



TRANSICOLD

Marine/Industrial Single Package Cooling Unit

90MA/MF/MU

**Design Series One, Beginning Serial
Number C96741 & Design Series Two**

**SERVICE
PARTS LIST**



TRANSICOLD

Service Parts List

SINGLE PACKAGE COOLING UNIT

90MA/MF/MU

**Design Series One, Beginning Serial
Number C96741 & Design Series Two**

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Carrier Refrigeration Operations, A member of the United Technologies Corporation family. Stock symbol UTX.
Carrier Transicold, Carrier Corporation, P.O. Box 4805, Syracuse, N.Y. 13221 U. S. A.

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Carrier

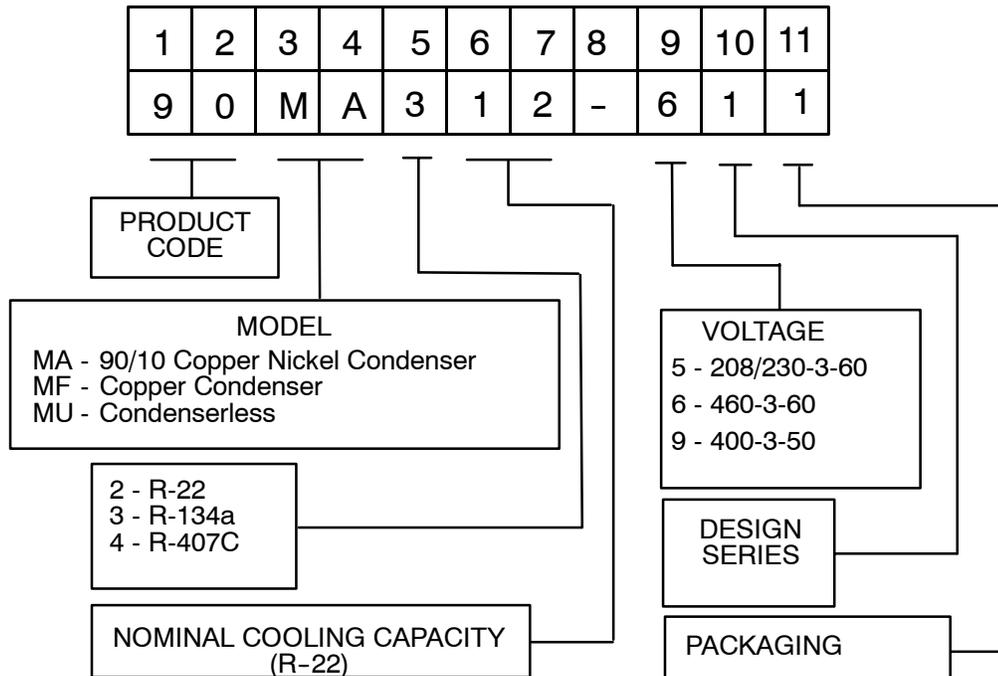
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INTRODUCTION

This Parts List identifies service replacement parts for the Carrier Transicold Single Package Cooling Units in the Model Chart that follows. Two distinct families of units are covered, Design Series One and Design Series Two. Series one unit coverage begins with serial number C96741, and are those units with the thermostat and selector switch located inside the grille. Series two unit coverage begins with serial number CF00400 and are those units with the thermostat and selector switch accessible from the front of the unit. The unit series can also be identified by the entry in the model number tenth position.

To find replacement parts, determine major group in which replacement parts are located (refer to the table of contents) and turn to the appropriate page for the illustrated breakdown of the replacement parts. This Parts List does not include detailed replacement parts for the serviceable compressors. Detailed Parts identification for this may be found in the 06D Compressor Parts List.

MODEL CHART



ORDERING INSTRUCTIONS

All orders and inquiries for parts must include: Unit Serial Number, Part No., description of part as shown on list and quantity required. Address all correspondence for parts to the following address or Fax number:

MAIL : CARRIER TRANSICOLD DIVISION
 Replacement Components Group, TR-20
 P.O. Box 4805
 Syracuse, NY 13221
 FAX: (315) 432-3778

GENERAL NOTES

1. This catalog contains those items most commonly required for replacement purposes. If parts other than those cataloged are required, please provide the model number and serial number of the unit on which the parts are to be used and a complete description including references to items which are cataloged.
2. Casing parts and panels are not normally stocked, but are available upon request while in production. Requests for casing parts and panels for units no longer in production must be cleared for availability prior to submitting an order.
3. The replacement parts listed in this catalog are RCG "Factory-Authorized Parts" and, as a result of "standardization," may not be identical to the original part furnished on the equipment.
4. The following letter designations are used to classify parts throughout this list:
 A/R = As Required, PL = Purchase Locally, NS = Not Shown In Illustration



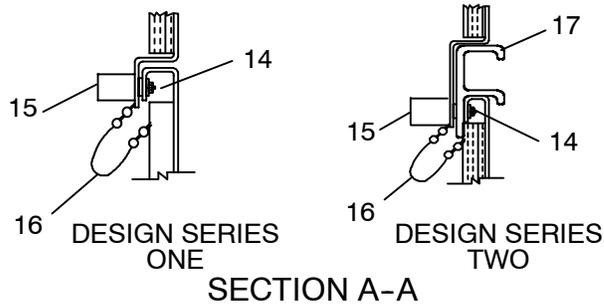
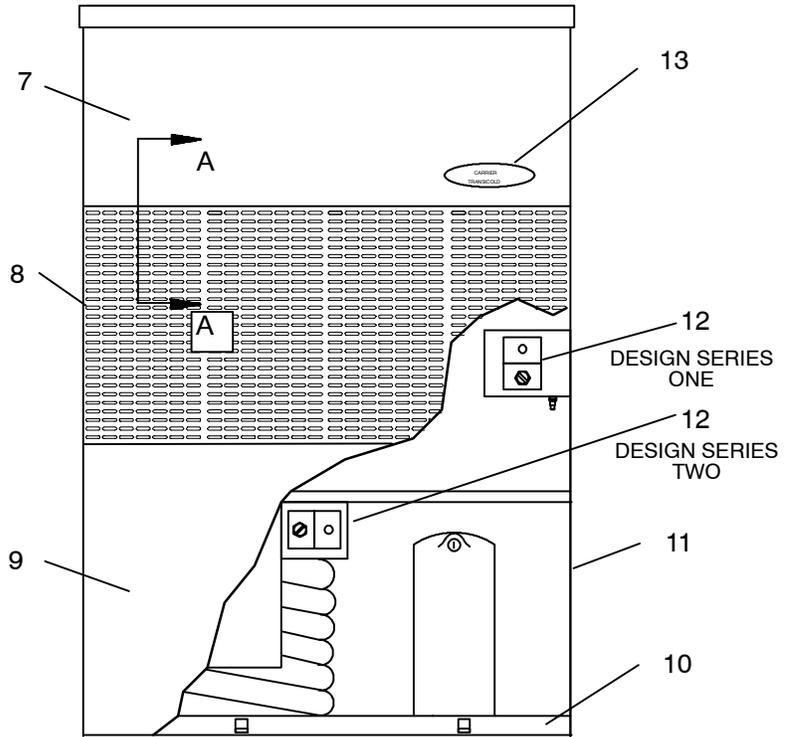
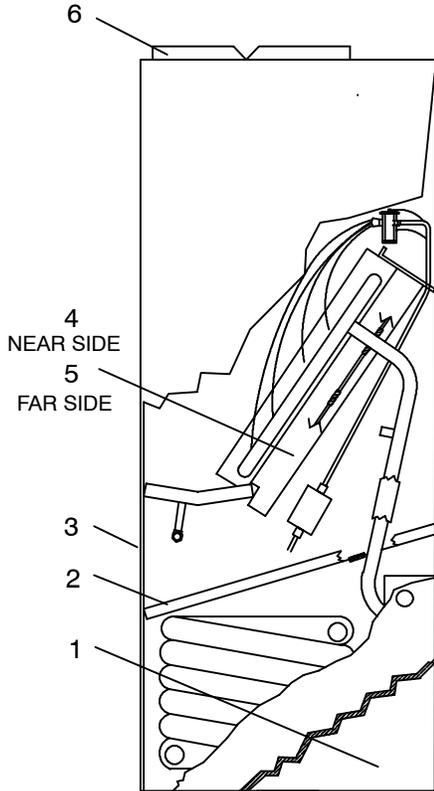
TRANSICOLD

Single Package Cooling Unit

90MA/MF/MU

CASING GROUP

SIZE: 004-006





Single Package Cooling Unit

90MA/MF/MU

CASING GROUP **SIZE: 004-006**

ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU							
			204- 511	204 -611/911	206- 511	206- 611/911	204/404- 521	204/404-621/921	206/406- 521	206/406-621/921
CASING GROUP										
1	Insulation Assembly, LH Side	50BA413523	1	1	1	1	-	-	-	-
		90MA006-202	-	-	-	-	1	1	1	1
2	Insulation Assembly, Sound Panel	50BU401254	1	1	1	1	1	1	1	1
3	Insulation Assembly, Rear Panel	50BA407643	1	1	1	1	-	-	-	-
		90MA006-212	-	-	-	-	1	1	1	1
4	Mounting Angle, Coil	50BA514262	1	1	1	1	1	1	1	1
5	Mounting Angle, Coil	50BA514272	1	1	1	1	1	1	1	1
6	Insulation Assembly, Top Panel (Fan Deck)	see item 58	1	1	1	1	1	1	1	1
7	Panel Assembly, Front Top	50BA413463	1	1	1	1	-	-	-	-
		90MA006-222	-	-	-	-	1	1	1	1
8	Grille, Inlet	50BA413583	1	1	1	1	-	-	-	-
		90MA006-1052	-	-	-	-	1	1	1	1
9	Panel Assembly, Front Bottom	50BA413463	1	1	1	1	-	-	-	-
		90MA006-232	-	-	-	-	1	1	1	1
10	Pan, Base	50BA412554	1	1	1	1	-	-	-	-
		90MA006-1082	-	-	-	-	1	1	1	1
11	Insulation Assembly, RH Side	50BA412494	1	1	1	1	-	-	-	-
		90MA006-242	-	-	-	-	1	1	1	1
12	Bracket, Switch	90MA012-1032	1	1	1	1	-	-	-	-
		90MA012-1062	-	-	-	-	1	1	1	1
13	Decal	62-03382-06	1	1	1	1	1	1	1	1
14	Strike	KA06KM025	2	2	2	2	2	2	2	2
15	Catch	KA07AH035	2	2	2	2	2	2	2	2
16	Chain, Retainer	50BA515182	1	1	1	1	1	1	1	1
17	Handle, Inlet Grille	90MA006-1072	-	-	-	-	1	1	1	1



