

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

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

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

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

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

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

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

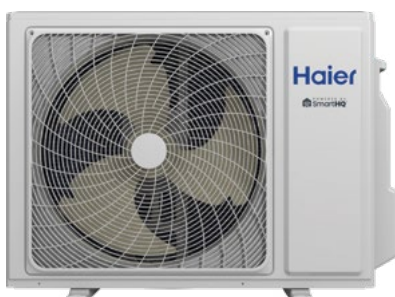
Submitted By: \_\_\_\_\_

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

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



**Outdoor Model:**  
**1Q18FF2BEA**



**Indoor Model:**  
**QS18WB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB15WA
Side Wind Baffle	UASWB15WA
Back Wind Baffle	UAWB15WA
Top Cover	UATC20WA
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	17,000
	Capacity Range Btu/hr	4,500-19,000
	SEER2 / EER2	20 / 12
	Rated Power Input W	1,417
Heating	Moisture Removal Pt./hr	3.6
	Rated Heating Capacity 47°F Btu/hr	19,000
	Heating Capacity Range Btu/hr	4,000-20,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV)	9.5
	Rated Power Input W	1,547
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	20
Indoor Unit	Minimum Circuit Amp A	15
	Outdoor Noise Level dB	58
	Dimension: H x W x D in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: H x W x D in (mm)	27 1/4 x 37 1/4 x 15 3/8 (691 x 945 x 392)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	90.47/103.26 (41/46.8)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	570/520/480/420/330
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1250/1150/1050/950/800
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	50/46/44/40/35
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	570/520/450/380/310
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1250/1150/1025/900/750
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	48/46/41/38/33
	Dimension: H x W x D in (mm)	12 7/8 x 39 3/8 x 8 3/4 (327 x 999 x 223)
	Carton Dimension: H x W x D in (mm)	12 3/8 x 43 1/4 x 16 1/2 (313 x 1100 x 420)
	Weight (Net/Ship) - lbs (kg)	27.8/34.64 (12.6/15.7)
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	45.9
	Maximum Line Length Ft / m	83/25
Refrigerant Lines	Maximum Height Ft / m	50/15

## 1Q18FF2BEA / QS18WB2BEA

## 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)	13,286	1,978	1.97	12,490	2,019	1.81	12,114	2,060	1.72	11,750	2,102	1.64	11,397	2,145	1.56	11,054	2,189	1.48	10,392	2,233	1.36
-5°F (-21°C)	15,014	2,175	2.02	14,115	2,220	1.86	13,690	2,265	1.77	13,279	2,311	1.68	12,879	2,358	1.60	12,492	2,407	1.52	11,744	2,456	1.40
0°F (-18°C)	15,914	2,306	2.02	14,961	2,353	1.86	14,512	2,401	1.77	14,075	2,450	1.68	13,652	2,500	1.60	13,242	2,551	1.52	12,449	2,603	1.40
5°F (-15°C)	17,186	2,329	2.16	16,157	2,377	1.99	15,671	2,426	1.89	15,200	2,475	1.80	14,743	2,526	1.71	14,300	2,577	1.63	13,443	2,630	1.50
14°F (-10°C)	18,217	2,339	2.28	17,126	2,387	2.10	16,611	2,435	2.00	16,112	2,485	1.90	15,627	2,536	1.81	15,158	2,587	1.72	14,250	2,640	1.58
23°F (-5°C)	19,310	2,348	2.41	18,154	2,396	2.22	17,608	2,445	2.11	17,079	2,495	2.01	16,565	2,546	1.91	16,067	2,598	1.81	15,105	2,651	1.67
32°F (0°C)	20,469	2,247	2.67	19,243	2,293	2.46	18,664	2,340	2.34	18,103	2,387	2.22	17,559	2,436	2.11	17,031	2,486	2.01	16,011	2,537	1.85
41°F (5°C)	21,697	2,043	3.11	20,398	2,084	2.87	19,784	2,127	2.73	19,189	2,170	2.59	18,612	2,215	2.46	18,053	2,260	2.34	16,972	2,306	2.16
47°F (8°C)	21,483	1,456	4.32	20,196	1,486	3.98	19,589	1,516	3.79	19,000	1,547	3.60	18,429	1,579	3.42	17,875	1,611	3.25	16,804	1,644	3.00
55°F (13°C)	22,127	1,463	4.43	20,802	1,493	4.08	20,176	1,524	3.88	19,569	1,555	3.69	18,981	1,587	3.51	18,410	1,619	3.33	17,308	1,652	3.07
65°F (18°C)	22,790	1,471	4.54	21,425	1,501	4.18	20,781	1,531	3.98	20,156	1,563	3.78	19,550	1,594	3.59	18,962	1,627	3.42	17,827	1,660	3.15
75°F (24°C)	23,473	1,478	4.65	22,067	1,508	4.29	21,404	1,539	4.08	20,760	1,570	3.87	20,136	1,602	3.68	19,530	1,635	3.50	18,361	1,669	3.23

