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				HEATING PERFORM	ANCE AT INDOOR D	RY BULB TEMPERA	TURE		
AIRFLOW	1202		TC: TOTAL CAP	ACITY IN BTU/HR		-	PI?TOTAL POW	ER IN KILOWATTS	
(CFM)	OUTDOOR (DB F)		Indoor Con	ditions (DB F)			Indoor Con	ditions (DB F)	
	(lease in the	60.8	68.0	71.6	75.2	60.8	68.0	71.6	75.2
	-22.0	31688	31482	31345	31207	4.21	4.37	4,19	4.18
	-10.0	36460	36223	36065	35908	4.93	5.12	4.91	8.90
	0.0	40437	40175	40000	39825	5.58	5.74	5.50	5.50
	5.0	42564	42288	42104	41920	5.86	6.09	5.83	5.82
	14.0	45450	45155	44958	44762	6.25	6.49	6.22	6.21
	17.0	47615	47305	47099	46893	5.64	6.90	6.61	6.60
	22.0	45722	45425	45227	45029	6.33	6.30	6.29	6.27
	27.0	43743	43347	43149	42951	5.77	5.71	5.68	5.65
1083	32.0	41367	40972	40774	40576	5.20	5.12	5.08	5.04
	37.0	40180	39784	39487	39289	4.67	4.56	4.50	4.45
	42.0	40279	39784	39487	39289	4.14	4.00	3.93	3.86
	44.6	40498	40000	40495	40198	3.87	3,40	3.65	3.58
	52.0	39505	38911	38514	38416	3.05	2.86	2.78	2.68
	57.0	38317	37723	37426	37129	2.50	2.29	2.18	2.08
	62.0	37129	36535	36238	35842	1.95	1.71	1.60	1.45
	64.4	36534	35941	35644	35248	1.69	1.44	1.31	1.18
	-22.0	32017	31811	31674	31537	4.25	4,42	4.23	4.23
	-10.0	36839	36602	35444	36287	4.98	5.17	4,95	4.95
	0.0	40857	40595	40420	40245	5.59	5.80	5.56	5.55
	5.0	43007	42730	42546	42362	5.92	6.15	5.89	5.89
	14.0	45922	45627	45431	45234	6.32	6.56	6.29	6.28
	17.0	48109	47800	47594	47388	6.71	6.97	6.68	6.67
	22.0	46222	45925	45727	45529	6.39	6.36	6.36	6.34
1.1.1	27.0	44142	43746	43548	43350	5.83	5.77	5.74	5.70
1188	32.0	41767	41371	41173	41077	5.26	5.17	5.13	5.09
	37.0	40580	40184	39887	39589	4.72	4.61	4.54	4.50
	42.0	40780	40184	39887	39689	4.18	4.04	3.96	3,89
	44.6	40999	40400	40895	40598	3.90	3.43	3.68	3.62
	52.0	39905	39311	38913	38816	3.08	2.38	2.80	2.70
	57.0	38717	38123	37825	37529	2.52	2,31	2.19	2.10
	62.0	37428	36935	36638	36141	1.97	1.72	1.61	1.49
	64.4	37034	36341	36044	35547	1.70	1.45	1.31	1.18