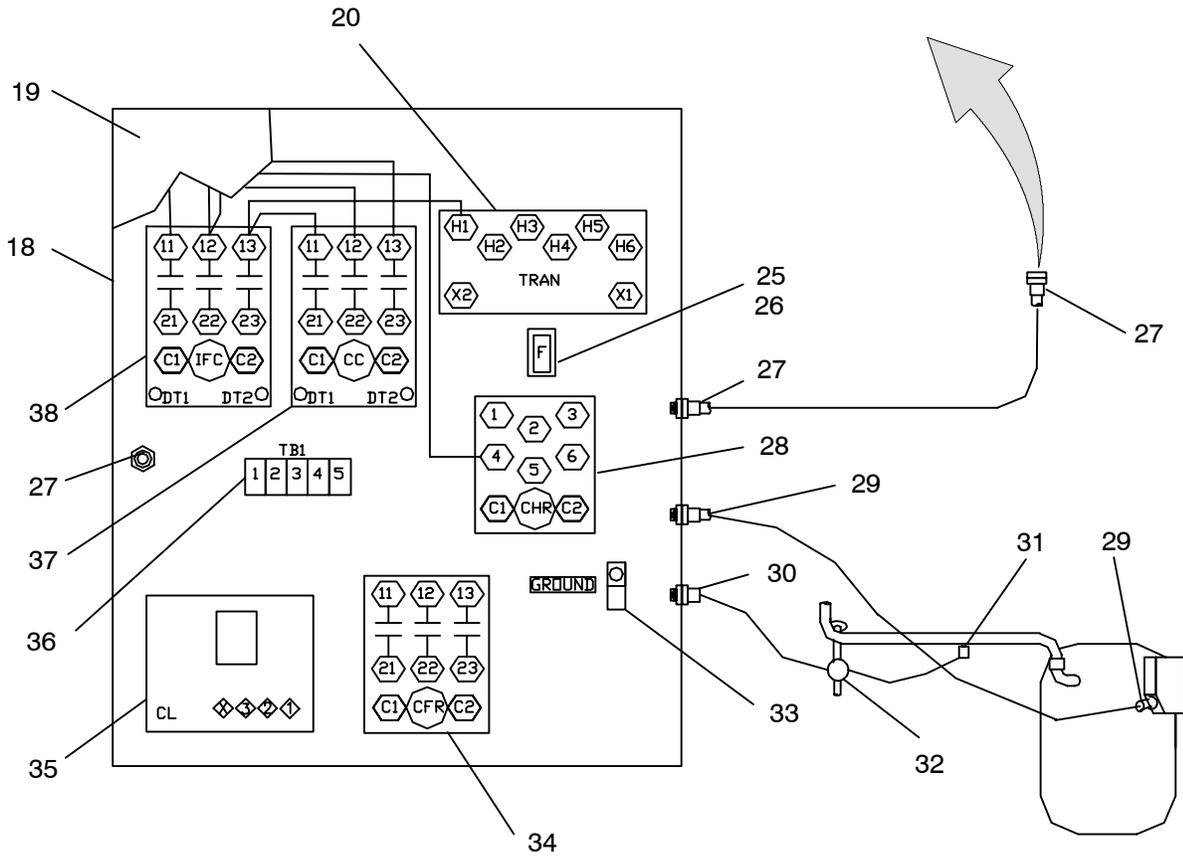
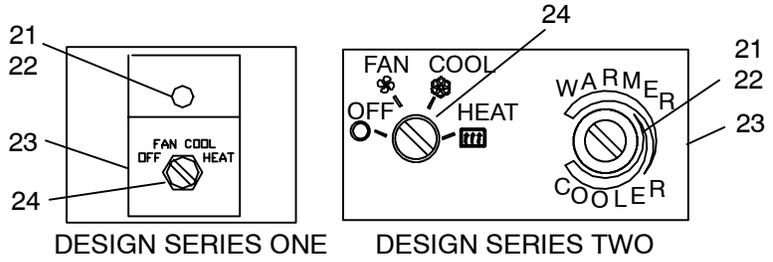
TRANSICOLD

Single Package Cooling Unit

90MA/MF/MU

CONTROL BOX GROUP

SIZE: 004-006



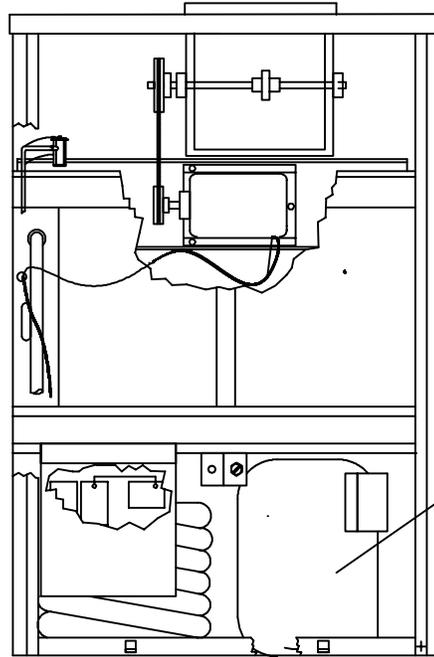
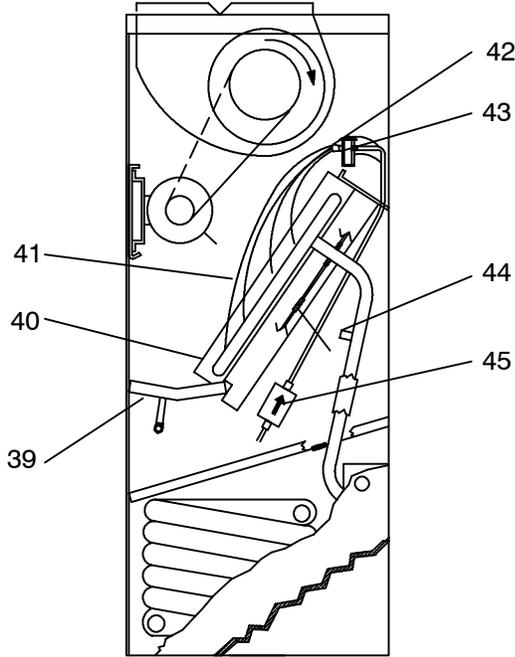


Single Package Cooling Unit

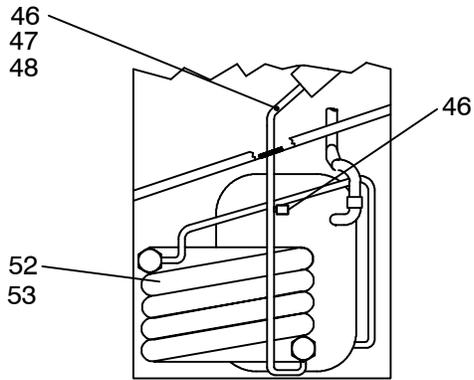
90MA/MF/MU

CONTROL BOX GROUP **SIZE: 004-006**

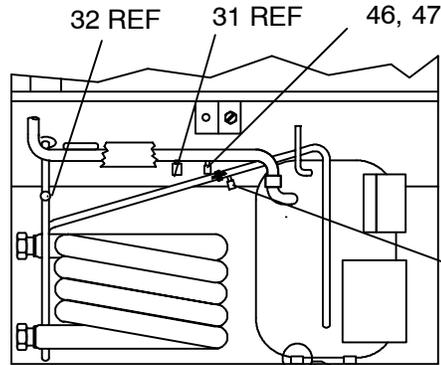
ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU				MA/MF/MU			
			204-511	204-611/911	206-511	206-611/911	204/404-521	204/404-622/921	206/406-521	206/406-621/921
CONTROL BOX GROUP										
18	Box, Control	50BA511244	1	1	1	1	-	-	-	-
		90MA012-1102	-	-	-	-	1	1	1	1
19	Cover, Control Box	50BA510773	1	1	1	1	1	1	1	1
20	Transformer (TRAN)	90C02-1291-00	1	1	1	1	1	1	1	1
21	Thermostat (T)	HH22AC090	1	1	1	1	1	1	1	1
22	Knob Assembly	50BA41193	1	1	1	1	-	-	-	-
		90MA012-252	-	-	-	-	1	1	1	1
23	Label, Thermostat	90MA012-1001	1	1	1	1	-	-	-	-
		90MA012-1021	-	-	-	-	1	1	1	1
24	Switch, Rotary	90C02-1281-00	1	1	1	1	1	1	1	1
25	Fuse Block	90C02-1241-00	1	1	1	1	1	1	1	1
26	Fuse	90C02-1261-01	1	1	1	1	1	1	1	1
27	Connector (Conduit)	66U1-8592-1	4	4	4	4	4	4	4	4
28	Relay, Crankcase Heater (CHR)	HN61KK040	1	1	1	1	1	1	1	1
29	Connector (Conduit)	66U1-8592-2	2	2	2	2	2	2	2	2
30	Strain Relief	HW60FA500	1	1	1	1	1	1	1	1
31	Switch, Low Pressure (LPS)	HK02ZB028A	1	1	1	1	1	1	1	1
32	Switch, High Pressure (HPS) 90MA/MF	HK02ZA395	1	1	1	1	1	1	1	1
	Switch, High Pressure (HPS) 90MU Only	HK02ZA429A	1	1	1	1	1	1	1	1
33	Cable Terminal	HY90HR001	1	1	1	1	1	1	1	1
34	Condenser Fan Relay (CFR) - 90MU Only	HN53CC024	1	1	1	1	1	1	1	1
35	Relay, Compressor Lockout (CLO)	38HQ660014	1	1	1	1	1	1	1	1
36	Block, Terminal (TB1)	HY84FE031	1	1	1	1	1	1	1	1
37	Contactor, Compressor (CC)	HN53CC024	1	1	1	1	1	1	1	1
38	Contactor, Indoor Fan (IFC)	HN53CC024	1	1	1	1	1	1	1	1