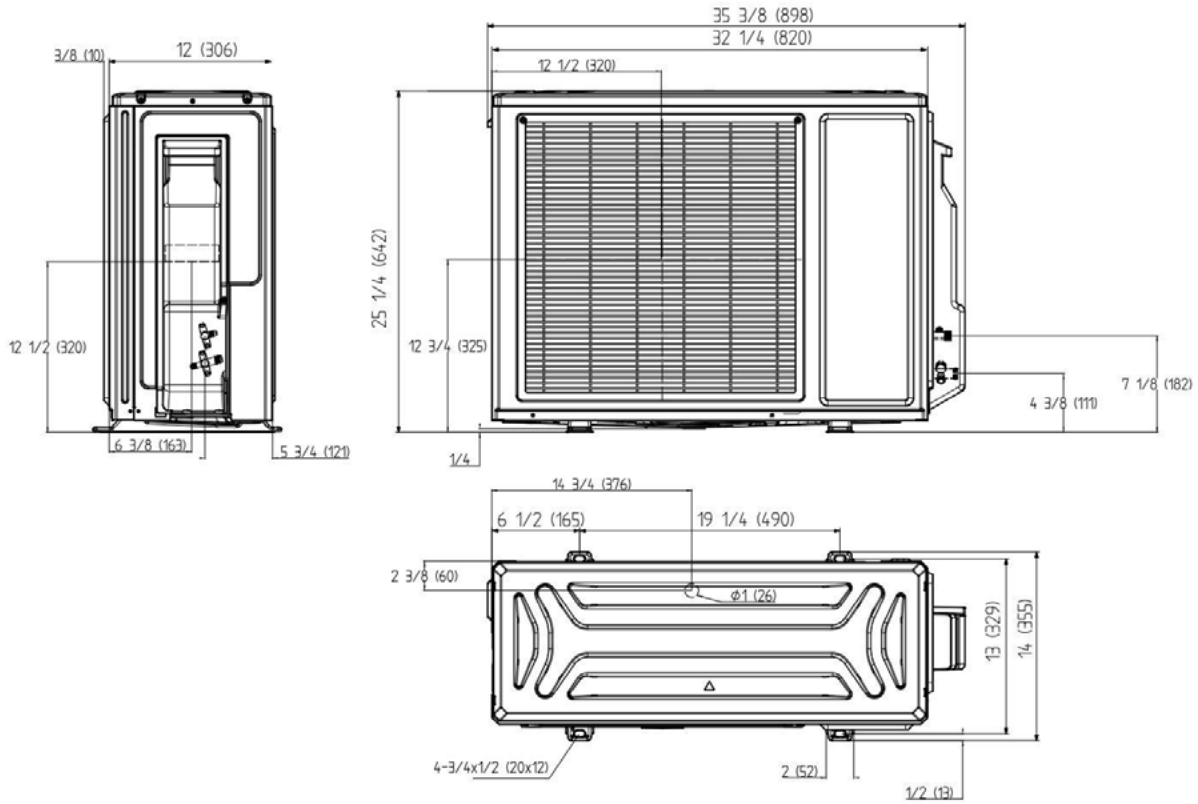
## Cooling Capacity Data

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)	14,355	1,013	14.18	14,976	976	15.35	15,625	939	16.64	16,301	904	18.04	17,007	870	19.55	17,744	838	21.16	18,512	808	22.90
-22°F (-30°C)	14,597	1,033	14.13	15,230	996	15.30	15,889	958	16.58	16,577	922	17.97	17,295	888	19.48	18,043	856	21.09	18,825	825	22.82
-15°F (-26°C)	14,844	1,054	14.08	15,487	1,016	15.24	16,157	978	16.53	16,857	941	17.91	17,587	906	19.41	18,348	873	21.02	19,143	842	22.74
-4°F (-20°C)	15,095	1,076	14.03	15,749	1,037	15.19	16,430	998	16.47	17,142	960	17.85	17,884	924	19.35	18,658	891	20.94	19,466	859	22.67
5°F (-15°C)	15,350	1,098	13.98	16,015	1,058	15.14	16,708	1,018	16.41	17,432	980	17.79	18,186	943	19.28	18,974	909	20.87	19,795	876	22.59
14°F (-10°C)	15,610	1,120	13.93	16,285	1,079	15.09	16,991	1,039	16.36	17,726	1,000	17.73	18,494	963	19.21	19,294	928	20.80	20,130	894	22.51
23°F (-5°C)	15,873	1,143	13.89	16,561	1,101	15.03	17,278	1,060	16.30	18,026	1,020	17.67	18,806	982	19.15	19,620	947	20.73	20,470	913	22.43
32°F (0°C)	15,556	1,259	12.36	16,230	1,213	13.38	16,932	1,167	14.51	17,665	1,124	15.72	18,430	1,082	17.04	19,228	1,042	18.44	20,061	1,005	19.96
50°F (10°C)	15,245	1,373	11.10	15,905	1,323	12.02	16,594	1,273	13.04	17,312	1,225	14.13	18,062	1,180	15.31	18,844	1,137	16.58	19,660	1,096	17.94
68°F (20°C)	14,940	1,483	10.08	15,587	1,429	10.91	16,262	1,375	11.83	16,966	1,323	12.82	17,701	1,274	13.90	18,467	1,228	15.04	19,267	1,184	16.28
86°F (30°C)	14,642	1,586	9.23	15,276	1,528	10.00	15,937	1,470	10.84	16,627	1,415	11.75	17,347	1,362	12.73	18,098	1,313	13.78	18,881	1,266	14.92
95°F (35°C)	14,349	1,649	8.70	14,970	1,589	9.42	15,618	1,529	10.21	16,295	1,472	11.07	17,000	1,417	12.00	17,736	1,366	12.99	18,504	1,316	14.06
104°F (40°C)	14,062	1,715	8.20	14,671	1,653	8.88	15,306	1,590	9.62	15,969	1,531	10.43	16,660	1,474	11.30	17,381	1,420	12.24	18,134	1,369	13.24
110°F (43°C)	13,921	1,750	7.95	14,524	1,686	8.61	15,153	1,623	9.34	15,809	1,562	10.12	16,494	1,504	10.97	17,208	1,449	11.87	17,953	1,397	12.85
115°F (46°C)	13,782	1,803	7.64	14,379	1,738	8.28	15,001	1,672	8.97	15,651	1,609	9.72	16,329	1,549	10.54	17,036	1,493	11.41	17,773	1,439	12.35

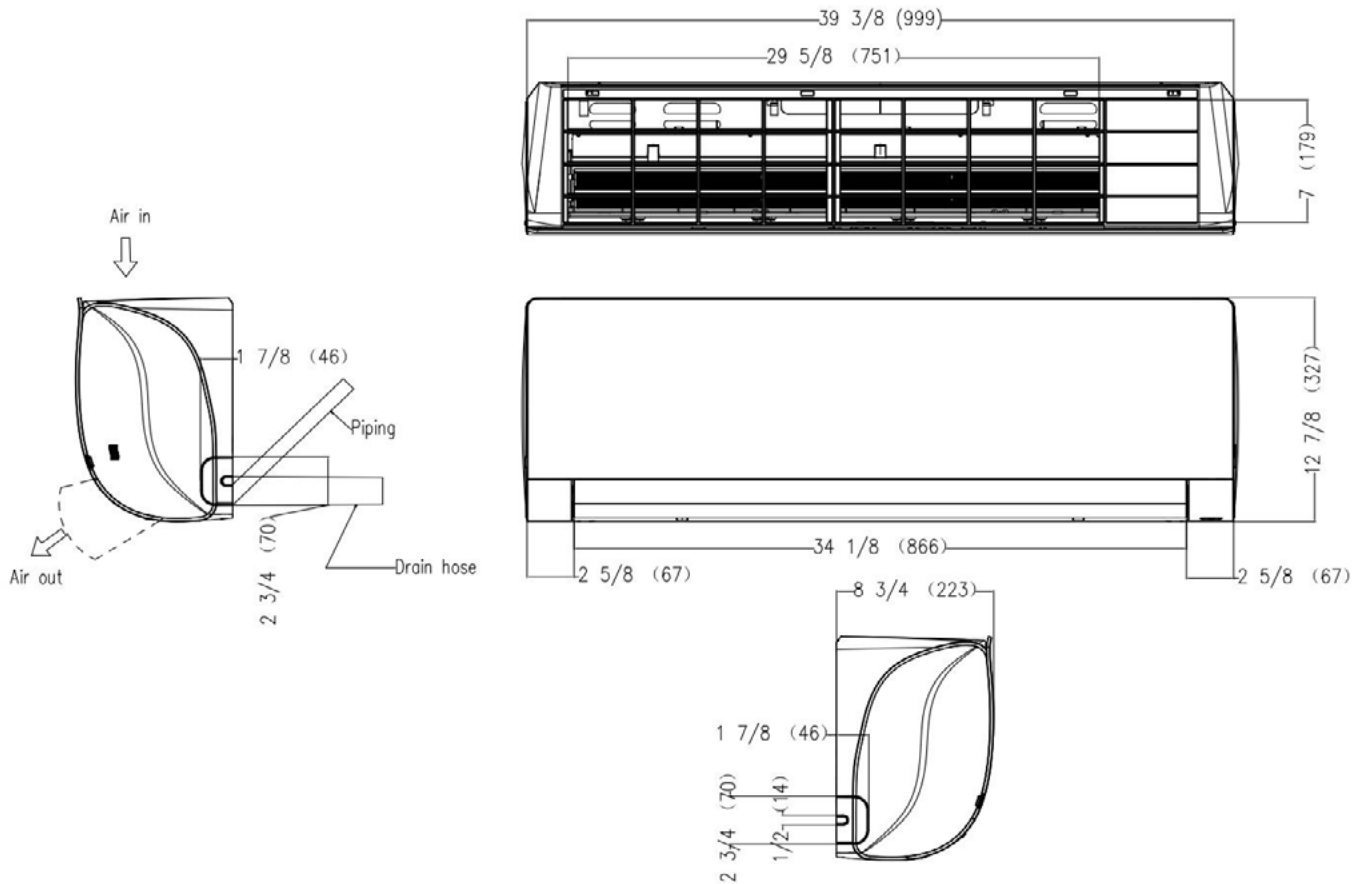
\*Front/side/back wind baffle and top cover accessories are required for low ambient cooling below 23°F (-5°C).

