



GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM HIGHWALL

12K

SUBMITTAL

Job Name: _____
Purchaser: _____
Submitted To: _____
Construction: _____
Reference: _____

Approval: _____
Date: _____
Submitted By: _____
Unit: _____
Drawing #: _____



Outdoor Model:
1G12ED2BEA



Indoor Model:
GS12WP2BEA



Outdoor Accessories

Front Wind Baffle	UAWB15GA
Side Wind Baffle	UASWB15GA
Back Wind Baffle	UAWB15GA
Top Cover	UATC20GA
Central Controller	UACT32A

Indoor Accessories

Wired Controller	GACT17B
Refrigerant Detection Sensor (RDS)	UALS01A
Remote Controller	WJ26X35396

Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23~115°F (-5~46°C)
	Heating	-31~75°F (-35~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	12,000
	Capacity Range Btu/hr	4,200~13,000
	SEER2 / EER2	25/12.5
	Rated Power Input W	960
Heating	Moisture Removal Pt./hr.	3.8
	Rated Heating Capacity 47°F Btu/hr	14,500
	Heating Capacity Range Btu/hr	3,600~15,500
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	11/8
	Rated Power Input W	1,328
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	20
Indoor Unit	Minimum Circuit Amp A	14
	Outdoor Noise Level dB	55
	Dimension: HxWxD in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: HxWxD 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)	88.15/100.4 (39.95/45.5)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	410/370/280/210/170
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	1300/1250/1050/850/610
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	46/44/38/32/25
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	420/390/350/310/180
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	1300/1250/1150/1050/610
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	43/42/39/36/25
	Dimension: H x W x D in (mm)	12 1/4 x 36 x 8 3/8 (312 x 914 x 213)
	Carton Dimension: H x W x D in (mm)	11 7/8 x 38 5/8 x 15 5/8 (302 x 982 x 396)
	Weight (Net/Ship) - lbs (kg)	24.49/30.56 (11.1/13.85)
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	1/4
	Suction O.D. in	3/8
Refrigerant Line	Factory Charge Oz	50.1
	Maximum Line Length Ft / m	66/20
	Maximum Height Ft / m	33/10

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

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1G12ED2BEA / GS12WP2BEA

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
-31°F (-35°C)	6,559	1,293	1.49	6,165	1,319	1.37	5,980	1,346	1.30	5,800	1,374	1.24	5,626	1,402	1.18	5,456	1,430	1.12	5,129	1,460	1.03
-22°F (-30°C)	7,915	1,521	1.53	7,441	1,552	1.41	7,217	1,584	1.34	7,000	1,616	1.27	6,790	1,649	1.21	6,585	1,683	1.15	6,190	1,717	1.06
-15°F (-26°C)	11,960	2,028	1.73	11,243	2,069	1.59	10,905	2,112	1.51	10,577	2,155	1.44	10,259	2,199	1.37	9,950	2,244	1.30	9,354	2,289	1.20
-5°F (-21°C)	13,551	2,091	1.90	12,738	2,133	1.75	12,355	2,177	1.66	11,984	2,221	1.58	11,623	2,267	1.50	11,274	2,313	1.43	10,598	2,360	1.32
0°F (-18°C)	14,906	2,155	2.03	14,012	2,199	1.87	13,591	2,244	1.77	13,182	2,290	1.69	12,786	2,337	1.60	12,401	2,385	1.52	11,657	2,433	1.40
5°F (-15°C)	16,396	2,222	2.16	15,413	2,268	1.99	14,950	2,314	1.89	14,500	2,361	1.80	14,064	2,409	1.71	13,641	2,458	1.63	12,823	2,509	1.50
14°F (-10°C)	16,560	1,955	2.48	15,567	1,995	2.29	15,099	2,036	2.17	14,645	2,077	2.07	14,205	2,120	1.96	13,778	2,163	1.87	12,951	2,207	1.72
23°F (-5°C)	16,726	1,720	2.85	15,723	1,756	2.62	15,250	1,791	2.50	14,791	1,828	2.37	14,347	1,865	2.25	13,915	1,903	2.14	13,081	1,942	1.97
32°F (0°C)	16,893	1,514	3.27	15,880	1,545	3.01	15,402	1,576	2.86	14,939	1,608	2.72	14,490	1,641	2.59	14,054	1,675	2.46	13,212	1,709	2.27
41°F (5°C)	17,062	1,530	3.27	16,039	1,561	3.01	15,556	1,593	2.86	15,089	1,625	2.72	14,635	1,659	2.59	14,195	1,692	2.46	13,344	1,727	2.26
47°F (8°C)	16,396	1,250	3.84	15,413	1,275	3.54	14,950	1,301	3.37	14,500	1,328	3.20	14,064	1,355	3.04	13,641	1,383	2.89	12,823	1,411	2.66
55°F (13°C)	16,724	1,256	3.90	15,721	1,282	3.59	15,248	1,308	3.42	14,790	1,335	3.25	14,345	1,362	3.09	13,914	1,390	2.93	13,079	1,418	2.70
65°F (18°C)	17,058	1,262	3.96	16,035	1,288	3.65	15,553	1,315	3.47	15,086	1,341	3.30	14,632	1,369	3.13	14,192	1,397	2.98	13,341	1,425	2.74
75°F (24°C)	17,399	1,269	4.02	16,356	1,295	3.70	15,864	1,321	3.52	15,387	1,348	3.35	14,924	1,376	3.18	14,476	1,404	3.02	13,608	1,432	2.78

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
23°F (-5°C)	4,277	773	5.53	4,462	745	5.99	4,655	718	6.49	4,857	692	7.02	5,067	666	7.61	5,286	642	8.24	5,515	618	8.92
32°F (0°C)	5,560	851	6.54	5,800	820	7.08	6,051	790	7.66	6,313	761	8.30	6,587	733	8.99	6,872	706	9.73	7,170	680	10.54
50°F (10°C)	7,227	927	7.79	7,540	893	8.44	7,867	861	9.14	8,208	829	9.90	8,563	799	10.72	8,934	770	11.61	9,320	741	12.57
68°F (20°C)	9,396	1,001	9.38	9,803	965	10.16	10,227	929	11.00	10,670	895	11.92	11,132	863	12.90	11,614	831	13.97	12,117	801	15.13
86°F (30°C)	10,335	1,072	9.64	10,783	1,032	10.44	11,250	995	11.31	11,737	958	12.25	12,245	923	13.27	12,775	889	14.37	13,328	857	15.56
95°F (35°C)	10,129	1,114	9.09	10,567	1,074	9.84	11,025	1,034	10.66	11,502	996	11.54	12,000	960	12.50	12,520	925	13.54	13,062	891	14.66
104°F (40°C)	9,926	1,159	8.56	10,356	1,117	9.27	10,804	1,076	10.04	11,272	1,036	10.88	11,760	998	11.78	12,269	962	12.76	12,800	927	13.81
110°F (43°C)	9,827	1,182	8.31	10,252	1,139	9.00	10,696	1,097	9.75	11,159	1,057	10.56	11,642	1,018	11.43	12,146	981	12.38	12,672	945	13.41
115°F (46°C)	9,729	1,218	7.99	10,150	1,173	8.65	10,589	1,130	9.37	11,048	1,089	10.15	11,526	1,049	10.99	12,025	1,011	11.90	12,546	974	12.89

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.