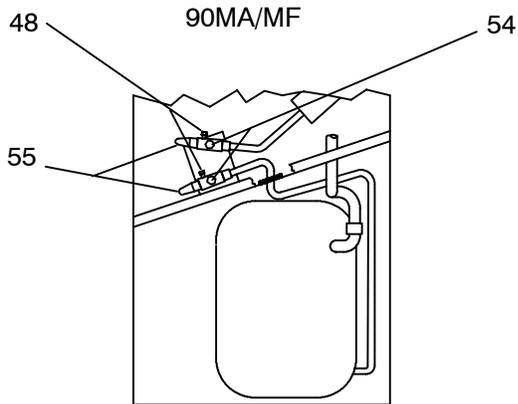
56, 57 SEE
COMPRESSOR/OIL
GROUP Page 8



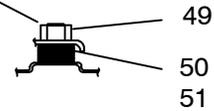
90MA/MF



46 90MA/MF
47 ONLY
48



90MU ONLY





Single Package Cooling Unit

90MA/MF/MU

REFRIGERATION COMPONENTS GROUP SIZE: 004-006

ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU							
			204-511	204-611/911	206-511	206-611/911	204/404-521	204/404-621/921	206/406-521	206/406-621/921
REFRIGERATION COMPONENTS GROUP										
39	Condensate Pan Assembly	50BA412523	1	1	1	1	-	-	-	-
		90MA006-1092	-	-	-	-	1	1	1	1
40	Coil Assembly, Evaporator - Includes:	50BA405594	1	1	-	-	1	1	-	-
		50BA405574	-	-	1	1	-	-	1	1
41	... Tube, Feeder	50BA508472	4	4	-	-	4	4	-	-
		50BA508462	-	-	6	6	-	-	6	6
42	... Distributor	EA08QC014	1	1	-	-	1	1	-	-
		EA08QC017	-	-	1	1	-	-	1	1
43	Valve, Expansion (TXV)	EA36DC365	1	1	-	-	-	-	-	-
		EA02XC406	-	-	1	1	-	-	-	-
		90C02-4042	-	-	-	-	1	1	-	-
		90C02-4052	-	-	-	-	-	-	1	1
44	Plug, Fusible	EK01JA203	1	1	1	1	1	1	1	
45	Drier, Filter	KH45LD065	1	1	-	-	1	1	-	-
		KH45LD118	-	-	1	1	-	-	1	1
46	Body, Schreader Valve	EC39DM061	A/R							
47	Core, Schreader Valve	EC39EZ062	A/R							
48	Cap, Flare	DD19CA061	A/R							
49	Nut, Lock	AT58AB205	3	3	3	3	3	3	3	3
50	Grommet	P041-5107	3	3	3	3	3	3	3	3
51	Sleeve, Grommet	KA56TS015	3	3	3	3	3	3	3	3
52	Coil, Condenser - 90MA Only	50BW400053	1	1	-	-	1	1	-	-
		50BW400434	-	-	1	1	-	-	1	1
	Coil, Condenser - 90MF Only	50BA505434	1	1	-	-	1	1	-	-
		50BA509614	-	-	1	1	-	-	1	1
53	Water Regulating Valve - 90MA/MF	EB31DF212	1	1	1	1	1	1	1	
54	Cap, Flare - 90MU Only	DD19DA210	2	2	2	2	2	2	2	
55	Valve, Liquid Shut-off - 90MU Only	EP12AH181	2	2	2	2	2	2	2	

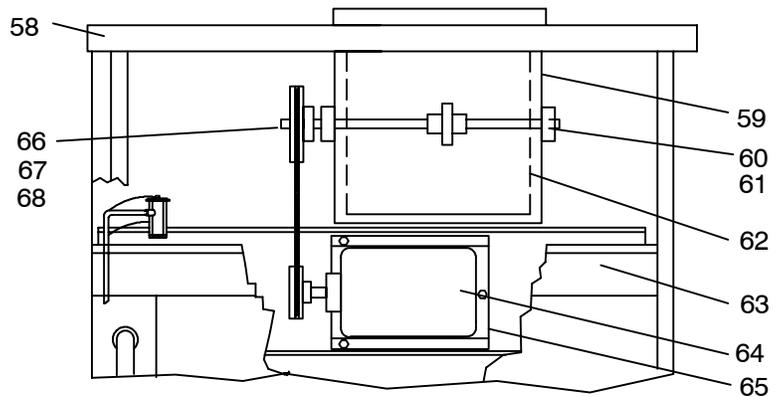
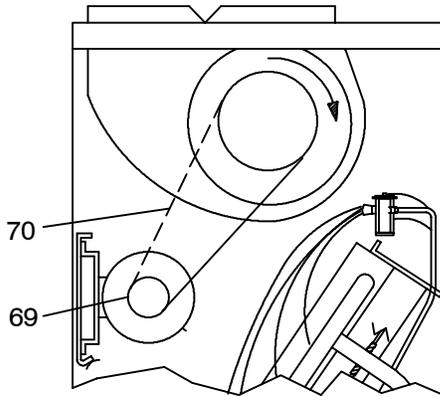


Single Package Cooling Unit

90MA/MF/MU

COMPRESSOR/OIL GROUP SIZE: 004-006

ITEM	DESCRIPTION	PART NUMBER	204- 511	204 -611/911	206- 511	206- 611/911	204/404- 521	204/404-621/921	206/406- 521	206/406-621/921	
COMPRESSOR/OIL GROUP											
56	Compressor - 90MA/MF/MU	90C02-1331-00	1	-	-	-	-	-	-	-	
	Compressor - 90MA/MF/MU	90C02-1331-01	-	1	-	-	-	-	-	-	
	Compressor - 90MA/MF	90C02-1331-02	-	-	1	-	-	-	-	-	
	Compressor - 90MU Only	90C02-1331-04	-	-	1	-	-	-	-	-	
	Compressor - 90MA/MF	90C02-1331-03	-	-	-	1	-	-	-	-	
	Compressor - 90MU Only	90C02-1331-05	-	-	-	1	-	-	-	-	
	Compressor - 90MA/MF/MU	90C02-4062-00	-	-	-	-	1	-	-	-	
	Compressor- 90MA/MF/MU	90C02-4062-01	-	-	-	-	-	1	-	-	
	Compressor - 90MA/MF	90C02-4062-02	-	-	-	-	-	-	1	-	
	Compressor - 90MA/MF	90C02-4062-03	-	-	-	-	-	-	-	1	
	Compressor - 90MU Only	90C02-4062-04	-	-	-	-	-	-	1	-	
Compressor - 90MU Only	90C02-4062-05	-	-	-	-	-	-	-	1		
57	COMPRESSOR OIL - Design Series One (Reciprocating)										
	90MA/MF204-511, 611 & 911 = 51 ounces (1.5 Liters) 90MU204-511, 611 & 911 = 66 ounces (2 Liters) 90MA/MF206-511, 611 & 911 = 51 ounces (1.5 Liters) 90MU206-511, 611 & 911 = 66 ounces (2 Liters)						07-00389-00				
	COMPRESSOR OIL - Design Series Two (Scroll)										
57	90MA/MF204-521, 621 & 921 = 51 ounces (1.5 Liters) 90MU204-521, 621 & 921 = 66 ounces (2 Liters) 90MA/MF206-521, 621 & 921 = 51 ounces (1.5 Liters) 90MU206-521, 621 & 921 = 66 ounces (2 Liters)						07-00275-00P06				
	90MA/MF404-521, 621 & 921 = 51 ounces (1.5 Liters) 90MU204-521, 621 & 921 = 66 ounces (2 Liters) 90MA/MF406-521, 621 & 921 = 51 ounces (1.5 Liters) 90MU206-521, 621 & 921 = 66 ounces (2 Liters)						07-00318-00				

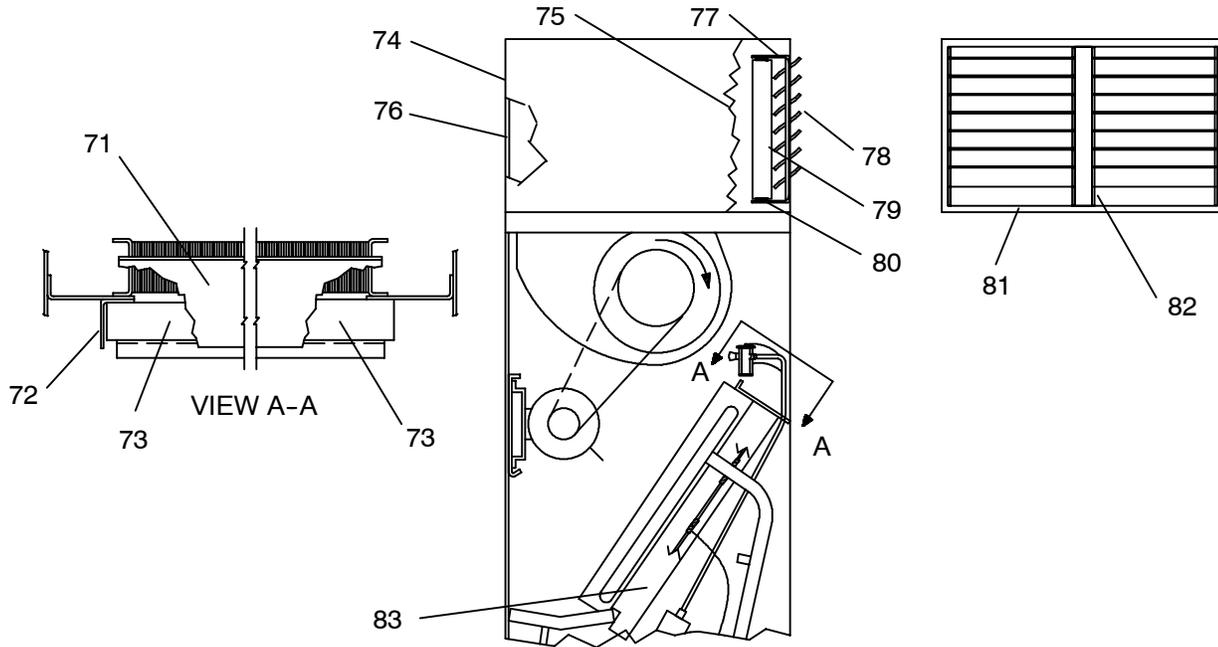


ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU							
			204-511	204-611/911	206-511	206-611/911	204/404-521	204/404-621/921	206/406-521	206/406-621/921
FAN AND MOTOR GROUP										
58	Insulation Assembly, Top Panel	50BA413503	1	1	-	-	1	1	-	-
		50BA413493	-	-	1	1	-	-	1	1
59	Housing Assembly, Blower	50BA405734	1	1	-	-	1	1	-	-
		50BA405724	-	-	1	1	-	-	1	1
60	Bracket Assembly, Bearing	50BA409432	2	2	-	-	2	2	-	-
		48DE406602	-	-	2	2	-	-	2	2
61	Bearing, Fan	P461-2502	2	2	-	-	2	2	-	-
		P461-2304	-	-	2	2	-	-	2	2
62	Wheel, Blower	LA22LA117	1	1	-	-	1	1	-	-
		LA22LA110	-	-	1	1	-	-	1	1
63	Mounting Plate Assembly, Motor	50BA407533	1	1	1	1	1	1	1	1
64	Motor, Indoor Fan (IFM)	90C02-1321-00	1	1	-	-	1	1	-	-
		90C02-1321-01	-	-	1	1	-	-	1	1
65	Plate, Motor	50BA510622	1	1	1	1	1	1	1	1
66	Shaft, Fan	50BA508392	1	1	-	-	1	1	-	-
		50BA508542	-	-	1	1	-	-	1	1
67	Key, Blower Pulley	AW01DA053	1	1	1	1	1	1	1	1
68	Pulley, Blower	KR11AH006	1	1	-	-	1	1	-	-
		KR11AF408	-	-	1	1	-	-	1	1
69	Motor Pulley, Standard	KR11HY161	1	1	1	1	1	1	1	1
70	Belt	KR20AC048	1	1	1	1	1	1	1	1