1Q18FF2BEA



Note: Dimensions are shown in inches (millimeters)

### QS18WB2BEA



Note: Dimensions are shown in inches (millimeters)

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

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

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

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

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

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

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

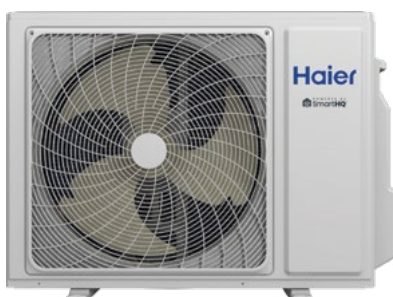
Submitted By: \_\_\_\_\_

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

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



**Outdoor Model:**  
**1Q18FF2BEA**



**Indoor Model:**  
**US18CB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB15WA
Side Wind Baffle	UASWB15WA
Back Wind Baffle	UAWB15WA
Top Cover	UATC20WA
Central Controller	UACT32A

### Indoor Accessories

Cassette Panel (Required)	QACCP01WA
Wired Controller	QACT17B
Refrigerant Detection Sensor (RDS)	UALS01A
Remote Controller	WJ26X35394

### 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	16,000
	Capacity Range Btu/hr	4,500-17,000
	SEER2 / EER2	18.5 / 11.7
	Rated Power Input W	1,368
Heating	Moisture Removal Pt./hr	3.8
	Rated Heating Capacity 47°F Btu/hr	18,000
	Heating Capacity Range Btu/hr	4,000-20,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV)	9.1
	Rated Power Input W	1,599
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	20
Indoor Unit	Minimum Circuit Amp A	15
	Outdoor Noise Level dB	58
	Dimension: H x W x D in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: H x W x D in (mm)	27 1/4 x 37 1/4 x 15 3/8 (691 x 945 x 392)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	90.47/103.26 (41/46.8)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	458/425/387/345/302
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	850/800/760/680/590
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	45/40/35/30/29
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	479/441/387/345/302
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	850/800/760/680/590
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	44/40/35/30/28
	Dimension: H x W x D in (mm)	10 1/4 x 22 3/4 x 22 3/4 (260 x 575 x 575)
	Carton Dimension: H x W x D in (mm)	27 7/8 x 25 3/4 x 14 1/4 (708 x 652 x 360)
	Weight (Net/Ship) - lbs (kg)	32.41/47.4 (14.7/21.5)
Indoor Unit	Drain Pipe Size O.D in	1*
	Max. Drain-Lift Height in (mm)	47 1/4 (1200)
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
Refrigerant Lines	Refrigerant Detection Sensor (RDS) Compatible	Yes (UALS01A, sold separately)
	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	1/4
Refrigerant Lines	Suction O.D. in	1/2
	Factory Charge Oz	45.9
	Maximum Line Length Ft / m	83/25
	Maximum Height Ft / m	50/15

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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.

## 1Q18FF2BEA / US18CB2BEA

## 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)	8,865	1,373	1.89	8,334	1,401	1.74	8,084	1,429	1.66	7,841	1,458	1.58	7,605	1,488	1.50	7,376	1,518	1.42	6,934	1,549	1.31
-5°F (-21°C)	10,674	1,504	2.08	10,035	1,534	1.92	9,733	1,566	1.82	9,441	1,597	1.73	9,157	1,630	1.65	8,882	1,663	1.56	8,350	1,697	1.44
0°F (-18°C)	12,483	1,623	2.25	11,736	1,656	2.08	11,383	1,690	1.97	11,040	1,725	1.88	10,709	1,760	1.78	10,387	1,796	1.70	9,765	1,833	1.56
5°F (-15°C)	16,282	2,207	2.16	15,307	2,252	1.99	14,846	2,298	1.89	14,400	2,345	1.80	13,967	2,393	1.71	13,547	2,442	1.63	12,736	2,492	1.50
14°F (-10°C)	14,834	1,611	2.70	13,946	1,644	2.49	13,526	1,677	2.36	13,120	1,711	2.25	12,725	1,746	2.14	12,342	1,782	2.03	11,603	1,818	1.87
23°F (-5°C)	16,462	1,360	3.55	15,476	1,388	3.27	15,011	1,416	3.11	14,559	1,445	2.95	14,122	1,474	2.81	13,697	1,505	2.67	12,877	1,535	2.46
32°F (0°C)	17,004	1,313	3.80	15,986	1,339	3.50	15,505	1,367	3.32	15,039	1,395	3.16	14,587	1,423	3.00	14,148	1,452	2.86	13,301	1,482	2.63
41°F (5°C)	18,633	1,301	4.20	17,517	1,328	3.87	16,990	1,355	3.67	16,480	1,383	3.49	15,984	1,411	3.32	15,503	1,440	3.16	14,575	1,469	2.91
47°F (8°C)	20,352	1,505	3.96	19,133	1,536	3.65	18,558	1,567	3.47	18,000	1,599	3.30	17,459	1,632	3.14	16,934	1,665	2.98	15,920	1,699	2.75
55°F (13°C)	19,844	1,280	4.54	18,656	1,306	4.19	18,095	1,333	3.98	17,551	1,360	3.78	17,023	1,388	3.60	16,511	1,416	3.42	15,522	1,445	3.15
65°F (18°C)	20,760	1,085	5.61	19,516	1,107	5.17	18,930	1,130	4.91	18,360	1,153	4.67	17,808	1,176	4.44	17,273	1,200	4.22	16,238	1,225	3.89
75°F (24°C)	21,777	1,174	5.43	20,472	1,198	5.01	19,857	1,223	4.76	19,260	1,248	4.52	18,681	1,273	4.30	18,119	1,299	4.09	17,034	1,326	3.77