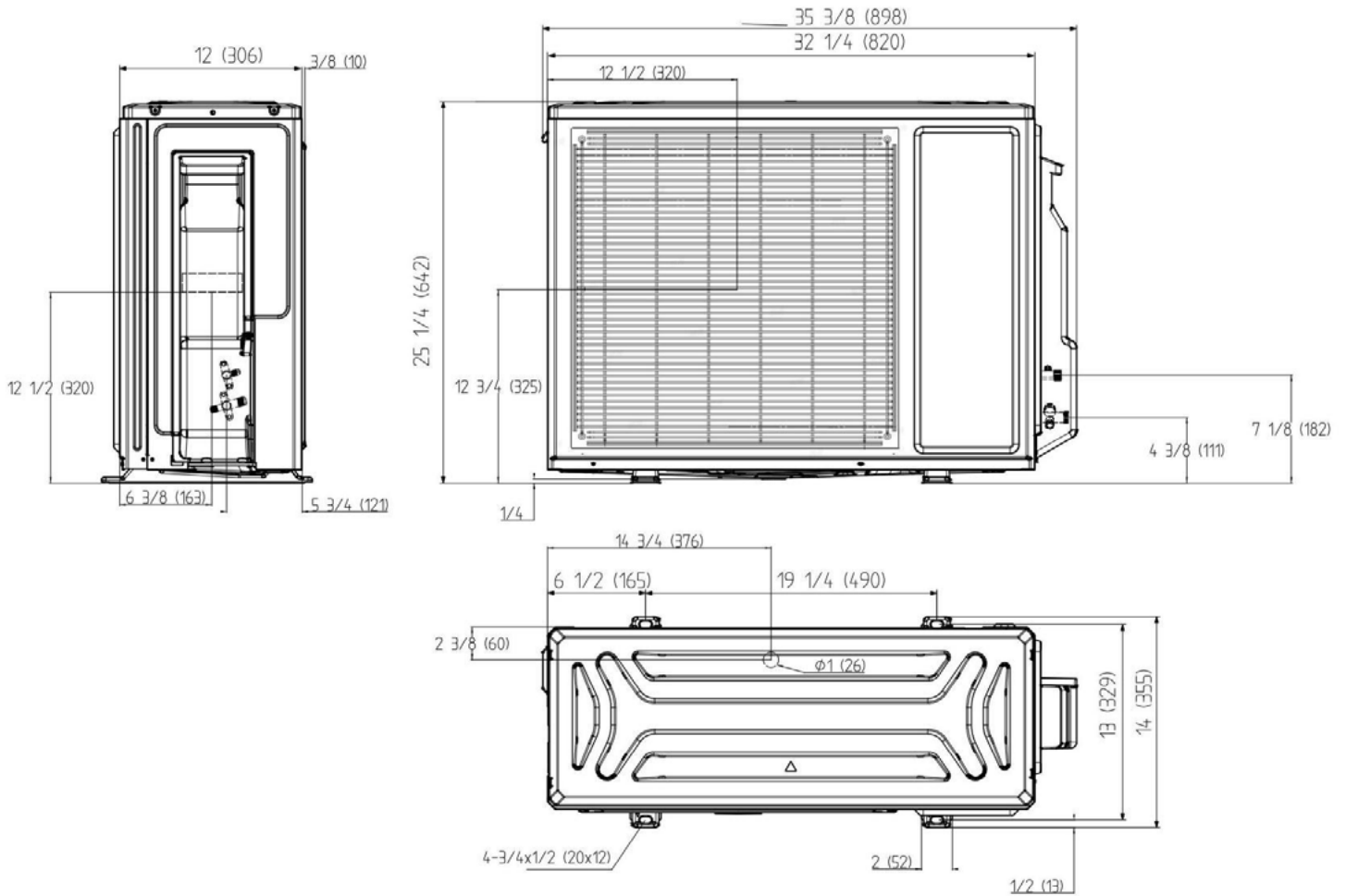


GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM HIGHWALL

12K

1G12ED2BEA



Note: Dimensions are shown in inches (millimeters)

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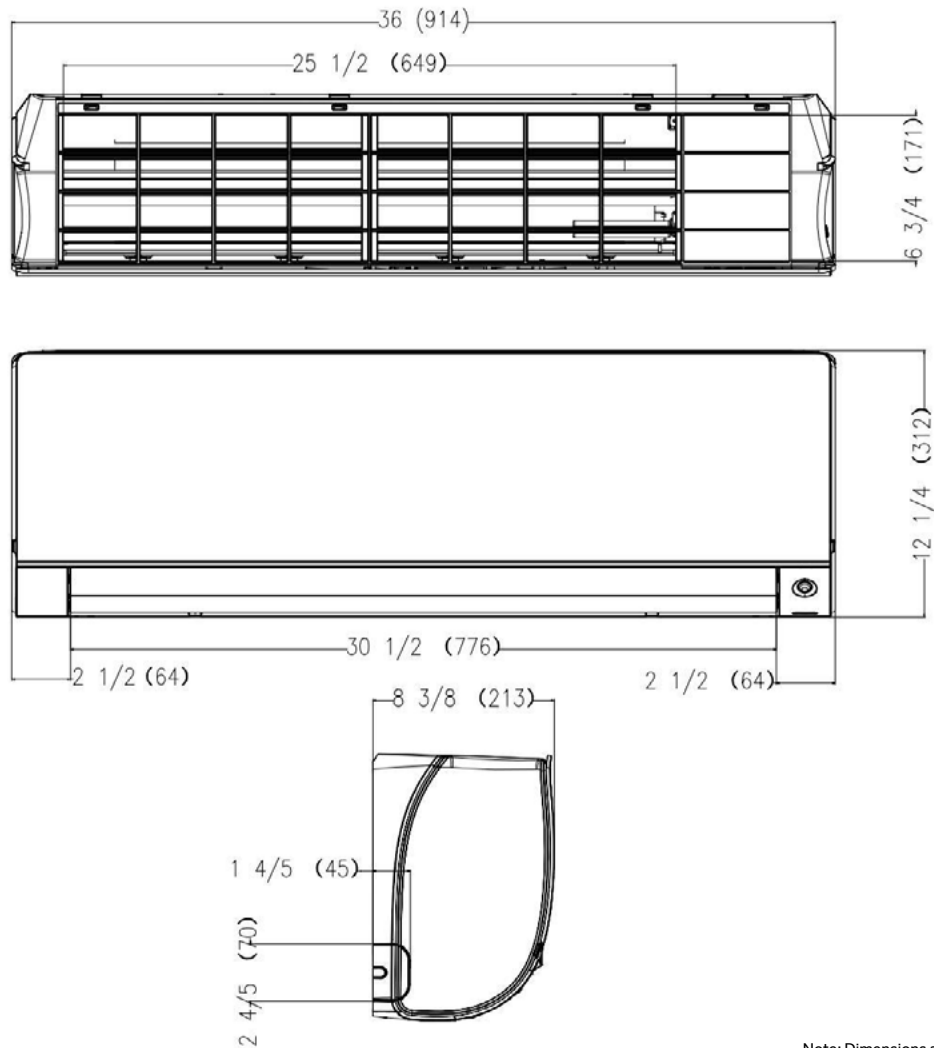


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GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CASSETTE

12K

SUBMITTAL

Job Name: _____
Purchaser: _____
Submitted To: _____
Construction: _____
Reference: _____

Approval: _____
Date: _____
Submitted By: _____
Unit: _____
Drawing #: _____



Outdoor Model:
1G12ED2BEA



Indoor Model:
US12CB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB15GA
Side Wind Baffle	UASWB15GA
Back Wind Baffle	UAWB15GA
Top Cover	UATC20GA
Central Controller	UACT32A

Indoor Accessories

Cassette Panel (Required)	GACCP01GA
Wired Controller	GACT17B
Refrigerant Detection Sensor (RDS)	UALS01A
Remote Controller	WJ26X35396

Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23~115°F (-5~46°C)
	Heating	-31~75°F (-35~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	12,000
	Capacity Range Btu/hr	3,000-13,000
	SEER2 / EER2	20/12
	Rated Power Input W	1,000
Heating	Moisture Removal Pt./hr.	3.5
	Rated Heating Capacity 47°F Btu/hr	12,500
	Heating Capacity Range Btu/hr	3,000-14,000
	COP 5°F	1.8
	HSPF2 (IV) / HSPF2 (V)	10.0/8.0
Outdoor Unit	Rated Power Input W	1,046
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	20
	Minimum Circuit Amp A	14
	Outdoor Noise Level dB	55
	Dimension: HxWxD in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
Indoor Unit	Carton Dimension: HxWxD in (mm)	27 1/4 x 37 1/4 x 15 3/8 (691 x 945 x 392)
	Weight (Net/Ship) - lbs (kg)	88.15/100.4 (39.95/45.5)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	440/387/351/320/290
	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	830/760/690/620/560
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	45/42/40/36/32
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	440/387/351/320/290
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	830/760/690/620/560
	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	45/42/40/36/32
	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)
	Drain Pipe Size O.D in	1
Refrigerant Line	WiFi*	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	No
	Refrigerant Detection Sensor (RDS) Compatible	Yes
	Refrigerant	R454B
	Connections	Flare
	Liquid O.D. in	1/4
Refrigerant Line	Suction O.D. in	3/8
	Factory Charge Oz	50.1
	Maximum Line Length Ft / m	66/20
	Maximum Height Ft / m	33/10

Condensate drain adapter shipped with indoor unit is designed to accept a 3/4" PVC pipe.
*WiFi includes SmartHQ™ Home and SmartHQ™ Service compatibility.

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1G12ED2BEA / US12CB2BEA

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
-31°F (-35°C)	4,416	986	1.31	4,352	1,029	1.24	4,288	1,083	1.16	4,202	1,126	1.09	4,116	1,169	1.03	4,031	1,234	0.96
-22°F (-30°C)	5,363	1,040	1.51	5,284	1,086	1.43	5,206	1,143	1.34	5,103	1,188	1.26	4,998	1,234	1.19	4,894	1,302	1.10
-15°F (-26°C)	6,309	1,095	1.69	6,217	1,143	1.59	6,125	1,203	1.49	6,003	1,251	1.41	5,880	1,299	1.33	5,758	1,371	1.23
-5°F (-21°C)	7,596	1,199	1.86	7,486	1,252	1.75	7,375	1,318	1.64	7,228	1,371	1.55	7,080	1,423	1.46	6,933	1,502	1.35
0°F (-18°C)	8,884	1,295	2.01	8,754	1,351	1.90	8,625	1,423	1.78	8,453	1,479	1.67	8,280	1,536	1.58	8,108	1,622	1.47
5°F (-15°C)	10,300	1,485	2.03	10,150	1,550	1.92	10,000	1,632	1.80	9,800	1,697	1.69	9,600	1,762	1.60	9,400	1,860	1.48
14°F (-10°C)	10,558	1,285	2.41	10,404	1,341	2.27	10,250	1,412	2.13	10,045	1,469	2.00	9,840	1,525	1.89	9,635	1,610	1.75
23°F (-5°C)	11,716	1,085	3.16	11,546	1,133	2.99	11,375	1,192	2.80	11,148	1,240	2.63	10,920	1,288	2.49	10,693	1,359	2.31
32°F (0°C)	12,103	1,047	3.39	11,926	1,093	3.20	11,750	1,151	2.99	11,515	1,197	2.82	11,280	1,243	2.66	11,045	1,312	2.47
41°F (5°C)	13,261	1,038	3.75	13,068	1,083	3.54	12,875	1,140	3.31	12,618	1,186	3.12	12,360	1,231	2.94	12,103	1,300	2.73
47°F (8°C)	12,875	952	3.96	12,688	994	3.74	12,500	1,046	3.50	12,250	1,088	3.30	12,000	1,130	3.11	11,750	1,192	2.89
55°F (13°C)	12,553	809	4.55	12,370	845	4.29	12,188	889	4.02	11,944	925	3.79	11,700	960	3.57	11,456	1,014	3.31
65°F (18°C)	13,133	685	5.62	12,941	715	5.30	12,750	753	4.96	12,495	783	4.68	12,240	813	4.41	11,985	859	4.09
75°F (24°C)	13,776	742	5.44	13,576	775	5.13	13,375	816	4.80	13,108	849	4.53	12,840	881	4.27	12,573	930	3.96
86°F (30°C)	15,193	781	5.70	14,971	815	5.38	14,750	858	5.04	14,455	892	4.75	14,160	926	4.48	13,865	978	4.16

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)	7,484	333	6.59	7,970	343	6.81	8,456	354	7.01	9,040	364	7.28	9,720	374	7.62	10,303	384	7.86	10,789	395	8.01
32°F (0°C)	8,224	389	6.20	8,758	399	6.43	9,292	410	6.65	9,932	420	6.93	10,680	430	7.28	11,321	441	7.52	11,855	451	7.70
50°F (10°C)	9,610	449	6.27	10,234	460	6.52	10,858	471	6.76	11,606	482	7.06	12,480	492	7.43	13,229	502	7.72	13,853	513	7.91
68°F (20°C)	10,256	648	4.64	10,922	659	4.86	11,588	670	5.07	12,388	680	5.34	13,320	691	5.65	14,119	702	5.89	14,785	712	6.09
86°F (30°C)	9,563	850	3.30	10,184	861	3.47	10,805	872	3.63	11,551	883	3.83	12,420	893	4.08	13,165	904	4.27	13,786	915	4.42
95°F (35°C)	9,240	957	2.83	9,840	968	2.98	10,440	979	3.13	11,160	990	3.30	12,000	1,000	3.52	12,720	1,012	3.68	13,320	1,023	3.82
104°F (40°C)	7,946	946	2.46	8,462	957	2.59	8,978	968	2.72	9,598	979	2.87	10,320	990	3.06	10,939	1,001	3.20	11,455	1,012	3.32
110°F (43°C)	7,762	1,012	2.25	8,266	1,023	2.37	8,770	1,034	2.49	9,374	1,045	2.63	10,080	1,056	2.80	10,685	1,067	2.93	11,189	1,078	3.04
115°F (46°C)	7,484	1,078	2.03	7,970	1,089	2.15	8,456	1,100	2.25	9,040	1,111	2.38	9,720	1,122	2.54	10,303	1,133	2.67	10,789	1,144	2.76

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.