										_
		HEAT	TING PERFORMAT	NCE AT INDODR I	DRY BULB TEMPE	RATURE- 36K HH	(Shoet 2 of 2)			
1.51			,	HEATING PERFORM	ANCE AT INDOOR DE	Y BULB TEMPERATI	URE			
AIRFLOW	0.0000		TC: TOTAL CAPA	ACITY IN BTU/HR			PIPTOTAL POWE	R IN KILOWATTS		
(Crim)	(DB F)		Indoor Cond	Btions (DB F)		-	Indoor Cond	fitions (DB F)		
		60.8	68.0	71.6	75.2	60.8	68.0	71.6	75.2	
	-22.0	31688	31482	31345	31207	4.21	4.37	4.19	4.18	
	-10.0	36460	36223	36065	35908	4.93	5.12	4.91	8.90	
	0.0	40437	40175	40007	39825	5.58	5.74	5.50	5.50	
	5.0	42564	42288	42104	41920	5.86	6.09	5.83	5.82	
	14.0	45450	45155	44958	44762	6.25	6.49	6.22	6.21	
	17.0	47615	47305	47099	46893	5.64	6.90	6.61	-6.60	
	22.0	45722	45425	45227	45029	6.33	6.30	6.29	6.27	
1083	27.0	45743	43347	43149	42951	5.//	5./1	80.0	5.65	
	32.0	41507	40972	40774	40576	5.20	5.12	80.6	5,04	
	37.0	40180	39784	39487	39289	4.67	4.56	4.50	4,45	
	42.0	40279	39784	39487	39289	4.14	4.00	1.9.1	3.80	
	49.6	40498	40000	40995	40198	3.8/	3,40	64.6	3.58	
	52.0	39505	38911	38614	38416	3.05	.2.80	Z./8	2.08	
	57.0	38317	17723	37426	37129	2.50	2.29	2.18	2,08	
	62.0	37129	36535	36238	35842	1.95	1.71	1.60	1.48	
	64.4	36634	35941	35644	35248	1.69	1.44	1.31	1.18	
	-22.0	32017	31811	31674	31537	4.25	4.42	4.23	4,23	
	-10.0	36839	36602	36444	36287	4.98	5.17	4.95	4.95	
	0.0	40857	40595	40420	40245	5.59	5.80	5.56	5.35	
	5.0	43007	42730	42546	42362	5.92	6.15	5.89	5.89	
	14.0	45922	45627	45431	45234	6.32	6.56	6.29	5.28	
	17.0	48109	47800	47594	47388	6.71	6.97	6.68	5.67	
1 m	22.0	46222	45925	45727	45529	6.39	6.36	6.36	6.34	
1188	27.0	44142	43740	45548	43350	0.85	5.77	3./4	3.70	
	32.0	41/6/	413/1	411/1	410//	5.26	5.1/	5.14	3.09	
	37.0	40580	40184	39887	39689	4./2	4,61	4.54	4.50	
	42.0	40780	40184	3368/	39089	4.18	4,04	1.90	3,89	
	69,6	au999	40400	41895	40598	3.90	3.43	3.68	3.04	
	52.0	39905	39511	38914	dibos	3.08	2.85	2.80	2.70	
	N.T. 11	AM (1) (1.3/			110	
	57.0	30717	36025	3/020	31,345	1.02	2.31	2.19	2.10	





38MURA - 40MUAA

- Disadvantages
 - Requires 230-volt power at the fan coil
 - Only a three-speed indoor fan with KSACN control, one-speed with 24V thermostat
 - Separate circuit for electric heat (if desired)

















Scenario 1 - Non-Polarity RS485 Communication + 24V Heat-Pump Thermostat This is the preferred method when using a 24V heat pump thermostat and when the indoor unit communicates with the outdoor unit via RS485 protocol. The number of wires (#18AWG) needed for controlling the air handler should be decided based on unit size and Heat/Cool/Dehumidification requirements. A minimum of 5 wires is required. NOTE: Fan speed defaults to auto fan control logic.









L TERMINAL ACTIVE DURING ERROR CODE



- 24 Volt Output from L Terminal in Outdoor to L at Air Handler and Thermostat(If Available)
- Error Code Will Display on Outdoor LED

41

Sigler









Step 5 - Re	friger	ant Pi	ping (Connec	tions								
				Tab	le 6 — F	Piping an	nd Refri	gerant					
System Size		18K	18K High Heat	24K	24K High Heat	30K	30K High Heat	36K	Heat	48K	48K High Heat	60K	Heat
		_					(208/2	230 V)					
Min. Piping Length	ft.(m)						9.8	(3)					
Standard Piping Length Max. outdoor-indoor height difference	ft.(m) ft.(m)	65.6 (20)	65.6 (20)	82 (25)	82 (25)	82 (25)	24.6 82 (25)	(7.5) 98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)
Max. outdoor-indoor height difference (IU higher than OU)	fL(m)	65.6 (20)	65.6 (20)	82 (25)	82 (25)	82 (25)	82 (25)	98.4 (30)	98. <mark>4 (</mark> 30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)
Suction Pipe (size - connection type)	in (mm)	ø3/4° (19)	ø3/4° (19)	ø3/4" (19)	ø3/4° (19)	ø3/4° (19)	ø3/4° (19)	ø3/4" (19)	ø3/4" (19)	ø3/4" (19)	ø3/4° (19)	ø7/8* (22)	ø7/8* (22)
Liquid Pipe (size- connection)	in (mm)						ø3/8*	(9.52)					
Refrigerant Type	Туре						R4	10A					
Charge Amount	lb. (kg)	3.53 (1.6)	5.07 (2.3)	4.63 (2.1)	6.39 (2.9)	6.72 (3.05)	8.38 (3.8)	8.16 (3.7)	10.36 (4.7)	10.4 (4.7)	10.58 (4.8)	10.8 (4.9)	10.58 (4.8)
IMPORTANT: refrigeration gr be used. Use of manufacturer's	The suc ade tub other ty warran	ction line ing ONL pes of tu nty.	must be Y. No oth bing will	insulated her type o l void the	d. Use of tubing	may .	The mini unit is 10 All outdo refrigerat	mum refri ft. (3m). or units hand flow of	gerant line ave an elect	length bet tronic exp connecte	ween the i ansion valud.	ndoor and ve to mana	outdoor age the
						•	Do not of tubing en	pen the ser	vice valves	or remov	e the prote	ctive caps	from the

