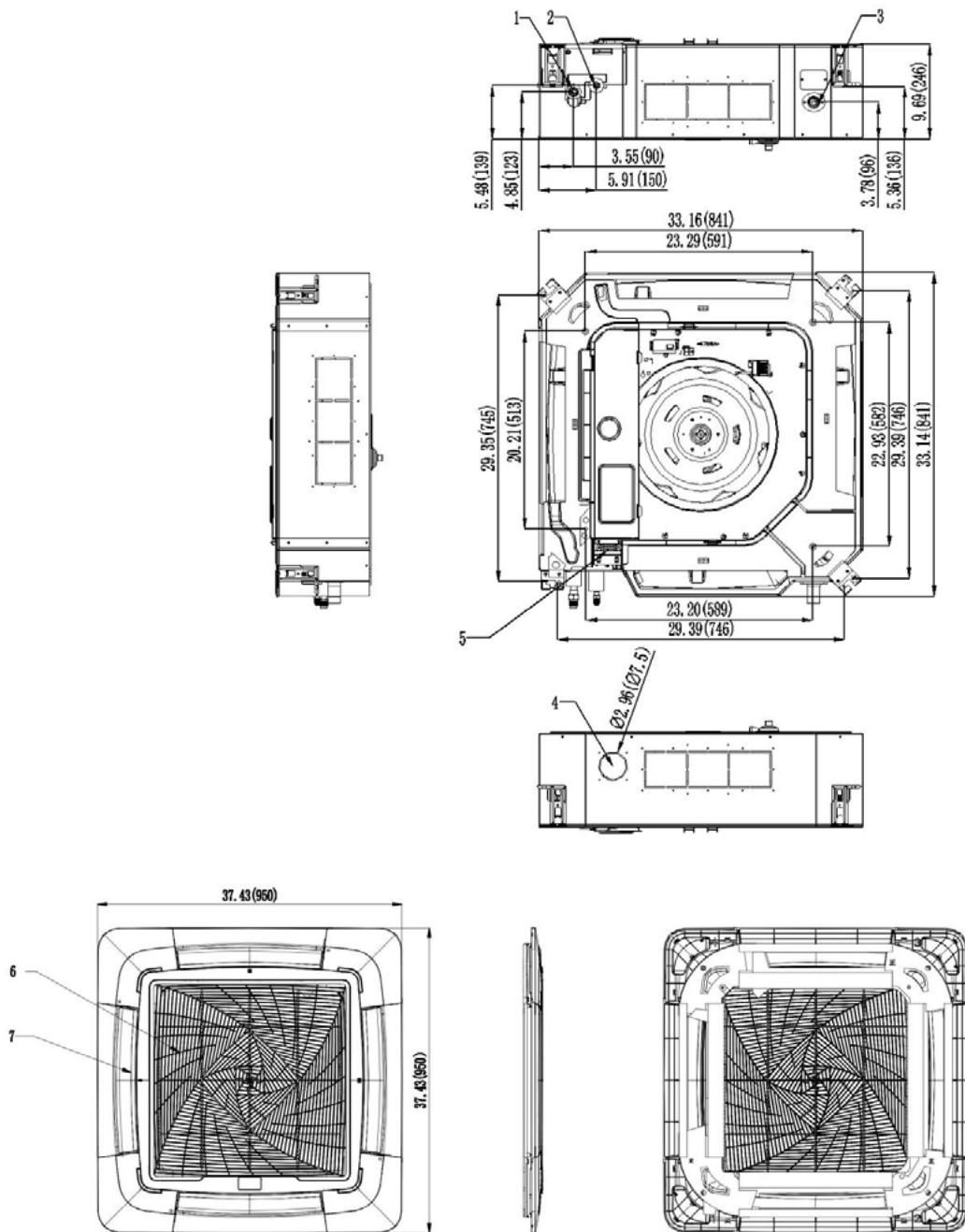
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### US24LB2BEA



NO.	Parts Name	Notes
1	Gas pipe connection	
2	Liquid pipe connection	
3	Drain pipe connection	
4	Fresh air inlet	
5	PQ line connection Power supply connection	
6	Air inlet grille	
7	Air outlet	

Note: Dimensions are shown in inches (millimeters)

Job Name: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Submitted To: \_\_\_\_\_