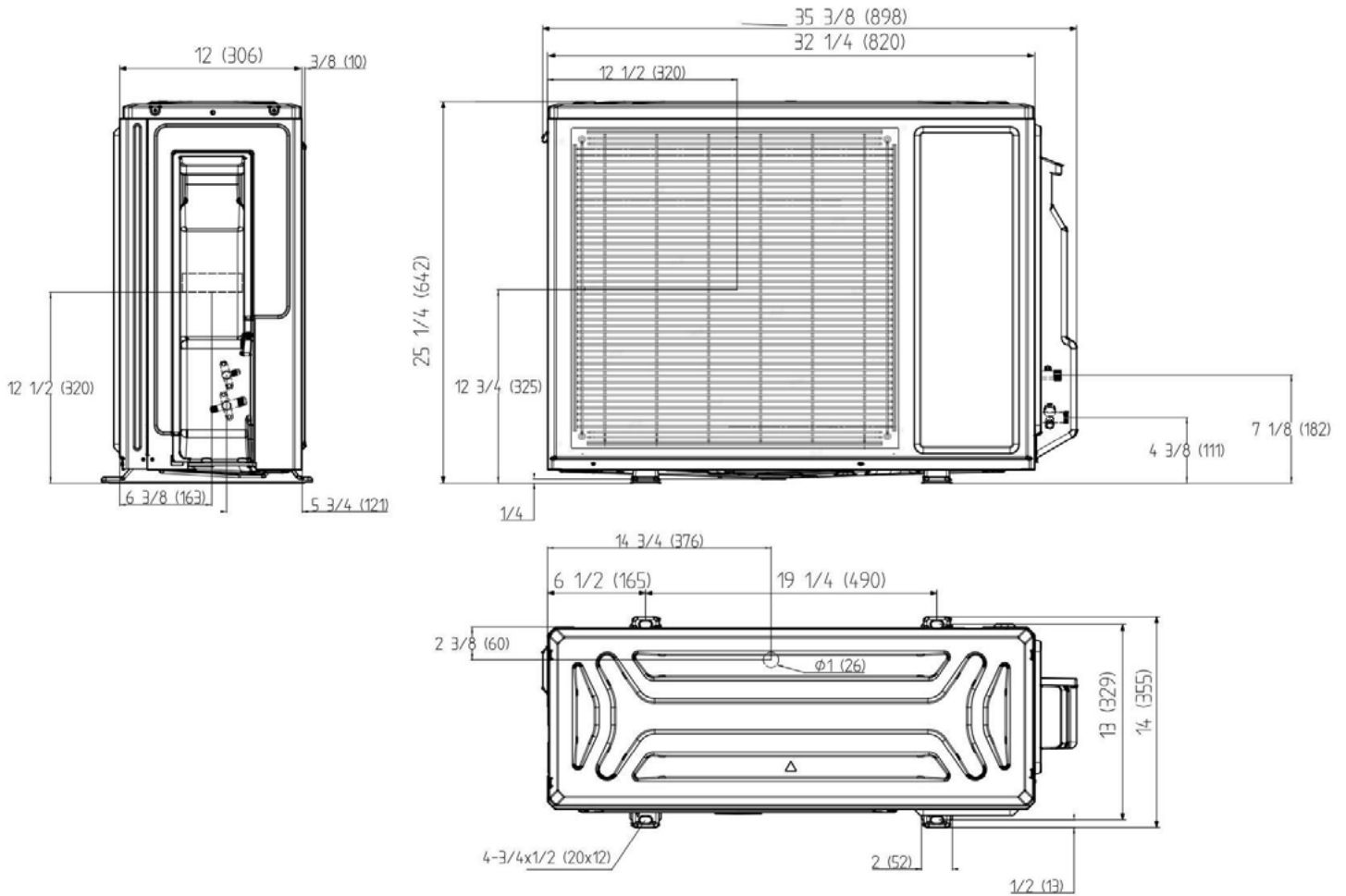


GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CASSETTE

12K

1G12ED2BEA



Note: Dimensions are shown in inches (millimeters)

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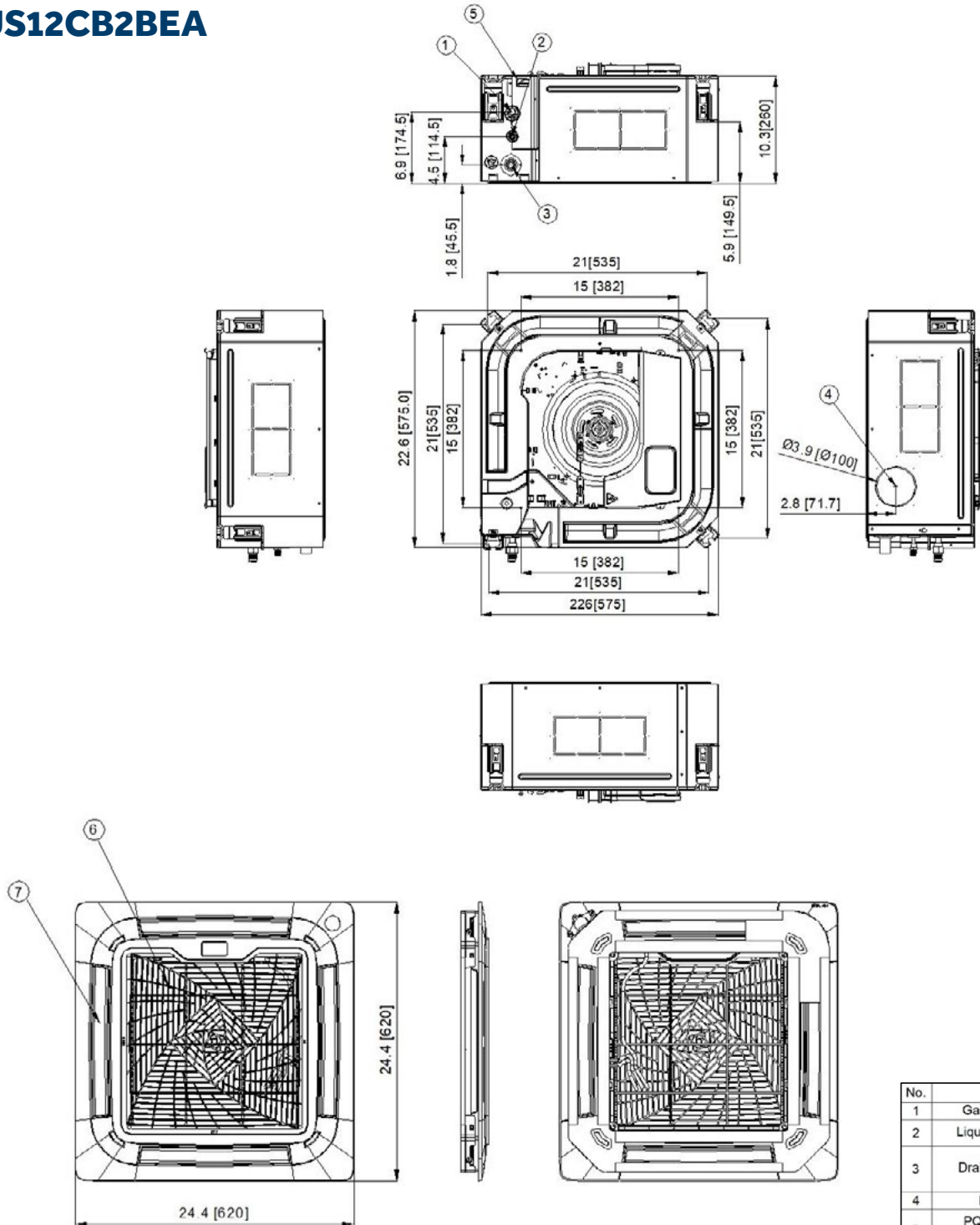


GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CASSETTE

12K

US12CB2BEA



Note: Dimensions are shown in inches (millimeters)

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	

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GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CONSOLE

12K

SUBMITTAL

Job Name: _____
Purchaser: _____
Submitted To: _____
Construction: _____
Reference: _____

Approval: _____
Date: _____
Submitted By: _____
Unit: _____
Drawing #: _____



Outdoor Model:
1G12ED2BEA



Indoor Model:
US12FB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB15GA
Side Wind Baffle	UASWB15GA
Back Wind Baffle	UAWB15GA
Top Cover	UATC20GA
Central Controller	UACT32A