Electric Heat -- Optional

Table 6	- Aux	ciliary H	leater (Compa	tibility		Heater	Model	MCA	I
MODEL (Btu/h)	5kW	8kW	10kW	15kW	20kW	25kW	Kit Size	Number	1 208V/	Ŀ
18K	Y	Y	Y			-	(KW)	CONTRACT.	230V	
24K	Y	Y	Y	Y		-	5	EHKMBO	23.0/	
30K	Y	Y	Y	Y	-			5KN	27.0	1
36K	Y	Y	Y	Y	Y	14	8	EHKMB0	37.0/	
48K	1.4	Y	Y	Y	Y			DIN	42.0	H
60K	1-1	-	Y	Y	Y	Y	10	OKN	46.0/ 53.0	
							15	EHKMB1	23.0/	Π

Heater Kit Size (KW)	Model Number	MCA Circuit 1 208V/ 230V	MCA Circuit 2 208V/ 230V	MCA Circuit 3 208V/ 230V	MOPD Circuit 1 208V/ 230V	MOPD Circuit 2 208V 230V
5	EHKMB0 5KN	23.0/ 27.0			25.0/ 30.0	
8	EHKMB0 8KN	37.0/ 42.0			40.0/ 45.0	
10	EHKMB1 OKN	46.0/ 53.0			50.0/ 60.0	
15	EHKMB1 5KN	23.0/ 27.0	46.0/ 53.0		25.0/ 30.0	50.0/ 60.0
20	EHKMB2 0KN	46.0/ 53.0	46.0/ 53.0		50.0/ 60.0	50.0/ 60.0
25	EHKMB2 5KN	23.0/ 27.0	46.0/ 53.0	46.0/ 53.0	25.0/ 30.0	50.0/ 60.0

Heater Kits

- This unit is not equipped with an electric heater package. A factory-approved, field-installed, ETL listed heater package is available from your equipment supplier.
- Factory-authorized, field-installed electric heater packages are available in sizes 5kW through 25kW.
- Electric heaters that are not factory approved may cause damage which would not be covered under the equipment warranty. Review the product data literature for all available accessory kits.

Sigler
Wholesale Distributor





OUTDOOR SUCTION SENSOR USED FOR DEMAND CALCULATION

Used to Calculate Demand in Conjunction with Pressure Transducer









PRESSURE TRANSDUCER BOARD CONNECTION Pressure tr

- Black~White= 5 VDC
- Black~Red= 5.8 Mohms





Sigler





38MURA - FV4

- Disadvantages
 - Requires 230-volt power at the fan coil
 - Only a single-speed indoor fan