Construction: \_\_\_\_\_

Reference: \_\_\_\_\_

Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Unit: \_\_\_\_\_

Drawing #: \_\_\_\_\_



**Outdoor Model:**  
**1Q24FF2BEA**



**Indoor Model:**  
**US24MB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB30WA
Side Wind Baffle	UASWB30WA
Back Wind Baffle	UAWB30WA
Top Cover	UATC35WA
Central Controller	UACT32A

### Indoor Accessories

Wired Controller	QACT17B
Supply Plenum	UAPT1824A
MERV Return Air Filter Box	UAMFB1824A

### Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23 ~ 115°F (-5 ~ 46°C)
	Cooling (With Wind Baffle or Top Cover)	-40 ~ 115°F (-40 ~ 46°C)
Power	Heating	-15 ~ 75°F (-26 ~ 24°C)
	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
Cooling	Operating Voltage Range	187-253 VAC
	Rated Capacity Btu/hr	24,000
	Capacity Range Btu/hr	4,500-26,000
	SEER2 / EER2	18 / 10
	Rated Power Input W	2,400
Heating	Moisture Removal Pt./hr	4.9
	Rated Heating Capacity 47°F Btu/hr	24,800
	Heating Capacity Range Btu/hr	4,000-26,000
	COP 5°F	1.8
	HSPF2 (IV)	9.4
Outdoor Unit	Rated Power Input W	2,019
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	30
	Minimum Circuit Amp A	20
	Outdoor Noise Level dB	61
Indoor Unit	Dimension: H x W x D in (mm)	32 1/8 x 40 3/8 x 14 5/8 (815 x 1024 x 370)
	Carton Dimension: H x W x D in (mm)	34 5/8 x 43 1/8 x 18 7/8 (880 x 1095 x 480)
	Weight (Net/Ship) - lbs (kg)	121.36/147.84 (55/67)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	927/844/667/564/482
	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1070/1030/880/790/740
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	47/46/41/38/37
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	927/844/667/564/482
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1070/1030/880/790/740
	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	46/45/40/38/36
	Dimension: H x W x D in (mm)	9 3/4 x 47 1/2 x 27 1/2 (248 x 1207 x 700)
	Carton Dimension: H x W x D in (mm)	13 7/8 x 53 x 34 (353 x 1345 x 860)
	Weight (Net/Ship) - lbs (kg)	87.74/123.46 (39.8/56)
	Max. External Static Pressure in.WG (Pa)	0.6 (150)
Refrigerant Lines	Drain Pipe Size O.D in	1*
	Max. Drain-Lift Height in (mm)	27 1/2 (700)
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	Yes
	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	3/8 (use 1/4" to 3/8" adaptor shipped with outdoor unit)
Refrigerant Lines	Suction O.D. in	5/8 (use 1/2" to 5/8" adaptor shipped with outdoor unit)
	Factory Charge Oz	67.02
	Maximum Line Length Ft / m	165/50
	Maximum Height Ft / m	100/30

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\*Condensate drain adapter shipped with indoor unit is designed to accept a 3/4" PVC pipe.

\*\*WiFi includes SmartHQ™ Home and SmartHQ™ Service compatibility.