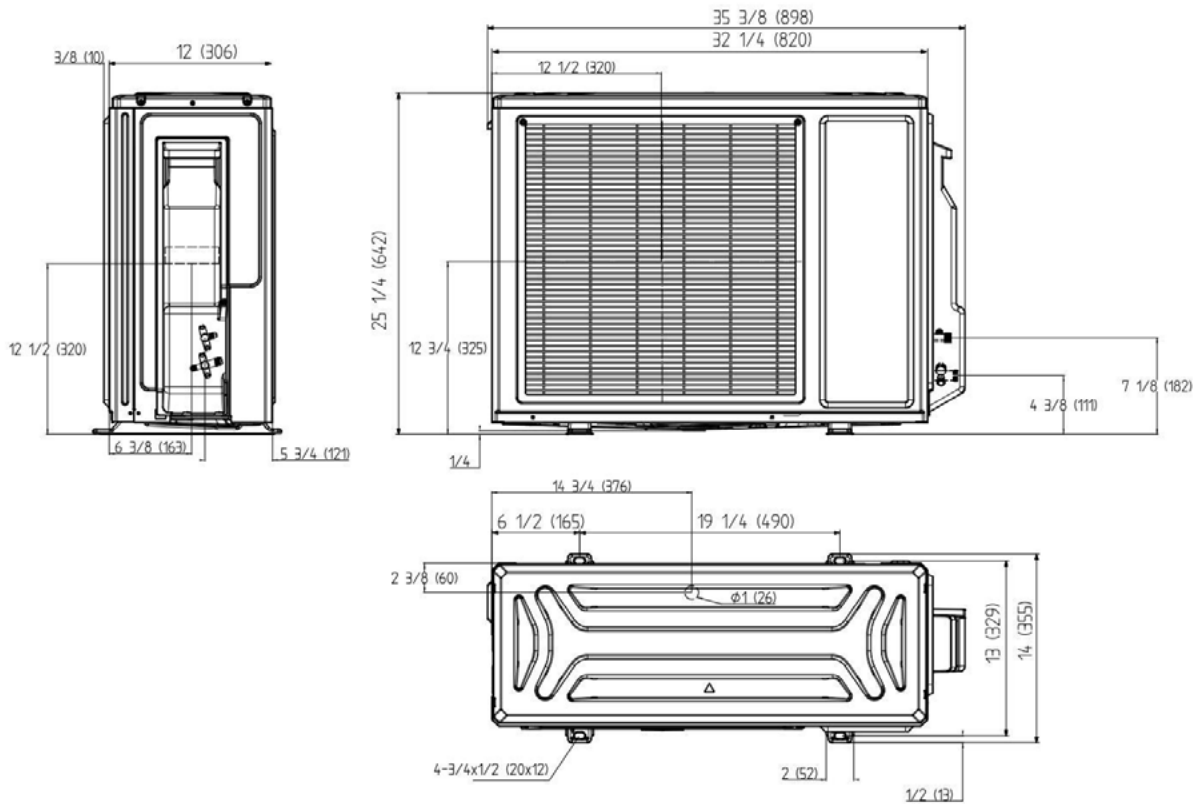
## Cooling Capacity Data

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)	9,893	526	18.79	10,321	507	20.34	10,768	488	22.06	11,234	470	23.91	11,720	452	25.91	12,228	436	28.05	12,757	420	30.35
-22°F (-30°C)	10,060	537	18.72	10,495	518	20.27	10,950	498	21.98	11,424	479	23.82	11,918	462	25.82	12,435	445	27.95	12,973	429	30.25
-15°F (-26°C)	10,230	548	18.66	10,673	528	20.20	11,135	508	21.91	11,617	489	23.74	12,120	471	25.73	12,645	454	27.86	13,192	438	30.15
-4°F (-20°C)	10,403	559	18.60	10,853	539	20.14	11,323	519	21.83	11,813	499	23.66	12,325	481	25.64	12,858	463	27.76	13,415	447	30.04
5°F (-15°C)	10,579	571	18.53	11,037	550	20.07	11,514	529	21.76	12,013	509	23.58	12,533	490	25.55	13,076	473	27.66	13,642	456	29.94
14°F (-10°C)	10,757	582	18.47	11,223	561	20.00	11,709	540	21.68	12,216	520	23.50	12,745	500	25.47	13,297	482	27.57	13,872	465	29.84
23°F (-5°C)	10,939	594	18.41	11,413	573	19.93	11,907	551	21.61	12,422	530	23.42	12,960	511	25.38	13,521	492	27.47	14,107	474	29.73
32°F (0°C)	12,020	700	17.16	12,540	675	18.58	13,083	649	20.14	13,649	625	21.83	14,240	602	23.66	14,857	580	25.61	15,500	559	27.72
50°F (10°C)	14,045	785	17.88	14,653	757	19.36	15,287	728	20.99	15,949	701	22.75	16,640	675	24.66	17,360	650	26.70	18,112	627	28.89
68°F (20°C)	14,991	1,104	13.58	15,640	1,064	14.70	16,317	1,023	15.94	17,024	985	17.28	17,761	948	18.73	18,530	914	20.27	19,332	881	21.94
86°F (30°C)	13,977	1,422	9.83	14,583	1,370	10.64	15,214	1,319	11.54	15,873	1,269	12.50	16,560	1,222	13.55	17,277	1,178	14.67	18,025	1,135	15.88
95°F (35°C)	13,505	1,592	8.48	14,090	1,534	9.18	14,700	1,476	9.96	15,336	1,421	10.79	16,000	1,368	11.70	16,693	1,318	12.66	17,415	1,271	13.70
104°F (40°C)	11,614	1,528	7.60	12,117	1,473	8.23	12,642	1,417	8.92	13,189	1,364	9.67	13,760	1,313	10.48	14,356	1,266	11.34	14,977	1,220	12.28
110°F (43°C)	11,344	1,656	6.85	11,835	1,595	7.42	12,348	1,535	8.04	12,882	1,478	8.72	13,440	1,423	9.45	14,022	1,371	10.23	14,629	1,322	11.07
115°F (46°C)	10,939	1,719	6.36	11,413	1,657	6.89	11,907	1,594	7.47	12,423	1,535	8.10	12,960	1,477	8.77	13,522	1,424	9.50	14,107	1,373	10.28

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

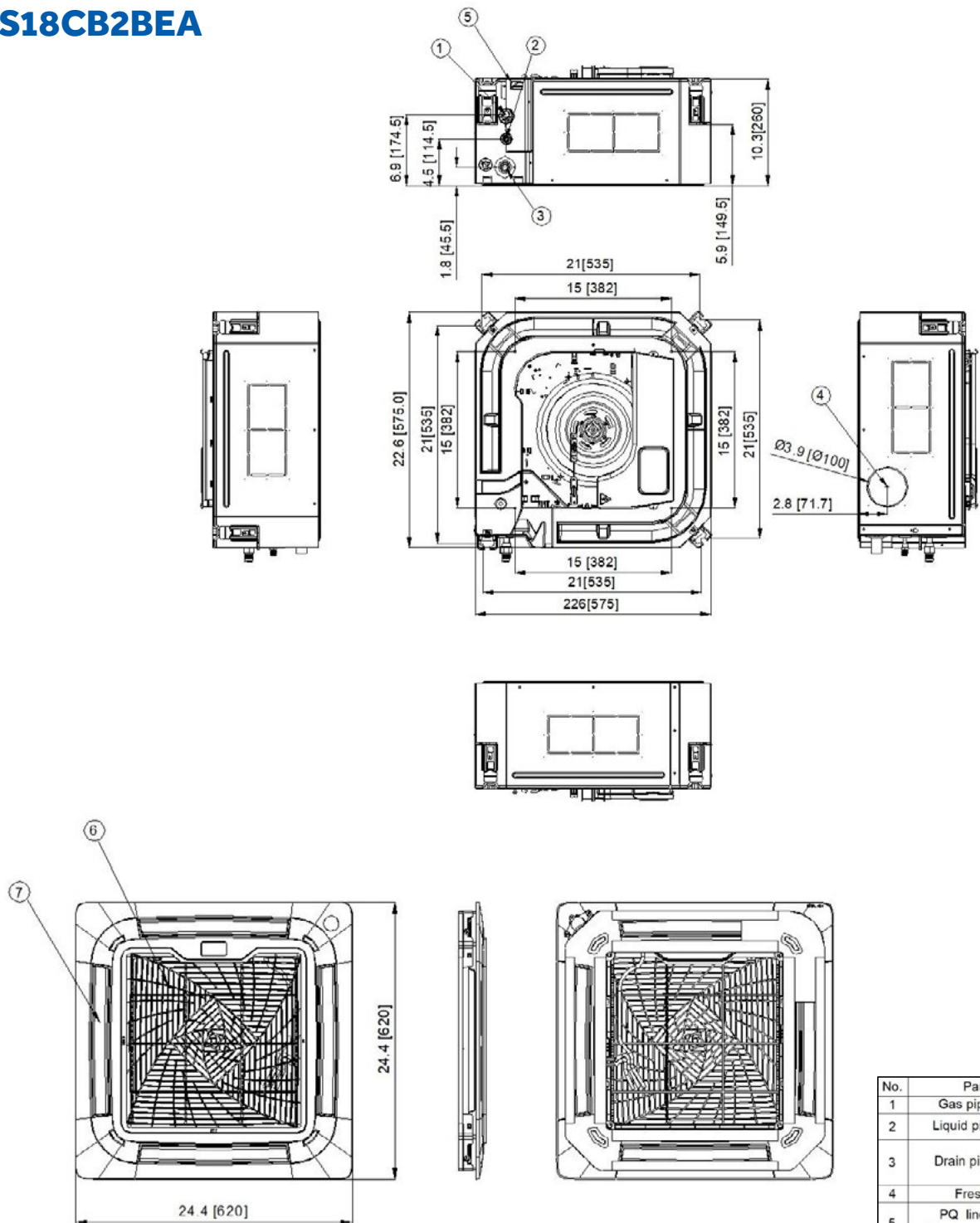
1Q18FF2BEA



Note: Dimensions are shown in inches (millimeters)