			-				т	able 2 – E	lectric Heat	ter Electri	cal Data									4
-	and the			P	Internal	HE	ATER AMP	s'	MIN	AMPACIT	(Min W	ire Size (AWG)	BRA	NCH CIR	CUIT	Max	Fuse/Ckt	Bkr
FC	HEATER PART NO.		aw	A	Circuit		206/2304	-		208/2304		2	08/230V			208/230V	•	Amp	os 208/23	ov
		_	-	S	Protection	Single	Dual (Circuit	Single	Dual	Circuit	Single	Dual (ircuit	Single	Dual C	Circuit	Single	Dual C	lircuit
		240V	208V	-		Circuit	L1,L2	L3,L4	Circuit	L1,L2	L3,L4	Circuit	L1,L2	L3,L4	Circuit	L1,L2	L3,L4	Circuit	L1,L2	L3,L4
24	KFFEH0401N03	3	2.3	1	None	10.7/11.9	-	-	18.4/19.9	-		12/12		-	12/12	1		20/20		-
18	KFFEH8401N03	3	2.3	1	None	10.7/11.9	-	-	17.0/18.5	-	-	12/12		-	12/12	-	-	20/20	-	-
24-42	KEFEH0301N05	5	3.8	1	None	17.8/19.7	-	-	27.5/29.9	-	-	10/10	-	-	10/10	-	-	30/30	-	-
29-92	KEEEH0601NOF	5	3.8	1	GKI BKI	17.8/19.7	-	-	27.5/29.9	-	-	10/10	-	-	10/10	-		30/30		-
10.00	KEEEH2401COF	5	3.6	1	CH Bkr	17 9/10 3	-	-	29.9/32.3	-	-	10/8	~	-	10/10	-	-	30/35	-	-
18	KEEEH8501NOE	5	3.8	1	None	17.0/19.7	-	-	29,9/32.3		-	10/8		-	10/10	_	-	30/35	_	-
18	KEEEH8401C05	5	3.8	1	Ckt Bkt	17 8/19 7			25 9/28 3	-	-	10/10			10/10			30/30		
4.60	KEEEH0801N08	8	6.0	1	None	28 5/31 5	-		43 3/47 0			8/8	-	-	10/10	-	-	45/50		-
4-60	KEEEH2501C08	8	60	1	Ckt Bkr	28 5/31 5	-	-	43 3/47 0	-	-	8/8	-	-	10/10	-	-	45/50	-	-
18	KFFEH8801N08	8	6.0	1	None	28.5/31.5	-	-	39.3/43.0		-	8/8		-	10/10	-	-	40/45	-	-
18	KFFEH8501C08	8	6.0	1	Ckt Bkr	28.5/31.5	-	-	39.3/43.0	-	-	8/8	-	-	10/10			40/45		-
4-60	KFFEH0901N10	10	7.5	1	None	35.6/39.4	-	-	52.1/56.9	-	-	6/6	-	-	10/10	-	-	60/60	-	-
24-60	KFFEH2601C10	10	7.5	1	Ckt Bkr	35.6/39.4	-	-	52.1/56.9	-	-	6/6	-	-	10/10		-	60/60	-	-
18	KFFEH8901N10	10	7.5	1	None	35.6/39.4			48.1/52.9			8/6			10/10		-	50/60	-	
18	KFFEH8601C10	10	7.5	1	Ckt Bkr	35.6/39.4		-	48.1/52.9	-	-	8/6	-	-	10/10	-	-	50/60		-
30-60	KFFEH2901N09"	9	6.8	1	None	32.2/35.6	-	-	47.9/52.1	-	-	8/6		-	10/10	-	-	50/60	-	-
30-60	KFFEH2901N09	9	6.8	3	None	18.6/20.6			30.9/33.4		-	8/8		-	10/10		-	40/40		-
24-60	KFFEH3001F15 ¹⁷	15	11.3	1	Fuse	53.4/59.1	35.6/39.4	17.8/19.7	74.4/81.5	52.1/56.9	22.3/24.6	4/4	6/6	10/10	8/8	10/10	10/10	80/90	60/60	25/25
24-60	KFFEH3101C15	15	11.3	1	Ckt Bkr	53,4/59.1	35.6/39.4	17.8/19.7	74.4/81.5	52.1/56.9	22.3/24.6	4/4	6/6	10/10	8/8	10/10	10/10	80/90	60/60	25/25
36-60	KFFEH1601315	15	11.3	3	Fuse	30.8/34.1	-	-	46.1/50.3	-		8/6	-	-	10/10	-	-	50/60	-	-
\$2-60	KFFEH2001318	18	13.5	3	None	37.2/41.2	-	-	54.1/59.1	-		6/6	-	-	10/10	-	-	60/70		-
30-60	KFFEH3201F20 ^{††}	20	15.0	1	Fuse	71,2/78.8	35.6/39.4	35.6/39.4	96.6/106.1	52.1/56.9	44.5/49.3	3/2	6/6	8/8	8/6	10/10	10/10	100/110	60/60	45/50
30-60	KFFEH3301C20	20	15.0	1	Ckt Bkr	71.2/78.8	35.6/39.4	35.6/39.4	96.6/106.1	52.1/56.9	44.5/49.3	3/2	6/6	8/8	8/6	10/10	10/10	100/110	60/60	45/50
18-60		24	18.0	3	Fuse	49.3/54.6	-	-	69.3/75.9	-		4/4	-	-	8/8	-		80/80	-	-
8-60	KFFEH3401F24**	24	18.0	1	Fuse	85.5/94.5	-	-	114.5/125.8		-	2/1	-	-	6/6	-	-	125/150	-	-
48-60	KEEELINKALESOT	30	22.5	3	Fuse	61.7/68.2	-	-	84.8/92.9			4/3	-	-	8/8		-	90/100		-
48-60	KFFEH3501F30**	30	22.5	1	Fuse	106.8/118.1	-	-	141.1/155.3	C	-	0/00	_	-	6/6	-	-	150/175	-	-