## 1Q24FF2BEA / US24MB2BEA

## Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60			64			68			70			72			75			79		
	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP	TC (Btu/h)	PI (W)	COP
-15°F (-26°C)	13,003	2,140	1.78	12,224	2,184	1.64	11,856	2,228	1.56	11,500	2,274	1.48	11,154	2,320	1.41	10,819	2,368	1.34	10,171	2,416	1.23
-5°F (-21°C)	16,395	2,628	1.83	15,413	2,682	1.68	14,949	2,737	1.60	14,500	2,793	1.52	14,064	2,849	1.45	13,641	2,908	1.37	12,824	2,967	1.27
0°F (-18°C)	18,373	2,726	1.98	17,273	2,781	1.82	16,754	2,838	1.73	16,250	2,896	1.64	15,761	2,955	1.56	15,287	3,015	1.49	14,372	3,077	1.37
5°F (-15°C)	22,613	3,065	2.16	21,259	3,127	1.99	20,620	3,191	1.89	20,000	3,256	1.80	19,399	3,322	1.71	18,815	3,390	1.63	17,689	3,459	1.50
14°F (-10°C)	22,613	2,870	2.31	21,259	2,929	2.13	20,620	2,989	2.02	20,000	3,050	1.92	19,399	3,112	1.83	18,815	3,175	1.74	17,689	3,240	1.60
23°F (-5°C)	25,440	2,773	2.69	23,916	2,830	2.48	23,197	2,887	2.35	22,500	2,946	2.24	21,823	3,007	2.13	21,167	3,068	2.02	19,899	3,131	1.86
32°F (0°C)	26,289	2,676	2.88	24,715	2,731	2.65	23,971	2,786	2.52	23,251	2,843	2.40	22,552	2,901	2.28	21,874	2,960	2.17	20,564	3,021	2.00
41°F (5°C)	29,986	2,362	3.72	28,190	2,410	3.43	27,343	2,459	3.26	26,521	2,509	3.10	25,723	2,561	2.94	24,950	2,613	2.80	23,456	2,666	2.58
47°F (8°C)	28,041	1,900	4.32	26,361	1,939	3.98	25,569	1,979	3.79	24,800	2,019	3.60	24,054	2,060	3.42	23,331	2,102	3.25	21,934	2,145	3.00
55°F (13°C)	27,480	1,820	4.43	25,834	1,857	4.08	25,058	1,895	3.88	24,304	1,933	3.68	23,573	1,973	3.50	22,865	2,013	3.33	21,495	2,054	3.07
65°F (18°C)	28,321	1,689	4.91	26,625	1,723	4.53	25,825	1,759	4.30	25,048	1,794	4.09	24,295	1,831	3.89	23,564	1,868	3.70	22,153	1,907	3.41
75°F (24°C)	30,284	1,831	4.85	28,470	1,868	4.47	27,614	1,906	4.25	26,784	1,945	4.04	25,978	1,985	3.84	25,197	2,025	3.65	23,688	2,067	3.36