Single Package Cooling Unit

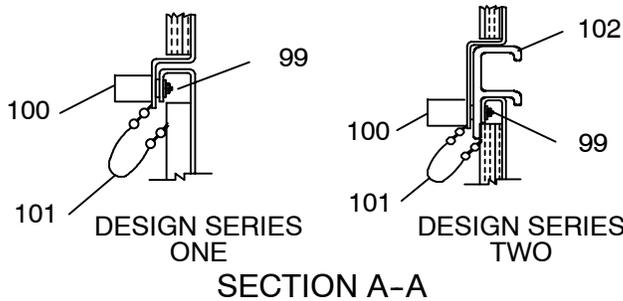
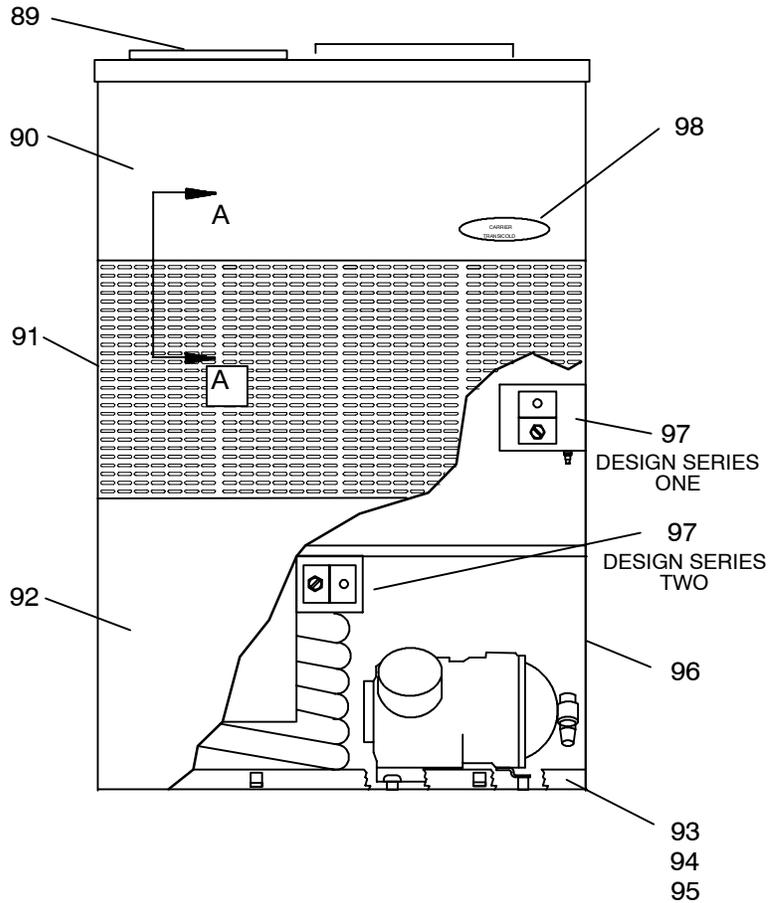
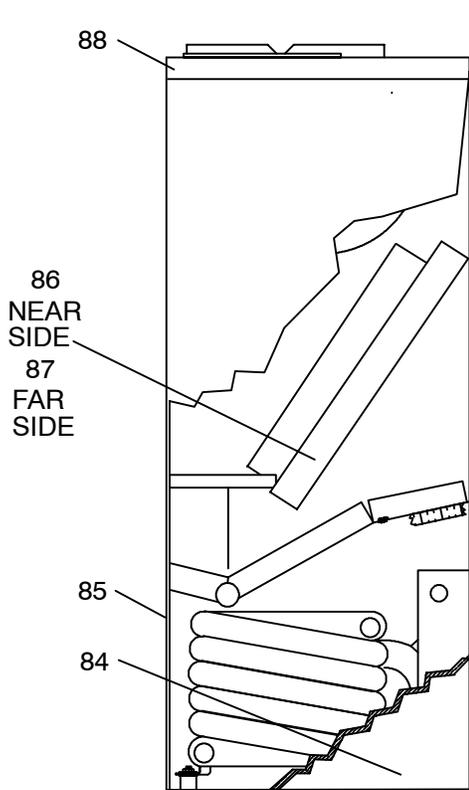
90MA/MF/MU

FILTER & ACCESSORY GROUP SIZE: 004-006



ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU				MA/MF/MU			
			204-511	204-611/911	206-511	206-611/911	204/404-521	204/404-621/921	206/406-521	206/406-621/921
FILTER GROUP										
71	Baffle, Top	50BA516382	1	1	1	1	1	1	1	1
72	Side Filter Rack	50BA512003	1	1	1	1	1	1	1	1
73	Filter, Air	KH03DU330	2	2	2	2	2	2	2	2
ACCESSORY GROUP										
74	Plenum, Discharge - Includes:	50BA900161	1	1	1	1	1	1	1	1
75	... Insulation Assembly, Cabinet	50BA413653	1	1	1	1	1	1	1	1
76	... Back, Plenum	50BA410783	1	1	1	1	1	1	1	1
77	... Inner Frame, Plenum	50BA411954	1	1	1	1	1	1	1	1
78	... Deflector, Air	50BA416722	7	7	7	7	7	7	7	7
79	... Vane, Vertical	50BA416742	16	16	16	16	16	16	16	16
80	... Cushion, Vertical Blade	50BA516222	2	2	2	2	2	2	2	2
81	... Vane Support, Bottom	50BA413633	1	1	1	1	1	1	1	1
82	... Cushion, Center and Frame	50BA516242	2	2	2	2	2	2	2	2
83	Heating Coil Package, 1 Row Hot Water/Steam - Includes:	50BA900091	1	1	1	1	1	1	1	1
NS	... Coil	50BA405894	1	1	1	1	1	1	1	1

**PARTS LIST
UNIT SIZE 008**





Single Package Cooling Unit

90MA/MF/MU

CASING GROUP **SIZE: 008**

ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			208-511	208-611/911	308-511	308-611/911	208/408-521	208/408-621/921	308-521	308-621/921
CASING GROUP										
84	Panel, LH Side 90MA/MF	50BA412494	1	1	1	1	-	-	-	-
	Panel, LH Side 90MU Only	50BA412514	1	1	-	-	-	-	-	-
	Panel, LH Side	90MA012-202	-	-	-	-	1	1	1	1
85	Insulation Assembly, Rear Panel	50BA412373	1	1	1	1	-	-	-	-
		90MA012-212	-	-	-	-	1	1	1	1
86	Mounting Angle, Coil	50BA514272	1	1	1	1	1	1	1	1
87	Mounting Angle, Coil	50BA510413	1	1	1	1	1	1	1	1
88	Insulation Assembly, Top Panel (Fan Deck)	see item 166	1	1	1	1	1	1	1	1
89	Plate, Cover	50BA416702	1	1	1	1	1	1	1	1
90	Panel Assembly, Front Top	50BA413473	1	1	1	1	-	-	-	-
		90MA012-222	-	-	-	-	1	1	1	1
91	Grille, Inlet	50BA413593	1	1	1	1	-	-	-	-
		90MA012-1052	-	-	-	-	1	1	1	1
92	Panel Assembly, Front Bottom	50BA413473	1	1	1	1	-	-	-	-
		90MA012-232	-	-	-	-	1	1	1	1
93	Pan, Base	50BA411934	1	1	1	1	-	-	-	-
		90MA012-1082	-	-	-	-	1	1	1	1
94	Compressor Mounting Rail - Outer 90MA/MF	50BA401822	1	1	1	1	1	1	1	1
	Compressor Mounting Rail - Outer 90MU Only	50BB401822	1	1	-	-	1	1	-	-
95	Compressor Mounting Rail - Inner 90MA/MF	50BA401832	1	1	1	1	1	1	1	1
	Compressor Mounting Rail - Inner 90MU Only	50BB401832	1	1	-	-	1	1	-	-
96	Panel, RH Side 90MA/MF	50BA413532	1	1	1	1	1	1	1	1
	Panel, RH Side 90MU Only	50BA412523	1	1	-	-	1	1	-	-
	Panel, RH Side	90MA012-242	-	-	-	-	1	1	1	1
97	Bracket, Switch	90MA012-1032	1	1	1	1	-	-	-	-
		90MA012-1062	-	-	-	-	1	1	1	1
98	Decal	62-03382-06	1	1	1	1	1	1	1	1
99	Strike	KA06KM025	2	2	2	2	2	2	2	2
100	Catch	KA07AH035	2	2	2	2	2	2	2	2
101	Chain, Retainer	50BA515182	2	2	2	2	2	2	2	2
102	Handle, Inlet Grille	90MA012-1072	-	-	-	-	1	1	1	1