	frige	rant Pi	ping (Connec	tions		nd Dafri						
System Size		18K	18K High Heat	24K	24K High Heat	зок	30K High	36K	36K High	48K	48K High	60K	60K High
			mut				(208/2	230 V)			, iour		
Min. Piping Length	ft.(m)						9.8	(3)					
tandard Piping Length	ft.(m)		_				24.6	(7.5)		_			
Max. outdoor-indoor height difference (OU higher than IU)	ft.(m)	65.6 (20)	65.6 (20)	82 (25)	82 (25)	82 (25)	82 (25)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)
Max. outdoor-indoor height difference (IU higher than OU)	fL(m)	65.6 (20)	65.6 (20)	82 (25)	82 (25)	82 (25)	82 (25)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)
Suction Pipe (size - connection type)	in (mm)	ø3/4° (19)	ø3/4° (19)	ø3/4" (19)	ø3/4° (19)	ø3/4° (19)	ø3/4° (19)	ø3/4" (19)	ø3/4° (19)	ø3/4" (19)	ø3/4* (19)	ø7/8° (22)	ø7/8* (22)
Liquid Pipe (size- connection)	in (mm)		· · · · · ·				ø3/8*	(9.52)					
Refrigerant Type	Туре						R4	10A					
Charge Amount	Ib. (kg)	3.53 (1.6)	5.07 (2.3)	4.63 (2.1)	6.39 (2.9)	6.72 (3.05)	8.38 (3.8)	8.16 (3.7)	10.36 (4.7)	10.4 (4.7)	10.58 (4.8)	10.8 (4.9)	10.58 (4.8)
IMPORTANT: refrigeration gr be used. Use of manufacturer's	The successful to the successf	ction line bing ONL ypes of tu nty.	must be Y. No oth bing will	insulated aer type o void the	d. Use of tubing	may	The mini unit is 10 All outdo refrigerat	mum refri ft. (3m). ft. flow of nt flow of	gerant line ave an elec the fan coi	length bet tronic exp connecte	tween the in cansion value d.	ndoor and ve to mana	outdoor age the
						•	Do not op tubing er	pen the ser ids until al	vice valves	s or remov	e the prote	ctive caps	from the





38MURA - 58TP1

- Advantages
 - Compact footprint
 - Can probably reuse an existing lineset
 - Only requires 115-volt power at the furnace
 - No accessories or interface kits are required





THERMOSTAT	ONE-STAGE/TWO STAGE	VARIABLE SPEED HEAT PUMP	Applies To:
	, on the second s	0201 1908	585P,595P-PERFORMANCE SERIES 58SU-ULTRALOW NOX
			58TP & 59TP-PERFORMANCE SERVES
RVS HEATING O/B		B	OVL and OVM Oil Furnaces
HEAT STAGE 2 Y2	<u>Y / Y 2</u>	······· <u>Y 2</u>	Notes:
COOL/ HEAT STAGE 1 Y1	¥1	Y 1	O/B' ENERGIZED ON HEATING
HEATING/ EMERGENCY HEAT W/E		W	Y1' TERMINAL AT OUTDOOR UNIT MAY OPTIONALLY BE USED INSTEA
FAN G	G	D	OF 'Y2' FOR A SLOWER COMPRESSOR "RAMP-UP" RATE
24 VAC HOT R	R	R	MUST USE DUAL FUEL THERMOSTA FOR ALL FURNACE COMBINATIONS
		0	SIMULTANEOUS HEAT PUMP AND FURNACE OPERATION NOT
24 VAC COMM [C]			PERMITTED.
			LITERATURE FOR ADDITIONAL









