

Hoshizaki America, Inc.

Modular Crescent Cuber

Models

KMD-450MAH

KMD-450MWH



“A Superior Degree
of Reliability”

www.hoshizaki.com

PARTS LIST



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Auxiliary Codes

KMD-450MAH U-0 July 2009

KMD-450MWH U-0 July 2009

Auxiliary Code Breakdown

The auxiliary code is the first two characters in the serial number. The first character indicates the year. Years progress or regress in alphabetical order. The series runs from "A" through "V" and the letters "I" and "O" are skipped. The second character indicates significant part changes within a year. Base is "0" and this number advances for each change.

Note About Ordering Parts

Most assemblies cannot be ordered as complete units; parts in the assemblies generally must be ordered separately.

Material Abbreviations

ALUMINUM

AL = Aluminum

COPPER

CU = Copper

PLASTIC

ABS = Acrylonitrile -butadiene -styrene
AC = Polyacetal
EVA = Ethylene vinyl acetate
PA = Polyamide = Nylon
PC = Polycarbonate
PE = Polyethylene
PES = Polyester
PETP = Polyethylene terephthalate = Tetlon
PP = Polypropylene
PS = Polystyrene
PTFE = Polytetrafluoroethylene = Teflon
PUR = Polyurethane
PVC = Polyvinyl chloride

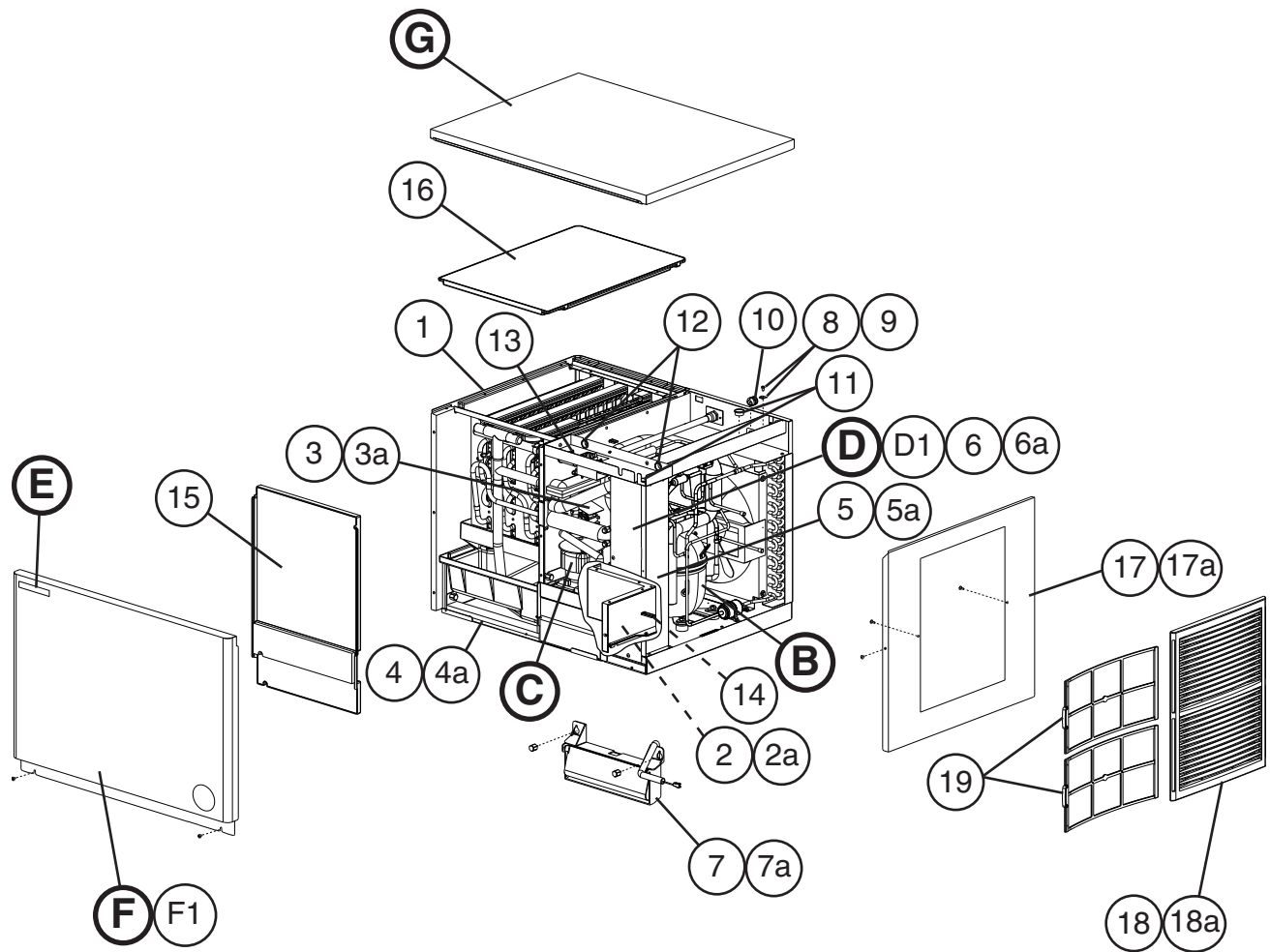
RUBBER

VN = Vinyl Nitrile
EPDM = EP rubber
NBR = Nitrile butadiene rubber
NR = Natural rubber
NP = Neoprene
SI.R = Silicone rubber
SY.R = Synthetic rubber
EPH = Epichlorohydrin

STEEL

GS = Galvanized steel
SS = Stainless steel
PS = Plated steel
PAS = Primed steel

A. Ice Cuber Assembly **KMD-450MAH** U-0



Title: A. Ice Cuber Assembly Model: KMD-450MAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
B	Refrigeration Circuit	-	1A1578A01	1								
C	Water Circuit	-	1A1339A01	1								
D	Control Box Assembly	-	2A4136A01	1								
D1	T2 Screw	4x8	7P31-0408	2								
E	Label Location	-	2A4139A01	1								
F	Front Panel Assembly	-	3A5196G01	1								
F1	Truss Head Screw	4x8, SS	7C32-0408	2								
G	Top Panel Assembly	-	3A4373G01	1								
1	Evaporator Case	-	1A1321G01	1								
2	Pump Case	-	3A4371G01	1								
2a	T2 Screw	4x8	7P31-0408	4								
3	Valve Cover	-	4A4336-01	1								
3a	T2 Screw	4x8	7P31-0408	2								
4	Front Frame	-	3A4375-01	1								
4a	Thumbscrew	Black	415949G12	3								