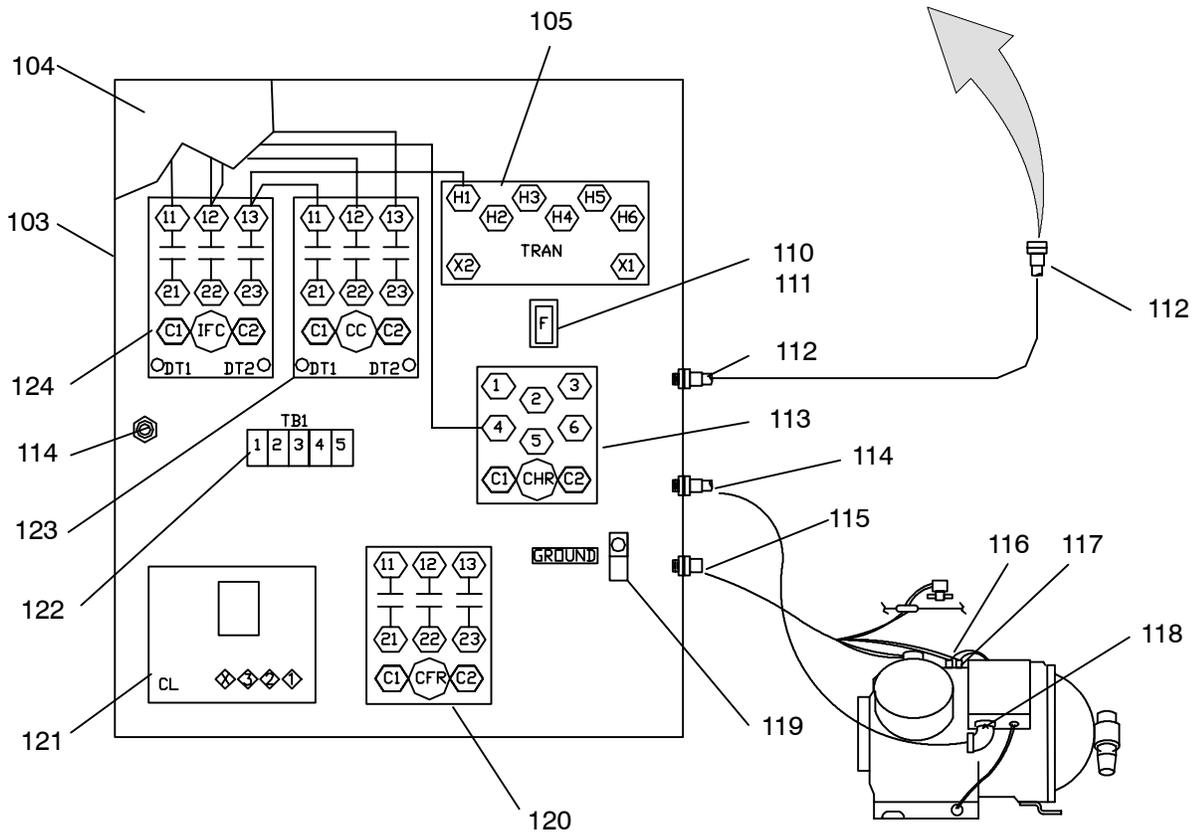
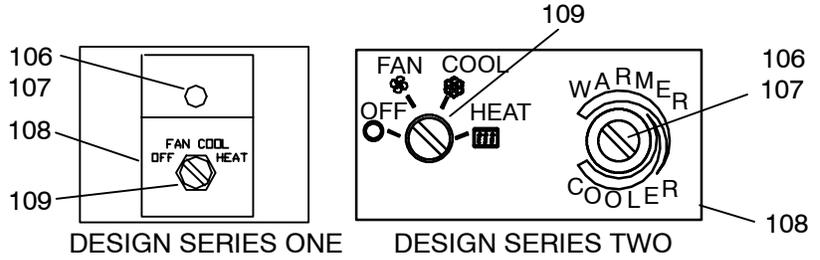
TRANSICOLD

Single Package Cooling Unit

90MA/MF/MU

CONTROL BOX GROUP

SIZE: 008





Single Package Cooling Unit

90MA/MF/MU

CONTROL BOX GROUP **SIZE: 008**

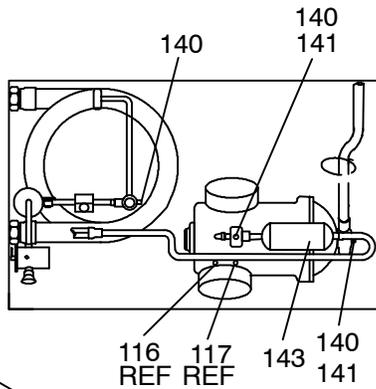
ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			208-511	208-611/911	308-511	308-611/911	208/408-521	208/408-621/921	308-521	308-621/921
CONTROL BOX GROUP										
103	Box, Control	50BA511244	1	1	1	1	-	-	-	-
		90MA012-1102	-	-	-	-	1	1	1	1
104	Cover, Control Box	50BA510773	1	1	1	1	1	1	1	1
105	Transformer (TRAN)	90C02-1291-00	1	1	1	1	1	1	1	1
106	Thermostat (T)	HH22AC090	1	1	1	1	1	1	1	1
107	Knob Assembly	50BA41193	1	1	1	1	-	-	-	-
		90MA012-252	-	-	-	-	1	1	1	1
108	Label, Thermostat	90MA012-1001	1	1	1	1	-	-	-	-
		90MA012-1021	-	-	-	-	1	1	1	1
109	Switch, Rotary	90C02-1281-00	1	1	1	1	1	1	1	1
110	Fuse Block	90C02-1241-00	1	1	1	1	1	1	1	1
111	Fuse	90C02-1261-01	1	1	1	1	1	1	1	1
112	Connector (Conduit)	66U1-8592-1	2	2	2	2	2	2	2	2
113	Relay, Crankcase Heater (CHR)	HN61KK040	1	1	1	1	1	1	1	1
114	Connector (Conduit)	66U1-8592-2	3	3	3	3	3	3	3	3
115	Strain Relief	HW60FA500	1	1	1	1	1	1	1	1
116	Switch, Low Pressure (LPS)	HK02ZB028B	1	1	-	-	1	1	-	-
		HK02ZB038	-	-	1	1	-	-	1	1
117	Switch, High Pressure (HPS) 90MA/MF	HK02ZA395A	1	1	-	-	1	1	-	-
	Switch, High Pressure (HPS) 90MU Only	HK02ZA429A	1	1	-	-	1	1	-	-
	Switch, High Pressure (HPS)	HK02ZA438A	-	-	1	1	-	-	1	1
118	Connector, 90°	66U1-8602-2	1	1	1	1	1	1	1	1
119	Cable Terminal	HY90HR001	1	1	1	1	1	1	1	1
120	Condenser Fan Relay (CFR) - 90MU Only	HN53CC024	1	1	-	-	1	1	-	-
121	Relay, Compressor Lockout (CLO)	38HQ660014	1	1	1	1	1	1	1	1
122	Block, Terminal (TB1)	HY84FE031	1	1	1	1	1	1	1	1
123	Contact, Compressor (CC)	HN53CC024	1	1	1	1	1	1	1	1
124	Contact, Indoor Fan (IFC)	HN53CC024	1	1	1	1	1	1	1	1

Single Package Cooling Unit

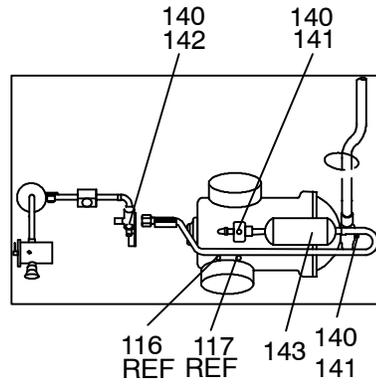
90MA/MF/MU

REFRIGERATION COMPONENTS GROUP SIZE: 008

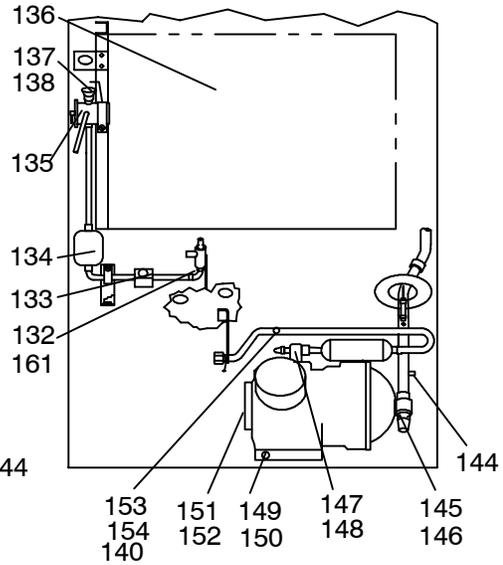
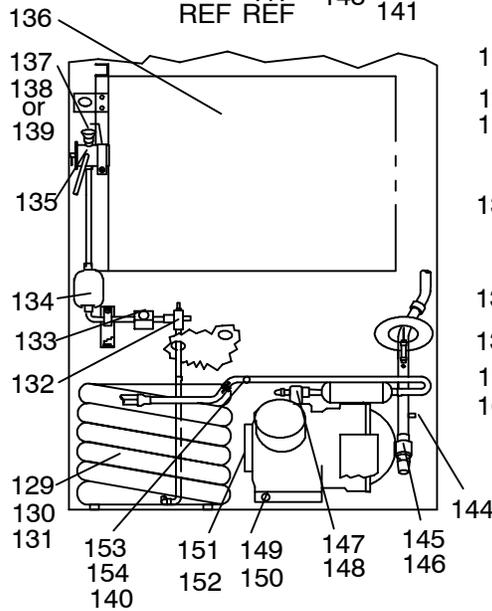
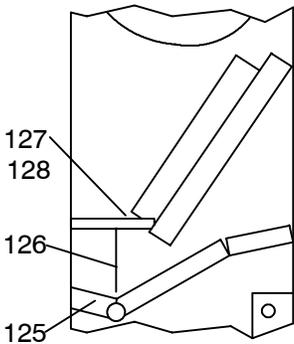
90MA/MF