Step 5 - Re	frige	ant Pi	ping (Connec	tions								
Custom Circ	_	104	18K High	Tab	24K High	Piping an	30K High	gerant	36K High	194	48K High	CON	60K High
System Size		IGK	Heat	248	Heat	JUK	Heat	366	Heat	466	Heat	OUR	Heat
Min. Piping Length	ft.(m)						(208/2	(3)					
tandard Piping Length	ft.(m)						24.6	(7.5)		-			
Max. outdoor-indoor height difference (OU higher than IU)	ft.(m)	65.6 (20)	65.6 (20)	82 (25)	82 (25)	82 (25)	82 (25)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)
Max. outdoor-indoor height difference (IU higher than OU)	fL(m)	65.6 (20)	65.6 (20)	82 (25)	82 (25)	82 (25)	82 (25)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)	98.4 (30)
Suction Pipe (size - connection type)	in (mm)	ø3/4° (19)	ø3/4° (19)	ø3/4" (19)	ø3/4" (19)	ø3/4° (19)	ø3/4" (19)	ø3/4" (19)	ø3/4° (19)	ø3/4" (19)	ø3/4* (19)	ø7/8° (22)	ø7/8* (22)
Liquid Pipe (size- connection)	in (mm)						ø3/8*	(9.52)					
Refrigerant Type	Туре						R4	10A					
Charge Amount	Ib. (kg)	3.53 (1.6)	5.07 (2.3)	4.63 (2.1)	6.39 (2.9)	6.72 (3.05)	8.38 (3.8)	8.16 (3.7)	10.36 (4.7)	10.4 (4.7)	10.58 (4.8)	10.8 (4.9)	10.58 (4.8)
MPORTANT: efrigeration g we used. Use of nanufacturer's	The sur rade tub other ty s warra	ction line bing ONL ypes of tu nty.	must be X. No oth bing wil	insulated ner type o l void the	d. Use of tubing	may .	The mini unit is 10 All outdo refrigerat Do not op	mum refri ft. (3m). oor units ha nt flow of pen the ser	gerant line ave an elec the fan coi vice valve	length bet tronic exp l connecte s or remov	tween the i pansion val- d. re the prote	ndoor and ve to mana ctive caps	outdoor age the from the



THERMOSTAT	ONE-STAGE/TWO STAGE FURNACE	VARIABLE SPEED HEAT PUMP	Notes:
RVS HEATING O/B		B	HOW MANY
COOL/ HEAT STAGE 2 Y2		Y2	DO WE NEED
COOL/ HEAT STAGE 1 Y1	<u>Y1</u>	Y1	IF IT IS
HEATING/ EMERGENCY HEAT W/E		D	<u>A/C ONLY?</u>
24 VAC HOT R	R	R	
24 VAC COMM C		C	







Situation:

Compatibility errors have been reported by the field as it pertains to connecting the above listed models to previous version ODU's. this includes the 38MGR(H), 38MBRB and 38MA*R chassis. This issue is now understood and corrective actions are in place. Updated software versions were implemented in production to make the 40MBAB models compatible with older version ODU's. Replacement PCB's are in transit to Replacement Components and will be used to update current field inventory as necessary.

Technical Information:

The FL09 error code is caused by incompatibility of platforms. This error only occurs when using a 24V Thermostat configuration with outdoor units 38MAQ, 38MBRB and 38MGR offerings. Corrective PCB's will be available in a timely manner. Current and future installs of the 40MBAB that require a 24V thermostat may be temporarily installed with the KSACN1001AAA Wired Controller. This can be accomplished by running an additional 2 core stranded/shielded cable ALONG WITH the standard thermostat cable. This will allow the system to operate with the onboard controls using the KSACN1001AAA that ships with the equipment. Refer to the Installation Manual for dip switch settings when using the Wired Controller.















