

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

Submitted By: _____

Unit: _____

Drawing #: _____

**2Q18FF2BEA****Outdoor Accessories**

Front Wind Baffle	UAWB30WA
Side Wind Baffle	UASWB30WA
Back Wind Baffle	UAWB30WA
Top Cover	UATC21WA
Central Controller	UACT32A

Specifications

Operating Range	Cooling without Wind Baffle °F (°C)	14~115°F (-10~46°C)
	Heating °F	-4~75°F (-20~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling Non-Ducted	Rated Capacity Btu/hr	18,000
	Capacity Range Btu/hr	4,000-19,000
	SEER2 / EER2	22.5/12.0
	Rated Power Input W	1,500
Heating Non-Ducted	Rated Heating capacity 47°F Btu/hr	21,000
	Heating Capacity Range Btu/hr	4,000-22,000
	COP @ 5°F	1.8
	HSPF2 (IV) / HSPF2(V)	10.5/8.0
Cooling Ducted	Rated Capacity Btu/hr	17,000
	Capacity Range Btu/hr	4,000-18,000
	SEER2 / EER2	18.8/10.8
	Rated Power Input W	1,574
Heating Ducted	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) / HSPF2(V)	9.5/7.4
Outdoor Unit	Rated Power Input W	1,505
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	25
	Minimum Circuit Amp A	16
Refrigerant Line	Outdoor Noise Level dB	52
	Dimension: HxWxD in (mm)	27 9/16 x 36 x 14 1/2 (700 x 915 x 368)
	Carton Dimension: HxWxD in (mm)	31 1/8 x 39 5/16 x 17 7/16 (790 x 998 x 443)
	Weight Ship / Net – lbs (kg)	112/130 (51/59)
Refrigerant Line	Basepan Heater	No
	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	1/4 • 1/4
	Suction O.D. in	3/8 • 3/8
	Factory Charge Oz	53
	Maximum Line Length Ft / m	98/30
	Maximum Height Ft / m	50/15
	Minimum Line Length for Each Individual Indoor Unit Ft / m	10/3
	Maximum Line Length for Each Individual Indoor Unit Ft / m	65/20
	Maximum Line Length without Additional Charge Ft / m	66/20



MULTI-ZONE DUCTLESS HEAT PUMP SYSTEM

OUTDOOR

2

ZONE

2Q18FF2BEA Lineset Adapter Application Guide

Combinations		
Two Zone	Port B	Port A
	Port Size: 1/4" x 3/8"	Port Size: 1/4" x 3/8"
	7K	7K
	9K	7K
	9K	9K
	12K	7K
	12K	9K
	12K	12K
	15K	7K
	15K	9K

No adapters required/shipped



2Q18FF2BEA**Heating Capacity Data (Non-Ducted)**

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
-4°F (-20°C)	15,588	2,344	1.95	15,434	2,392	1.89	15,281	2,465	1.82	14,982	2,595	1.69	14,682	2,647	1.63	14,535	2,674	5.44	14,390	2,700	1.56
0°F (-18°C)	16,409	2,392	2.01	16,246	2,440	1.95	16,085	2,516	1.87	15,770	2,648	1.74	15,455	2,701	1.68	15,300	2,728	5.61	15,147	2,755	1.61
5°F (-15°C)	17,272	2,440	2.07	17,101	2,490	2.01	16,932	2,567	1.93	16,600	2,702	1.80	16,268	2,756	1.73	16,105	2,784	5.79	15,944	2,812	1.66
14°F (-10°C)	18,354	2,258	2.38	18,172	2,304	2.31	17,992	2,375	2.22	17,640	2,500	2.07	17,287	2,550	1.99	17,114	2,575	6.65	16,943	2,601	1.91
23°F (-5°C)	19,401	2,070	2.75	19,209	2,112	2.66	19,019	2,178	2.56	18,646	2,292	2.38	18,273	2,338	2.29	18,090	2,361	7.66	17,909	2,385	2.20
32°F (0°C)	20,431	1,880	3.18	20,229	1,918	3.09	20,028	1,978	2.97	19,636	2,082	2.76	19,243	2,123	2.66	19,050	2,145	8.88	18,860	2,166	2.55
41°F (5°C)	21,461	1,690	3.72	21,248	1,724	3.61	21,038	1,778	3.47	20,625	1,871	3.23	20,213	1,909	3.10	20,011	1,928	10.38	19,811	1,947	2.98
47°F (8°C)	21,851	1,544	4.15	21,634	1,575	4.02	21,420	1,624	3.87	21,000	1,709	3.60	20,580	1,743	3.46	20,374	1,761	11.57	20,170	1,778	3.32
55°F (13°C)	22,506	1,513	4.36	22,283	1,544	4.23	22,063	1,591	4.06	21,630	1,675	3.78	21,197	1,709	3.64	20,985	1,726	12.16	20,776	1,743	3.49
65°F (18°C)	21,381	1,286	4.87	21,169	1,312	4.73	20,959	1,353	4.54	20,549	1,424	4.23	20,138	1,452	4.06	19,936	1,467	13.59	19,737	1,481	3.90
75°F (24°C)	20,312	1,144	5.20	20,111	1,168	5.05	19,911	1,204	4.85	19,521	1,267	4.51	19,131	1,293	4.34	18,939	1,305	14.51	18,750	1,319	4.17