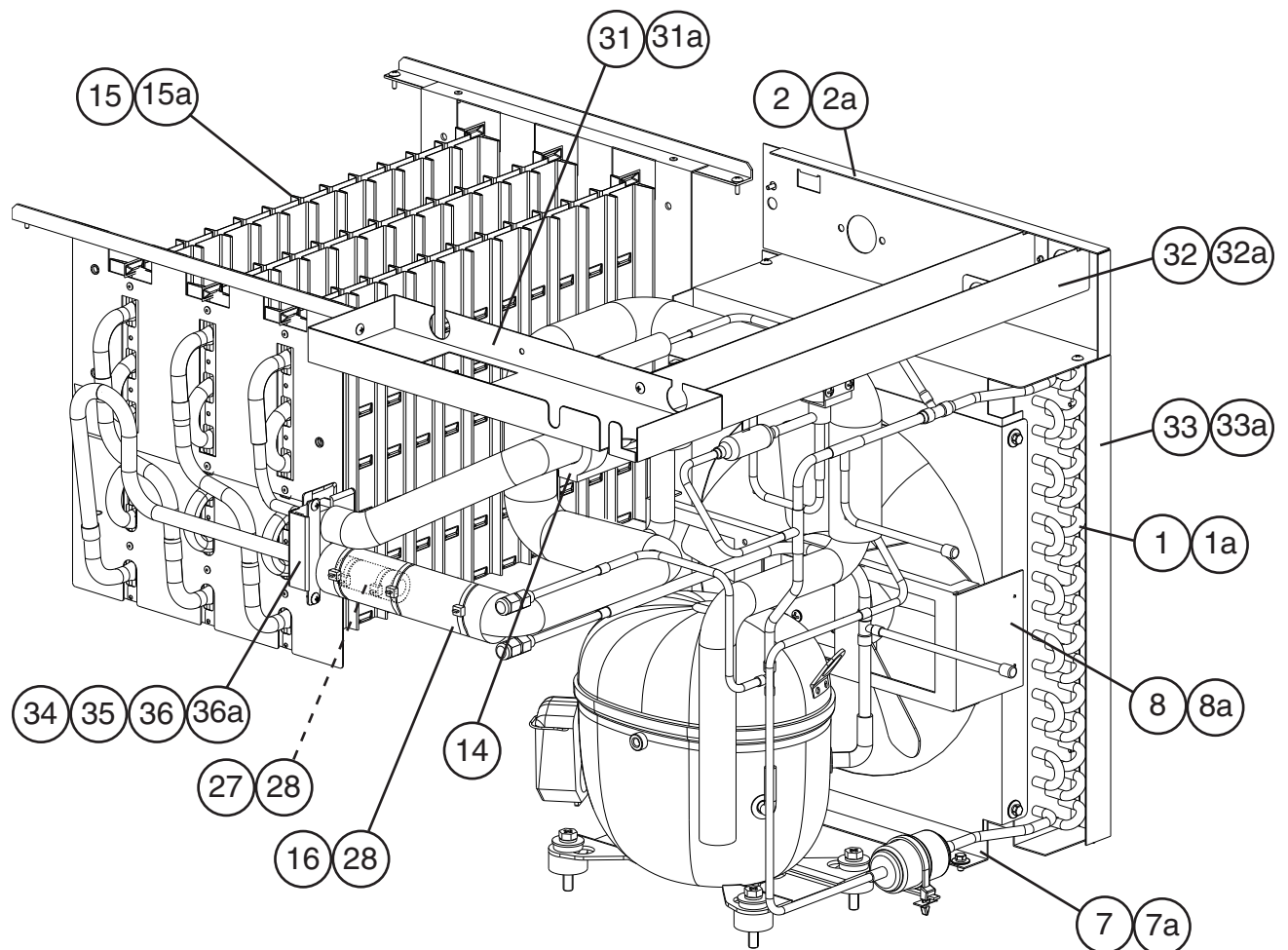
Title: A. Ice Cuber Assembly Model: KMD-450MAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
5	Side Frame (A)	-	3A4378-01	1								
5a	T2 Screw	4x8	7P31-0408	4								
6	Control Box Cover	-	3A4388-01	1								
6a	T2 Screw	4x8	7P31-0408	1								
7	Bin Control	-	3A4861G01	1								
7a	Thumbscrew	Black	415949G12	2								
8	Square Washer	Brass	433537-02	1								
9	Screw-Grounding	-	433304-02	1								
10	Bushing	SR-34-2	420472-05	1								
11	Bushing	OCB-1000	428394-05	2								
12	Bushing	OCB-875	428394-04	2								
13	Wire Saddle	VWS4238-C	4A0338-02	13								
14	Wire Saddle	VWS42105-C	4A0338-04	1								
15	Front Insulation	-	3A5570G01	1								
16	Top Insulation	-	3A4394G01	1								
17	Side Panel (R)	-	2A4137G01	1								
17a	T2 Screw	4x8	7P31-0408	1								
18	Louver	-	1A1329-01	1								
18a	T2 Screw	4x12	7P31-0412	2								
19	Air Filter	-	2A4128G01	2								

This exploded view diagram illustrates the assembly of a washing machine. The central component is the main body (1), which houses the drum (13) and the motor (12). The drum is supported by a suspension system (10, 11, 14). The front panel (15) is shown on the left, and the back panel (17) is on the right. The top panel (16) is shown above the main body. The door (2) is shown at the bottom, with its handle (7) and latch (4) visible. The diagram also shows the control panel (3) and the detergent drawer (5). Various screws and fasteners are indicated by numbers in circles, such as 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

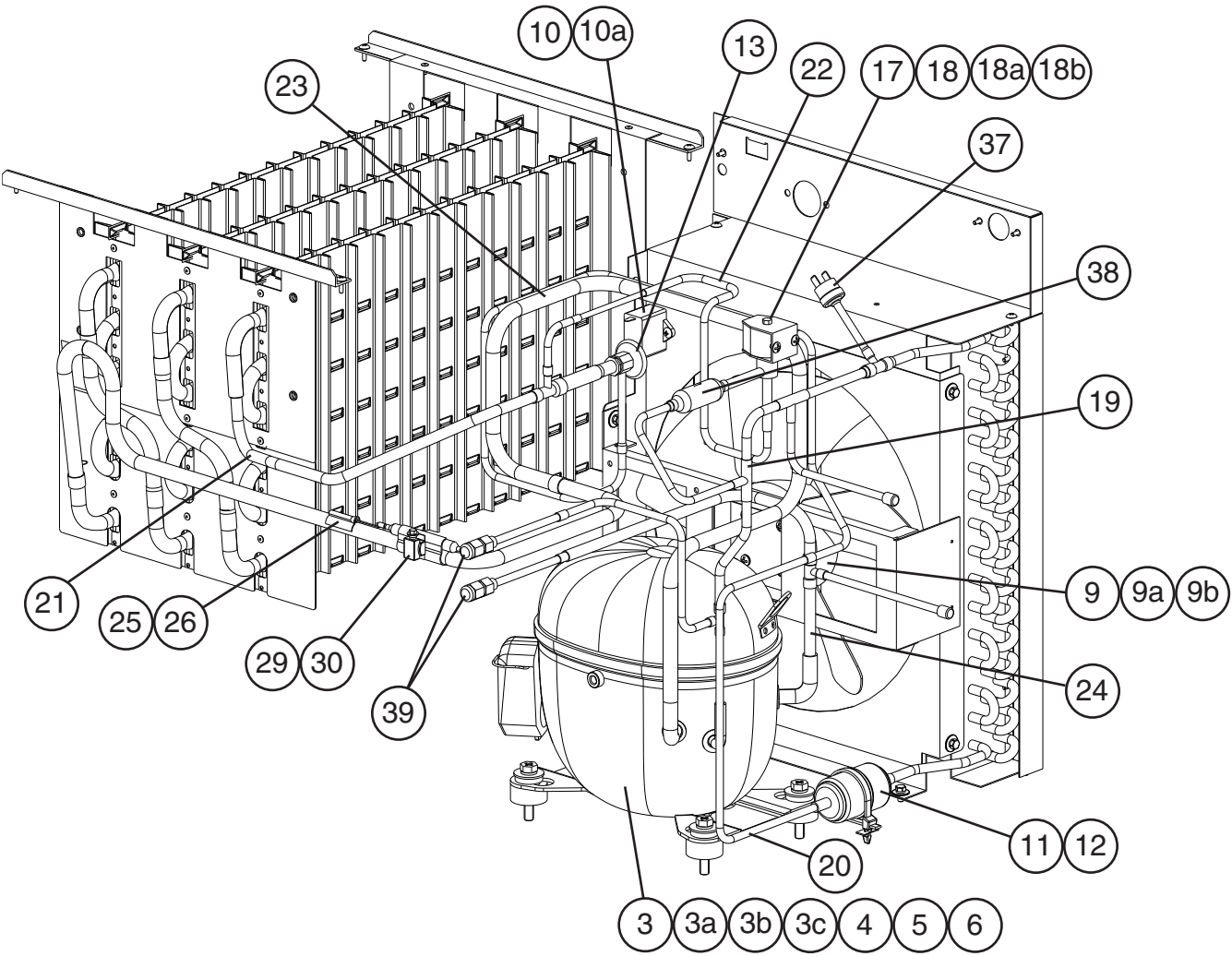
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Title: A. Ice Cuber Assembly Model: KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
5	Side Frame (A)	-	3A4378-01	1								
5a	T2 Screw	4x8	7P31-0408	4								
6	Control Box Cover	-	3A4388-01	1								
6a	T2 Screw	4x8	7P31-0408	1								
7	Bin Control	-	3A4861G01	1								
7a	Thumbscrew	Black	415949G12	2								
8	Square Washer	Brass	433537-02	1								
9	Screw-Grounding	-	433304-02	1								
10	Bushing	SR-34-2	420472-05	1								
11	Bushing	OCB-1000	428394-05	2								
12	Bushing	OCB-875	428394-04	2								
13	Wire Saddle	VWS4238-C	4A0338-02	10								
14	Wire Saddle	VWS42105-C	4A0338-04	1								
15	Front Insulation	-	3A5570G01	1								
16	Top Insulation	-	3A4394G01	1								
17	Side Panel (R)	-	2A4173G01	1								
17a	T2 Screw	4x8	7P31-0408	1								