Indoor Accessories

Wired Controller	GACT17B
Remote Controller	WJ26X35813

Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23~115°F (-5~46°C)
	Heating	-31~75°F (-35~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	12,000
	Capacity Range Btu/hr	3,000-13,500
	SEER2 / EER2	20/12
	Rated Power Input W	1,000
Heating	Moisture Removal Pt./hr.	3.4
	Rated Heating Capacity 47°F Btu/hr	12,300
	Heating Capacity Range Btu/hr	2,500-13,000
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	9.5/7.2
	Rated Power Input W	1,162
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	20
Indoor Unit	Minimum Circuit Amp A	14
	Outdoor Noise Level dB	55
	Dimension: HxWxD in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: HxWxD 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)	88.15/100.4 (39.95/45.5)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	314/226/210/195/175
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	800/590/510/440/390
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	47/41/37/33/25
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	311/223/200/195/175
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	800/590/510/440/390
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	47/40/37/33/25
	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)	27 1/2 x 30 3/4 x 12 (700 x 780 x 300)
	Weight (Net/Ship) - lbs (kg)	32.41/43.43 (14.7/19.7)
Refrigerant Line	Drain Pipe Size O.D in	5/8
	WiFi*	Built-in
	Factory-Installed Refrigerant Detection Sensor (RDS)	Yes
	Refrigerant	R454B
Refrigerant Line	Connections	Flare
	Liquid O.D. in	1/4
	Suction O.D. in	3/8
	Factory Charge Oz	50.1
Refrigerant Line	Maximum Line Length Ft / m	66/20
	Maximum Height Ft / m	33/10

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

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GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CONSOLE

12K

1G12ED2BEA / US12FB2BEA

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
-31°F (-35°C)	4,168	932	1.31	4,108	974	1.24	4,047	1,025	1.16	3,966	1,066	1.09	3,885	1,107	1.03	3,804	1,168	0.95
-22°F (-30°C)	5,061	984	1.51	4,988	1,028	1.42	4,914	1,082	1.33	4,815	1,125	1.25	4,718	1,169	1.18	4,619	1,233	1.10
-15°F (-26°C)	5,954	1,036	1.68	5,868	1,082	1.59	5,781	1,139	1.49	5,665	1,184	1.40	5,550	1,230	1.32	5,434	1,298	1.23
-5°F (-21°C)	7,855	1,311	1.76	7,740	1,369	1.66	7,626	1,441	1.55	7,473	1,499	1.46	7,321	1,556	1.38	7,168	1,643	1.28
0°F (-18°C)	9,248	1,459	1.86	9,114	1,523	1.75	8,979	1,604	1.64	8,799	1,668	1.55	8,620	1,732	1.46	8,440	1,828	1.35
5°F (-15°C)	10,300	1,480	2.04	10,150	1,545	1.92	10,000	1,627	1.80	9,800	1,692	1.70	9,600	1,757	1.60	9,400	1,855	1.49
14°F (-10°C)	9,882	1,248	2.32	9,738	1,303	2.19	9,594	1,371	2.05	9,402	1,426	1.93	9,210	1,481	1.82	9,018	1,563	1.69
23°F (-5°C)	11,529	1,205	2.80	11,361	1,258	2.65	11,193	1,325	2.48	10,969	1,378	2.33	10,745	1,431	2.20	10,521	1,510	2.04
32°F (0°C)	11,909	1,163	3.00	11,735	1,214	2.83	11,562	1,278	2.65	11,331	1,329	2.50	11,100	1,380	2.36	10,868	1,457	2.19
41°F (5°C)	13,049	1,153	3.32	12,859	1,203	3.13	12,669	1,267	2.93	12,416	1,317	2.76	12,162	1,368	2.61	11,909	1,444	2.42
47°F (8°C)	12,669	1,057	3.51	12,485	1,104	3.31	12,300	1,162	3.10	12,054	1,208	2.92	11,808	1,255	2.76	11,562	1,325	2.56
55°F (13°C)	12,162	899	3.97	11,985	938	3.74	11,808	988	3.50	11,572	1,027	3.30	11,336	1,067	3.11	11,100	1,126	2.89
65°F (18°C)	12,542	761	4.83	12,360	795	4.56	12,177	837	4.27	11,933	870	4.02	11,690	904	3.79	11,446	954	3.52
75°F (24°C)	13,049	825	4.64	12,859	861	4.38	12,669	906	4.10	12,416	943	3.86	12,162	979	3.64	11,909	1,033	3.38
86°F (30°C)	13,556	867	4.58	13,358	905	4.33	13,161	953	4.05	12,898	991	3.81	12,635	1,029	3.60	12,371	1,086	3.34

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)	7,478	260	8.43	7,872	270	8.55	8,462	280	8.86	9,053	290	9.15	9,840	300	9.61	10,430	310	9.86	10,922	320	10.00
32°F (0°C)	8,390	310	7.93	8,832	320	8.09	9,494	330	8.43	10,157	340	8.76	11,040	350	9.24	11,702	360	9.53	12,254	370	9.71
50°F (10°C)	8,938	360	7.28	9,408	370	7.45	10,114	380	7.80	10,819	390	8.13	11,760	400	8.62	12,466	410	8.91	13,054	420	9.11
68°F (20°C)	9,667	560	5.06	10,176	570	5.23	10,939	580	5.53	11,702	590	5.81	12,720	600	6.21	13,483	610	6.48	14,119	620	6.67
86°F (30°C)	9,394	760	3.62	9,888	770	3.76	10,630	780	3.99	11,371	790	4.22	12,360	800	4.53	13,102	810	4.74	13,720	820	4.90
95°F (35°C)	9,120	960	2.78	9,600	970	2.90	10,320	980	3.09	11,040	990	3.27	12,000	1,000	3.52	12,720	1,010	3.69	13,320	1,020	3.83
104°F (40°C)	7,843	950	2.42	8,256	960	2.52	8,875	970	2.68	9,494	980	2.84	10,320	990	3.06	10,939	1,000	3.21	11,455	1,010	3.32
110°F (43°C)	7,478	1,000	2.19	7,872	1,010	2.28	8,462	1,020	2.43	9,053	1,030	2.58	9,840	1,040	2.77	10,430	1,050	2.91	10,922	1,060	3.02
115°F (46°C)	7,114	1,070	1.95	7,488	1,080	2.03	8,050	1,090	2.16	8,611	1,100	2.29	9,360	1,110	2.47	9,922	1,120	2.60	10,390	1,130	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.