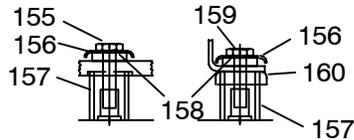
90MU ONLY



90MA/MF/MU



COMPRESSOR MOUNTING
TYPICAL ALL UNITS





Single Package Cooling Unit

90MA/MF/MU

REFRIGERATION COMPONENTS GROUP SIZE: 008

ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU	MA/MF/MU	MA/MF/MU	MA/MF	MA/MF/MU	MA/MF/MU	MA/MF/MU	MA/MF/MU
			208-511	208-611/911	308-511	308-611/911	208/408-521	208/408-621/921	308-521	308-621/921
REFRIGERATION COMPONENTS GROUP										
125	Condensate Pan Assembly, Lower	50BW400514	1	1	1	1	1	1	1	1
126	Drip Conductor, Condensate	50K87112	3	3	3	3	3	3	3	3
127	Condensate Pan Assembly, Upper	50BA411214	1	1	1	1	1	1	1	1
		90MA012-1092	1	1	1	1	1	1	1	1
128	Angle, Upper Drain Pan	50BA506212	1	1	1	1	1	1	1	1
129	Coil, Condenser - 90MA Only	50BW400034	1	1	1	1	1	1	1	1
	Coil, Condenser - 90MF Only	50BA404714	1	1	1	1	1	1	1	1
130	Sleeve, Condenser Mounting - 90MA/MF Only	KA56TS014	1	1	1	1	1	1	1	1
131	Water Regulating Valve - 90MA/MF	EB31DF214	1	1	1	1	1	1	1	1
132	Service Valve, Liquid Line - 90MA/MF	EP12BH211	1	1	1	1	1	1	1	1
	Service Valve, Liquid Line - 90MU Only	99CC401-254	1	1	-	-	1	1	-	-
133	Indicator, Liquid	90C02-1351-00	1	1	1	1	1	1	1	1
134	Drier, Filter	90C02-1341-00	1	1	1	1	1	1	1	1
135	Valve, Expansion (TXV)	90C02-1191-00	1	1	-	-	1	1	-	-
		90C02-1191-01	-	-	1	1	-	-	1	1
136	Coil Assembly, Evaporator - Includes:	90MA008-192	1	1	1	1	1	1	1	1
137	... Distributor	EA07HC049	1	1	1	1	1	1	1	1
138	... Nozzle (R-22, Installed)	EA19CY904	1	1	-	-	1	1	-	-
139	... Nozzle (R-134a, See Note)	90C02-1201-00	-	-	1	1	-	-	1	1
140	Cap, Flare	DD19CA061	3	3	3	3	3	3	3	3
141	Valve Assembly (Shreader)	06DA403844	2	2	2	2	2	2	2	2
142	Cap, Valve Stem - 90MU Only	99CC501-092	1	1	-	-	1	1	-	-
143	Muffler 90MA/MF Only	38BA400603	1	1	1	1	1	1	1	1
	Muffler 90MU Only	50BA515482	1	1	-	-	1	1	-	-
144	Plug, Fusible	EK01JA203	1	1	1	1	1	1	1	1
145	Service Valve, Compressor Suction	EN07AA348	1	1	-	-	1	1	-	-
		EN07EA033	-	-	1	1	-	-	1	1
146	Valve Gasket, Suction	6D401131	1	1	-	-	1	1	-	-
		6D681131	-	-	1	1	-	-	1	1
147	Service Valve, Compressor Discharge	EN07AA271	1	1	1	1	1	1	1	1
148	Valve Gasket, Discharge	6D231421	1	1	1	1	1	1	1	1

NOTE: For R-134a units (90MA/MF308), replace R-22 nozzles (Item 138), supplied with coil (Item 136), using R-134a nozzles (Item 139).



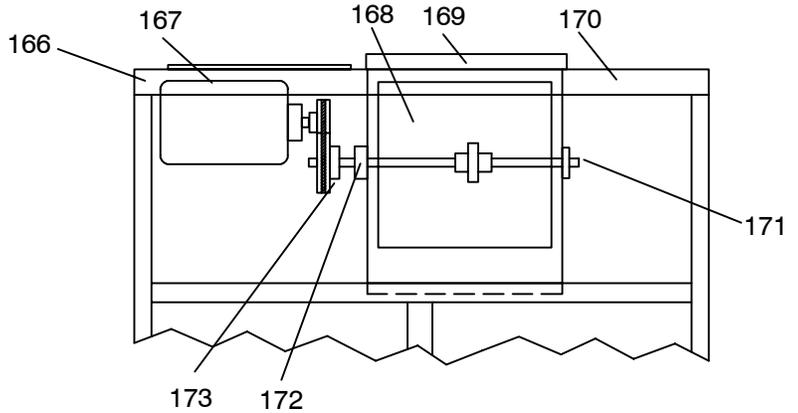
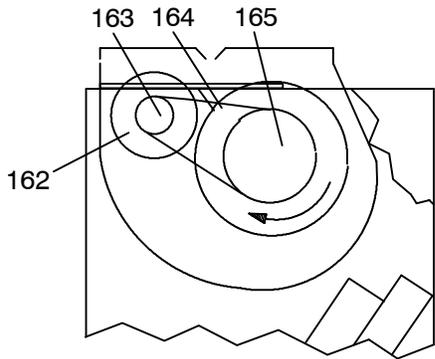
Single Package Cooling Unit

90MA/MF/MU

REFRIGERATION COMPONENTS GROUP - Continued SIZE: 008

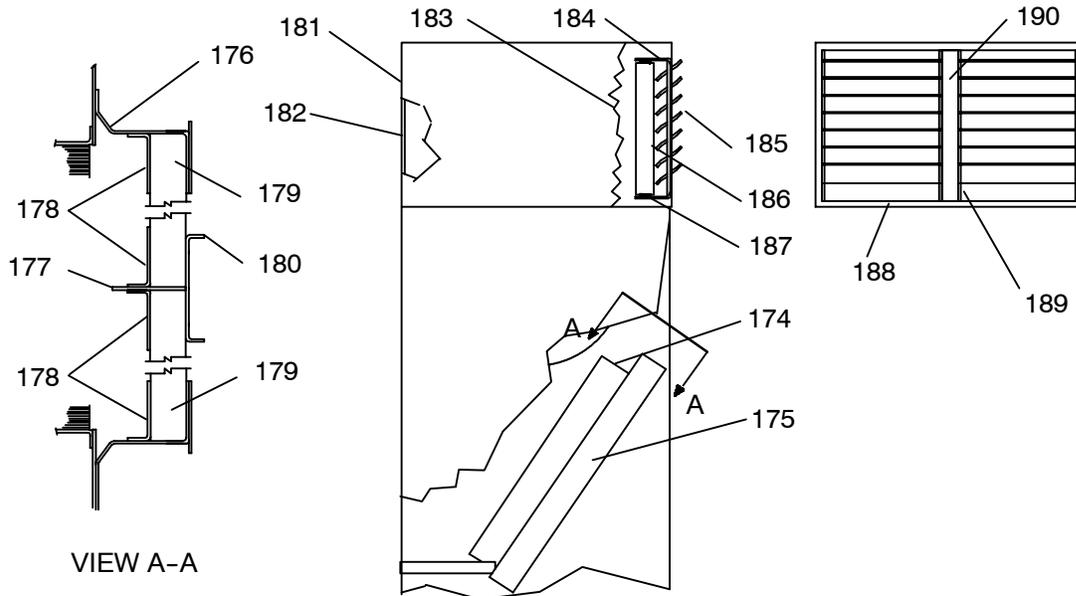
ITEM	DESCRIPTION	PART NUMBER	MA/MF/MU	MA/MF/MU	MA/MF/MU	MA/MF	MA/MF/MU	MA/MF/MU	MA/MF	MA/MF
			208-511	208-611/911	308-511	308-611/911	208/408-521	208/408-621/921	308-521	308-621/921
REFRIGERATION COMPONENTS GROUP - Continued										
149	Heater, Crankcase (CCH)	HT36XS574	1	-	1	-	1	-	1	-
		HT36DL480	-	1	-	1	-	1	-	1
150	Clip, Crankcase Heater	AS81VF056	1	1		1	1	1		1
151	Compressor	06DA8182AA3200	1	-	-	-	-	-	-	-
		06DA8182AA3600	-	1	-	-	-	-	-	-
		06DR7180BA325A	-	-	1	-	-	-	1	-
		06DR7180BA365A	-	-	-	1	-	-	-	1
		06DA8182AA325A	-	-	-	-	1	-	-	-
		06DA8182AA365A	-	-	-	-	-	1	-	-
152	Oil, Compressor 5-1/2 Pints (2.2 Liters)	07-00275-00P06	MA/MF/MU208 UNITS							
		07-00405-00	MA/MF/MU308 & 408 UNITS							
153	Valve Body (Schreader)	EC39DM061	1	1	1	1	1	1	1	1
154	Core (Schreader)	EC39EZ062	1	1	1	1	1	1	1	1
155	Bolt, Compressor Mounting, 3/8-16 x 1-3/4	PL	2	2	2	2	2	2	2	2
156	Washer, Snubber	6D732251	4	4	2	4	4	4	2	4
157	Mounting Spring, Compressor	50AK41231	4	4	4	4	4	4	4	4
158	Snubber	6D732241	4	4	4	4	4	4	4	4
159	Bolt, Compressor Mounting, 3/8-16 x 1-1/4	PL	2	2	2	2	2	2	2	2
160	Cup, Spring	50K41221	2	2	2	2	2	2	2	2
161	Cap, Valve Stem 90MU Only	99CC501-092	1	1	-	-	1	1	-	-

FAN AND MOTOR GROUP SIZE: 008



ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			208-511	208-611/911	308-511	308-611/911	208/408-521	208/408-621/921	308/-521	308-621/921
FAN AND MOTOR GROUP										
162	Motor, Indoor Fan (IFM)	90C02-1321-02	1	1	1	1	1	1	1	1
163	Motor Pulley, Standard	KR11HY161	1	1	1	1	1	1	1	1
164	Belt	KR30AE033	1	1	1	1	1	1	1	1
165	Pulley, Blower	KR11AH508	1	1	1	1	1	1	1	1
166	Deck Assembly, Fan - Includes	50BA409144	1	1	1	1	1	1	1	1
167	... Mounting Plate, Motor	50BA403723	1	1	1	1	1	1	1	1
168	... Wheel, Blower	LA22LA123	1	1	-	-	1	1	-	-
169	... Housing Assembly, Blower	40BA400413	1	1	1	1	1	1	1	1
170	... Deck, Fan	50BA411944	1	1	1	1	1	1	1	1
171	... Shaft, Fan	50BA506652	1	1	1	1	1	1	1	1
172	... Bearing, Fan	KT61DA055	2	2	2	2	2	2	2	2
173	... Key, Blower Pulley	AW01DA053	1	1	1	1	1	1	1	1