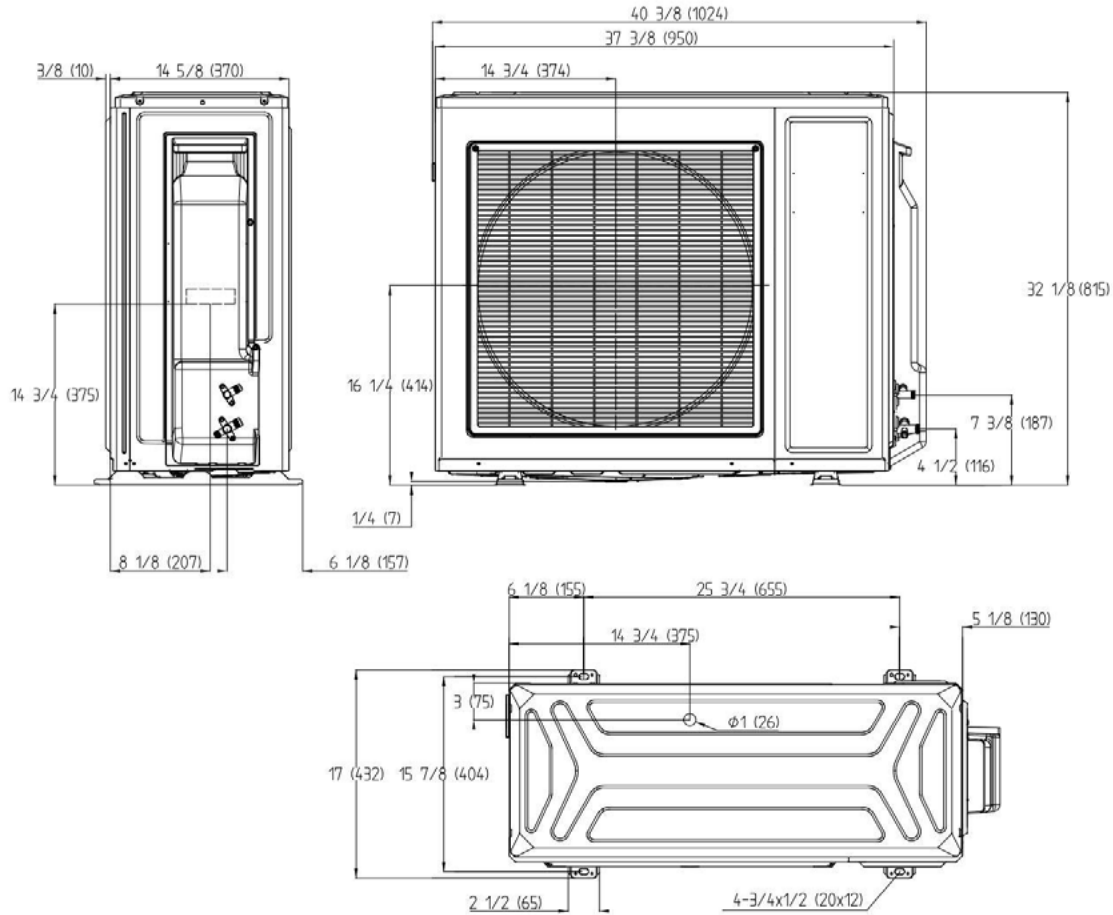
## Cooling Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72		
	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2	TC (Btu/h)	PI (W)	EER2
-40°F (-40°C)	15,021	990	15.18	15,672	954	16.43	16,350	918	17.82	17,058	883	19.31	17,797	850	20.93	18,567	819	22.66	19,371	790	24.52
-22°F (-30°C)	15,275	1,010	15.13	15,937	973	16.38	16,627	936	17.76	17,346	901	19.25	18,098	868	20.86	18,881	836	22.58	19,699	806	24.44
-15°F (-26°C)	15,533	1,030	15.07	16,206	993	16.32	16,908	955	17.70	17,640	920	19.18	18,403	885	20.79	19,200	853	22.50	20,031	823	24.35
-4°F (-20°C)	15,796	1,051	15.02	16,480	1,013	16.27	17,193	975	17.63	17,938	938	19.11	18,714	903	20.71	19,525	871	22.42	20,370	839	24.27
5°F (-15°C)	16,063	1,073	14.97	16,758	1,034	16.21	17,484	995	17.57	18,241	958	19.05	19,031	922	20.64	19,855	888	22.35	20,714	856	24.18
14°F (-10°C)	16,334	1,095	14.92	17,042	1,055	16.15	17,779	1,015	17.51	18,549	977	18.98	19,352	941	20.57	20,190	907	22.27	21,064	874	24.10
23°F (-5°C)	16,610	1,117	14.87	17,330	1,076	16.10	18,080	1,036	17.45	18,863	997	18.92	19,679	960	20.50	20,531	925	22.19	21,420	892	24.02
32°F (0°C)	18,636	1,229	15.17	19,443	1,184	16.42	20,285	1,139	17.80	21,163	1,097	19.30	22,079	1,056	20.91	23,035	1,018	22.64	24,033	981	24.50
50°F (10°C)	19,851	1,378	14.41	20,710	1,328	15.60	21,607	1,278	16.91	22,543	1,230	18.33	23,519	1,184	19.87	24,537	1,141	21.51	25,599	1,100	23.27
68°F (20°C)	21,472	1,937	11.09	22,402	1,866	12.01	23,372	1,796	13.02	24,384	1,728	14.11	25,439	1,664	15.29	26,541	1,604	16.55	27,690	1,546	17.91
86°F (30°C)	20,865	2,495	8.36	21,768	2,404	9.05	22,711	2,314	9.82	23,694	2,227	10.64	24,720	2,144	11.53	25,790	2,066	12.48	26,907	1,992	13.51
95°F (35°C)	20,257	2,793	7.25	21,134	2,691	7.85	22,049	2,590	8.51	23,004	2,493	9.23	24,000	2,400	10.00	25,039	2,313	10.83	26,123	2,230	11.72
104°F (40°C)	17,421	2,719	6.41	18,175	2,620	6.94	18,962	2,521	7.52	19,783	2,426	8.15	20,640	2,336	8.84	21,533	2,251	9.57	22,466	2,170	10.35
110°F (43°C)	16,610	2,905	5.72	17,330	2,799	6.19	18,080	2,694	6.71	18,863	2,593	7.28	19,679	2,496	7.88	20,532	2,405	8.54	21,420	2,319	9.24
115°F (46°C)	15,800	3,091	5.11	16,484	2,978	5.53	17,198	2,866	6.00	17,942	2,759	6.50	18,719	2,656	7.05	19,530	2,560	7.63	20,375	2,467	8.26