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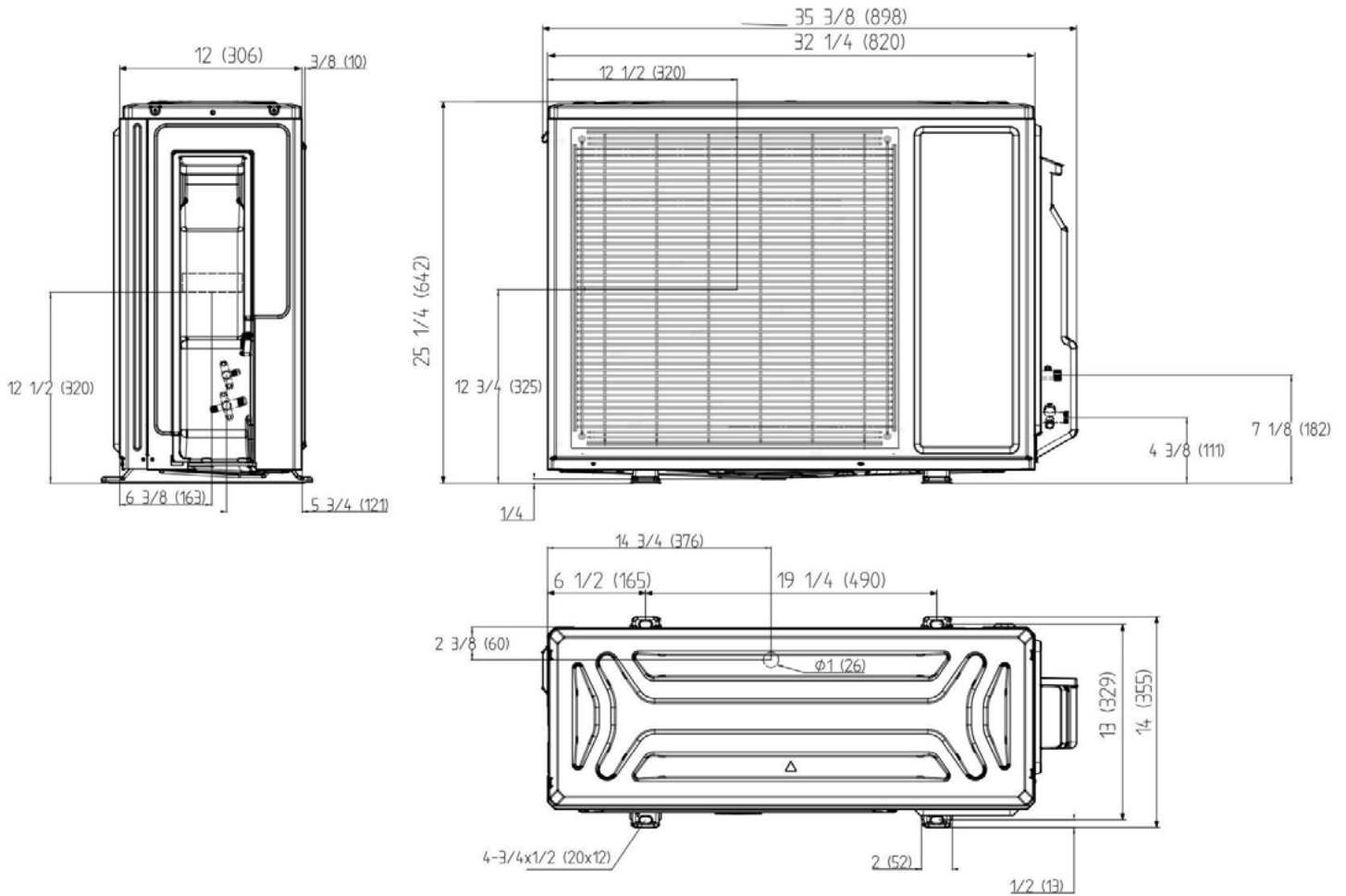


GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CONSOLE

12K

1G12ED2BEA



Note: Dimensions are shown in inches (millimeters)

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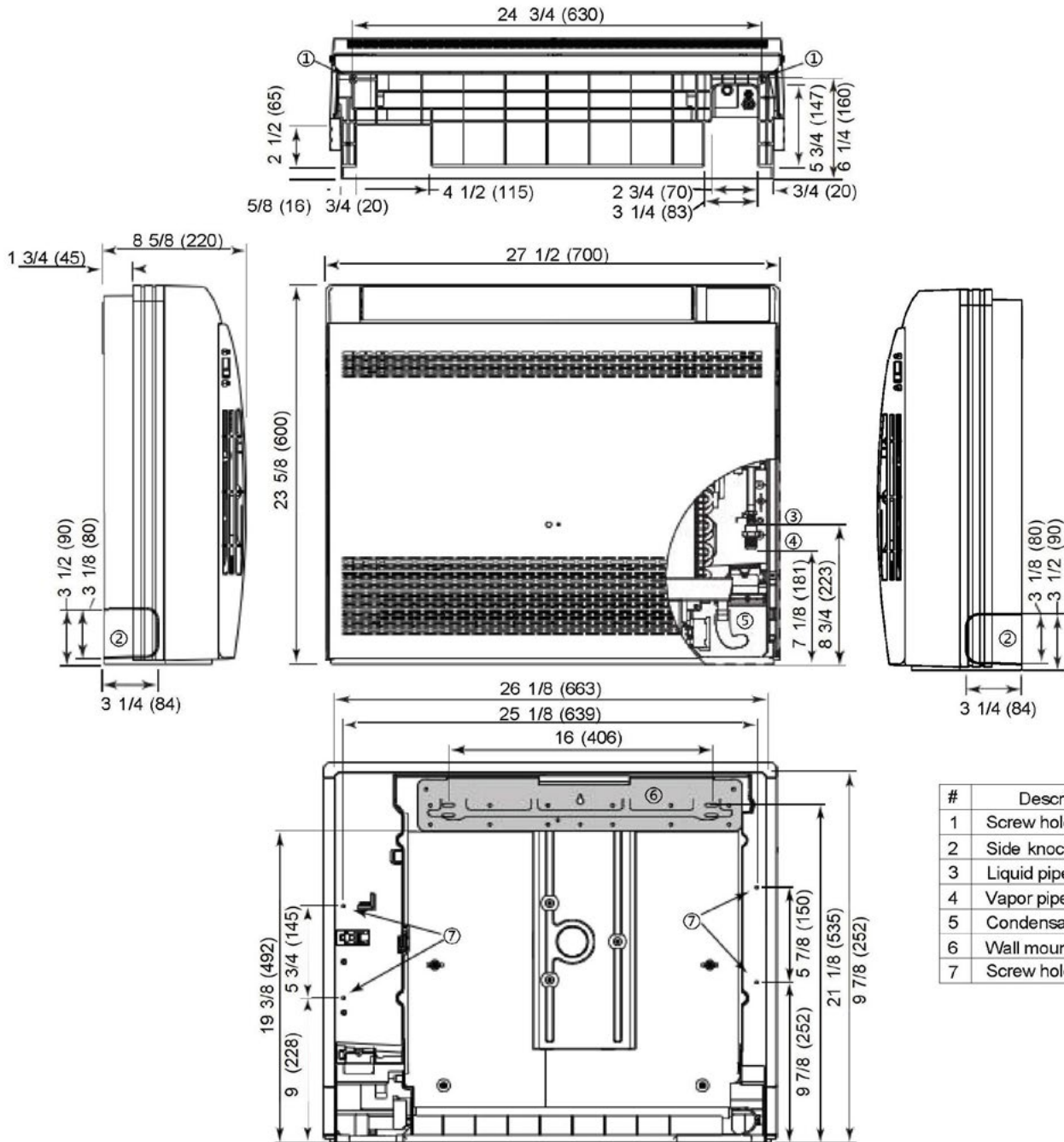


GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM CONSOLE

12K

US12FB2BEA



Note: Dimensions are shown in inches (millimeters)

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GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM DUCTED

12K

SUBMITTAL

Job Name: _____

Purchaser: _____

Submitted To: _____

Construction: _____

Reference: _____

Approval: _____

Date: _____

Submitted By: _____

Unit: _____

Drawing #: _____



Outdoor Model:
1G12ED2BEA



Indoor Model:
US12MB2BEA



Outdoor Accessories

Front Wind Baffle	UAWB15GA
Side Wind Baffle	UASWB15GA
Back Wind Baffle	UAWB15GA
Top Cover	UATC20GA
Central Controller	UACT32A

Indoor Accessories

Wired Controller	GACT17B
Supply Plenum	UAPT0912A
MERV Return Air Filter Box	UAMFB0912A