B. Refrigeration Circuit
1/2
KMD-450MAH
 U-0



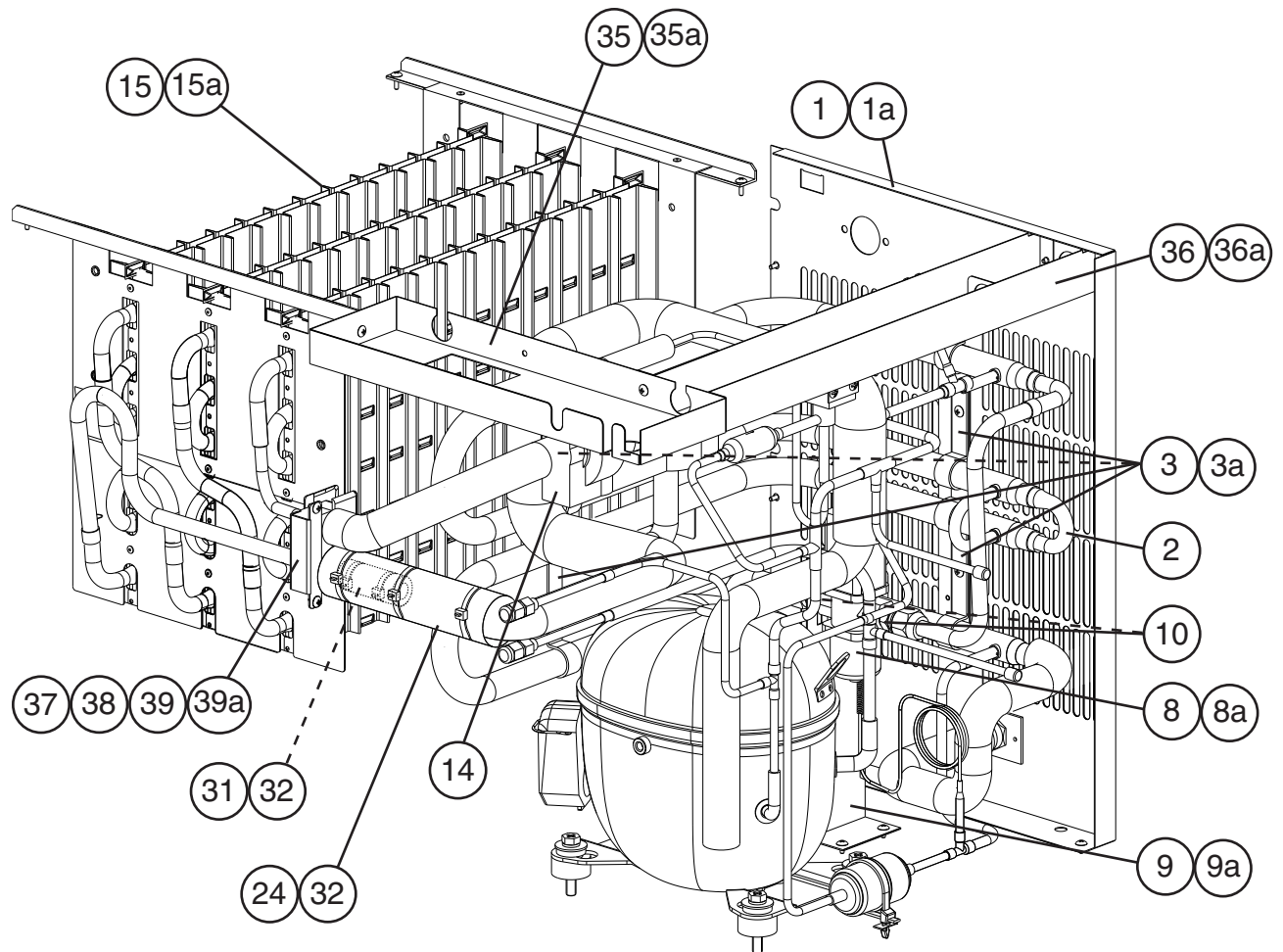
B. Refrigeration Circuit
2/2
KMD-450MAH
 U-0