US18CB2BEA



No.	Parts Name	Notes
1	Gas pipe connection	
2	Liquid pipe connection	
3	Drain pipe connection	OD. Diameter: Ø0.984(25), ID. Diameter: Ø0.827(21)
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: \_\_\_\_\_

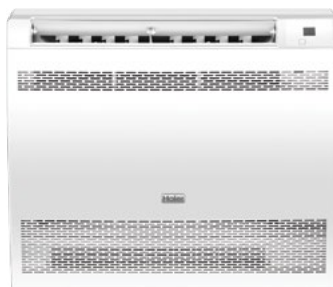
Drawing #: \_\_\_\_\_



**Outdoor Model:**  
**1Q18FF2BEA**



**Indoor Model:**  
**US18FB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB15WA
Side Wind Baffle	UASWB15WA
Back Wind Baffle	UAWB15WA
Top Cover	UATC20WA
Central Controller	UACT32A

### Indoor Accessories

Wired Controller	QACT17B
Remote Controller	WJ26X35813

### 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	16,000
	Capacity Range Btu/hr	4,300-18,000
	SEER2 / EER2	17 / 8.6
	Rated Power Input W	2,000
Heating	Moisture Removal Pt./hr	3.8
	Rated Heating Capacity 47°F Btu/hr	17,000
	Heating Capacity Range Btu/hr	3,600-15,000
	COP 5°F	1.75
Outdoor Unit	HSPF2 (IV)	7.8
	Rated Power Input W	1,842
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	20
Indoor Unit	Minimum Circuit Amp A	15
	Outdoor Noise Level dB	58
	Dimension: H x W x D in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: H x W x D in (mm)	27 1/4 x 37 1/4 x 15 3/8 (691 x 945 x 392)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	90.47/103.26 (41/46.8)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	345/300/280/218/210
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	850/710/690/560/510
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	49/44/43/38/35
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	328/296/263/206/200
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	850/710/690/560/510
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	49/43/42/37/35
	Dimension: H x W x D in (mm)	23 5/8 x 27 1/2 x 8 3/4 (600 x 700 x 220)
	Carton Dimension: H x W x D in (mm)	26 3/8 x 30 1/4 x 11 3/8 (670 x 770 x 290)
	Weight (Net/Ship) - lbs (kg)	32.6/43.2 (14.8/19.6)
Refrigerant Lines	Drain Pipe Size O.D in	5/8
	WiFi*	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	Yes
	Refrigerant	R454B
Refrigerant Lines	Connections	Flare
	Liquid O.D. in	1/4
	Suction O.D. in	1/2
	Factory Charge Oz	45.9
Refrigerant Lines	Maximum Line Length Ft / m	83/25
	Maximum Height Ft / m	50/15

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

## 1Q18FF2BEA / US18FB2BEA

## 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)	7,086	1,155	1.80	6,661	1,178	1.66	6,461	1,202	1.58	6,267	1,227	1.50	6,078	1,252	1.42	5,896	1,277	1.35	5,543	1,303	1.25
-5°F (-21°C)	9,347	1,462	1.87	8,787	1,492	1.73	8,523	1,522	1.64	8,266	1,553	1.56	8,018	1,585	1.48	7,777	1,617	1.41	7,311	1,650	1.30
0°F (-18°C)	11,005	1,626	1.98	10,346	1,660	1.83	10,035	1,693	1.74	9,733	1,728	1.65	9,441	1,763	1.57	9,157	1,799	1.49	8,608	1,836	1.37
5°F (-15°C)	13,568	1,886	2.11	12,756	1,925	1.94	12,372	1,964	1.85	12,000	2,004	1.75	11,639	2,045	1.67	11,289	2,087	1.59	10,613	2,129	1.46
14°F (-10°C)	12,362	1,390	2.61	11,621	1,419	2.40	11,272	1,448	2.28	10,933	1,477	2.17	10,604	1,507	2.06	10,285	1,538	1.96	9,669	1,570	1.81
23°F (-5°C)	13,718	1,344	2.99	12,897	1,371	2.76	12,509	1,399	2.62	12,133	1,428	2.49	11,768	1,457	2.37	11,414	1,487	2.25	10,731	1,517	2.07
32°F (0°C)	14,170	1,296	3.20	13,322	1,323	2.95	12,921	1,350	2.81	12,533	1,377	2.67	12,156	1,405	2.54	11,790	1,434	2.41	11,084	1,463	2.22
41°F (5°C)	15,527	1,284	3.54	14,598	1,311	3.26	14,159	1,337	3.10	13,733	1,365	2.95	13,320	1,392	2.80	12,920	1,421	2.67	12,146	1,450	2.46
47°F (8°C)	19,221	1,734	3.25	18,070	1,769	2.99	17,527	1,805	2.85	17,000	1,842	2.70	16,489	1,880	2.57	15,993	1,918	2.44	15,035	1,957	2.25
55°F (13°C)	18,452	1,474	3.67	17,347	1,504	3.38	16,825	1,535	3.21	16,319	1,566	3.05	15,829	1,598	2.90	15,353	1,631	2.76	14,433	1,664	2.54
65°F (18°C)	19,029	1,248	4.47	17,889	1,274	4.12	17,351	1,300	3.91	16,829	1,326	3.72	16,323	1,353	3.54	15,833	1,381	3.36	14,884	1,409	3.10
75°F (24°C)	19,797	1,353	4.29	18,611	1,381	3.95	18,052	1,409	3.75	17,509	1,438	3.57	16,982	1,467	3.39	16,472	1,497	3.22	15,485	1,528	2.97