Specifications

Operating Range	Cooling (Without Wind Baffle or Top Cover)	23~115°F (-5~46°C)
	Heating	-31~75°F (-35~24°C)
Power	Voltage, Cycle, Phase (V/Hz/-)	208-230/60/1
	Operating Voltage Range	187-253 VAC
Cooling	Rated Capacity Btu/hr	10,000
	Capacity Range Btu/hr	3,000-11,000
	SEER2 / EER2	19.8/11.7
	Rated Power Input W	833
Heating	Moisture Removal Pt./hr.	1.18
	Rated Heating Capacity 47°F Btu/hr	14,000
	Heating Capacity Range Btu/hr	3,000-14,500
	COP 5°F	1.8
Outdoor Unit	HSPF2 (IV) / HSPF2 (V)	10.5/8.5
	Rated Power Input W	1,173
	Compressor	DC Inverter Rotary
	Maximum Fuse Size A	20
Indoor Unit	Minimum Circuit Amp A	14
	Outdoor Noise Level dB	55
	Dimension: HxWxD in (mm)	25 1/4 x 35 3/8 x 12 (642 x 898 x 306)
	Carton Dimension: HxWxD 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)	88.15/100.4 (39.95/45.5)
	Basepan Heater	Yes
	Fan Speed Stages	5 + Auto
	Airflow CFM: Cooling (Turbo/High/Med/Low/Quiet)	409/350/308/158/148
Indoor Unit	Indoor Motor Speed RPM: Cooling (Turbo/High/Med/Low/Quiet)	950/870/780/680/600
	Indoor Sound Level dB: Cooling (Turbo/High/Med/Low/Quiet)	47/44/41/38/35
	Airflow CFM: Heating (Turbo/High/Med/Low/Quiet)	412/355/311/163/152
	Indoor Motor Speed RPM: Heating (Turbo/High/Med/Low/Quiet)	950/870/780/680/600
Indoor Unit	Indoor Sound Level dB: Heating (Turbo/High/Med/Low/Quiet)	47/44/41/38/35
	Dimension: H x W x D in (mm)	9 3/4 x 31 3/4 x 27 1/2 (248 x 805 x 700)
	Carton Dimension: H x W x D in (mm)	12 5/8 x 37 1/2 x 33 1/2 (320 x 950 x 850)
	Weight (Net/Ship) - lbs (kg)	62.17/86.86 (28.2/39.4)
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	1/4
	Suction O.D. in	3/8
	Factory Charge Oz	50.1
Refrigerant Line	Maximum Line Length Ft / m	66/20
	Maximum Height Ft / m	33/10

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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.



GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM DUCTED

12K

1G12ED2BEA / US12MB2BEA

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
-31°F (-35°C)	4,643	933	1.46	4,576	975	1.38	4,508	1,026	1.29	4,418	1,067	1.21	4,327	1,108	1.14	4,238	1,169	1.06
-22°F (-30°C)	5,638	985	1.68	5,556	1,029	1.58	5,474	1,083	1.48	5,364	1,126	1.40	5,255	1,169	1.32	5,146	1,234	1.22
-15°F (-26°C)	6,633	1,037	1.87	6,537	1,083	1.77	6,440	1,140	1.66	6,311	1,185	1.56	6,182	1,231	1.47	6,054	1,299	1.37
-5°F (-21°C)	8,364	1,273	1.93	8,242	1,329	1.82	8,120	1,399	1.70	7,958	1,455	1.60	7,795	1,510	1.51	7,633	1,594	1.40
0°F (-18°C)	9,373	1,320	2.08	9,237	1,378	1.96	9,100	1,450	1.84	8,918	1,508	1.73	8,736	1,566	1.63	8,554	1,653	1.52
5°F (-15°C)	11,536	1,485	2.28	11,368	1,550	2.15	10,000	1,632	1.80	10,976	1,697	1.90	10,752	1,762	1.79	10,528	1,860	1.66
14°F (-10°C)	11,536	1,391	2.43	11,368	1,452	2.30	11,200	1,528	2.15	10,976	1,589	2.02	10,752	1,650	1.91	10,528	1,742	1.77
23°F (-5°C)	12,978	1,343	2.83	12,789	1,402	2.67	12,600	1,476	2.50	12,348	1,535	2.36	12,096	1,594	2.22	11,844	1,683	2.06
32°F (0°C)	13,411	1,296	3.03	13,215	1,353	2.86	13,020	1,425	2.68	12,760	1,481	2.52	12,499	1,538	2.38	12,239	1,624	2.21
41°F (5°C)	14,708	1,155	3.73	14,494	1,206	3.52	14,280	1,269	3.30	13,994	1,320	3.11	13,709	1,371	2.93	13,423	1,447	2.72
47°F (8°C)	14,420	1,067	3.96	14,210	1,114	3.74	14,000	1,173	3.50	13,720	1,220	3.30	13,440	1,267	3.11	13,160	1,337	2.88
55°F (13°C)	14,132	907	4.56	13,926	947	4.31	13,720	997	4.03	13,446	1,037	3.80	13,171	1,077	3.58	12,897	1,137	3.33
65°F (18°C)	14,564	769	5.55	14,352	802	5.24	14,140	845	4.91	13,857	878	4.62	13,574	912	4.36	13,292	963	4.05
75°F (24°C)	15,574	833	5.48	15,347	869	5.17	15,120	915	4.84	14,818	952	4.56	14,515	988	4.31	14,213	1,043	3.99
86°F (30°C)	17,160	875	5.75	16,910	914	5.42	16,660	962	5.08	16,327	1,000	4.78	15,994	1,039	4.51	15,660	1,097	4.19

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)	7,478	420	5.22	7,872	430	5.37	8,462	440	5.64	9,053	450	5.90	9,840	460	6.27	10,430	470	6.50	10,922	480	6.67
32°F (0°C)	8,390	480	5.12	8,832	490	5.28	9,494	500	5.57	10,157	510	5.84	11,040	520	6.22	11,702	530	6.47	12,254	540	6.65
50°F (10°C)	8,938	540	4.85	9,408	550	5.01	10,114	560	5.29	10,819	570	5.56	11,760	580	5.94	12,466	590	6.19	13,054	600	6.38
68°F (20°C)	9,667	770	3.68	10,176	780	3.82	10,939	790	4.06	11,702	800	4.29	12,720	810	4.60	13,483	820	4.82	14,119	830	4.99
86°F (30°C)	9,394	940	2.93	9,888	950	3.05	10,630	960	3.25	11,371	970	3.44	12,360	980	3.70	13,102	990	3.88	13,720	1,000	4.02
95°F (35°C)	7,600	793	2.81	8,000	803	2.92	8,600	813	3.10	9,200	823	3.28	10,000	833	3.52	10,600	843	3.69	11,100	853	3.81
104°F (40°C)	7,843	1,100	2.09	8,256	1,110	2.18	8,875	1,120	2.32	9,494	1,130	2.46	10,320	1,140	2.65	10,939	1,150	2.79	11,455	1,160	2.89
110°F (43°C)	7,478	1,170	1.87	7,872	1,180	1.96	8,462	1,190	2.08	9,053	1,200	2.21	9,840	1,210	2.38	10,430	1,220	2.51	10,922	1,230	2.60
115°F (46°C)	7,114	1,250	1.67	7,488	1,260	1.74	8,050	1,270	1.86	8,611	1,280	1.97	9,360	1,290	2.13	9,922	1,300	2.24	10,390	1,310	2.32

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.

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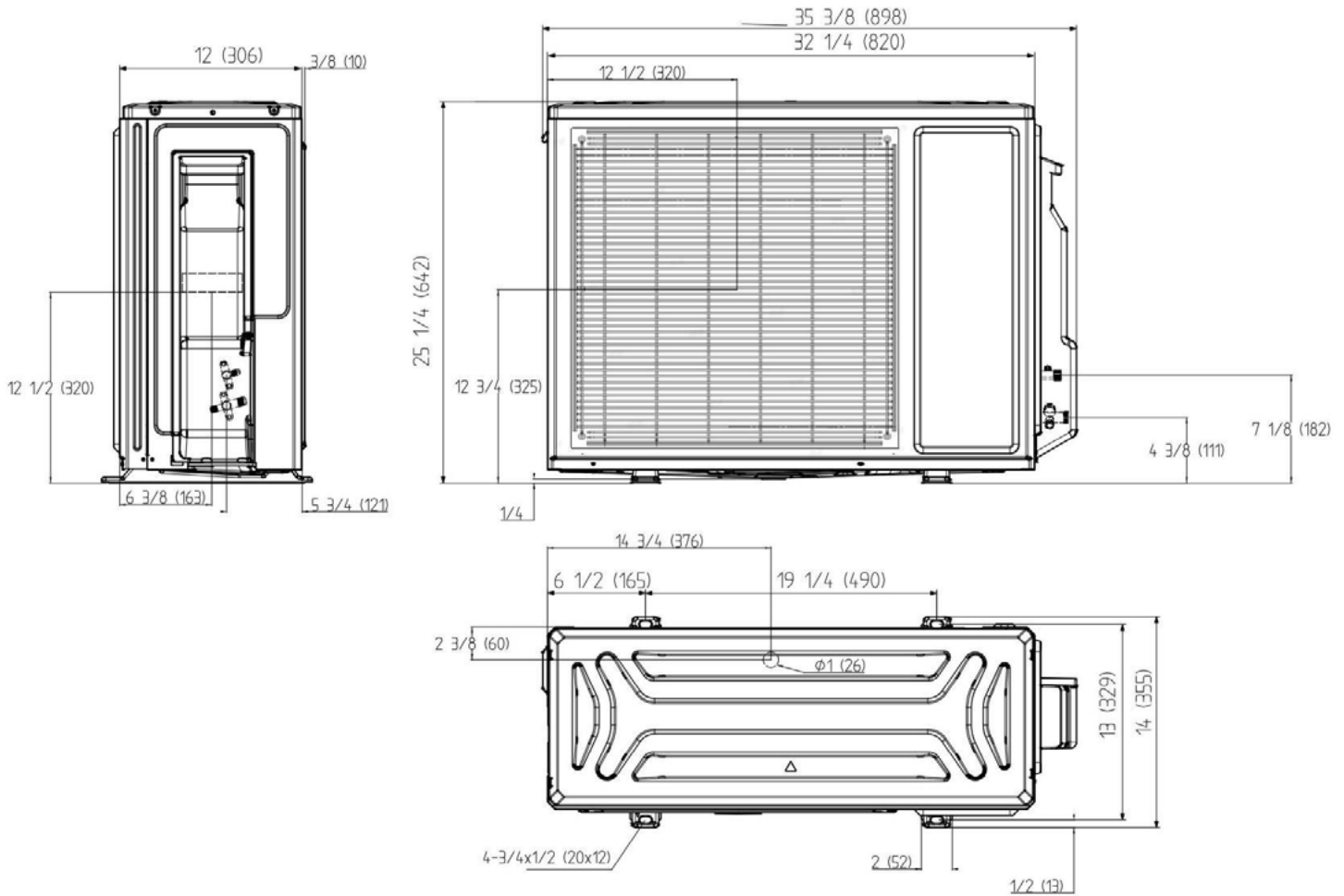


GE APPLIANCES

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEM DUCTED

12K

1G12ED2BEA



Note: Dimensions are shown in inches (millimeters)

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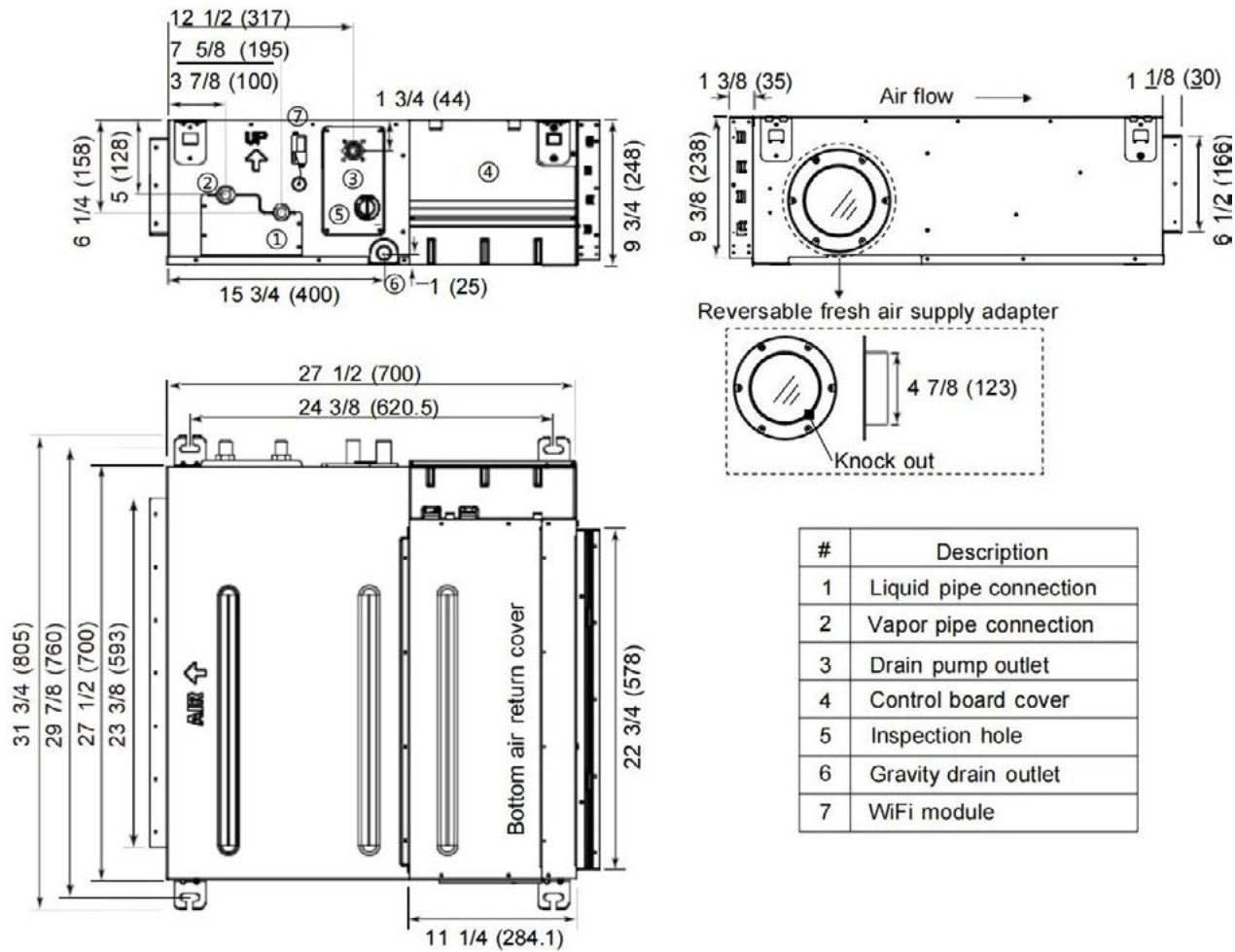


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SUBMITTAL REVISION HISTORY

03-11-25: Submittal release.