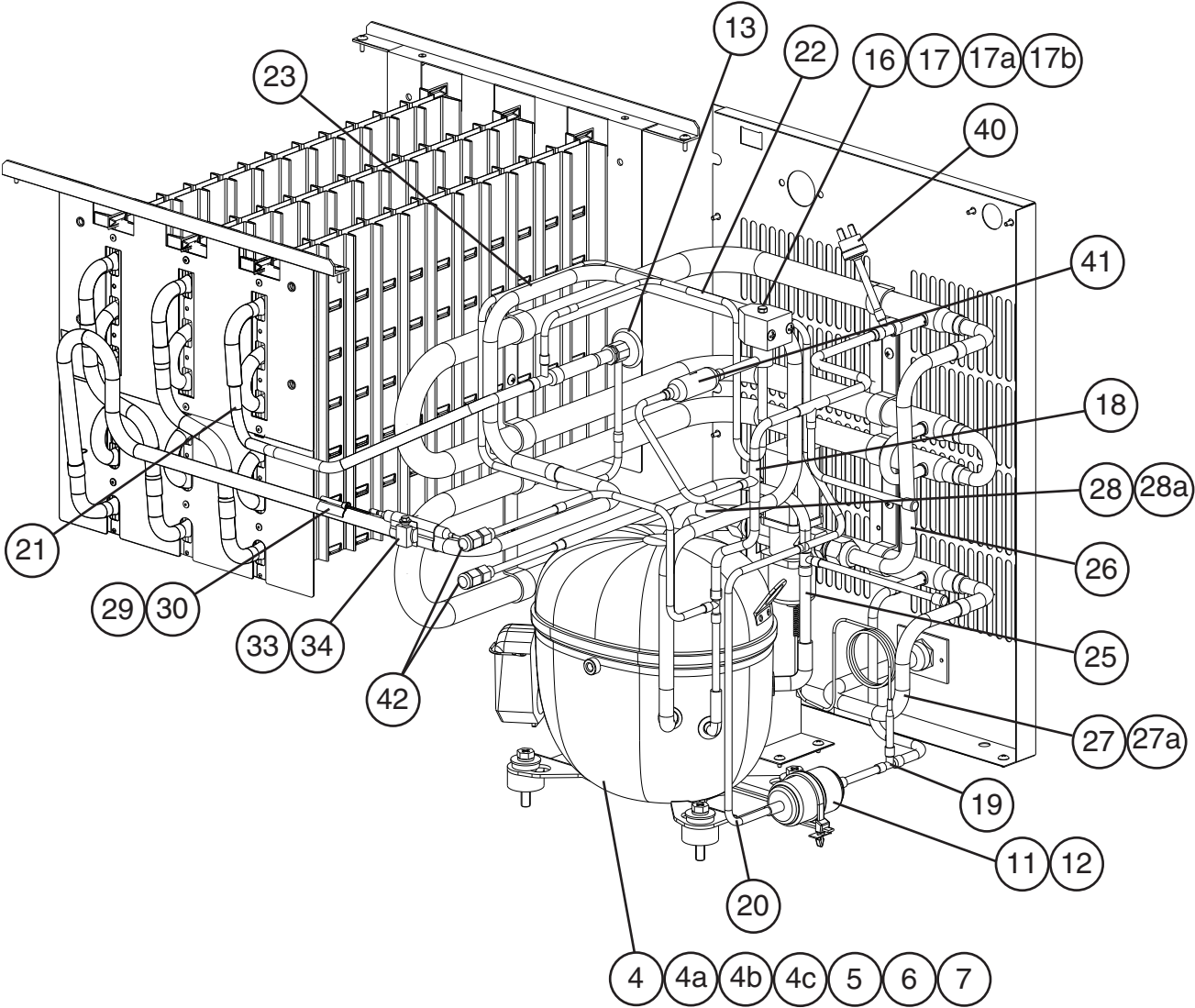
Title: B. Refrigeration Circuit Model: KMD-450MAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
1	Condenser	-	1A1363-01	1								
1a	T2 Screw	4x8	7P31-0408	4								
2	Rear Panel	-	2A4933-01	1								
2a	T2 Screw	4x8	7P31-0408	4								
3	Compressor	RST45C1E-CAA-202	4A4479-01	1								
3a	Spacer	-	4A2595-01	4								
3b	Grommet	-	4A2593-01	4								
3c	Bolt Assembly	8x45	437889-01	4								
4	Terminal Cover	-	4A4479F01	1								
5	Spring Clip	-	4A4479F02	1								
6	Protector	-	4A4463-02	1								
7	Bracket	-	4A4702-01	1								
7a	Hex Head Bolt w/Washer (LF)	5x10, SS	7B0230510	2								
8	Fan Motor Bracket/Shroud	-	2A4930G01	1								
8a	Hex Head Bolt w/Washer (LF)	5x10, SS	7B0230510	4								
9	Fan Motor (includes blade)	-	4A4246-01	1								
9a	Tooth Washer	M4	7R21-0400	4								
9b	Truss Head Screw	4x6	7C31-0406	4								
10	Capacitor-Fan Motor	6MFD, 220VAC	4A2128-08	1								
10a	T2 Screw	4x12	7P31-0412	1								
11	Drier	-	4A1113-01	1								
12	Nylon Tie	PLWP3H-TL	8911-0301	1								
13	Expansion Valve	-	4A1414-01	1								
14	Expansion Valve Cover	-	3A0944-01	1								
15	Evaporator	-	2A4144G01	1								
15a	T2 Screw	4x12, SS	7P32-0412	4								
16	Insulation Tube	L=180	7762-2943	1								
17	Valve Body-Hot Gas	-	4A3978-01	1								
18	Coil-Valve	-	4A3277-01	1								
18a	Bolt	-	4A3277F01	1								
18b	Truss Head Screw	4x6	7C31-0406	2								
19	Copper Tube (A)-High Side (includes items 37, 38, and one of item 39)	-	2A4927G01	1								
20	Copper Tube (B)-High Side	-	3A5181-01	1								
21	Copper Tube-Low Side	-	2A4146G01	1								
22	Copper Tube-Hot Gas	-	3A4400G01	1								
23	Heat Exchanger	-	2A5259G01	1								
24	Copper Tube-Access Valve (includes one of item 39)	-	3A5182G01	1								
25	Thermistor	-	P00027-01	1								
26	Holder-Thermistor	COPPER	427430-01	1								
27	Insulation-Thermistor	-	427441-01	1								
28	Nylon Tie	CV-200	7920-0010	5								
29	Holder-Expansion Valve	-	3A0107-01	1								
30	Hose Clamp	-	443461-02	1								
31	Top Frame	-	3A4380-01	1								
31a	T2 Screw	4x8	7P31-0408	2								

Title: B. Refrigeration Circuit Model: KMD-450MAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
32	Side Frame	-	3A4377-01	1								
32a	T2 Screw	4x8	7P31-0408	4								
33	Barrier	-	3A4379-01	1								
33a	T2 Screw	4x8	7P31-0408	2								
34	Rubber Insulation (A)	-	3A1044-01	1								
35	Rubber Insulation (B)	-	3A1045-01	1								
36	Insulation Holder	SS	4A1550-01	1								
36a	T2 Screw	4x8, SS	7P32-0408	2								
37	Pressure Switch	ACB-1UB44	463180-04	1								
38	Strainer	-	441569-02	1								
39	Access Valve	-	457729-01	2								