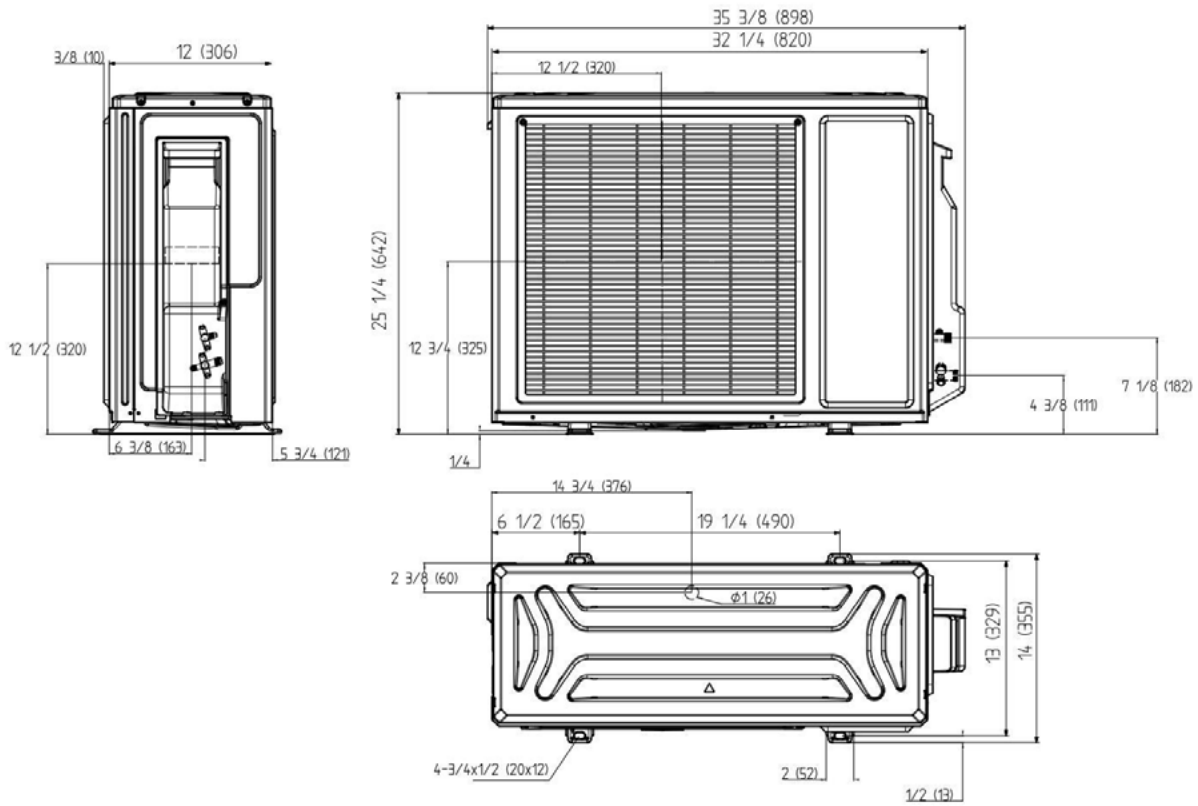
## Cooling Capacity Data

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)	8,793	577	15.23	9,174	556	16.49	9,571	535	17.88	9,986	515	19.38	10,418	496	21.00	10,869	478	22.73	11,340	461	24.60
-22°F (-30°C)	8,942	589	15.18	9,329	568	16.43	9,733	546	17.82	10,154	526	19.31	10,594	506	20.93	11,053	488	22.65	11,531	470	24.52
-15°F (-26°C)	9,093	601	15.12	9,487	579	16.38	9,897	557	17.75	10,326	537	19.24	10,773	517	20.85	11,239	498	22.58	11,726	480	24.43
-4°F (-20°C)	9,247	613	15.07	9,647	591	16.32	10,065	569	17.69	10,500	548	19.18	10,955	527	20.78	11,429	508	22.50	11,924	490	24.35
5°F (-15°C)	9,403	626	15.02	9,810	603	16.26	10,235	580	17.63	10,678	559	19.11	11,140	538	20.71	11,623	518	22.42	12,126	500	24.26
14°F (-10°C)	9,562	639	14.97	9,976	616	16.21	10,408	592	17.57	10,858	570	19.05	11,329	549	20.64	11,819	529	22.34	12,331	510	24.18
23°F (-5°C)	9,723	652	14.92	10,144	628	16.15	10,584	604	17.51	11,042	582	18.98	11,520	560	20.57	12,019	540	22.27	12,539	520	24.10
32°F (0°C)	10,669	776	13.75	11,131	748	14.89	11,613	720	16.14	12,115	693	17.49	12,640	667	18.96	13,187	643	20.52	13,758	619	22.21
50°F (10°C)	12,290	869	14.14	12,822	837	15.31	13,377	806	16.60	13,956	776	17.99	14,560	747	19.50	15,191	720	21.11	15,849	694	22.84
68°F (20°C)	13,640	1,335	10.22	14,231	1,286	11.07	14,847	1,237	12.00	15,490	1,191	13.00	16,160	1,147	14.09	16,860	1,105	15.26	17,590	1,065	16.51
86°F (30°C)	12,965	1,769	7.33	13,526	1,705	7.93	14,112	1,640	8.60	14,723	1,579	9.32	15,360	1,520	10.11	16,025	1,465	10.94	16,719	1,412	11.84
95°F (35°C)	13,505	2,328	5.80	14,090	2,243	6.28	14,700	2,158	6.81	15,336	2,077	7.38	16,000	2,000	8.00	16,693	1,927	8.66	17,415	1,858	9.37
104°F (40°C)	11,479	2,173	5.28	11,976	2,093	5.72	12,494	2,014	6.20	13,035	1,939	6.72	13,600	1,867	7.29	14,188	1,799	7.89	14,803	1,734	8.54
110°F (43°C)	10,938	2,328	4.70	11,412	2,243	5.09	11,906	2,158	5.52	12,422	2,078	5.98	12,959	2,000	6.48	13,521	1,928	7.01	14,106	1,858	7.59
115°F (46°C)	10,533	2,483	4.24	10,989	2,393	4.59	11,465	2,302	4.98	11,961	2,216	5.40	12,479	2,133	5.85	13,019	2,056	6.33	13,583	1,982	6.85

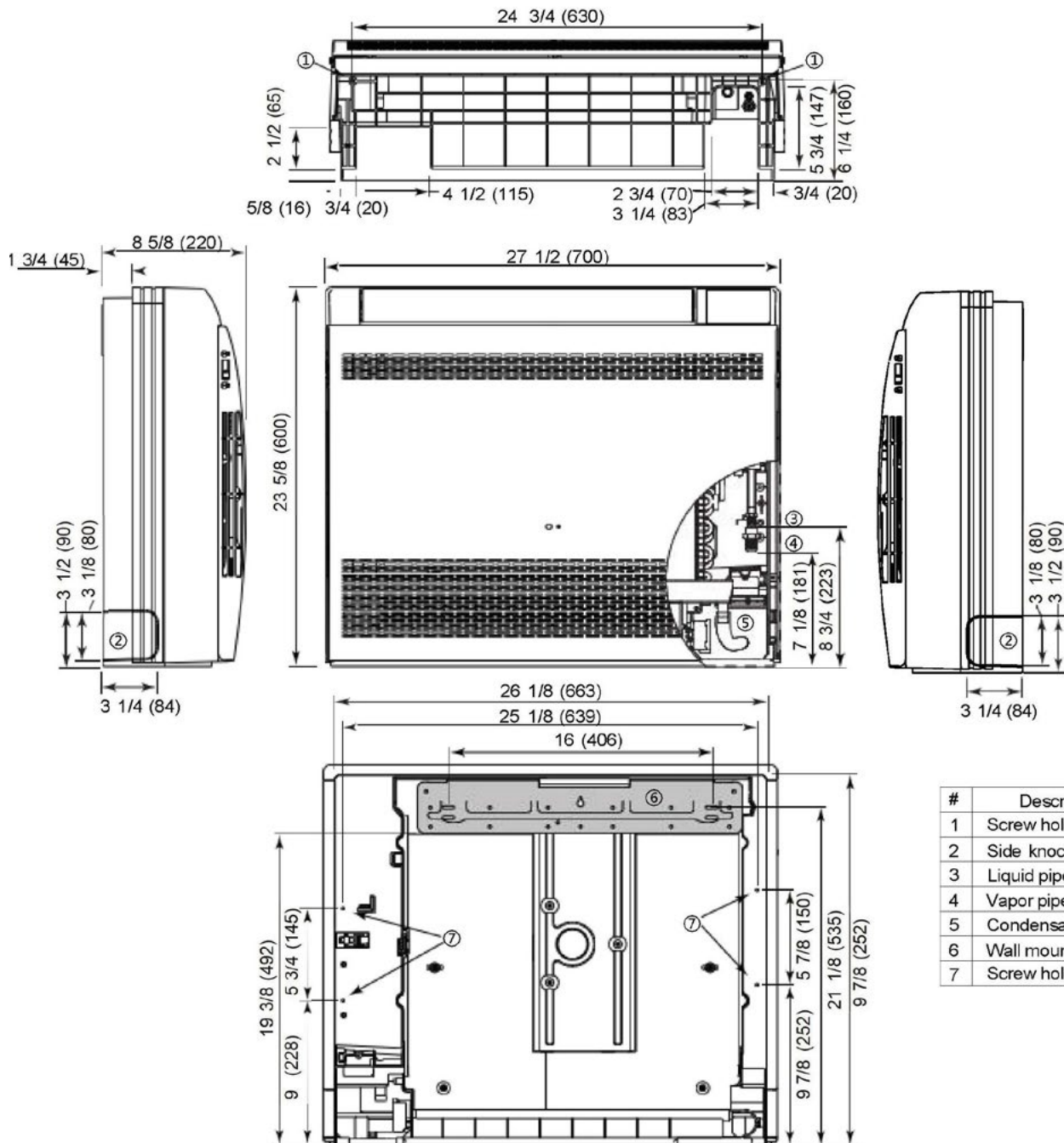
\*Front/side/back wind baffle and top cover accessories are required for low ambient cooling below 23°F (-5°C).