FILTER AND ACCESSORY GROUP SIZE: 008



ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			208-511	208-611/911	308-511	308-611/911	208/408-521	208/408-621/921	308-521	308-621/921
FILTER GROUP										
174	Baffle, Top	50BA516442	1	1	1	1	1	1	1	1
175	Baffle, Filter	50BA503503	1	1	1	1	1	1	1	1
176	Baffle Assembly, Filter	50BA403863	2	2	2	2	2	2	2	2
177	Support, Filter	50BA512713	1	1	1	1	1	1	1	1
178	Angle, Filter	50BA505442	4	4	4	4	4	4	4	4
179	Filter, Air	KH03DU320	4	4	4	4	4	4	4	4
180	Channel, Filter	50BA516412	1	1	1	1	1	1	1	1
ACCESSORY GROUP										
181	Plenum, Discharge - Includes:	50BA900171	1	1	1	1	1	1	1	1
182	... Back, Plenum	50BA410783	1	1	1	1	1	1	1	1
183	... Insulation Assembly, Cabinet	50BA413653	1	1	1	1	1	1	1	1
184	... Inner Frame, Plenum	50BA411954	1	1	1	1	1	1	1	1
185	... Deflector, Air	50BA416722	7	7	7	7	7	7	7	7
186	... Vane, Vertical	50BA416742	16	16	16	16	16	16	16	16
187	... Cushion, Vertical Blade	50BA516222	2	2	2	2	2	2	2	2
188	... Vane Support, Bottom	50BA413633	1	1	1	1	1	1	1	1
189	... Cushion, Center and Frame	50BA516242	2	2	2	2	2	2	2	2
190	... Support, Center	50BA413623	1	1	1	1	1	1	1	1

PARTS LIST

UNIT SIZE 012



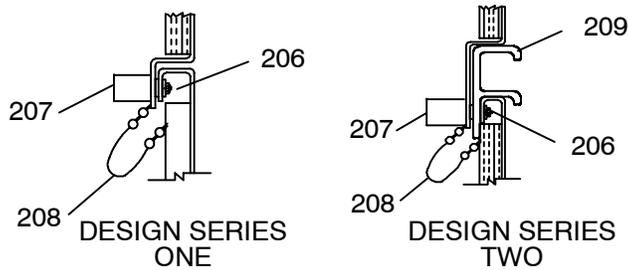
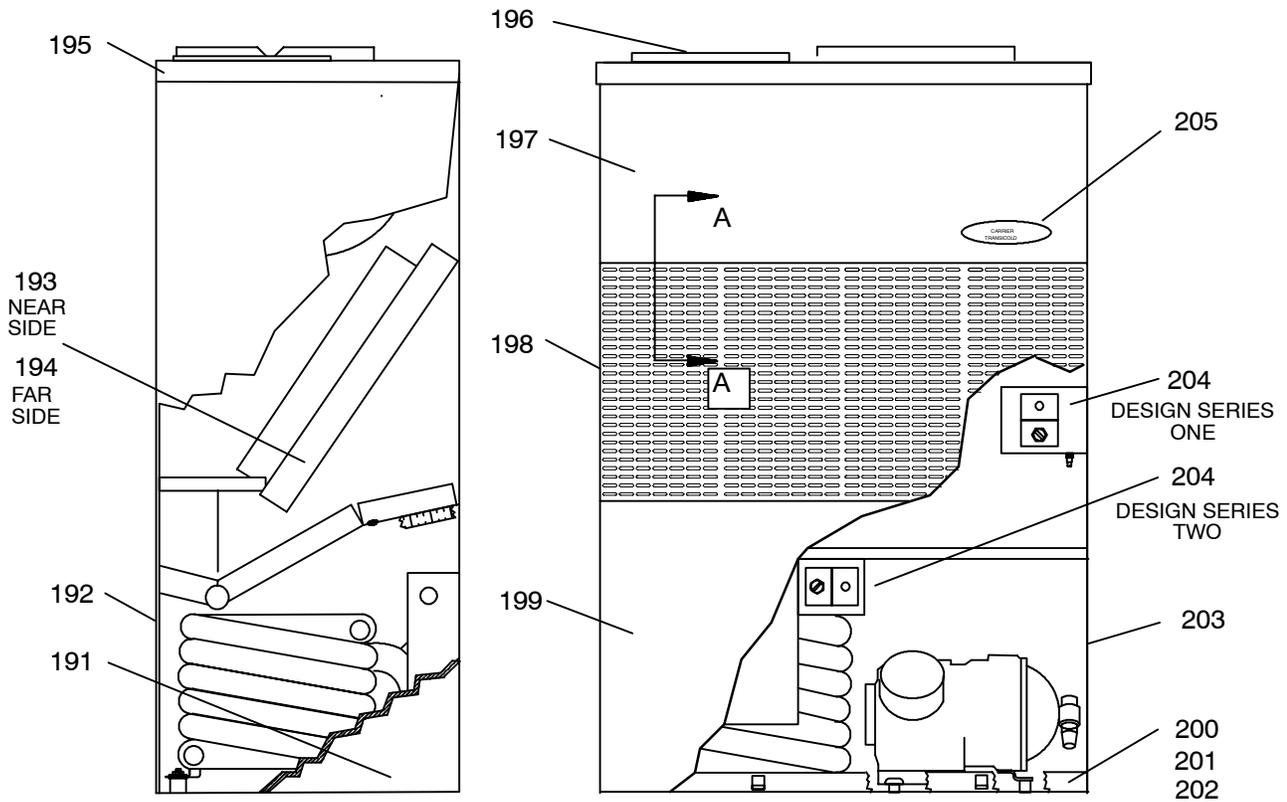
TRANSICOLD

Single Package Cooling Unit

90MA/MF/MU

CASING GROUP

SIZE: 012



SECTION A-A

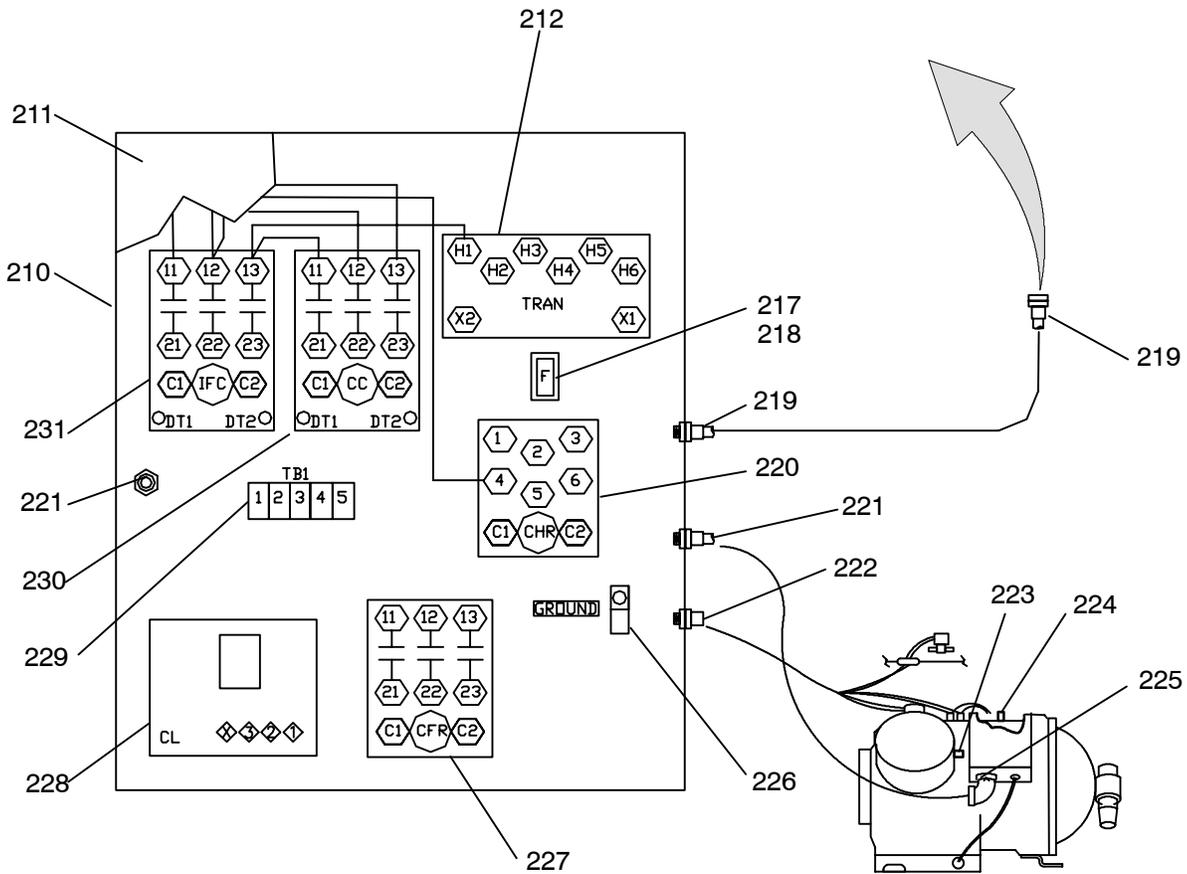
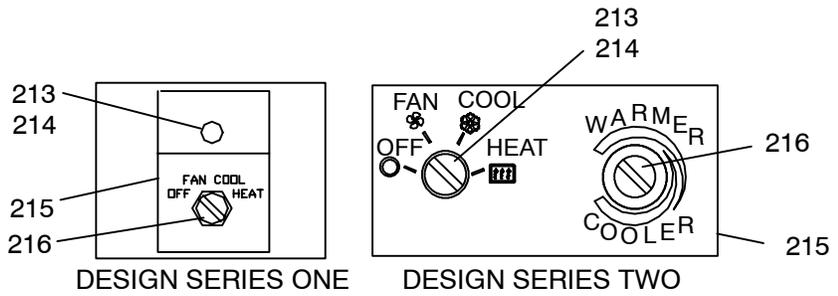


Single Package Cooling Unit

90MA/MF/MU

CASING GROUP **SIZE: 012**

ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			212-511	212-611/911	312-511	312-611/911	212/412-521	212/412-621/921	312-521	312-621/921
CASING GROUP										
191	Panel, LH Side	50BA412514	1	1	1	1	-	-	-	-
		90MA012-202	-	-	-	-	1	1	1	1
192	Insulation Assembly, Rear Panel	50BA412373	1	1	1	1	-	-	-	-
		90MA012-212	-	-	-	-	1	1	1	1
193	Mounting Angle, Coil	50BA510445	1	1	1	1	1	1	1	1
194	Mounting Angle, Coil	50BA510443	1	1	1	1	1	1	1	1
195	Insulation Assembly, Top Panel (Fan Deck)	see item 274	1	1	1	1	1	1	1	1
196	Plate, Cover	50BA416702	1	1	1	1	1	1	1	1
197	Panel Assembly, Front Top	50BA413473	1	1	1	1	-	-	-	-
		90MA012-222	-	-	-	-	1	1	1	1
198	Grille, Inlet	50BA413593	1	1	1	1	-	-	-	-
		90MA012-1052	-	-	-	-	1	1	1	1
199	Panel Assembly, Front Bottom	50BA413473	1	1	1	1	-	-	-	-
		90MA012-232	-	-	-	-	1	1	1	1
200	Pan, Base	50BA411934	1	1	1	1	-	-	-	-
		90MA012-1082	-	-	-	-	1	1	1	1
201	Compressor Mounting Rail - Outer	50BA405622	1	1	1	1	1	1	1	1
202	Compressor Mounting Rail - Inner	50BA405632	1	1	1	1	1	1	1	1
203	Insulation Assembly, RH Side 90MA/MF	50BA412534	1	1	1	1	-	-	-	-
	Insulation Assembly, RH Side 90MU Only	50BA412524	1	1	-	-	-	-	-	-
	Insulation Assembly, RH Side	90MA012-242	-	-	-	-	1	1	1	1
204	Bracket, Switch	90MA012-1032	1	1	1	1	-	-	-	-
		90MA012-1062	-	-	-	-	1	1	1	1
205	Decal	62-03382-06	1	1	1	1	1	1	1	1
206	Strike	KA06KM025	2	2	2	2	2	2	2	2
207	Catch	KA07AH035	2	2	2	2	2	2	2	2
208	Chain, Retainer	50BA515182	2	2	2	2	2	2	2	2
209	Handle, Inlet Grille	90MA012-1072	-	-	-	-	1	1	1	1