B. Refrigeration Circuit
1/2
KMD-450MWH
 U-0



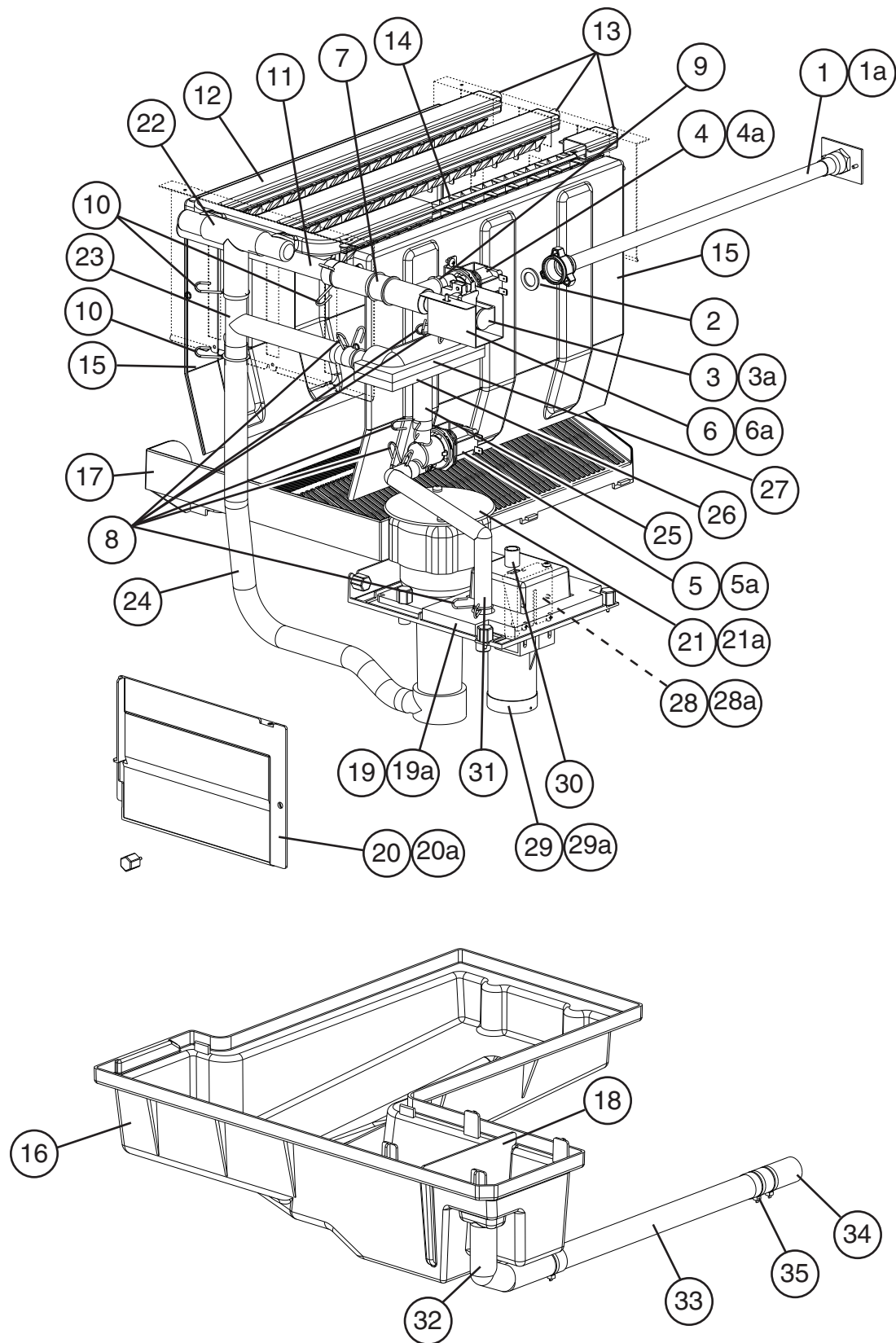
B. Refrigeration Circuit
2/2
KMD-450MWH
U-0



Title: B. Refrigeration Circuit Model: KMD-450MWH													
Index No.	Description	Material or Model Number	Part Number	Required Number									
				U-0									
1	Rear Panel	-	2A4174G01	1									
1a	T2 Screw	4x8	7P31-0408	4									
2	Condenser-Water Cooled	HS-0201	2A4172G01	1									
3	Strap	-	433427-01	4									
3a	T2 Screw	4x8	7P31-0408	4									
4	Compressor	RST45C1E-CAA-202	4A4479-01	1									
4a	Spacer	-	4A2595-01	4									
4b	Grommet	-	4A2593-01	4									
4c	Bolt Assembly	8x45	437889-01	4									
5	Terminal Cover	-	4A4479F01	1									
6	Spring Clip	-	4A4479F02	1									
7	Protector	-	4A4463-02	1									
8	Water Regulator	-	4A0911-06	1									
8a	Truss Head Screw	4x8, SS	7C32-0408	2									
9	Water Regulator Bracket	-	4A4265-01	1									
9a	T2 Screw	4x8	7P31-0408	2									
10	Male Connector	-	4A1087-01	2									
11	Drier	-	4A1113-01	1									
12	Nylon Tie	PLWP3H-TL	8911-0301	1									
13	Expansion Valve	-	4A1414-01	1									
14	Expansion Valve Cover	-	3A0944-01	1									
15	Evaporator	-	2A4144G01	1									
15a	T2 Screw	4x12, SS	7P32-0412	4									
16	Valve Body-Hot Gas	-	4A3978-01	1									
17	Coil-Valve	-	4A3277-01	1									
17a	Bolt	-	4A3277F01	1									
17b	Truss Head Screw	4x6	7C31-0406	2									
18	Copper Tube (A)-High Side (includes items 40, 41, and one of item 42)	-	2A4941G01	1									
19	Copper Tube (B)-High Side	-	4A4266G01	1									
20	Copper Tube (C)-High Side	-	3A5186-01	1									
21	Copper Tube-Low Side	-	2A4146G01	1									
22	Copper Tube-Hot Gas	-	3A4954G01	1									
23	Heat Exchanger	-	2A5259G01	1									
24	Insulation Tube	L=180	7762-2943	1									
25	Copper Tube-Access Valve (includes one of item 42)	-	3A5182G01	1									
26	Copper Tube (A)	-	4A4267G01	1									
27	Copper Tube (B)	-	4A4268G01	1									
27a	T2 Screw	4x8	7P31-0408	2									
28	Copper Tube (C)	-	4A4269G01	1									
28a	T2 Screw	4x8	7P31-0408	2									
29	Thermistor	-	P00027-01	1									
30	Holder-Thermistor	COPPER	427430-01	1									
31	Insulation-Thermistor	-	427441-01	1									
32	Nylon Tie	-	7920-0010	5									
33	Holder-Expansion Valve	-	3A0107-01	1									
34	Hose Clamp	-	443461-02	1									

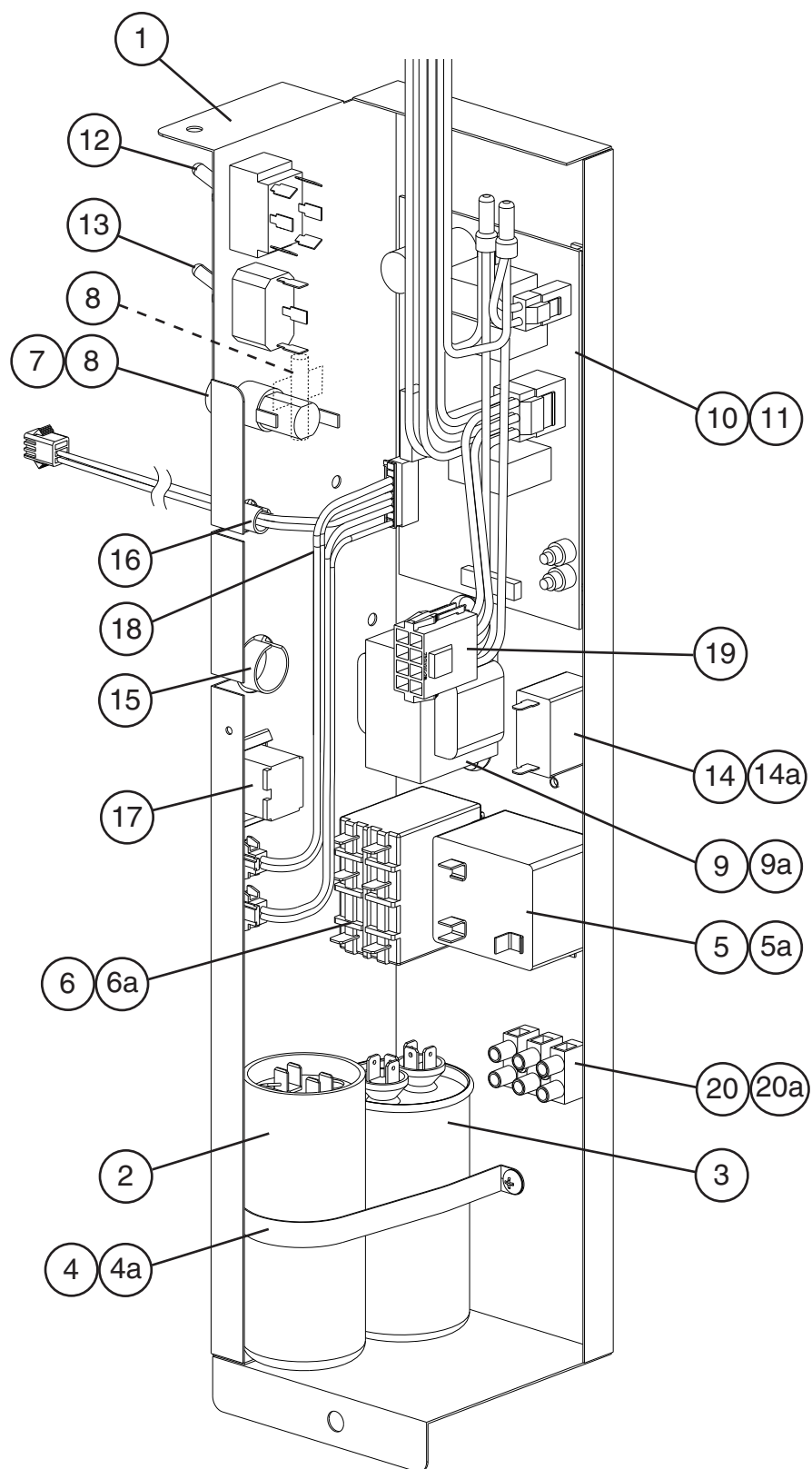
Title: B. Refrigeration Circuit Model: KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
35	Top Frame	-	3A4380-01	1								
35a	T2 Screw	4x8	7P31-0408	2								
36	Side Frame	-	3A4377-01	1								
36a	T2 Screw	4x8	7P31-0408	4								
37	Rubber Insulation (A)	-	3A1044-01	1								
38	Rubber Insulation (B)	-	3A1045-01	1								
39	Insulation Holder	SS	4A1550-01	1								
39a	T2 Screw	4x8, SS	7P32-0408	2								
40	Pressure Switch	ACB-1UB43	463180-05	1								
41	Strainer	-	441569-02	1								
42	Access Valve	-	457729-01	2								

C. Water Circuit
KMD-450MAH, KMD-450MWH
 U-0



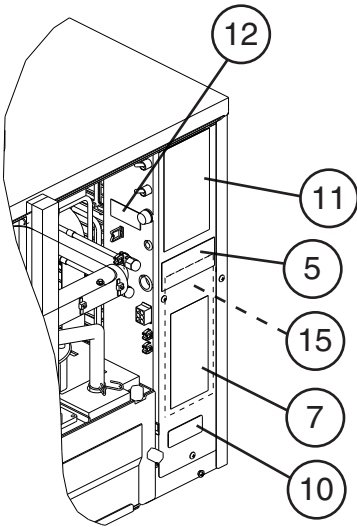
Title: C. Water Circuit Model: KMD-450MAH, KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
1	Water Supply Pipe	-	4A4250G01	1								
1a	T2 Screw	4x8, SS	7P32-0408	2								
2	Rubber Gasket	-	413854-03	1								
3	Water Valve (inlet)	J248-033	3U0111-03	1								
3a	Truss Head Screw	4x8, SS	7C32-0408	2								
4	Solenoid Valve (Wash)	-	4A3722-01	1								
4a	T2 Screw	4x8, SS	7P32-0408	2								
5	Solenoid Valve (Drain)	-	4A3722-03	1								
5a	T2 Screw	4x8, SS	7P32-0408	2								
6	Water Valve Bracket	-	3A4385-01	1								
6a	T2 Screw	4x8	7P31-0408	1								
7	Hose-Water Valve	-	3A4366-01	1								
8	Hose Clamp	18 mm, SS	427443-05	6								
9	Hose Clamp	20 mm, SS	427443-06	1								
10	Hose Clamp	25 mm, SS	427443-03	3								
11	Water Supply Tube	-	2A4132-01	1								
12	Spray Tube	-	2A4133-01	1								
13	Plug	SANTOPRENE	4A0176-01	3								
14	Spray Guide	-	2A4282-04	3								
15	Water Guide	-	3A4387G01	2								
16	Tank	-	1A1335-01	1								
17	Cube Guide	-	1A1336-01	1								
18	Separator-Tank	-	4A4239-01	1								
19	Pump Motor Bracket	-	4A4251G01	1								
19a	Thumbscrew	BLACK	415949G12	2								
20	Front Insulation (B)	-	3A4386G01	1								
20a	Thumbscrew	BLACK	415949G12	2								
21	Pump Motor	-	4A4259-01	1								
21a	Thumbscrew	BLACK	415949G12	1								
22	Hose Inlet	-	3A4368-01	1								
23	Water Pipe	-	3A4369-01	1								
24	Vinyl Hose	L=225	7716-2025	1								
25	Bypass Hose	-	3A4370-01	1								
26	Insulation (A)	-	4A4241-01	1								
27	Insulation (B)	-	4A4242-01	1								
28	Float Switch Bracket	-	327757-01	1								
28a	T2 Screw	4x12, SS	7P32-0412	1								
29	Float Switch	-	4A3624-04	1								
29a	T2 Screw	4x12, SS	7P32-0412	2								
30	Vinyl Hose	L=35	7716-1216	1								
31	Drain Hose (A)	-	4A4243-01	1								
32	Drain Hose-PM	-	4A4245-01	1								
33	PVC Pipe	L=390	433509-01	1								
34	Drain Hose	-	434808-01	1								
35	Nylon Tie	-	7920-0003	3								

D. Control Box Assembly
KMD-450MAH, KMD-450MWH
 U-0

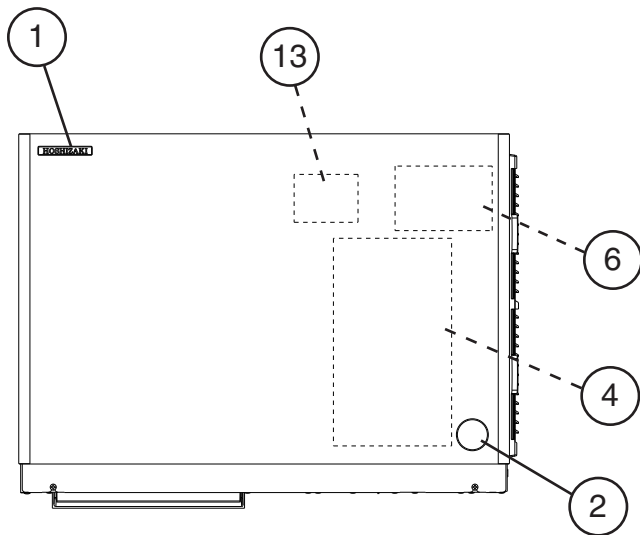
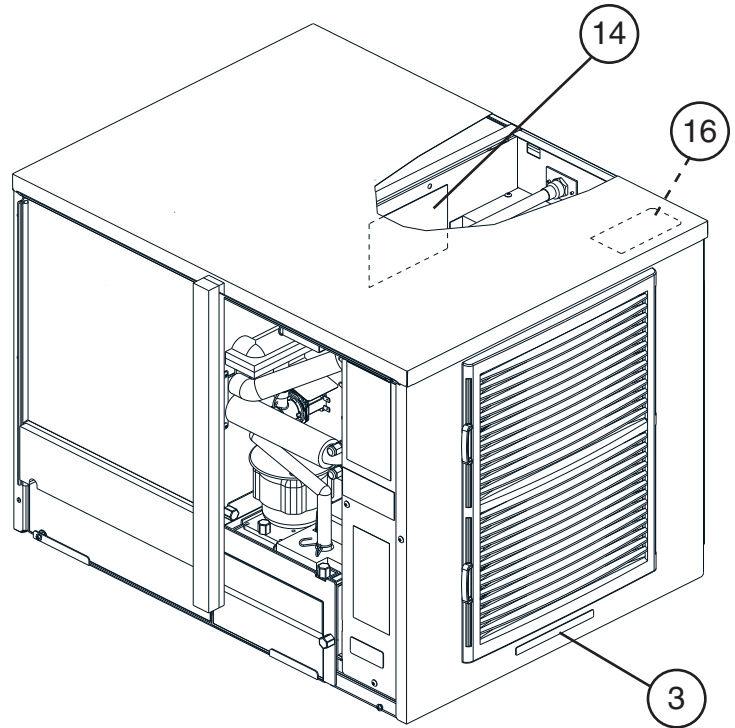


Title: D. Control Box Assembly Model: KMD-450MAH, KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
1	Control Box	-	2A4150-01	1								
2	Capacitor-Start	243-292MFD, 165V	3A0076-20	1								
3	Capacitor-Run	35MFD, 440V	3A2005-12	1								
4	Strap	GS	4A2262-03	1								
4a	T2 Screw	4x8	7P31-0408	1								
5	Starter (Relay)	3ARR3CT5M5	4A1107-11	1								
5a	T2 Screw	4x8	7P31-0408	1								
6	Magnetic Contactor	-	428393-01	1								
6a	T2 Screw	4x8	7P31-0408	2								
7	Fuse Holder	HTB82I	4A3449-01	1								
8	Fuse	AGC-10, 250V, 10A	4A0893-07	2								
9	Transformer	-	3A4395-01	1								
9a	T2 Screw	4x8	7P31-0408	1								
10	Control Board	-	P00013-02	1								
11	Board Support	CBLS37-M	4A0336-03	4								
12	Toggle Switch (Control)	8966K84	443119-01	1								
13	Toggle Switch (Service)	8966K211	4A0985-01	1								
14	Capacitor-Pump Motor	2.5MFD, 250VAC	4A2128-05	1								
14a	T2 Screw	4x12	7P31-0412	1								
15	Bushing	OCB-875	428394-04	1								
16	Bushing	OCB-500	428394-02	1								
17	Plug Housing	6P 3191-06-P	412832-03	1								
18	Wire Harness (A)	-	4A4360G01	1								
19	Wire Harness (Diagnostic Connector)	-	3A4673G01	1								
20	Terminal Block (Compressor Terminal Block)	-	4A1026-01	1								
20a	Pan Head Screw	3x16, SS	7C12-0346	2								

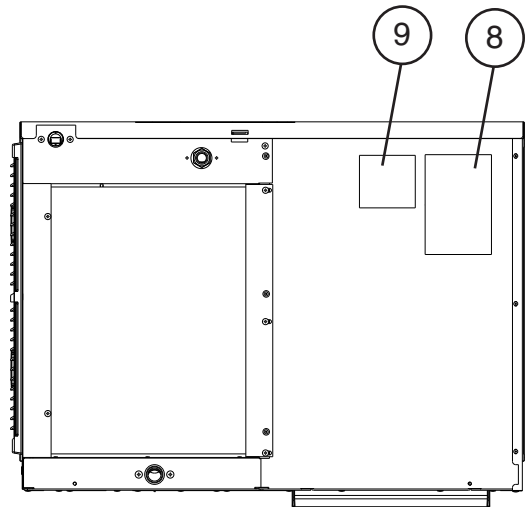
E. Label Location
KMD-450MAH, KMD-450MWH
 U-0