Cooling Capacity Data (Non-Ducted)

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
14°F (-10°C)	13,324	646	20.62	15,676	734	21.35	17,039	790	21.58	17,936	822	21.81	18,490	839	22.03	19,045	856	22.25	19,997	907	22.04
32°F (0°C)	13,879	680	20.41	16,329	773	21.13	17,749	831	21.36	18,683	866	21.58	19,261	883	21.80	19,838	901	22.02	20,830	955	21.81
50°F (10°C)	14,309	716	19.99	16,834	814	20.69	18,298	875	20.92	19,261	911	21.14	19,856	930	21.35	20,452	948	21.56	21,475	1,005	21.36
68°F (20°C)	14,028	796	17.63	16,504	904	18.26	17,939	972	18.45	18,883	1,013	18.65	19,467	1,033	18.84	20,051	1,054	19.03	21,054	1,117	18.85
86°F (30°C)	13,620	947	14.38	16,023	1,076	14.89	17,416	1,157	15.05	18,333	1,205	15.21	18,900	1,230	15.37	19,467	1,255	15.52	20,440	1,330	15.37
95°F (35°C)	12,971	1,155	11.23	15,260	1,312	11.63	16,587	1,411	11.75	17,460	1,470	11.88	18,000	1,500	12.00	18,540	1,530	12.12	19,467	1,622	12.00
104°F (40°C)	12,452	1,224	10.17	14,650	1,391	10.53	15,924	1,496	10.64	16,762	1,558	10.76	17,280	1,590	10.87	17,798	1,622	10.97	18,688	1,719	10.87
110°F (43°C)	11,705	1,261	9.28	13,771	1,433	9.61	14,968	1,541	9.71	15,756	1,605	9.82	16,243	1,638	9.92	16,730	1,670	10.02	17,567	1,771	9.92
115°F (46°C)	10,535	1,236	8.52	12,394	1,404	8.83	13,471	1,510	8.92	14,180	1,573	9.02	14,619	1,605	9.11	15,057	1,637	9.20	15,810	1,735	9.11

Heating and cooling capacities and power usage are measured under the assumption of indoor humidity of 46%.

*Cooling capacities under low ambient temperatures below 23°F (-5°C) are tested when using wind baffle on outdoor unit.

2Q18FF2BEA**Heating Capacity Data (Ducted)**

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
-4°F (-20°C)	14,086	2,118	1.95	13,946	2,161	1.89	13,808	2,228	1.82	13,538	2,345	1.69	13,267	2,392	1.63	13,134	2,416	1.59	13,003	2,440	1.56
0°F (-18°C)	14,827	2,161	2.01	14,680	2,205	1.95	14,535	2,273	1.87	14,250	2,393	1.74	13,965	2,441	1.68	13,825	2,465	1.64	13,687	2,490	1.61
5°F (-15°C)	15,608	2,205	2.07	15,453	2,250	2.01	15,300	2,320	1.93	15,000	2,442	1.80	14,700	2,491	1.73	14,553	2,516	1.70	14,407	2,541	1.66
14°F (-10°C)	16,590	2,032	2.39	16,426	2,074	2.32	16,263	2,138	2.23	15,945	2,250	2.08	15,626	2,295	1.99	15,469	2,318	1.96	15,315	2,341	1.92
23°F (-5°C)	17,542	1,855	2.77	17,368	1,893	2.69	17,196	1,951	2.58	16,859	2,054	2.41	16,522	2,095	2.31	16,357	2,116	2.27	16,193	2,137	2.22
32°F (0°C)	18,478	1,675	3.23	18,295	1,709	3.14	18,114	1,762	3.01	17,759	1,855	2.81	17,404	1,892	2.70	17,229	1,911	2.64	17,057	1,930	2.59
41°F (5°C)	19,414	1,496	3.80	19,222	1,526	3.69	19,031	1,573	3.54	18,658	1,656	3.30	18,285	1,689	3.17	18,102	1,706	3.11	17,921	1,723	3.05
47°F (8°C)	19,770	1,359	4.26	19,574	1,387	4.14	19,380	1,429	3.97	19,000	1,505	3.70	18,620	1,535	3.55	18,434	1,550	3.48	18,249	1,566	3.42
55°F (13°C)	20,363	1,332	4.48	20,161	1,359	4.35	19,961	1,401	4.18	19,570	1,475	3.89	19,179	1,504	3.74	18,987	1,519	3.66	18,797	1,534	3.59
65°F (18°C)	19,344	1,132	5.01	19,153	1,155	4.86	18,963	1,191	4.67	18,592	1,253	4.35	18,220	1,278	4.18	18,037	1,291	4.09	17,857	1,304	4.01
75°F (24°C)	18,377	1,007	5.35	18,195	1,028	5.19	18,015	1,060	4.98	17,662	1,116	4.64	17,309	1,138	4.46	17,136	1,149	4.37	16,964	1,161	4.28

Cooling Capacity Data (Ducted)

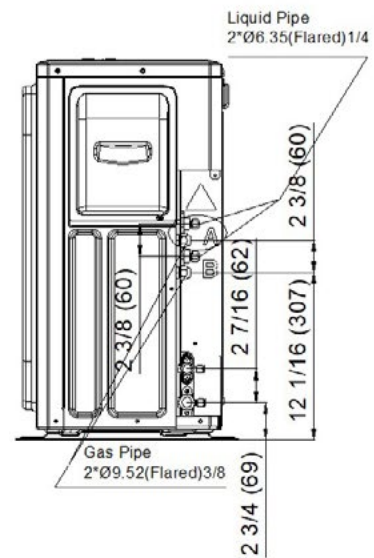
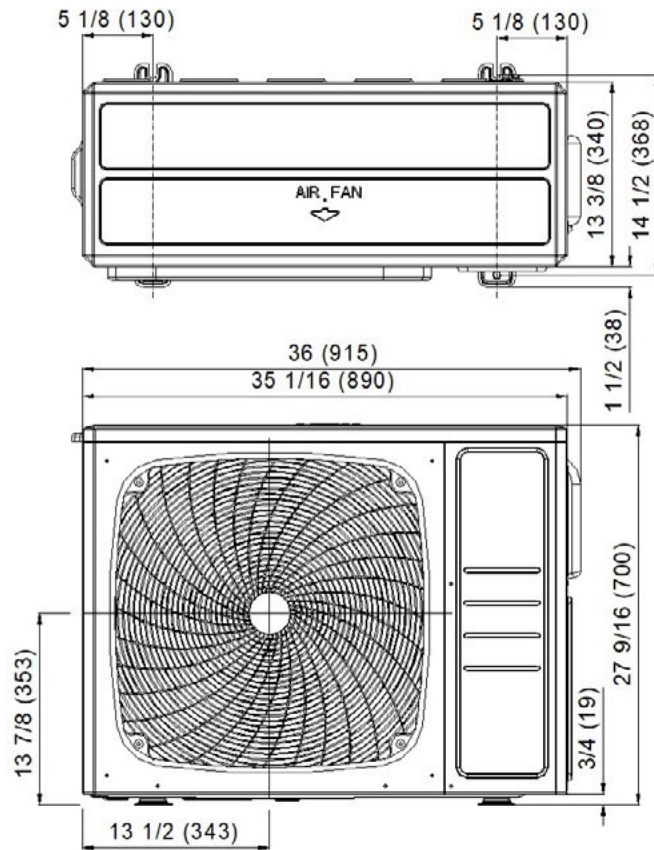
TC: Total Capacity PI: Power Input

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
14°F (-10°C)	12,584	678	18.56	14,805	771	19.21	16,092	829	19.42	16,939	863	19.63	17,463	881	19.83	17,987	898	20.02	18,886	952	19.83
32°F (0°C)	13,108	714	18.37	15,422	811	19.01	16,763	872	19.22	17,645	908	19.42	18,191	927	19.62	18,736	946	19.82	19,673	1,002	19.63
50°F (10°C)	13,514	751	17.99	15,899	854	18.62	17,281	918	18.82	18,191	956	19.02	18,753	976	19.22	19,316	995	19.41	20,282	1,055	19.22
68°F (20°C)	13,249	835	15.87	15,587	949	16.43	16,942	1,020	16.61	17,834	1,063	16.78	18,386	1,084	16.96	18,937	1,106	17.12	19,884	1,172	16.96
86°F (30°C)	12,863	994	12.94	15,133	1,129	13.40	16,449	1,214	13.55	17,315	1,265	13.69	17,850	1,291	13.83	18,386	1,317	13.96	19,305	1,396	13.83
95°F (35°C)	12,250	1,212	10.11	14,412	1,377	10.46	15,666	1,481	10.58	16,490	1,543	10.69	17,000	1,574	10.80	17,510	1,606	10.91	18,386	1,702	10.80
104°F (40°C)	11,760	1,285	9.15	13,836	1,460	9.48	15,039	1,570	9.58	15,830	1,635	9.68	16,320	1,669	9.78	16,810	1,702	9.88	17,650	1,804	9.78
110°F (43°C)	11,055	1,323	8.35	13,006	1,504	8.65	14,137	1,617	8.74	14,881	1,684	8.84	15,341	1,719	8.93	15,801	1,753	9.01	16,591	1,858	8.93
115°F (46°C)	9,949	1,297	7.67	11,705	1,474	7.94	12,723	1,584	8.03	13,393	1,651	8.11	13,807	1,684	8.20	14,221	1,718	8.28	14,932	1,821	8.20

Heating and cooling capacities and power usage are measured under the assumption of indoor humidity of 46%.

*Cooling capacities under low ambient temperatures below 23°F (-5°C) are tested when using wind baffle on outdoor unit.

2Q18FF2BEA



Note: Dimensions are shown in inches (millimeters)

SUBMITTAL REVISION HISTORY

03-25-25: Submittal release.