Single Package Cooling Unit

90MA/MF/MU

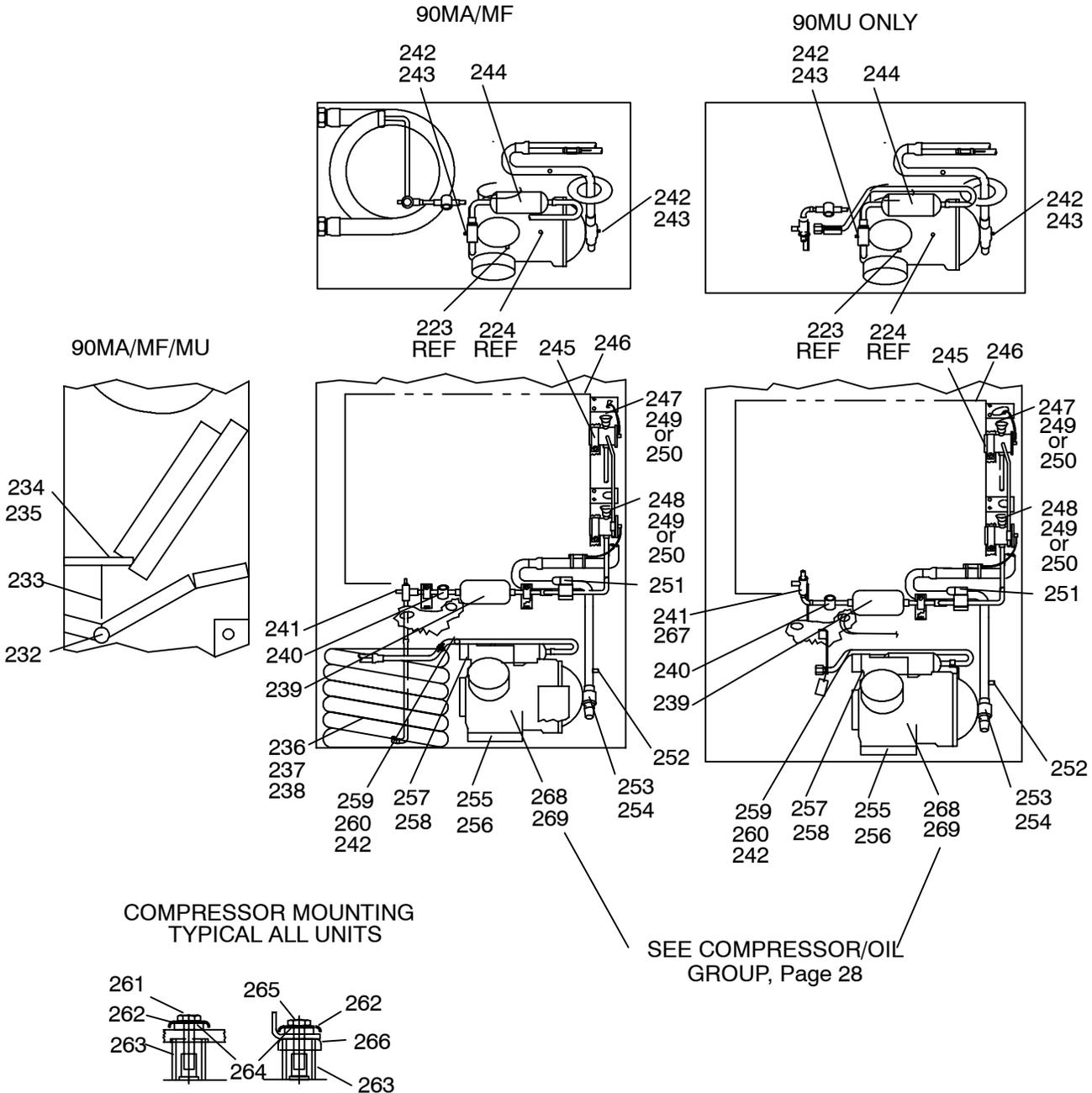
CONTROL BOX GROUP **SIZE: 012**

ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MAMF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MAMF
			212-511	212-611/911	312-511	312-611/911	212/412-521	212/412-621/921	312-521	312-621/921
CONTROL BOX GROUP										
210	Box, Control	50BA511244	1	1	1	1	-	-	-	-
		90MA012-1102	-	-	-	-	1	1	1	1
211	Cover, Control Box	50BA510773	1	1	1	1	1	1	1	1
212	Transformer (TRAN)	90C02-1291-00	1	1	1	1	1	1	1	1
213	Thermostat (T)	HH22AC090	1	1	1	1	1	1	1	1
214	Knob Assembly	50BA41193	1	1	1	1	-	-	-	-
		90MA012-252	-	-	-	-	1	1	1	1
215	Label, Thermostat	90MA012-1001	1	1	1	1	-	-	-	-
		90MA012-1021	-	-	-	-	1	1	1	1
216	Switch, Rotary	90C02-1281-00	1	1	1	1	1	1	1	1
217	Fuse Block	90C02-1241-00	1	1	1	1	1	1	1	1
218	Fuse	90C02-1261-01	1	1	1	1	1	1	1	1
219	Connector (Conduit)	66U1-8592-1	2	2	2	2	2	2	2	2
220	Relay, Crankcase Heater (CHR)	HN61KK040	1	1	1	1	1	1	1	1
221	Connector (Conduit)	66U1-8592-2	3	3	3	3	3	3	3	3
222	Strain Relief	HW60FA500	1	1	1	1	1	1	1	1
223	Switch, High Pressure (HPS) 90MA/MF	HK02ZA395A	1	1	-	-	1	1	-	-
	Switch, High Pressure (HPS) 90MU Only	HK02ZA429A	1	1	-	-	1	1	-	-
	Switch, High Pressure (HPS)	HK02ZA438A	-	-	1	1	-	-	1	1
224	Switch, Low Pressure (LPS)	HK02ZB028B	1	1	-	-	1	1	-	-
		HK02ZB038	-	-	1	1	-	-	1	1
225	Connector, 90°	66U1-8602-2	1	1	1	1	1	1	1	1
226	Cable Terminal	HY90HR001	1	1	1	1	1	1	1	1
227	Condenser Fan Relay (CFR) - 90MU Only	HN53CC024	1	1	-	-	1	1	-	-
228	Relay, Compressor Lockout (CLO)	38HQ660014	1	1	1	1	1	1	1	1
229	Block, Terminal (TB1)	HY84FE031	1	1	1	1	1	1	1	1
230	Contactor, Compressor (CC)	HN53CC024	1	1	-	1	1	1	-	1
		HN53CD024	-	-	1	-	-	-	1	-
231	Contactor, Indoor Fan (IFC)	HN53CC024	1	1	1	1	1	1	1	1

Single Package Cooling Unit

90MA/MF/MU

REFRIGERATION COMPONENTS GROUP SIZE: 012





Single Package Cooling Unit

90MA/MF/MU

REFRIGERATION COMPONENTS GROUP SIZE: 012

ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			212-511	212-611/911	312-511	312-611/911	212/412-521	212/412-621/921	312-521	312-621/921
REFRIGERATION COMPONENTS GROUP										
232	Condensate Pan Assembly, Lower	50BW400514	1	1	1	1	1	1	1	1
233	Drip Conductor, Condensate	50K87112	3	3	3	3	3	3	3	3
234	Condensate Pan Assembly, Upper	50BA411214	1	1	1	1	-	-	-	-
		90MA012-1092	-	-	-	-	1	1	1	1
235	Angle, Upper Drain Pan	50BA506432	1	1	1	1	1	1	1	1
236	Coil, Condenser - 90MA Only	50BW400034	1	1	1	1	1	1	1	1
	Coil, Condenser - 90MF Only	50BA660009	1	1	1	1	1	1	1	1
237	Sleeve, Condenser Mounting - 90MA/MF Only	KA56TS014	1	1	1	1	1	1	1	1
238	Water Regulating Valve - 90MA/MF	EB31DF214	1	1	1	1	1	1	1	1
239	Drier, Filter	90C02-1341-01	1	1	1	1	1	1	1	1
240	Indicator, Liquid	90C02-1351-00	1	1	1	1	1	1	1	1
241	Service Valve, Liquid Line - 90MA/MF	EP12BH211	1	1	1	1	1	1	1	1
	Service Valve, Liquid Line - 90MU Only	99CC401-254	1	1	-	-	1	1	-	-
242	Cap, Flare	DD19CA061	3	3	3	3	3	3	3	3
243	Valve Assembly (Shreader)	06DA403844	2	2	2	2	2	2	2	2
244	Muffler 90MA/MF Only	38BA400603	1	1	1	1	1	1	1	1
	Muffler 90MU Only	50BA515482	1	1	-	-	1	1	-	-
245	Valve, Expansion (TXV)	90C02-1191-03	2	2	2	2	2	2	2	2
246	Coil Assembly, Evaporator - Includes:	90MA012-192	1	1	1	1	1	1	1	1
247	... Distributor, Upper	EA07HC047	1	1	1	1	1	1	1	1
248	... Distributor, Lower	EA07HC048	1	1	1	1	1	1	1	1
249	... Nozzle (R-22, Installed) - See Note	EA19CY904	2	2	-	-	2	2	-	-
250	... Nozzle (R-134a) - See Note	90C02-1201-01	-	-	2	2	-	-	2	2
251	Solenoid Valve, