

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

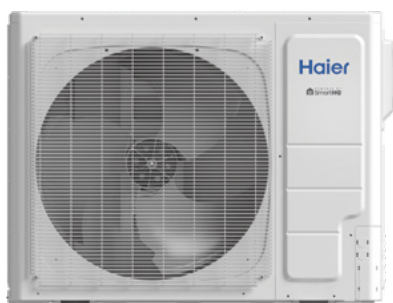
Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1Q3036RT2BEA



Indoor Model:
QS30WB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB51WA
Side Wind Baffle	UASWB51WA
Back Wind Baffle	UAWB51WA
Top Cover	UATC51WA
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)
	Heating	-22~75°F (-30~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	30,000
	Capacity Range Btu/hr	6,000~31,000
	SEER2 / EER2	20/11.2
	Rated Power Input W	2,678
Heating	Moisture Removal Pt./hr.	7.5
	Rated Heating Capacity 47°F Btu/hr	31,000
	Heating Capacity Range Btu/hr	6,500~32,500
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	9.5/7.5
	Rated Power Input W	2,523
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	40
Indoor Unit	Minimum Circuit Amp A	25
	Outdoor Noise Level dB	72
	Dimension: HxWxD in (mm)	33 1/16 x 43 1/8 x 19 7/8 (840 x 1095 x 505)
	Carton Dimension: HxWxD in (mm)	40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	134.7/173.06 (61.1/78.5)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	800/725/650/510/430
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1250/1150/975/800/700
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	55/53/49/44/40
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	800/725/650/510/430
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1250/1150/975/800/700
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	55/53/49/44/40
	Dimension: H x W x D in (mm)	14 3/8 x 52 3/4 x 10 3/4 (365 x 1341 x 274)
	Carton Dimension: H x W x D in (mm)	15 5/8 x 55 7/8 x 18 7/8 (396 x 1418 x 478)
	Weight (Net/Ship) - lbs (kg)	46.34/56.27 (21/25.5)
Indoor Unit	Drain Pipe Size O.D in	5/8
	WiFi*	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes
Refrigerant Line	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	3/8
	Suction O.D. in	5/8
	Factory Charge Oz	109.4
Refrigerant Line	Maximum Line Length Ft / m	165/50
	Maximum Height Ft / m	100/30

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

1Q3036RT2BEA/QS30WB2BEA

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
-22°F (-30°C)	15,831	3,017	1.54	14,881	3,078	1.42	14,434	3,141	1.35	14,000	3,205	1.28	13,579	3,271	1.22	13,171	3,338	1.16	12,381	3,406	1.07
-15°F (-26°C)	17,527	3,352	1.53	16,476	3,420	1.41	15,981	3,490	1.34	15,500	3,561	1.28	15,034	3,634	1.21	14,582	3,708	1.15	13,707	3,784	1.06
-4°F (-20°C)	21,485	3,604	1.75	20,196	3,678	1.61	19,589	3,753	1.53	19,000	3,830	1.45	18,429	3,908	1.38	17,875	3,987	1.31	16,803	4,069	1.21
0°F (-18°C)	26,522	3,834	2.03	24,932	3,913	1.87	24,182	3,993	1.78	23,455	4,074	1.69	22,750	4,157	1.60	22,066	4,242	1.52	20,742	4,329	1.40
5°F (-15°C)	29,174	3,953	2.16	27,424	4,034	1.99	26,600	4,116	1.89	25,800	4,200	1.80	25,024	4,286	1.71	24,272	4,373	1.63	22,816	4,462	1.50
14°F (-10°C)	29,321	3,478	2.47	27,562	3,549	2.28	26,733	3,622	2.16	25,930	3,696	2.06	25,150	3,771	1.95	24,394	3,848	1.86	22,931	3,926	1.71
23°F (-5°C)	29,468	3,060	2.82	27,701	3,123	2.60	26,868	3,187	2.47	26,060	3,252	2.35	25,276	3,318	2.23	24,516	3,386	2.12	23,046	3,455	1.96
32°F (0°C)	29,616	2,693	3.22	27,840	2,748	2.97	27,003	2,804	2.82	26,191	2,861	2.68	25,403	2,920	2.55	24,640	2,979	2.42	23,162	3,040	2.23
41°F (5°C)	29,765	2,721	3.21	27,980	2,777	2.95	27,139	2,834	2.81	26,323	2,892	2.67	25,531	2,951	2.54	24,763	3,011	2.41	23,278	3,072	2.22
47°F (8°C)	35,054	2,375	4.33	32,952	2,423	3.99	31,961	2,473	3.79	31,000	2,523	3.60	30,068	2,574	3.42	29,164	2,627	3.25	27,415	2,681	3.00
55°F (13°C)	35,755	2,387	4.39	33,611	2,435	4.05	32,600	2,485	3.84	31,620	2,536	3.65	30,669	2,587	3.47	29,747	2,640	3.30	27,963	2,694	3.04
65°F (18°C)	36,470	2,399	4.46	34,282	2,448	4.11	33,252	2,497	3.90	32,252	2,548	3.71	31,282	2,600	3.53	30,342	2,653	3.35	28,522	2,708	3.09
75°F (24°C)	37,199	2,411	4.52	34,968	2,460	4.17	33,916	2,510	3.96	32,897	2,561	3.76	31,908	2,613	3.58	30,948	2,667	3.40	29,092	2,721	3.13

Cooling Capacity Data

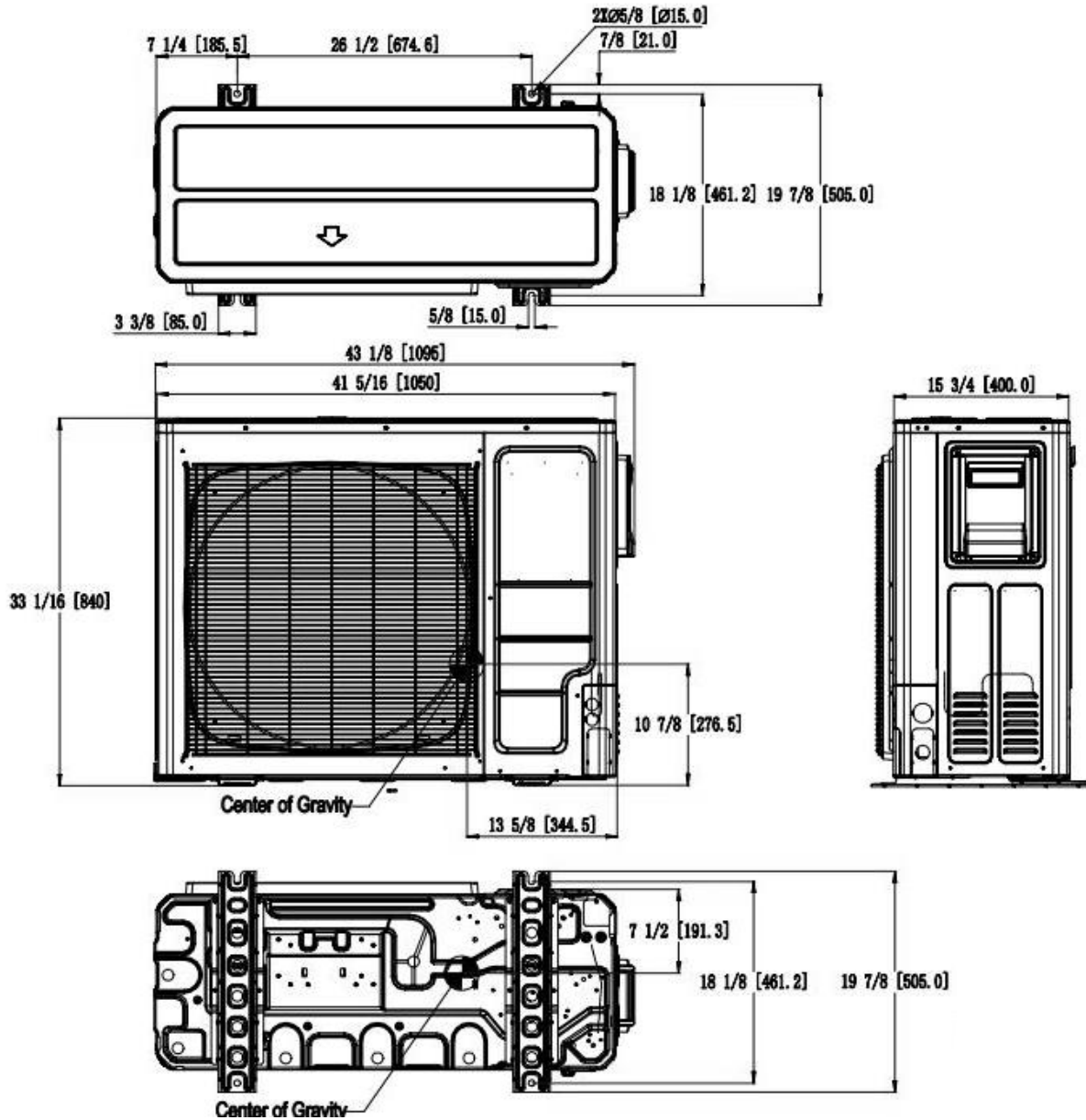
TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60 / 50			64 / 63			70 / 57			75 / 62			80 / 67			82 / 70			90 / 75		
	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
23°F (-5°C)	19,244	2,177	8.84	20,078	2,098	9.57	20,947	2,021	10.37	21,854	1,947	11.23	22,800	1,875	12.16	23,787	1,807	13.17	24,817	1,741	14.26
32°F (0°C)	19,413	2,373	8.18	20,253	2,286	8.86	21,130	2,203	9.59	22,045	2,122	10.39	22,999	2,044	11.25	23,995	1,969	12.18	25,034	1,897	13.19
50°F (10°C)	21,354	2,587	8.26	22,279	2,492	8.94	23,243	2,401	9.68	24,249	2,313	10.48	25,299	2,228	11.35	26,395	2,147	12.30	27,538	2,068	13.32
68°F (20°C)	23,489	2,794	8.41	24,506	2,691	9.11	25,567	2,593	9.86	26,674	2,498	10.68	27,829	2,407	11.56	29,034	2,318	12.52	30,291	2,234	13.56
86°F (30°C)	25,838	2,989	8.64	26,957	2,880	9.36	28,124	2,774	10.14	29,342	2,673	10.98	30,612	2,575	11.89	31,938	2,481	12.87	33,320	2,390	13.94
95°F (35°C)	25,322	3,109	8.14	26,418	2,995	8.82	27,562	2,885	9.55	28,755	2,780	10.34	30,000	2,678	11.20	31,299	2,580	12.13	32,654	2,486	13.14
104°F (40°C)	24,815	3,233	7.68	25,890	3,115	8.31	27,010	3,001	9.00	28,180	2,891	9.75	29,400	2,785	10.56	30,673	2,683	11.43	32,001	2,585	12.38
110°F (43°C)	24,567	3,298	7.45	25,631	3,177	8.07	26,740	3,061	8.74	27,898	2,949	9.46	29,106	2,841	10.25	30,366	2,737	11.10	31,681	2,637	12.02
115°F (46°C)	24,321	3,397	7.16	25,374	3,272	7.75	26,473	3,153	8.40	27,619	3,037	9.09	28,815	2,926	9.85	30,063	2,819	10.66	31,364	2,716	11.55

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

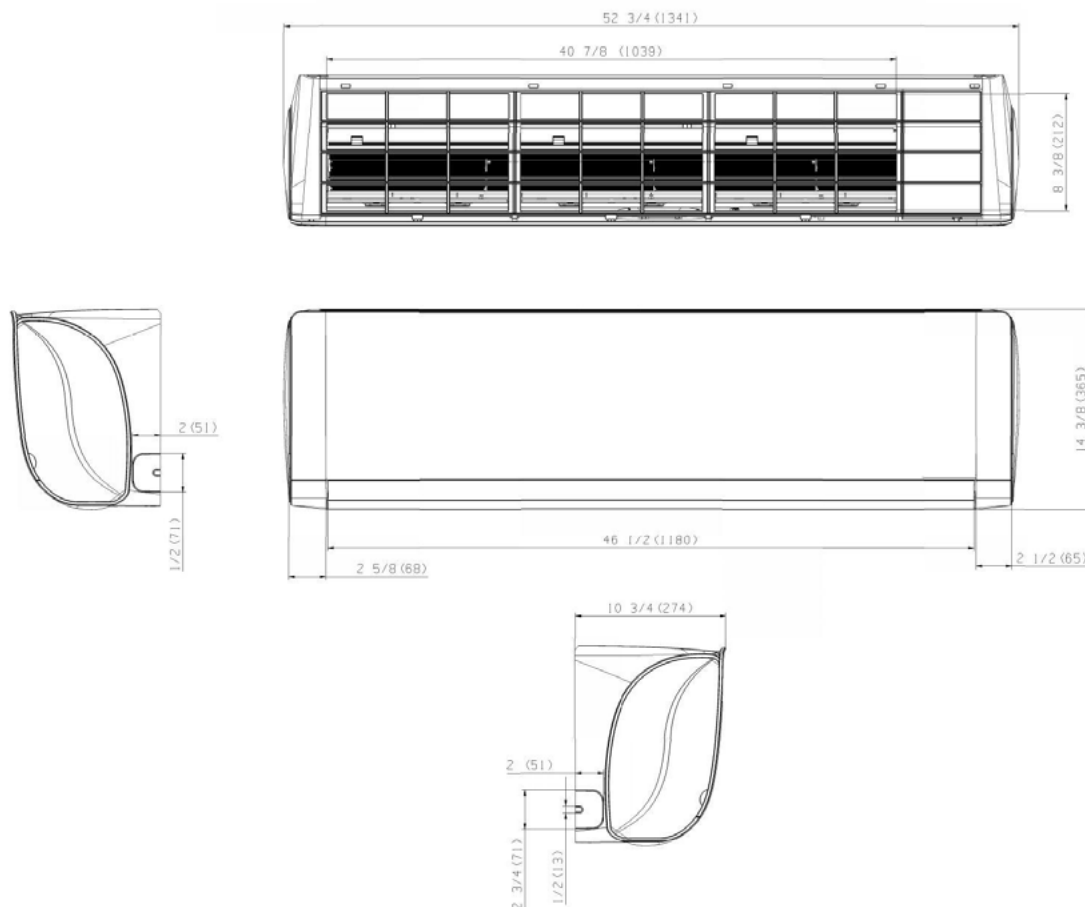
*Cooling capacities under low ambient temperatures below 23°F (-5°C) are tested when using wind baffle on outdoor unit.

1Q3036RT2BEA



Note: Dimensions are shown in inches (millimeters)

QS30WB2BEA



Note: Dimensions are shown in inches (millimeters)

Job Name: _____

Purchaser: _____

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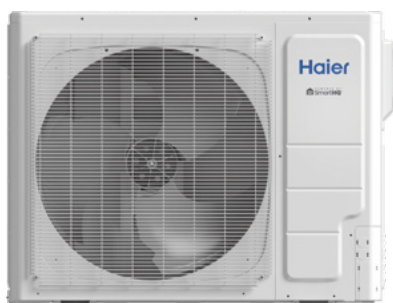
Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1Q3036RT2BEA



Indoor Model:
US30LB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB51WA
Side Wind Baffle	UASWB51WA
Back Wind Baffle	UAWB51WA
Top Cover	UATC51WA
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)
	Heating	-22~75°F (-30~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	30,000
	Capacity Range Btu/hr	9,000~32,000
	SEER2 / EER2	20/12
	Rated Power Input W	2,565
Heating	Moisture Removal Pt./hr.	5
	Rated Heating Capacity 47°F Btu/hr	32,000
	Heating Capacity Range Btu/hr	9,000-33,500
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	10.0/8.0
	Rated Power Input W	2,535
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	40
Indoor Unit	Minimum Circuit Amp A	25
	Outdoor Noise Level dB	72
	Dimension: HxWxD in (mm)	33 1/16 x 43 1/8 x 19 7/8 (840 x 1095 x 505)
	Carton Dimension: HxWxD in (mm)	40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	165.42/211.64 (75/96)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	1247/1200/1033/873/650
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	800/730/650/550/450
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	51/50/45/44/39
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	1247/1200/1033/873/650
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	800/730/650/550/450
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	51/50/45/44/39
	Dimension: H x W x D in (mm)	9 3/4 x 33 x 33 (246 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)
Indoor Unit	Drain Pipe Size O.D in*	1
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes
Refrigerant Line	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	3/8
	Suction O.D. in	3/4
	Factory Charge Oz	109.4
	Maximum Line Length Ft / m	165/50
Refrigerant Line	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.

1Q3036RT2BEA/US30LB2BEA

Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																	
	60			65			70			75			80			86		
	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
-22°F (-30°C)	11,810	2,380	1.45	11,638	2,485	1.37	11,466	2,616	1.28	11,237	2,721	1.21	11,007	2,825	1.14	10,778	2,982	1.06
-15°F (-26°C)	16,403	2,768	1.74	16,164	2,890	1.64	15,925	3,042	1.53	15,607	3,164	1.45	15,288	3,285	1.36	14,970	3,468	1.27
-4°F (-20°C)	20,085	3,114	1.89	19,793	3,251	1.78	19,500	3,346	1.71	19,110	3,559	1.57	18,720	3,696	1.48	18,330	3,901	1.38
0°F (-18°C)	23,433	3,543	1.94	23,091	3,635	1.86	22,750	3,784	1.76	22,295	4,031	1.62	21,840	4,208	1.52	21,385	4,397	1.43
5°F (-15°C)	28,325	4,137	2.01	27,912	4,228	1.94	27,000	4,386	1.80	26,450	4,656	1.67	25,940	4,847	1.57	25,350	5,033	1.48
14°F (-10°C)	26,780	3,276	2.40	26,390	3,420	2.26	26,000	3,346	2.28	25,480	3,744	1.99	24,960	3,888	1.88	24,440	4,104	1.75
23°F (-5°C)	28,454	2,538	3.29	28,039	2,649	3.10	27,625	2,789	2.90	27,073	2,900	2.74	26,520	3,012	2.58	25,968	3,179	2.39
32°F (0°C)	31,801	2,653	3.51	31,338	2,769	3.32	30,875	2,915	3.10	30,258	3,032	2.92	29,640	3,148	2.76	29,023	3,323	2.56
41°F (5°C)	35,149	2,814	3.66	34,637	2,938	3.46	34,125	3,093	3.23	33,443	3,216	3.05	32,760	3,340	2.87	32,078	3,526	2.67
47°F (8°C)	33,280	2,307	4.23	32,640	2,408	3.97	32,000	2,535	3.70	31,520	2,636	3.50	31,040	2,738	3.32	30,400	2,890	3.08
55°F (13°C)	35,149	2,238	4.60	34,637	2,336	4.35	34,125	2,459	4.07	33,443	2,557	3.83	32,760	2,656	3.62	32,078	2,803	3.35
65°F (18°C)	38,496	2,422	4.66	37,936	2,529	4.40	37,375	2,662	4.12	36,628	2,768	3.88	35,880	2,875	3.66	35,133	3,034	3.39
75°F (24°C)	41,844	2,607	4.70	41,234	2,721	4.44	40,625	2,865	4.16	39,813	2,979	3.92	39,000	3,094	3.69	38,188	3,266	3.43
86°F (30°C)	45,191	2,814	4.71	44,533	2,938	4.44	43,875	3,093	4.16	42,998	3,216	3.92	42,120	3,340	3.70	41,243	3,526	3.43

Cooling Capacity Data

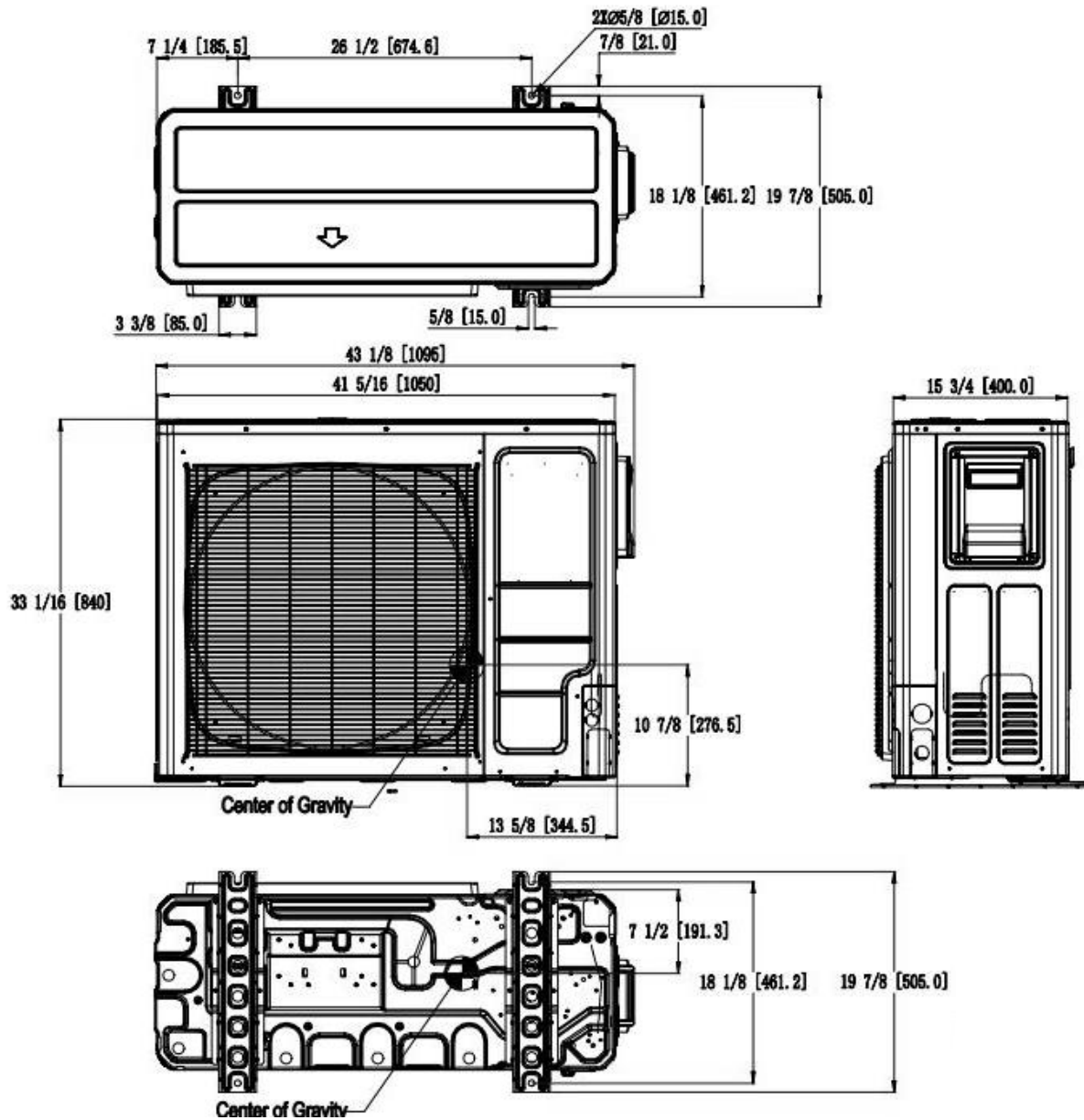
TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60 / 50			64 / 63			70 / 57			75 / 62			80 / 67			82 / 70			90 / 75		
	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
23°F (-5°C)	20,976	1,180	5.21	22,080	1,192	5.43	23,736	1,204	5.78	25,392	1,217	6.12	27,600	1,229	6.58	29,256	1,241	6.91	30,636	1,253	7.16
32°F (0°C)	22,344	1,524	4.30	23,520	1,540	4.48	25,284	1,555	4.76	27,048	1,571	5.04	29,400	1,587	5.43	31,164	1,603	5.70	32,634	1,619	5.91
50°F (10°C)	23,256	1,745	3.91	24,480	1,763	4.07	26,316	1,781	4.33	28,152	1,799	4.59	30,600	1,818	4.93	32,436	1,836	5.18	33,966	1,854	5.37
68°F (20°C)	26,220	2,089	3.68	27,600	2,111	3.83	29,670	2,132	4.08	31,740	2,154	4.32	34,500	2,176	4.65	36,570	2,198	4.88	38,295	2,220	5.06
86°F (30°C)	25,764	2,556	2.95	27,120	2,583	3.08	29,154	2,609	3.27	31,188	2,636	3.47	33,900	2,662	3.73	35,934	2,689	3.92	37,629	2,716	4.06
95°F (35°C)	22,800	2,458	2.72	24,000	2,483	2.83	25,800	2,509	3.01	27,600	2,534	3.19	30,000	2,565	3.43	31,800	2,586	3.60	33,300	2,611	3.74
104°F (40°C)	22,344	2,826	2.32	23,520	2,856	2.41	25,284	2,885	2.57	27,048	2,915	2.72	29,400	2,944	2.93	31,164	2,973	3.07	32,634	3,003	3.19
110°F (43°C)	21,660	2,998	2.12	22,800	3,030	2.21	24,510	3,061	2.35	26,220	3,092	2.49	28,500	3,123	2.67	30,210	3,154	2.81	31,635	3,186	2.91
115°F (46°C)	20,976	3,146	1.95	22,080	3,178	2.04	23,736	3,211	2.17	25,392	3,244	2.29	27,600	3,277	2.47	29,256	3,310	2.59	30,636	3,342	2.69

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

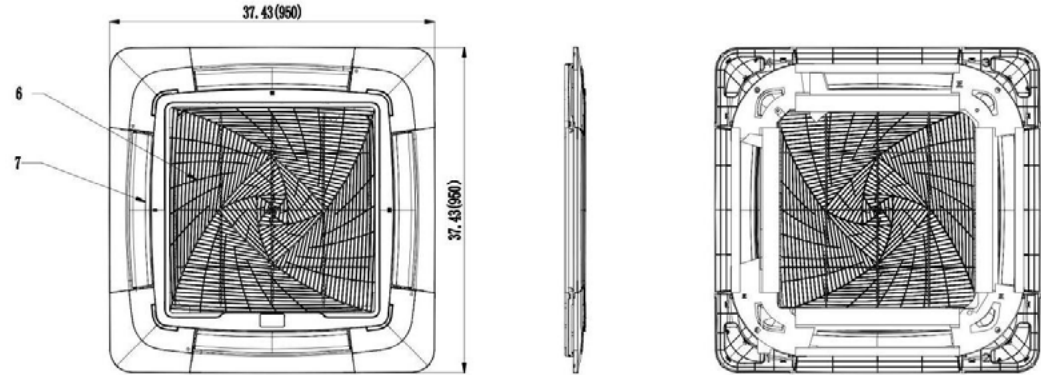
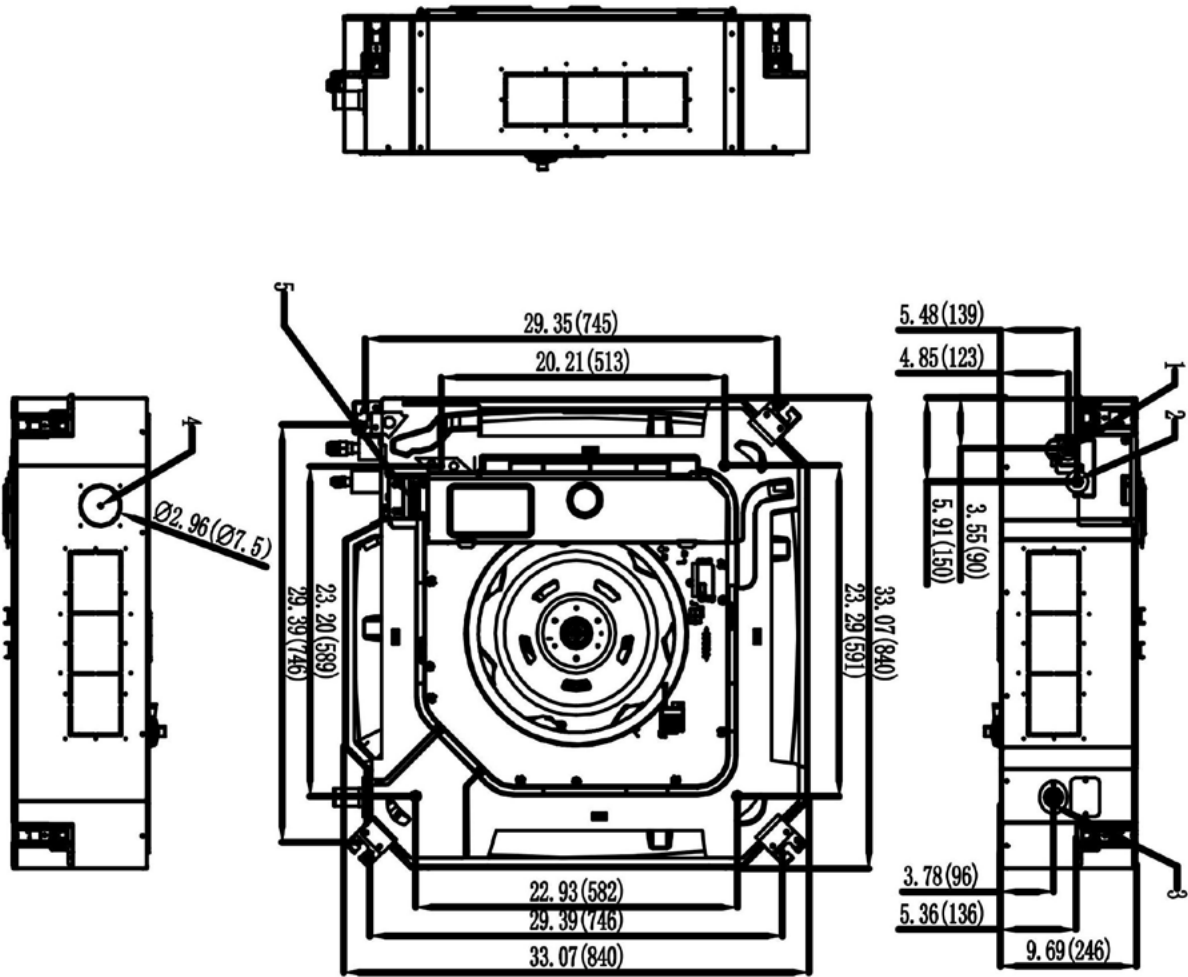
*Cooling capacities under low ambient temperatures below 23°F (-5°C) are tested when using wind baffle on outdoor unit.

1Q3036RT2BEA



Note: Dimensions are shown in inches (millimeters)

US30LB2BEA



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: _____

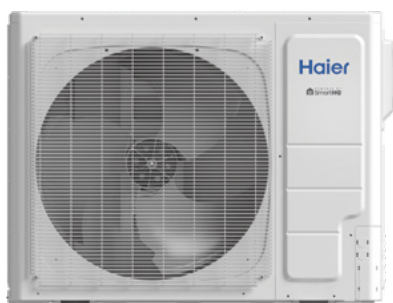
Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1Q3036RT2BEA



Indoor Model:
US30MB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB51WA
Side Wind Baffle	UASWB51WA
Back Wind Baffle	UAWB51WA
Top Cover	UATC51WA
Central Controller	UACT32A

Indoor Accessories

Wired Controller	QACT17B
Supply Plenum	UAPT3048A
MERV Return Air Filter Box	UAMFB3048A

Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23~115°F (-5~46°C)
	Heating	-22~75°F (-30~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	30,000
	Capacity Range Btu/hr	9,000~31,000
	SEER2 / EER2	17.6/10.8
	Rated Power Input W	2,858
Heating	Moisture Removal Pt./hr.	5.07
	Rated Heating Capacity 47°F Btu/hr	32,000
	Heating Capacity Range Btu/hr	9,000~33,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	10.0/7.8
	Rated Power Input W	2,535
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	40
Indoor Unit	Minimum Circuit Amp A	25
	Outdoor Noise Level dB	72
	Dimension: HxWxD in (mm)	33 1/16 x 43 1/8 x 19 7/8 (840 x 1095 x 505)
	Carton Dimension: HxWxD in (mm)	40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	165.42/211.64 (75/96)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	1236/1130/953/812/688
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1010/970/850/760/700
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	46/45/41/38/36
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	1236/1130/953/812/688
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1010/970/850/760/700
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	46/45/41/38/36
	Dimension: H x W x D in (mm)	9 3/4 x 63 1/4 x 27 1/2 (248 x 1607 x 700)
	Carton Dimension: H x W x D in (mm)	13 7/8 x 67 3/8 x 34 (353 x 1712 x 860)
	Weight (Net/Ship) - lbs (kg)	115.08/158.29 (52.2/71.8)
Refrigerant Line	Drain Pipe Size O.D in*	1
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	Yes
	Refrigerant	R454B
Refrigerant Line	Connections	Flare
	Liquid O.D. in	3/8
	Suction O.D. in	3/4
	Factory Charge Oz	109.4
Refrigerant Line	Maximum Line Length Ft / m	165/50
	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.

1Q3036RT2BEA/US30MB2BEA

Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																	
	60			65			70			75			80			86		
	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
-22°F (-30°C)	11,628	2,380	1.43	11,458	2,485	1.35	11,289	2,616	1.26	11,063	2,721	1.19	10,838	2,825	1.12	10,612	2,982	1.04
-15°F (-26°C)	16,150	2,768	1.71	15,915	2,890	1.61	15,680	3,042	1.51	15,366	3,164	1.42	15,053	3,285	1.34	14,739	3,468	1.25
-5°F (-21°C)	19,776	3,114	1.86	19,488	3,251	1.76	18,240	3,346	1.60	18,816	3,559	1.55	18,432	3,696	1.46	18,048	3,901	1.36
0°F (-18°C)	23,072	3,345	2.02	22,736	3,492	1.91	20,800	3,600	1.69	21,952	3,823	1.68	21,504	3,970	1.59	21,056	4,190	1.47
5°F (-15°C)	23,698	3,414	2.03	23,353	3,564	1.92	23,000	3,752	1.80	22,548	3,901	1.69	22,087	4,052	1.60	21,627	4,277	1.48
14°F (-10°C)	26,368	3,276	2.36	25,984	3,420	2.23	25,600	3,346	2.24	25,088	3,744	1.96	24,576	3,888	1.85	24,064	4,104	1.72
23°F (-5°C)	28,016	2,538	3.24	27,608	2,649	3.05	27,200	2,789	2.86	26,656	2,900	2.69	26,112	3,012	2.54	25,568	3,179	2.36
32°F (0°C)	31,312	2,653	3.46	30,856	2,769	3.27	30,400	2,915	3.06	29,792	3,032	2.88	29,184	3,148	2.72	28,576	3,323	2.52
41°F (5°C)	34,608	2,814	3.60	34,104	2,938	3.40	33,600	3,093	3.18	32,928	3,216	3.00	32,256	3,340	2.83	31,584	3,526	2.63
47°F (8°C)	32,960	2,307	4.19	32,480	2,408	3.95	32,000	2,535	3.70	31,360	2,636	3.49	30,720	2,738	3.29	30,080	2,890	3.05
55°F (13°C)	34,608	2,238	4.53	34,104	2,336	4.28	33,600	2,459	4.00	32,928	2,557	3.77	32,256	2,656	3.56	31,584	2,803	3.30
65°F (18°C)	37,904	2,422	4.59	37,352	2,529	4.33	36,800	2,662	4.05	36,064	2,768	3.82	35,328	2,875	3.60	34,592	3,034	3.34
75°F (24°C)	41,200	2,607	4.63	40,600	2,721	4.37	40,000	2,865	4.09	39,200	2,979	3.86	38,400	3,094	3.64	37,600	3,266	3.37
86°F (30°C)	44,496	2,814	4.63	43,848	2,938	4.37	43,200	3,093	4.09	42,336	3,216	3.86	41,472	3,340	3.64	40,608	3,526	3.38

Cooling Capacity Data

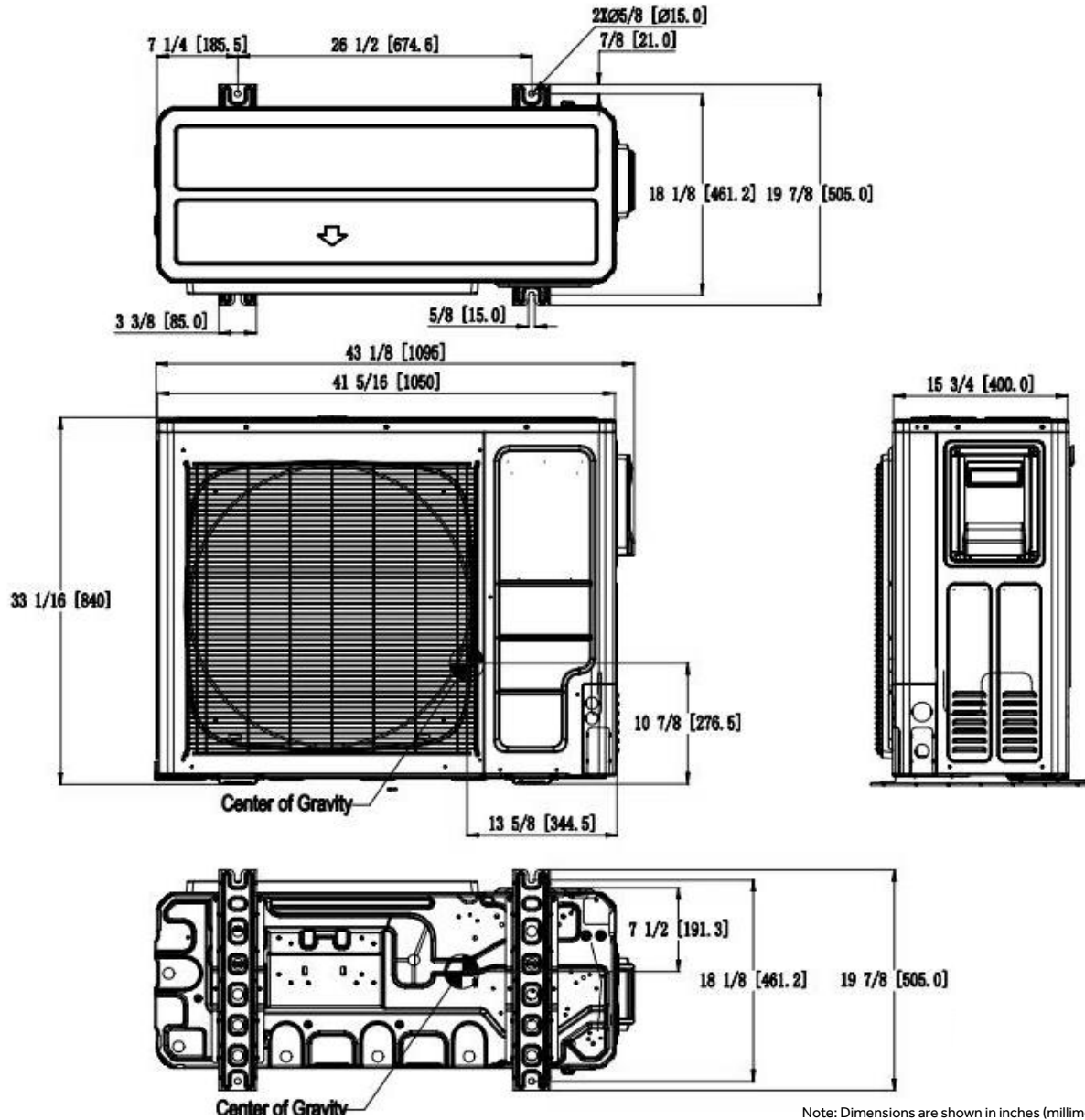
TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60 / 50			64 / 53			70 / 57			75 / 62			80 / 67			86 / 72			90 / 75		
	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
23°F (-5°C)	20,766	1,299	4.68	21,859	1,313	4.88	23,499	1,327	5.19	25,138	1,340	5.50	27,324	1,354	5.92	28,963	1,367	6.21	30,330	1,381	6.44
32°F (0°C)	22,121	1,678	3.86	23,285	1,696	4.02	25,031	1,713	4.28	26,778	1,731	4.53	29,106	1,748	4.88	30,852	1,766	5.12	32,308	1,783	5.31
50°F (10°C)	23,023	1,922	3.51	24,235	1,942	3.66	26,053	1,962	3.89	27,870	1,982	4.12	30,294	2,002	4.43	32,112	2,022	4.65	33,626	2,042	4.83
68°F (20°C)	25,958	2,301	3.31	27,324	2,325	3.44	29,373	2,349	3.66	31,423	2,373	3.88	34,155	2,397	4.18	36,204	2,421	4.38	37,912	2,445	4.54
86°F (30°C)	25,506	2,815	2.66	26,849	2,845	2.77	28,862	2,874	2.94	30,876	2,903	3.12	33,561	2,933	3.35	35,575	2,962	3.52	37,253	2,991	3.65
95°F (35°C)	22,572	2,745	2.41	23,760	2,773	2.51	25,542	2,802	2.67	27,324	2,830	2.83	30,000	2,858	3.08	31,482	2,886	3.20	32,967	2,914	3.32
104°F (40°C)	22,121	3,113	2.08	23,285	3,146	2.17	25,031	3,178	2.31	26,778	3,211	2.44	29,106	3,243	2.63	30,852	3,275	2.76	32,308	3,308	2.86
110°F (43°C)	21,443	3,303	1.90	22,572	3,337	1.98	24,265	3,372	2.11	25,958	3,406	2.23	28,215	3,440	2.40	29,908	3,475	2.52	31,319	3,509	2.62
115°F (46°C)	20,766	3,465	1.76	21,859	3,501	1.83	23,499	3,537	1.95	25,138	3,574	2.06	27,324	3,610	2.22	28,963	3,646	2.33	30,330	3,682	2.41

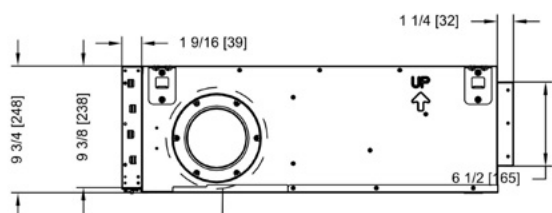
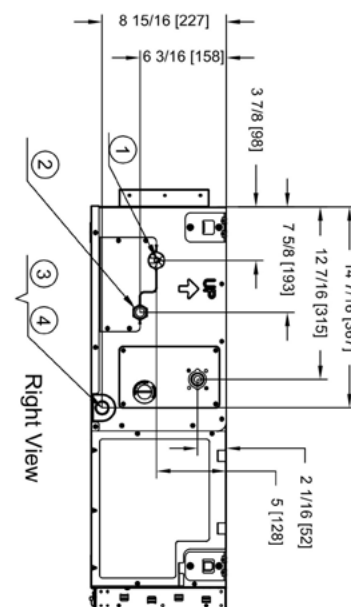
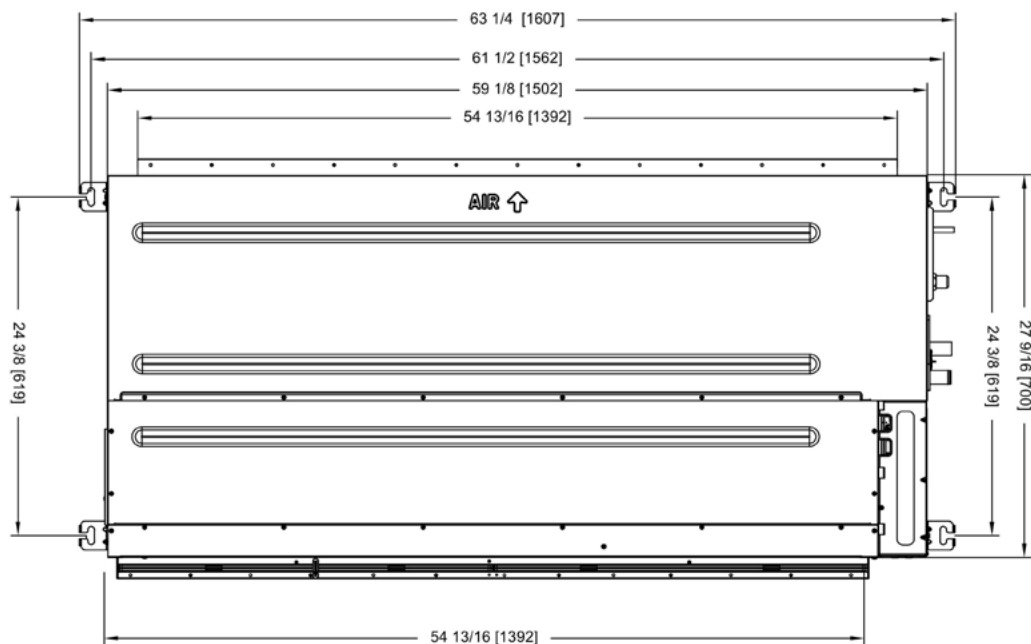
Heating and cooling capacities and power usage are measured under the assumption of indoor humidity of 46%.

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

1Q3036RT2BEA

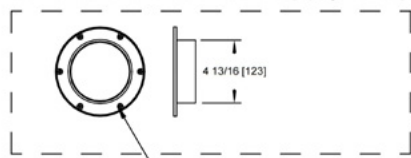


US30MB2BEA



Left View

Reversible fresh air supply adapter



knock out

No.	Parts Name	Notes
1	Gas pipe connection	
2	Liquid pipe connection	
3	Drain pipe	OD. Diameter: , ID. Diameter:
4	Matching drain hose	

Note: Dimensions are shown in inches (millimeters)

SUBMITTAL REVISION HISTORY

07-11-25: *Submittal release.*

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

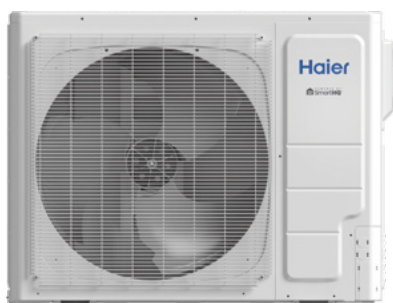
Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1Q3036RT2BEA



Indoor Model:
QS36WB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB51WA
Side Wind Baffle	UASWB51WA
Back Wind Baffle	UAWB51WA
Top Cover	UATC51WA
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)
	Heating	-22~75°F (-30~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	32,400
	Capacity Range Btu/hr	6,000~33,500
	SEER2 / EER2	20/10.5
	Rated Power Input W	3,085
Heating	Moisture Removal Pt./hr.	7.9
	Rated Heating Capacity 47°F Btu/hr	37,000
	Heating Capacity Range Btu/hr	6,500~37,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	9.5/7.5
	Rated Power Input W	3,615
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	40
Indoor Unit	Minimum Circuit Amp A	25
	Outdoor Noise Level dB	73
	Dimension: HxWxD in (mm)	33 1/16 x 43 1/8 x 19 7/8 (840 x 1095 x 505)
	Carton Dimension: HxWxD in (mm)	40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	134.7/173.06 (61.1/78.5)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	840/765/690/550/470
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1300/1200/1000/800/700
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	56/54/50/44/40
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	840/765/690/550/470
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1300/1200/1000/800/700
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	56/54/50/44/40
	Dimension: H x W x D in (mm)	14 3/8 x 52 3/4 x 10 3/4 (365 x 1341 x 274)
	Carton Dimension: H x W x D in (mm)	15 5/8 x 55 7/8 x 18 7/8 (396 x 1418 x 478)
	Weight (Net/Ship) - lbs (kg)	46.34/56.27 (21/25.5)
Indoor Unit	Drain Pipe Size O.D in	5/8
	WiFi*	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes
Refrigerant Line	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	3/8
	Suction O.D. in	5/8
Refrigerant Line	Factory Charge Oz	109.4
	Maximum Line Length Ft / m	165/50
	Maximum Height Ft / m	100/30

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

1Q3036RT2BEA/QS36WB2BEA

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
-22°F (-30°C)	17,866	3,163	1.66	16,795	3,228	1.52	16,290	3,294	1.45	15,800	3,361	1.38	15,325	3,430	1.31	14,864	3,500	1.24	13,973	3,571	1.15
-15°F (-26°C)	19,789	3,515	1.65	18,602	3,587	1.52	18,043	3,660	1.44	17,500	3,735	1.37	16,974	3,811	1.31	16,463	3,889	1.24	15,476	3,968	1.14
-4°F (-20°C)	22,616	3,700	1.79	21,259	3,775	1.65	20,620	3,852	1.57	20,000	3,931	1.49	19,399	4,011	1.42	18,815	4,093	1.35	17,687	4,177	1.24
0°F (-18°C)	25,479	3,895	1.92	23,951	3,974	1.77	23,230	4,055	1.68	22,532	4,138	1.60	21,855	4,222	1.52	21,197	4,309	1.44	19,926	4,397	1.33
5°F (-15°C)	29,626	4,015	2.16	27,850	4,097	1.99	27,012	4,181	1.89	26,200	4,266	1.80	25,412	4,353	1.71	24,648	4,442	1.63	23,170	4,533	1.50
14°F (-10°C)	29,775	3,533	2.47	27,990	3,605	2.28	27,148	3,679	2.16	26,332	3,754	2.06	25,540	3,830	1.95	24,772	3,908	1.86	23,286	3,988	1.71
23°F (-5°C)	29,925	3,109	2.82	28,130	3,172	2.60	27,284	3,237	2.47	26,464	3,303	2.35	25,668	3,370	2.23	24,896	3,439	2.12	23,403	3,509	1.95
32°F (0°C)	30,075	2,735	3.22	28,272	2,791	2.97	27,421	2,848	2.82	26,597	2,906	2.68	25,797	2,965	2.55	25,022	3,026	2.42	23,521	3,088	2.23
41°F (5°C)	30,226	2,764	3.20	28,414	2,821	2.95	27,559	2,878	2.81	26,731	2,937	2.67	25,927	2,997	2.54	25,147	3,058	2.41	23,639	3,120	2.22
47°F (8°C)	41,839	3,402	3.60	39,330	3,472	3.32	38,147	3,543	3.16	37,000	3,615	3.00	35,887	3,689	2.85	34,808	3,764	2.71	32,721	3,841	2.50
55°F (13°C)	42,675	3,420	3.66	40,116	3,489	3.37	38,910	3,561	3.20	37,740	3,633	3.04	36,605	3,707	2.89	35,504	3,783	2.75	33,375	3,860	2.53
65°F (18°C)	43,528	3,437	3.71	40,918	3,507	3.42	39,688	3,578	3.25	38,494	3,651	3.09	37,337	3,726	2.94	36,214	3,802	2.79	34,042	3,880	2.57
75°F (24°C)	44,399	3,454	3.77	41,736	3,524	3.47	40,481	3,596	3.30	39,264	3,670	3.14	38,083	3,745	2.98	36,938	3,821	2.83	34,723	3,899	2.61

Cooling Capacity Data

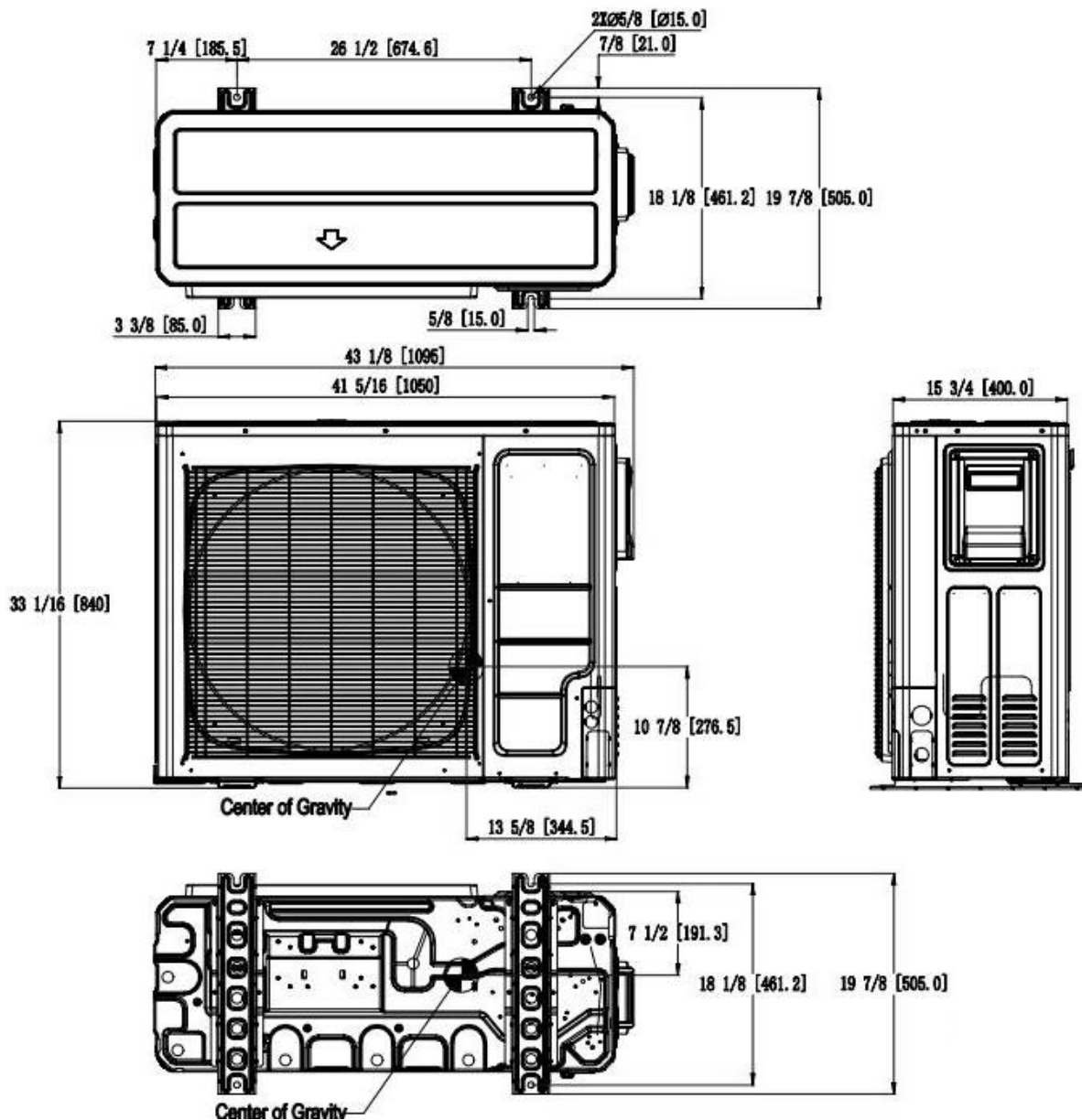
TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60 / 50			64 / 63			70 / 57			75 / 62			80 / 67			82 / 70			90 / 75		
	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
23°F (-5°C)	21,878	2,508	8.72	22,825	2,416	9.45	23,813	2,328	10.23	24,844	2,243	11.08	25,920	2,161	12.00	27,042	2,081	12.99	28,213	2,005	14.07
32°F (0°C)	20,966	2,734	7.67	21,873	2,634	8.30	22,820	2,537	8.99	23,809	2,444	9.74	24,839	2,355	10.55	25,915	2,269	11.42	27,037	2,186	12.37
50°F (10°C)	23,062	2,980	7.74	24,061	2,871	8.38	25,103	2,766	9.08	26,189	2,664	9.83	27,323	2,567	10.64	28,506	2,473	11.53	29,741	2,382	12.48
68°F (20°C)	25,368	3,218	7.88	26,467	3,100	8.54	27,613	2,987	9.24	28,808	2,878	10.01	30,056	2,772	10.84	31,357	2,671	11.74	32,715	2,573	12.71
86°F (30°C)	27,905	3,444	8.10	29,114	3,318	8.78	30,374	3,196	9.50	31,689	3,079	10.29	33,061	2,966	11.15	34,493	2,858	12.07	35,986	2,753	13.07
95°F (35°C)	27,347	3,581	7.64	28,531	3,450	8.27	29,767	3,324	8.96	31,055	3,202	9.70	32,400	3,085	10.50	33,803	2,972	11.37	35,266	2,863	12.32
104°F (40°C)	26,800	3,725	7.20	27,961	3,588	7.79	29,171	3,457	8.44	30,434	3,330	9.14	31,752	3,208	9.90	33,127	3,091	10.72	34,561	2,978	11.61
110°F (43°C)	26,532	3,799	6.98	27,681	3,660	7.56	28,880	3,526	8.19	30,130	3,397	8.87	31,434	3,273	9.61	32,795	3,153	10.40	34,215	3,037	11.26
115°F (46°C)	26,267	3,913	6.71	27,404	3,770	7.27	28,591	3,632	7.87	29,829	3,499	8.53	31,120	3,371	9.23	32,468	3,247	10.00	33,873	3,128	10.83

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

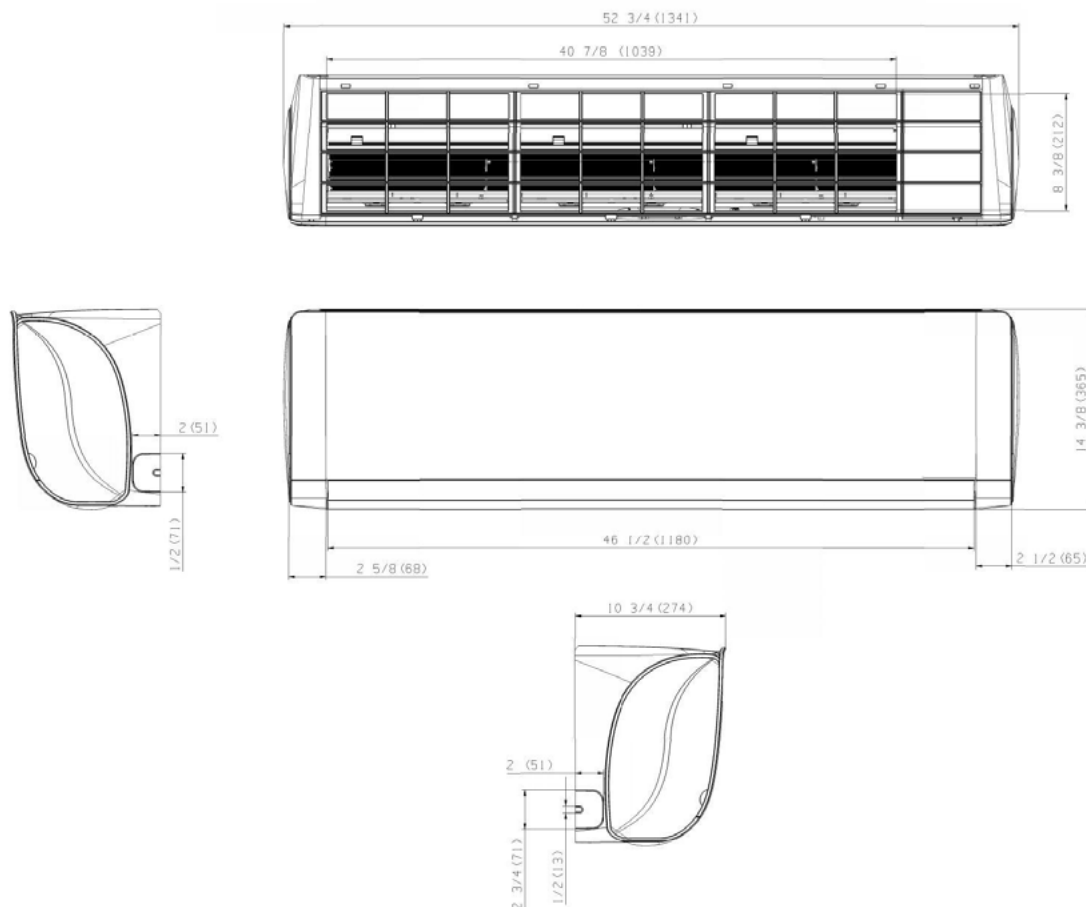
*Cooling capacities under low ambient temperatures below 23°F (-5°C) are tested when using wind baffle on outdoor unit.

1Q3036RT2BEA



Note: Dimensions are shown in inches (millimeters)

QS36WB2BEA



Note: Dimensions are shown in inches (millimeters)

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

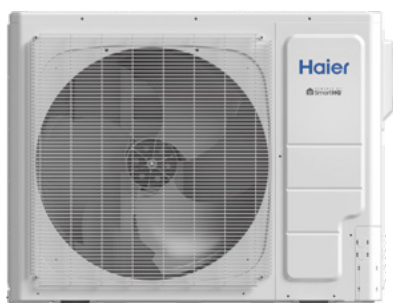
Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1Q3036RT2BEA



Indoor Model:
US36LB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB51WA
Side Wind Baffle	UASWB51WA
Back Wind Baffle	UAWB51WA
Top Cover	UATC51WA
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)
	Heating	-22~75°F (-30~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	36,000
	Capacity Range Btu/hr	9,000~37,500
	SEER2 / EER2	19/11
	Rated Power Input W	3,600
Heating	Moisture Removal Pt./hr.	6.63
	Rated Heating Capacity 47°F Btu/hr	37,000
	Heating Capacity Range Btu/hr	9,000~38,500
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	10.0/7.5
	Rated Power Input W	3,095
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	40
Indoor Unit	Minimum Circuit Amp A	25
	Outdoor Noise Level dB	73
	Dimension: HxWxD in (mm)	33 1/16 x 43 1/8 x 19 7/8 (840 x 1095 x 505)
	Carton Dimension: HxWxD in (mm)	40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	165.42/211.64 (75/96)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	1247/1200/1033/873/650
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	800/730/650/550/450
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	51/50/45/44/39
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	1247/1200/1033/873/650
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	800/730/650/550/450
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	51/50/45/44/39
	Dimension: H x W x D in (mm)	9 3/4 x 33 x 33 (246 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)
Indoor Unit	Drain Pipe Size O.D in*	1
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes
Refrigerant Line	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	3/8
	Suction O.D. in	3/4
Refrigerant Line	Factory Charge Oz	109.4
	Maximum Line Length Ft / m	165/50
	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.

1Q3036RT2BEA/US36LB2BEA

Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																	
	60			65			70			75			80			86		
	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
-22°F (-30°C)	13,575	2,906	1.37	13,314	3,034	1.29	13,053	3,194	1.20	12,857	3,322	1.13	12,661	3,449	1.08	12,401	3,641	1.00
-15°F (-26°C)	18,855	3,380	1.64	18,493	3,528	1.54	18,130	3,714	1.43	17,858	3,863	1.36	17,586	4,011	1.28	17,224	4,234	1.19
-4°F (-20°C)	23,088	3,802	1.78	22,644	3,969	1.67	22,200	4,085	1.59	21,867	4,345	1.47	21,534	4,513	1.40	21,090	4,763	1.30
0°F (-18°C)	26,936	4,084	1.93	26,418	4,263	1.82	25,900	4,395	1.73	25,512	4,667	1.60	25,123	4,847	1.52	24,605	5,116	1.41
5°F (-15°C)	30,161	4,303	2.05	29,580	4,492	1.93	29,000	4,728	1.80	28,565	4,918	1.70	28,130	5,108	1.61	27,551	5,391	1.50
14°F (-10°C)	30,784	3,999	2.26	30,192	4,175	2.12	30,657	3,869	2.32	29,156	4,571	1.87	28,712	4,746	1.77	28,120	5,010	1.64
23°F (-5°C)	32,708	3,098	3.09	32,079	3,234	2.91	31,450	3,559	2.59	30,978	3,541	2.56	30,507	3,677	2.43	29,878	3,881	2.26
32°F (0°C)	36,556	3,239	3.31	35,853	3,381	3.11	35,150	3,559	2.89	34,623	3,702	2.74	34,096	3,844	2.60	33,393	4,058	2.41
41°F (5°C)	40,404	3,436	3.45	39,627	3,587	3.24	38,850	3,776	3.02	38,267	3,927	2.86	37,685	4,078	2.71	36,908	4,305	2.51
47°F (8°C)	38,480	2,816	4.00	37,740	2,940	3.76	37,000	3,095	3.50	36,445	3,219	3.32	35,890	3,343	3.15	35,150	3,528	2.92
55°F (13°C)	40,404	2,732	4.33	39,627	2,852	4.07	38,850	3,002	3.79	38,267	3,122	3.59	37,685	3,242	3.41	36,908	3,422	3.16
65°F (18°C)	44,252	2,957	4.39	43,401	3,087	4.12	42,550	3,250	3.84	41,912	3,380	3.63	41,274	3,510	3.45	40,423	3,705	3.20
75°F (24°C)	48,100	3,183	4.43	47,175	3,322	4.16	46,250	3,497	3.88	45,556	3,637	3.67	44,863	3,777	3.48	43,938	3,987	3.23
86°F (30°C)	51,948	3,436	4.43	50,949	3,587	4.16	49,950	3,776	3.88	49,201	3,927	3.67	48,452	4,078	3.48	47,453	4,305	3.23

Cooling Capacity Data

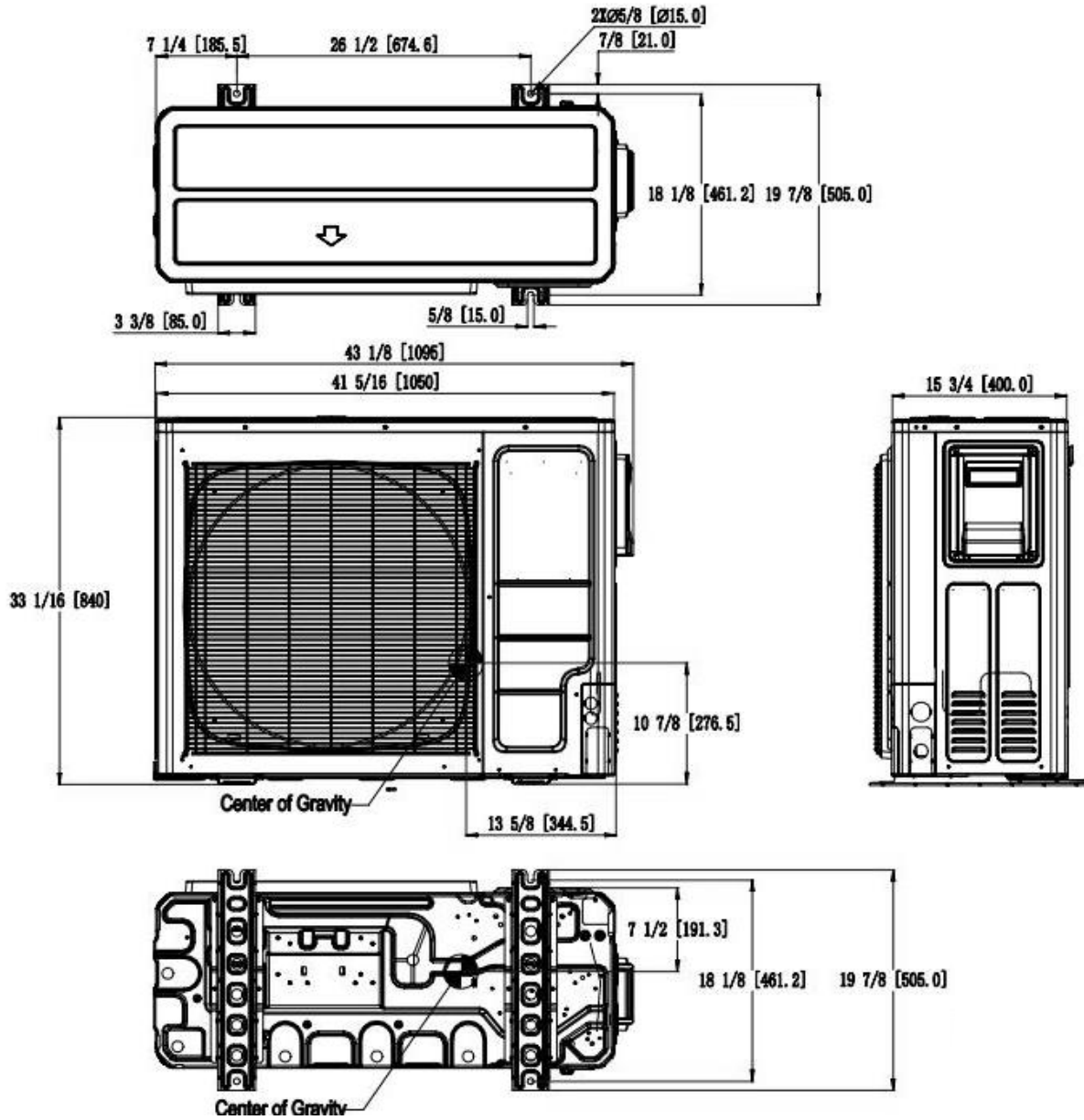
TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60 / 50			64 / 63			70 / 57			75 / 62			80 / 67			82 / 70			90 / 75		
	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
23°F (-5°C)	25,171	1,650	4.47	26,496	1,667	4.66	28,483	1,684	4.96	30,470	1,701	5.25	33,120	1,718	5.65	35,107	1,736	5.93	36,763	1,753	6.15
32°F (0°C)	26,813	2,131	3.69	28,224	2,153	3.84	30,341	2,175	4.09	32,458	2,197	4.33	35,280	2,220	4.66	37,397	2,242	4.89	39,161	2,264	5.07
50°F (10°C)	27,907	2,440	3.35	29,376	2,466	3.49	31,579	2,491	3.72	33,782	2,516	3.93	36,720	2,542	4.23	38,923	2,567	4.44	40,759	2,593	4.61
68°F (20°C)	31,464	2,921	3.16	33,120	2,952	3.29	35,604	2,982	3.50	38,088	3,013	3.71	41,400	3,043	3.99	43,884	3,073	4.18	45,954	3,104	4.34
86°F (30°C)	30,917	3,574	2.54	32,544	3,612	2.64	34,985	3,649	2.81	37,426	3,686	2.98	40,680	3,723	3.20	43,121	3,760	3.36	45,155	3,798	3.48
95°F (35°C)	27,360	3,437	2.33	28,800	3,473	2.43	30,960	3,508	2.59	33,120	3,544	2.74	36,000	3,600	2.93	38,160	3,616	3.09	39,960	3,652	3.21
104°F (40°C)	26,813	3,952	1.99	28,224	3,993	2.07	30,341	4,035	2.20	32,458	4,076	2.33	35,280	4,117	2.51	37,397	4,158	2.64	39,161	4,199	2.73
110°F (43°C)	25,992	4,193	1.82	27,360	4,237	1.89	29,412	4,280	2.01	31,464	4,324	2.13	34,200	4,368	2.29	36,252	4,411	2.41	37,962	4,455	2.50
115°F (46°C)	25,171	4,399	1.68	26,496	4,445	1.75	28,483	4,491	1.86	30,470	4,537	1.97	33,120	4,582	2.12	35,107	4,628	2.22	36,763	4,674	2.31

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

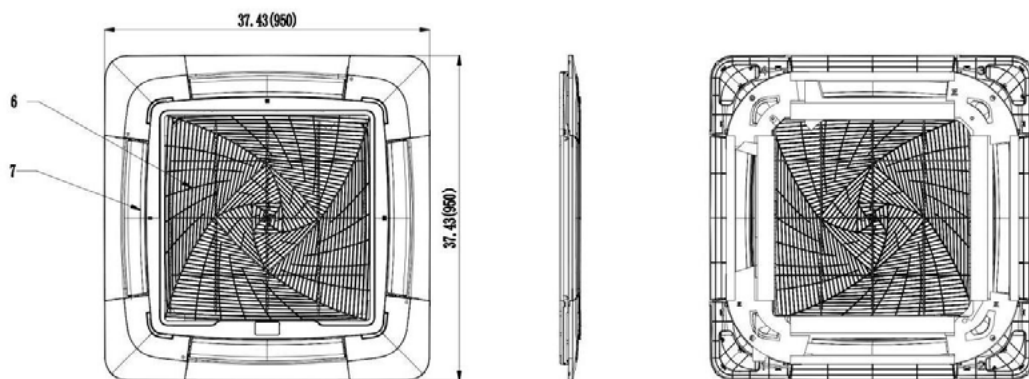
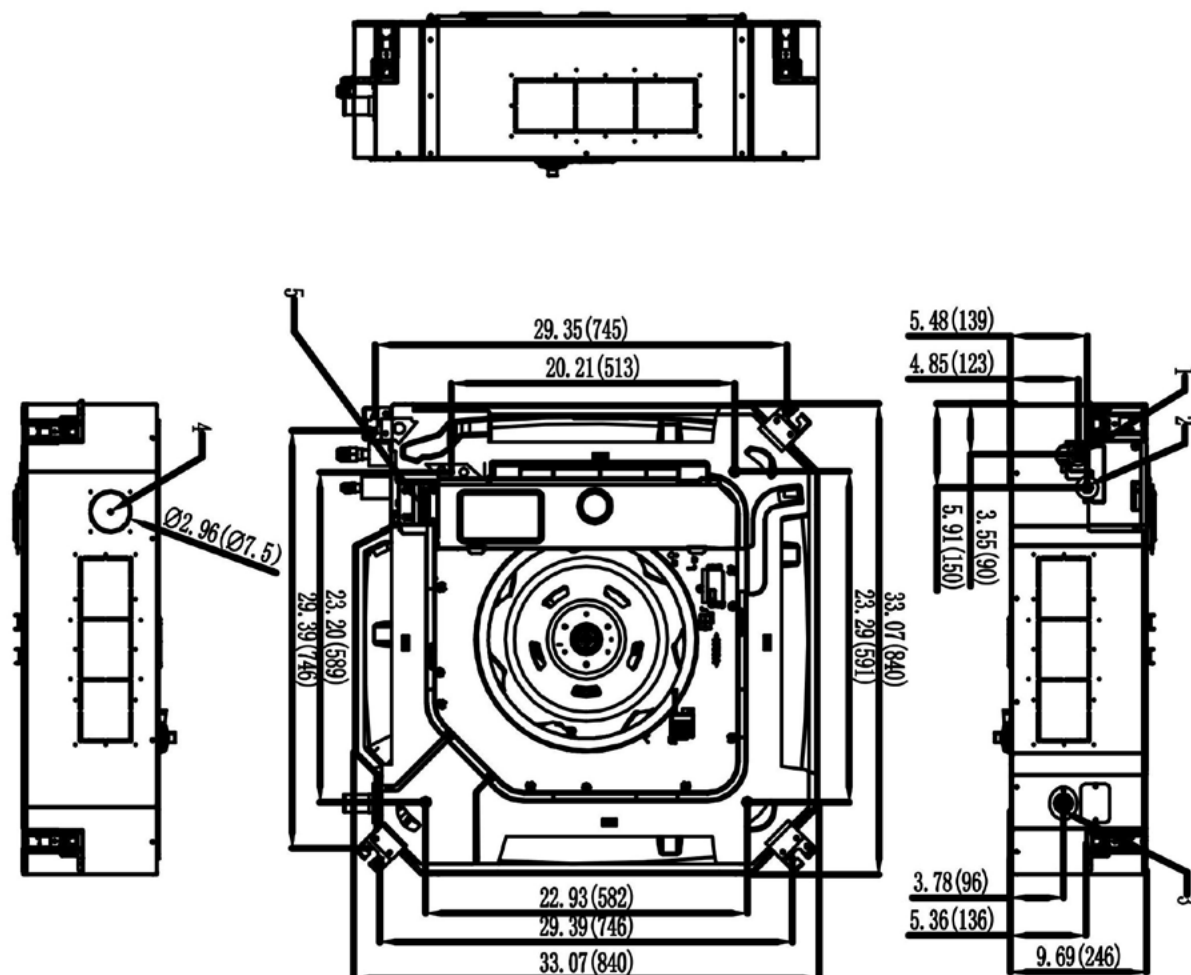
*Cooling capacities under low ambient temperatures below 23°F (-5°C) are tested when using wind baffle on outdoor unit.

1Q3036RT2BEA



Note: Dimensions are shown in inches (millimeters)

US36LB2BEA



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: _____

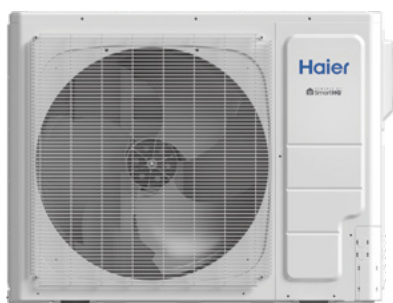
Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1Q3036RT2BEA



Indoor Model:
US36MB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB51WA
Side Wind Baffle	UASWB51WA
Back Wind Baffle	UAWB51WA
Top Cover	UATC51WA
Central Controller	UACT32A

Indoor Accessories

Wired Controller	QACT17B
Supply Plenum	UAPT3048A
MERV Return Air Filter Box	UAMFB3048A

Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23~115°F (-5~46°C)
	Heating	-22~75°F (-30~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	36,000
	Capacity Range Btu/hr	9,000~36,500
	SEER2 / EER2	17.4/9.8
	Rated Power Input W	3,675
Heating	Moisture Removal Pt./hr.	7.6
	Rated Heating Capacity 47°F Btu/hr	36,000
	Heating Capacity Range Btu/hr	9,000~36,500
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	9.5/7.4
	Rated Power Input W	2,850
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	40
Indoor Unit	Minimum Circuit Amp A	25
	Outdoor Noise Level dB	73
	Dimension: HxWxD in (mm)	33 1/16 x 43 1/8 x 19 7/8 (840 x 1095 x 505)
	Carton Dimension: HxWxD in (mm)	40 15/16 x 45 11/16 x 20 1/2 (1040 x 1160 x 520)
Indoor Unit	Weight (Net/Ship) - lbs (kg)	165.42/211.64 (75/96)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	1236/1130/953/812/688
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1010/970/850/760/700
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	46/45/41/38/36
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	1236/1130/953/812/688
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1010/970/850/760/700
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	46/45/41/38/36
	Dimension: H x W x D in (mm)	9 3/4 x 63 1/4 x 27 1/2 (248 x 1607 x 700)
	Carton Dimension: H x W x D in (mm)	13 7/8 x 67 3/8 x 34 (353 x 1712 x 860)
	Weight (Net/Ship) - lbs (kg)	115.08/158.29 (52.2/71.8)
Refrigerant Line	Drain Pipe Size O.D in*	1
	WiFi**	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	Yes
	Refrigerant	R454B
Refrigerant Line	Connections	Flare
	Liquid O.D. in	3/8
	Suction O.D. in	3/4
	Factory Charge Oz	109.4
Refrigerant Line	Maximum Line Length Ft / m	165/50
	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.

