

SAMSUNG

Submittal Data

VHK-1**C, VHK-2**C, VHK-3**C

Supplemental Electric Heat Kits for R-32 Multi-position Air Handlers

Job name: _____

Location: _____

Purchaser: _____

Engineer: _____

Submitted to: _____

Reference _____ Approval _____ Construction _____

Unit designation: _____

Schedule #: _____

Model Number	Description
VHK-103C	MPAH Electric heat kit, 3kW, Small chassis, 1 stage
VHK-105C	MPAH Electric heat kit, 5kW, Small chassis, 1 stage
VHK-203C	MPAH Electric heat kit, 3kW, Medium chassis, 1 stage
VHK-205C	MPAH Electric heat kit, 5kW, Medium chassis, 1 stage
VHK-210C	MPAH Electric heat kit, 10kW, Medium chassis, 1 stage
VHK-305C	MPAH Electric heat kit, 5kW, Large chassis, 1 stage
VHK-310C	MPAH Electric heat kit, 10kW, Large chassis, 1 stage
VHK-315C	MPAH Electric heat kit, 15kW, Large chassis, 2 stage
VHK-320C	MPAH Electric heat kit, 20kW, Large chassis, 2 stage

Specifications

- Supplemental electric heat kit used with R32 Samsung DVM S2 (AM0**FEZDCG/AA, AM0**HEZDCG/AA), R32 CAC (AC0**DNZDCG/AA), and R32 FJM (AJ0**DNZDCG/AA) multi-position air handlers.
- Installs inside the air handling unit.
- The electric heat kit shall include breakers for overcurrent protection and to turn off the air handler.
- The electric heat kit control wiring shall plug directly into the electric heat kit control plug inside the air handling unit.
- The electric heat kit shall contain limit switches to prevent overheating.
- The supplemental electric heat kit shall include all components necessary for heat kit installation.
- Refer to respective supporting indoor unit technical documents for compatibility and operation option settings.

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice.

Electrical Data

CAC (AC0**DNZDCG/AA) and FJM (AJ0**DNZDCG/AA) Models

Indoor Unit Model	Electric Heater Data										UNIT MCA (UL 60335 2-40 101. DVB.2.1) Condition C	UNIT MOP (UL 60335 2-40 101. DVB.3.1)	Braker Size	Short-Circuit Current Rating					
	Volts (1ph)	Motor Amps (FLA)		Heat Kit Model	Circuit Qty.	kW		Amps		MCA (AMPS)		MOP (AMPS)		Fuse Size (AMPS)		"SCCR"			
		208V	230V			208V	230V	208V	230V	208V	230V	208V	230V	208V	230V	208V	230V	kA rms sym- metrical	V maxi- mum
SMALL CABINET																			
AJ012DNZDCG/AA	208/230	0.59	0.65	VHK-103C	1	2.25	2.76	10.83	11.98	14.27	15.78	12.15	13.44	15	20	N/A	N/A		
AJ018DNZDCG/AA	208/230	1.16	1.28	VHK-103C	1	2.25	2.76	10.83	11.98	14.99	16.58	13.45	14.87	15	20	N/A	N/A		
				VHK-105C	1	3.76	4.59	18.06	19.97	24.02	26.56	20.67	22.86	25	30				
AJ024DNZDCG/AA	208/230	1.70	1.88	VHK-103C	1	2.25	2.76	10.83	11.98	15.66	17.32	14.65	16.20	20	20	N/A	N/A		
				VHK-105C	1	3.76	4.59	18.06	19.97	24.69	27.30	21.88	24.19	25	30				
MEDIUM CABINET																			
AC018DNZDCG/ AA	208/230	1.06	1.17	VHK-203C	1	2.25	2.76	10.83	11.98	14.87	16.44	13.22	14.61	20	20	N/A	N/A		
				VHK-205C	1	3.76	4.59	18.06	19.97	23.89	26.42	20.43	22.60	25	30				
AC024DNZDCG/ AA	208/230	1.15	1.27	VHK-203C	1	2.25	2.76	10.83	11.98	14.98	16.56	13.42	14.84	20	20	N/A	N/A		
				VHK-205C	1	3.76	4.59	18.06	19.97	24.01	26.55	20.65	22.83	25	30				
AC030DNZDCG/ AA	208/230	2.61	3.01	VHK-203C	1	2.25	2.76	10.83	11.98	16.80	18.74	16.71	18.75	20	20	N/A	N/A		
				VHK-205C	1	3.76	4.59	18.06	19.97	25.83	28.72	23.93	26.74	30	30				
				VHK-210C	1	7.51	9.18	36.11	39.93	48.40	53.68	41.98	46.70	50	60				
AC036DNZDCG/ AA	208/230	3.75	4.33	VHK-203C	1	2.25	2.76	10.83	11.98	18.23	20.39	19.27	21.72	20	20	N/A	N/A		
				VHK-205C	1	3.76	4.59	18.06	19.97	27.26	30.37	26.50	29.71	30	35				
				VHK-210C	1	7.51	9.18	36.11	39.93	49.83	55.33	44.55	49.67	50	60				
LARGE CABINET																			
AC048DNZDCG/ AA	208/230	4.28	4.94	VHK-305C	1	3.76	4.59	18.06	19.97	27.92	31.13	27.69	31.08	30	35	N/A	N/A		
				VHK-310C	1	7.51	9.18	36.11	39.93	50.49	56.09	45.74	51.05	60	60				
				VHK-315C	1	7.51	9.18	36.11	39.93	50.49	56.09	45.74	51.05	60	60			5	240
					2	3.76	4.59	18.06	19.97	22.57	24.96	18.06	19.97	25	30				

Electrical Data

DVM S (AM0**FEZDCG/AA) Models

Indoor Unit Model				Electric Heater Data						UNIT MCA (UL 60335 2-40 101. DVB.2.1) Condition C		UNIT MOP (UL 60335 2-40 101. DVB.3.1)		Braker Size		Short-Circuit Current Rating			
	Volts (1ph)	Motor Amps (FLA)		Heat Kit Model	Circuit Qty.	kW		Amps		MCA (AMPS)		MOP (AMPS)		Fuse Size (AMPS)		"SCCR"			
		208V	230V			208V	230V	208V	230V	208V	230V	208V	230V	208V	230V	208V	230V	kA rms sym- metri- cal	V max- imum
SMALL CABINET																			
AM012FEZDCG/AA	208/230	2.53	2.80	VHK-103C	1	2.25	2.76	10.83	11.98	16.71	18.47	16.53	18.28	20	20	N/A	N/A		
AM018FEZDCG/AA	208/230	2.53	2.80	VHK-103C	1	2.25	2.76	10.83	11.98	16.71	18.47	16.53	18.28	20	20	N/A	N/A		
				VHK-105C	1	3.76	4.59	18.06	19.97	25.73	28.46	23.75	26.27	30	30				
AM024FEZDCG/AA	208/230	2.53	2.80	VHK-103C	1	2.25	2.76	10.83	11.98	16.71	18.47	16.53	18.28	20	20	N/A	N/A		
				VHK-105C	1	3.76	4.59	18.06	19.97	25.73	28.46	23.75	26.27	30	30				
MEDIUM CABINET																			
AM030FEZDCG/AA	208/230	3.71	4.10	VHK-203C	1	2.25	2.76	10.83	11.98	18.18	20.10	19.18	21.20	20	20	N/A	N/A		
				VHK-205C	1	3.76	4.59	18.06	19.97	27.20	30.08	26.40	29.19	30	35				
				VHK-210C	1	7.51	9.18	36.11	39.93	49.77	55.04	44.45	49.16	50	60				
AM036FEZDCG/AA	208/230	3.71	4.10	VHK-203C	1	2.25	2.76	10.83	11.98	18.18	20.10	19.18	21.20	20	20	N/A	N/A		
				VHK-205C	1	3.76	4.59	18.06	19.97	27.20	30.08	26.40	29.19	30	35				
				VHK-210C	1	7.51	9.18	36.11	39.93	49.77	55.04	44.45	49.16	50	60				
LARGE CABINET																			
AM048FEZDCG/AA	208/230	5.43	6.00	VHK-305C	1	3.76	4.59	18.06	19.97	29.35	32.46	30.26	33.47	30	35	N/A	N/A		
				VHK-310C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60				
				VHK-315C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60			5	240
2	3.76	4.59	18.06		19.97	22.57	24.96	18.06	19.97	25	30	5	240						
AM054FEZDCG/AA	208/230	5.43	6.00	VHK-305C	1	3.76	4.59	18.06	19.97	29.35	32.46	30.26	33.47	30	35	N/A	N/A		
				VHK-310C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60				
				VHK-315C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60			5	240
					2	3.76	4.59	18.06	19.97	22.57	24.96	18.06	19.97	25	30			5	240
AM060FEZDCG/AA	208/230	5.43	6.00	VHK-305C	1	3.76	4.59	18.06	19.97	29.35	32.46	30.26	33.47	30	35	N/A	N/A		
				VHK-310C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60				
				VHK-315C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60			5	240
					2	3.76	4.59	18.06	19.97	22.57	24.96	18.06	19.97	25	30			5	240
				VHK-320C	1	7.51	9.18	36.11	39.93	51.92	57.41	48.32	53.43	60	60			5	240
					2	7.51	9.18	36.11	39.93	45.14	49.91	36.11	39.93	50	50			5	240
AM072HEZDCG/AA	208/230	6.87	7.60	VHK-305C	1	3.76	4.59	18.06	19.97	31.16	34.46	33.52	37.07	35	40	N/A	N/A		
				VHK-310C	1	7.51	9.18	36.11	39.93	53.73	59.41	51.58	57.03	60	60				
				VHK-315C	1	7.51	9.18	36.11	39.93	53.73	59.41	51.58	57.03	60	60			5	240
					2	3.76	4.59	18.06	19.97	22.57	24.96	18.06	19.97	25	30			5	240
				VHK-320C	1	7.51	9.18	36.11	39.93	53.73	59.41	51.58	57.03	60	60			5	240
					2	7.51	9.18	36.11	39.93	45.14	49.91	36.11	39.93	50	50			5	240