rri	er)				Multi-Zon	e Combinati	on Chart Ref	erence Guide	
					Combinations val	id for 38MG(H/R)B unit	ts. For combinations for	38MGR units please reference	e 38MGR L
	TWO Z	ONES		THREE ZONES			FOUR	ZONES	
	6+6	9+9							
	6+9	9+12							
	6+12	12+12							
- 3	6+6	9+12	6+6+6	6+9+12	9+9+18				
	6+9	9+18	6+6+9	6+9+18	9+12+12				
)	6+12	12+12	6+6+12	6+12+12	12+12+12				
1	6+18	12+18	6+6+18	9+9+9					
	9+9	18+18	6+9+9	9+9+12					
-	6+9	9+18	6+6+6	6+12+12	9+12+12	6+6+6+6	6+6+12+12	6+12+12+12	
	6+12	9+24	6+6+9	6+12+18	9+12+18	6+6+6+9	6+6+12+18	6+12+12+18	
1	6+18	12+12	6+6+12	6+12+24	9+12+24	6+6+6+12	6+6+12+24	9+9+9+9	
	6+24	12+18	6+6+18	6+18+18	9+18+18	6+6+6+18	6+6+18+18	9+9+9+12	
	9+9	12+24	6+6+24	6+18+24	12+12+12	6+6+6+24	6+9+9+9	9+9+9+18	
1	9+12	18+18	6+9+9	9+9+9	12+12+18	6+6+9+9	6+9+9+12	9+9+12+12	
			6+9+12	9+9+12	12+18+18	6+6+9+12	6+9+9+18	9+9+12+18	
			6+9+18	9+9+18	12+12+24	6+6+9+18	6+9+9+24	9+12+12+12	
			6+9+24	9+9+24		6+6+9+24	6+9+12+18	12+12+12+12	















Strip Heat Description Part numbers EHKMB05KN Electric Heater for Air Handler 5 KW EHKMB08KN Electric Heater for Air Handler 8 KW EHKMB10KN Electric Heater for Air Handler 10 KW EHKMB15KN Electric Heater for Air Handler 15 KW EHKMB20KN Electric Heater for Air Handler 20 KW EHKMB25KN Electric Heater for Air Handler 25 KW Compatibility Air Handler Ductless system only. Refer to the product data of the air handlers 40MBAB / DLFSAB / DLFLAB / 40MUAA / DLFUAA for specific model numbers. **Electrical Specifications** Heater Model Number MCA MCA MCA MOCP MOCP MOCP Circuit 1 Kit Size Circuit 2 Circuit 3 Circuit 1 Circuit 2 Circuit 3 208V/230V 208V/230V 208V/230V (KW) 208V/230V 208V/230V 208V/230V EHKMB05KN 5 23.0/27.0 25.0/30.0 8 EHKMB08KN 37.0/42.0 40.0/45.0 10 EHKMB10KN 46.0/53.0 50.0/60.0 EHKMB15KN 15 23.0/27.0 46.0/53.0 25.0/30.0 50.0/60.0 20 EHKMB20KN 46.0/53.0 46.0/53.0 50.0/60.0 50.0/60.0 25 EHKMB25KN 23.0/27.0 46.0/53.0 25.0/30.0 50.0/60.0 46.0/53.0 50.0/60.0 Sigler Whalesale Distribute

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Piping Both Lines Insolated

Table 6 — Piping and Refrigerant Information

SYSTEM SIZE			36K	48K	58K
PIPING	Min. Piping Length	ft (m)	10(3)	10(3)	9.8 (3)
	Standard Piping Length	ft (m)	25(7.5)	25(7.5)	24.6 (7.5)
	Max. outdoor-indoor height difference (OU higher than IU)	ft (m)	98(30)	98(30)	98.4 (30)
	Max. outdoor-indoor height difference (IU higher than OU)	ft (m)	98(30)	98(30)	98.4 (30)
	Max. Piping length with no additional refrigerant charge	ft (m)	26(8)	26(8)	24.6 (7.5)
	Max. Piping Length	ft (m)	213(65)	213(65)	213 (65)
	Additional refrigerant charge (between Standard - Max piping length)	Oz/ft (g/m)	0.32(30)	0.32(30)	0.32(30)
	Gas Pipe (size-connection type)	in (mm)	5/8(16)	5/8(16)	7/8(22)
	Liquid Pipe (size-connection type)	in (mm)	3/8(9.52)	3/8(9.52)	3/8(9.52)
REFRIGERANT	Refrigerant Type		R410A	R410A	R410A
	Charge Amount	Lbs (kg)	6.72(3.05)	9.26(4.2)	10.58 (4.8)