1Q3036RT2BEA/US36MB2BEA

Heating Capacity Data

TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																	
	60			65			70			75			80			86		
	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
-22°F (-30°C)	13,209	2,676	1.45	12,954	2,794	1.36	12,700	2,941	1.27	12,510	3,059	1.20	12,319	3,176	1.14	12,065	3,353	1.05
-15°F (-26°C)	18,346	3,112	1.73	17,993	3,249	1.62	17,640	3,420	1.51	17,375	3,557	1.43	17,111	3,694	1.36	16,758	3,899	1.26
-5°F (-21°C)	22,464	3,501	1.88	22,032	3,655	1.77	21,600	3,762	1.68	21,276	4,001	1.56	20,952	4,155	1.48	20,520	4,386	1.37
0°F (-18°C)	26,208	4,002	1.92	25,704	4,202	1.79	25,200	4,384	1.69	24,822	4,583	1.59	24,444	4,734	1.51	23,940	5,056	1.39
5°F (-15°C)	27,032	4,073	1.95	26,512	4,251	1.83	26,000	4,475	1.70	25,602	4,653	1.61	25,212	4,832	1.53	24,692	5,101	1.42
14°F (-10°C)	29,952	3,683	2.38	29,376	3,845	2.24	28,216	3,563	2.32	28,368	4,209	1.98	27,936	4,371	1.87	27,360	4,614	1.74
23°F (-5°C)	31,824	2,853	3.27	31,212	2,978	3.07	30,600	3,278	2.74	30,141	3,260	2.71	29,682	3,386	2.57	29,070	3,574	2.38
32°F (0°C)	35,568	2,983	3.50	34,884	3,114	3.28	34,200	3,278	3.06	33,687	3,409	2.90	33,174	3,540	2.75	32,490	3,736	2.55
41°F (5°C)	39,312	3,164	3.64	38,556	3,303	3.42	37,800	3,477	3.19	37,233	3,616	3.02	36,666	3,755	2.86	35,910	3,964	2.66
47°F (8°C)	37,440	2,594	4.23	36,720	2,708	3.97	36,000	2,850	3.70	35,460	2,964	3.51	34,920	3,078	3.33	34,200	3,249	3.09
55°F (13°C)	39,312	2,516	4.58	38,556	2,626	4.30	37,800	2,765	4.01	37,233	2,875	3.80	36,666	2,986	3.60	35,910	3,152	3.34
65°F (18°C)	43,056	2,723	4.63	42,228	2,843	4.35	41,400	2,993	4.05	40,779	3,112	3.84	40,158	3,232	3.64	39,330	3,411	3.38
75°F (24°C)	46,800	2,931	4.68	45,900	3,059	4.40	45,000	3,221	4.10	44,325	3,349	3.88	43,650	3,478	3.68	42,750	3,671	3.41
86°F (30°C)	50,544	3,164	4.68	49,572	3,303	4.40	48,600	3,477	4.10	47,871	3,616	3.88	47,142	3,755	3.68	46,170	3,964	3.41

Cooling Capacity Data

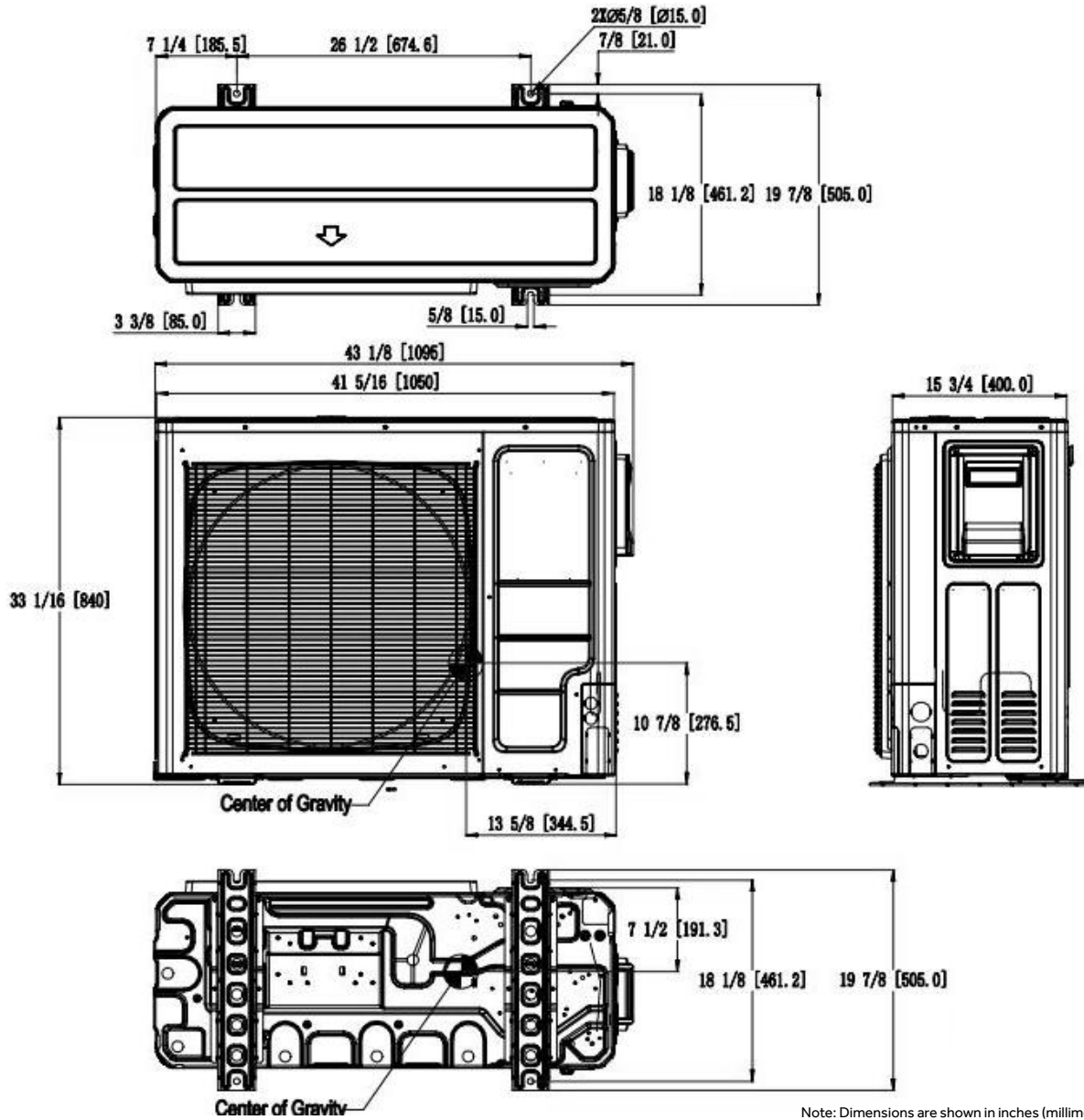
TC: Total Capacity PI: Power Input

Outdoor Air Temp DB	Indoor Temperature (°F, DB)																				
	60 / 50			64 / 53			70 / 57			75 / 62			80 / 67			86 / 72			90 / 75		
	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
23°F (-5°C)	24,892	1,691	4.31	26,202	1,709	4.49	28,167	1,726	4.78	30,132	1,744	5.06	32,752	1,762	5.45	34,717	1,779	5.72	36,355	1,797	5.93
32°F (0°C)	26,515	2,184	3.56	27,910	2,207	3.71	30,004	2,230	3.94	32,097	2,253	4.18	34,888	2,275	4.49	36,981	2,298	4.72	38,726	2,321	4.89
50°F (10°C)	27,597	2,501	3.23	29,050	2,528	3.37	31,228	2,554	3.58	33,407	2,580	3.80	36,312	2,606	4.08	38,491	2,632	4.29	40,306	2,658	4.44
68°F (20°C)	31,114	2,995	3.05	32,752	3,026	3.17	35,208	3,057	3.38	37,665	3,088	3.57	40,940	3,120	3.85	43,396	3,151	4.04	45,443	3,182	4.19
86°F (30°C)	30,573	3,664	2.45	32,182	3,702	2.55	34,596	3,740	2.71	37,010	3,779	2.87	40,228	3,817	3.09	42,642	3,855	3.24	44,653	3,893	3.36
95°F (35°C)	27,056	3,523	2.25	28,480	3,560	2.34	30,616	3,597	2.49	32,752	3,633	2.64	36,000	3,675	2.87	37,736	3,707	2.98	39,516	3,743	3.09
104°F (40°C)	26,515	4,052	1.92	27,910	4,094	2.00	30,004	4,136	2.13	32,097	4,178	2.25	34,888	4,221	2.42	36,981	4,263	2.54	38,726	4,305	2.64
110°F (43°C)	25,703	4,298	1.75	27,056	4,343	1.83	29,085	4,388	1.94	31,114	4,433	2.06	33,820	4,477	2.21	35,849	4,522	2.32	37,540	4,567	2.41
115°F (46°C)	24,892	4,510	1.62	26,202	4,557	1.69	28,167	4,604	1.79	30,132	4,651	1.90	32,752	4,698	2.04	34,717	4,745	2.14	36,355	4,792	2.22

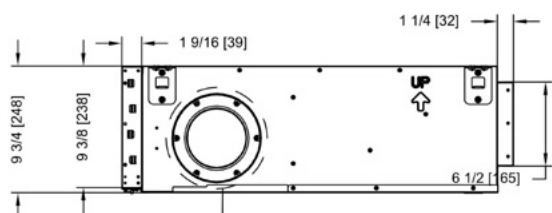
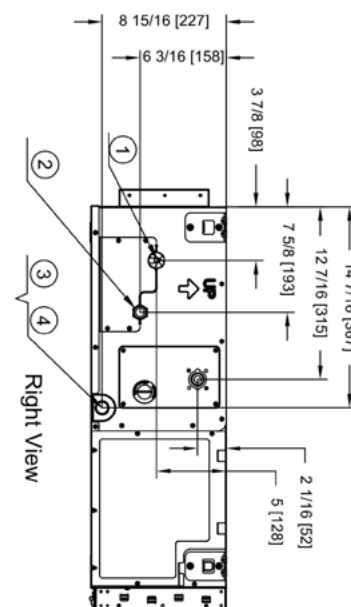
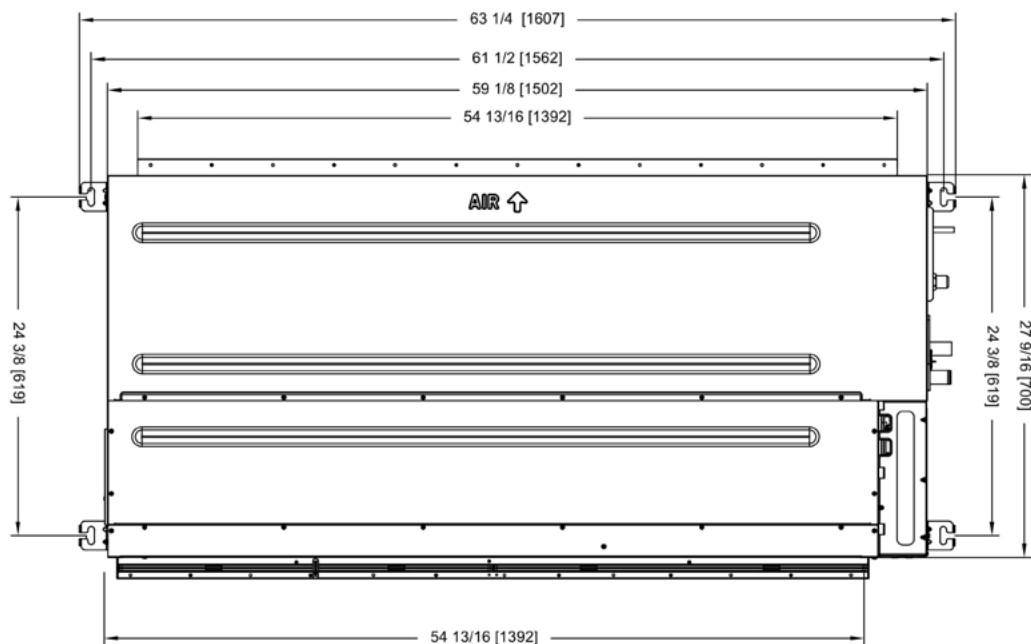
Heating and cooling capacities and power usage are measured under the assumption of indoor humidity of 46%.

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

1Q3036RT2BEA

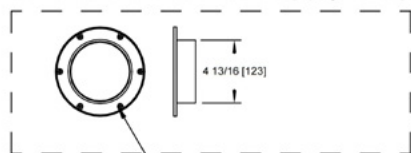


US36MB2BEA



Left View

Reversible fresh air supply adapter



knock out

No.	Parts Name	Notes
1	Gas pipe connection	
2	Liquid pipe connection	
3	Drain pipe	OD. Diameter: , ID. Diameter:
4	Matching drain hose	

Note: Dimensions are shown in inches (millimeters)

SUBMITTAL REVISION HISTORY

07-11-25: *Submittal release.*