Control Box



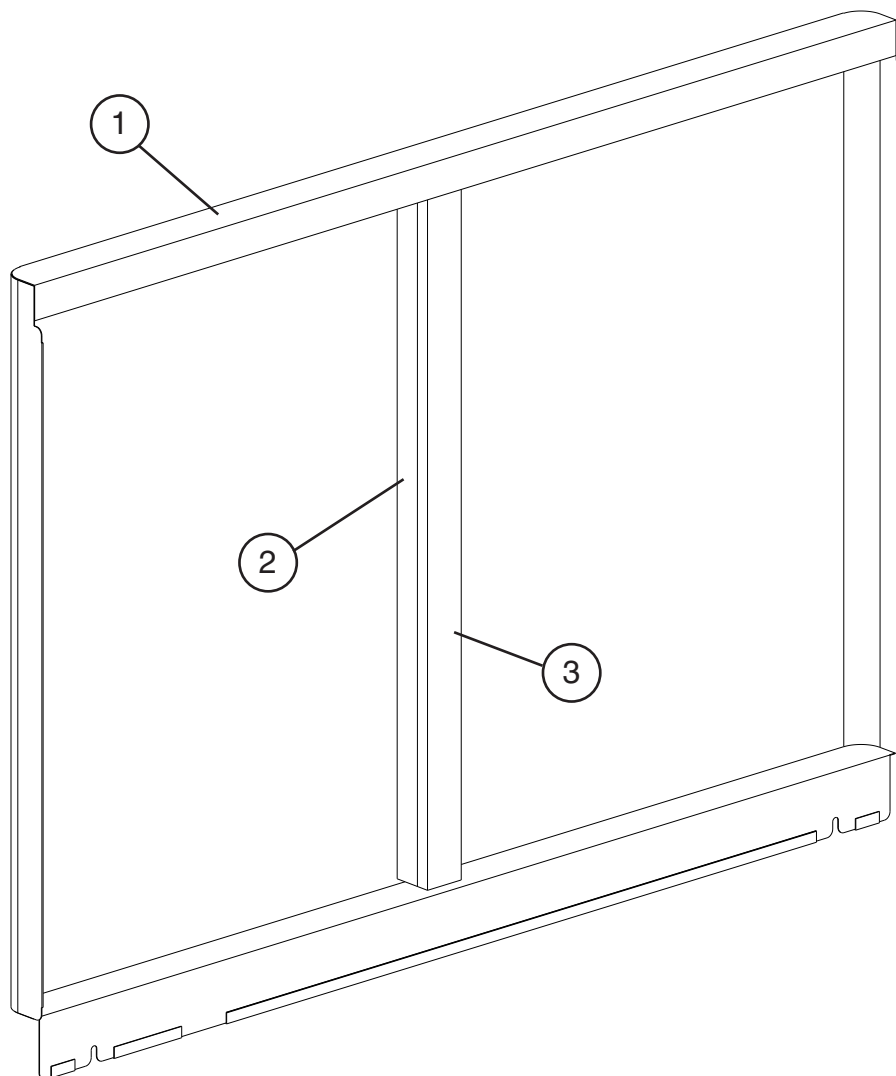
Front



Rear

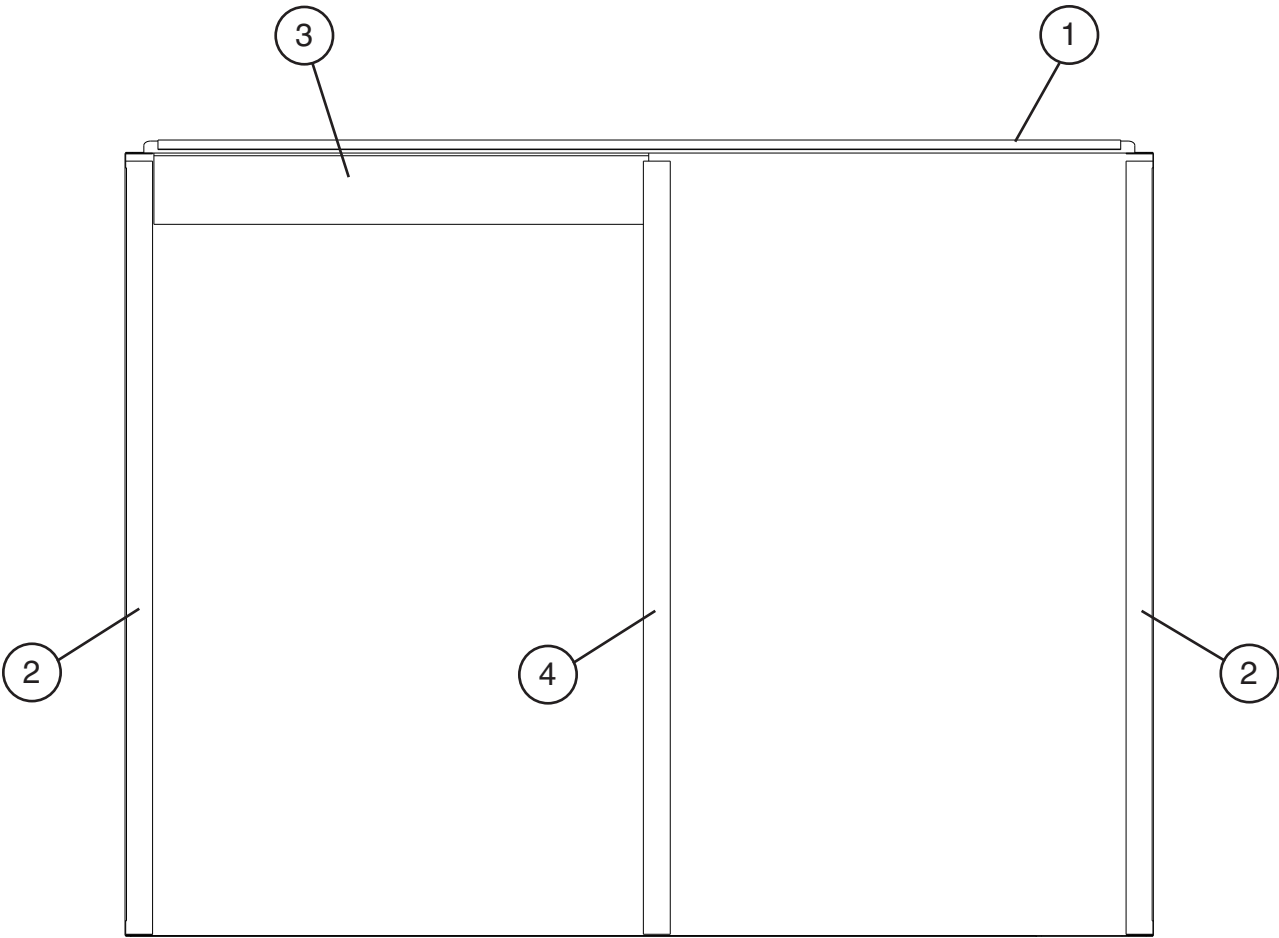
Title: E. Label Location Model: KMD-450MAH, KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
1	Emblem	-	4A2112-01	1								
2	Label-Penguin-HA-L	-	456246-02	1								
3	Label-Air Filter	KMD-450MAH	426177-01	1								
4	Maintenance Label	-	3A4562-01	1								
5	Caution Label (F)	KMD-450MAH	439146-01	1								
6	Wiring Label	-	3A4563-01	1								
7	Caution Label (H)	-	439148-01	1								
8	Nameplate	KMD-450MAH	2A4336-01	1								
		KMD-450MWH	2A4336-02	1								
9	Instruction Label	-	444575-01	1								
10	Label-R404A	-	4A0960-01	1								
11	Manual Label	-	4A4363-01	1								
12	Label-Fuse	-	4A2817-01	1								
13	Label-Alarm	-	370310L01	1								
14	Rating Label	KMD-450MAH	2A4337-01	1								
		KMD-450MWH	2A4337-02	1								
15	Label-Control Board	-	370605L01	1								
16	Tag-Warning: Electrical Connection	-	435005-01	1								

F. Front Panel Assembly
KMD-450MAH, KMD-450MWH
 U-0



Title: F. Front Panel Assembly Model: KMD-450MAH, KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
1	Front Panel (A)	-	2A4945-01	1								
2	Foam Seal	L=510	4A0661L01	1								
3	Foam Seal	L=510	4A1163L01	1								

G. Top Panel Assembly
KMD-450MAH, KMD-450MWH
 U-0



Title: G. Top Panel Assembly Model: KMD-450MAH, KMD-450MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				U-0								
1	Top Panel	-	2A4153-01	1								
2	Gasket	-	427014-04	2								
3	Insulation	-	438012-02	1								
4	Gasket	-	3A4373-04	1								

H. Accessories & Packaging

KMD-450MAH, KMD-450MWH

U-0

Title: H. Accessories & Packaging Model: KMD-450MAH, KMD-450MWH													
Index No.	Description	Material or Model Number	Part Number	Required Number									
				U-0									
1	Instruction Manual	-	91A7BA10A	1									
2	Universal Brace	GS	4A0363-01	2									
2a	Hex Bolt Assembly	5x12	7B0130512	2									
-	Packaging	-	2A4769A01										