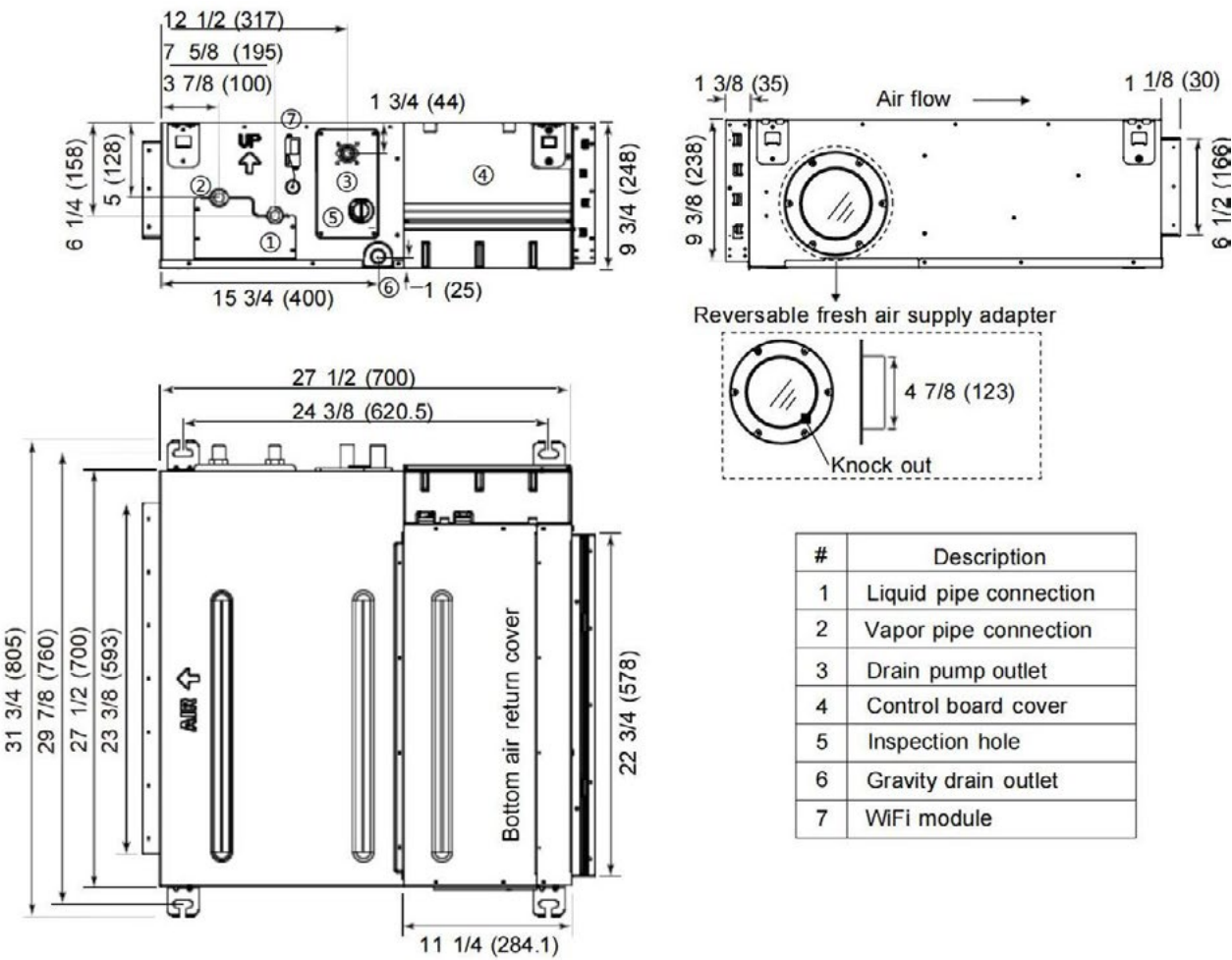
\*Front/side/back wind baffle and top cover accessories are required for low ambient cooling below 23°F (-5°C).

### 1Q24FF2BEA



Note: Dimensions are shown in inches (millimeters)

US24MB2BEA



Note: Dimensions are shown in inches (millimeters)

SUBMITTAL REVISION HISTORY

05-14-25: Submittal release.