1Q18FF2BEA



Note: Dimensions are shown in inches (millimeters)

### US18FB2BEA



Note: Dimensions are shown in inches (millimeters)

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

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

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

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

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

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

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

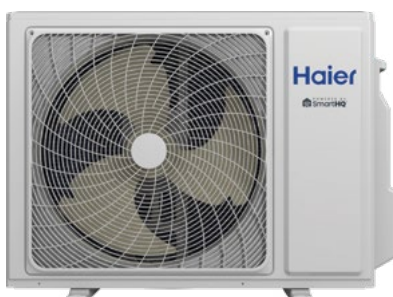
Submitted By: \_\_\_\_\_

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

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



**Outdoor Model:**  
**1Q18FF2BEA**



**Indoor Model:**  
**US18MB2BEA**



### Outdoor Accessories

Front Wind Baffle	UAWB15WA
Side Wind Baffle	UASWB15WA
Back Wind Baffle	UAWB15WA
Top Cover	UATC20WA
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	17,000
	Capacity Range Btu/hr	4,500-19,000
	SEER2 / EER2	17.3 / 10.8
	Rated Power Input W	1,619
Heating	Moisture Removal Pt./hr	3.6
	Rated Heating Capacity 47°F Btu/hr	19,000
	Heating Capacity Range Btu/hr	4,000-20,000
	COP 5°F	1.8
	HSPF2 (IV)	9
Outdoor Unit	Rated Power Input W	1,687
	Compressor Type	DC Inverter Rotary
	Maximum Fuse Size A	20
	Minimum Circuit Amp A	15
	Outdoor Noise Level dB	58
Indoor Unit	Dimension: H x W x D in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: H x W x D in (mm)	27 1/4 x 37 1/4 x 15 3/8 (691 x 945 x 392)
	Weight (Net/Ship) - lbs (kg)	90.47/103.26 (41/46.8)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	620/517/332/214/203
	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	880/820/760/700/640
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	49/46/42/39/38
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	627/523/337/217/205
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	880/820/760/700/640
	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	48/45/41/39/37
	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)
Refrigerant Lines	Max. External Static Pressure in.WG (Pa)	0.6 (150)
	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	1/4
	Suction O.D. in	1/2
	Factory Charge Oz	45.86
Refrigerant Lines	Maximum Line Length Ft / m	83/25
	Maximum Height Ft / m	50/15

## 1Q18FF2BEA / US18MB2BEA

## 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)	9,882	1,627	1.78	9,290	1,660	1.64	9,011	1,694	1.56	8,740	1,728	1.48	8,477	1,764	1.41	8,222	1,800	1.34	7,730	1,836	1.23
-5°F (-21°C)	12,460	1,998	1.83	11,714	2,039	1.68	11,362	2,080	1.60	11,020	2,123	1.52	10,689	2,166	1.45	10,367	2,210	1.37	9,746	2,255	1.27
0°F (-18°C)	13,964	2,072	1.98	13,128	2,114	1.82	12,733	2,157	1.73	12,350	2,201	1.64	11,979	2,246	1.56	11,618	2,292	1.49	10,923	2,339	1.37
5°F (-15°C)	17,186	2,329	2.16	16,157	2,377	1.99	15,671	2,426	1.89	15,200	2,475	1.80	14,743	2,526	1.71	14,300	2,577	1.63	13,443	2,630	1.50
14°F (-10°C)	17,186	2,182	2.31	16,157	2,226	2.13	15,671	2,272	2.02	15,200	2,318	1.92	14,743	2,365	1.83	14,300	2,414	1.74	13,443	2,463	1.60
23°F (-5°C)	19,334	2,108	2.69	18,176	2,151	2.48	17,630	2,195	2.35	17,100	2,240	2.24	16,586	2,285	2.13	16,087	2,332	2.02	15,124	2,380	1.86
32°F (0°C)	19,980	2,034	2.88	18,783	2,076	2.65	18,218	2,118	2.52	17,671	2,161	2.40	17,139	2,205	2.28	16,624	2,250	2.17	15,628	2,296	1.99
41°F (5°C)	22,790	1,795	3.72	21,425	1,832	3.43	20,781	1,869	3.26	20,156	1,908	3.10	19,550	1,946	2.94	18,962	1,986	2.80	17,826	2,027	2.58
47°F (8°C)	21,483	1,588	3.97	20,196	1,620	3.65	19,589	1,653	3.47	19,000	1,687	3.30	18,429	1,721	3.14	17,875	1,757	2.98	16,804	1,792	2.75
55°F (13°C)	21,053	1,520	4.06	19,792	1,551	3.74	19,197	1,583	3.55	18,620	1,615	3.38	18,060	1,648	3.21	17,517	1,682	3.05	16,468	1,716	2.81
65°F (18°C)	21,698	1,411	4.51	20,398	1,440	4.15	19,785	1,469	3.95	19,190	1,499	3.75	18,613	1,530	3.57	18,053	1,561	3.39	16,972	1,593	3.12
75°F (24°C)	23,201	1,530	4.45	21,812	1,561	4.10	21,156	1,593	3.89	20,520	1,625	3.70	19,903	1,658	3.52	19,304	1,692	3.34	18,148	1,727	3.08

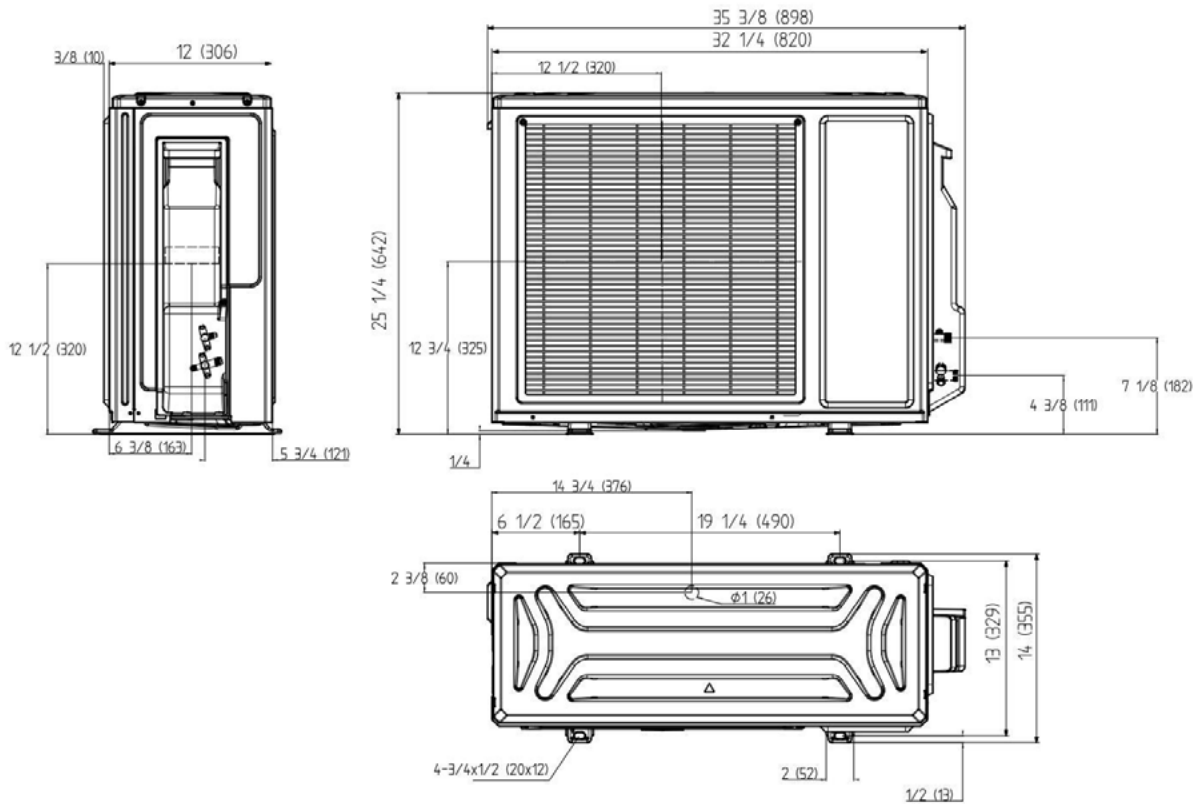
## Cooling Capacity Data

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)	10,640	668	15.94	11,101	643	17.26	11,581	619	18.71	12,083	596	20.28	12,606	574	21.98	13,152	553	23.79	13,721	533	25.75
-22°F (-30°C)	10,820	681	15.88	11,288	656	17.20	11,777	632	18.65	12,287	608	20.21	12,819	585	21.90	13,374	564	23.71	13,953	544	25.66
-15°F (-26°C)	11,003	695	15.83	11,479	670	17.14	11,976	645	18.58	12,495	620	20.14	13,036	597	21.83	13,600	576	23.63	14,189	555	25.57
-4°F (-20°C)	11,189	709	15.77	11,673	683	17.08	12,179	658	18.52	12,706	633	20.07	13,256	609	21.75	13,830	587	23.55	14,429	566	25.48
5°F (-15°C)	11,378	724	15.72	11,870	697	17.02	12,384	671	18.45	12,921	646	20.00	13,480	622	21.68	14,064	599	23.47	14,673	578	25.39
14°F (-10°C)	11,570	739	15.67	12,071	712	16.96	12,594	685	18.39	13,139	659	19.93	13,708	635	21.60	14,301	612	23.39	14,921	590	25.31
23°F (-5°C)	11,766	754	15.61	12,275	726	16.90	12,807	699	18.33	13,361	673	19.86	13,940	648	21.53	14,543	624	23.30	15,173	602	25.22
32°F (0°C)	13,201	829	15.92	13,772	799	17.24	14,368	769	18.69	14,990	740	20.26	15,640	712	21.96	16,317	686	23.77	17,023	662	25.72
50°F (10°C)	14,061	929	15.13	14,670	896	16.38	15,305	862	17.76	15,968	830	19.25	16,659	799	20.86	17,380	770	22.58	18,133	742	24.44
68°F (20°C)	15,209	1,306	11.64	15,868	1,259	12.61	16,555	1,211	13.67	17,272	1,166	14.81	18,020	1,122	16.05	18,800	1,082	17.38	19,614	1,043	18.81
86°F (30°C)	14,779	1,683	8.78	15,419	1,622	9.51	16,087	1,561	10.31	16,783	1,502	11.17	17,510	1,446	12.11	18,268	1,394	13.11	19,059	1,344	14.18
95°F (35°C)	14,349	1,884	7.62	14,970	1,816	8.25	15,618	1,747	8.94	16,295	1,682	9.69	17,000	1,619	10.50	17,736	1,560	11.37	18,504	1,504	12.30
104°F (40°C)	12,340	1,834	6.73	12,874	1,767	7.29	13,432	1,701	7.90	14,013	1,637	8.56	14,620	1,576	9.28	15,253	1,519	10.04	15,913	1,464	10.87
110°F (43°C)	11,766	1,960	6.00	12,275	1,888	6.50	12,807	1,817	7.05	13,361	1,749	7.64	13,940	1,684	8.28	14,543	1,623	8.96	15,173	1,564	9.70
115°F (46°C)	11,192	2,085	5.37	11,676	2,009	5.81	12,182	1,933	6.30	12,709	1,861	6.83	13,259	1,792	7.40	13,834	1,727	8.01	14,432	1,665	8.67

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

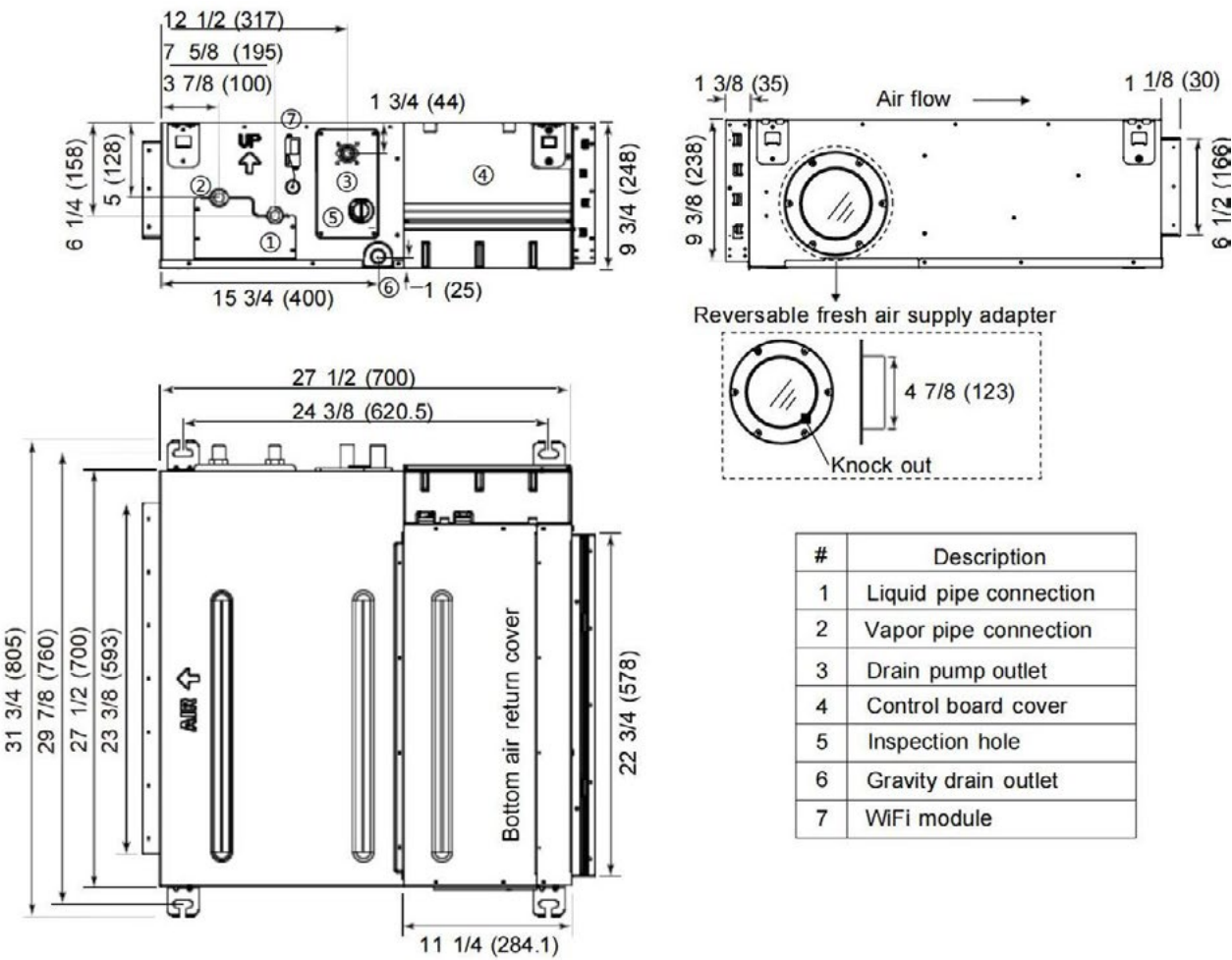
### 1Q18FF2BEA



Note: Dimensions are shown in inches (millimeters)



US18MB2BEA



Note: Dimensions are shown in inches (millimeters)

SUBMITTAL REVISION HISTORY

05-14-25: Submittal release.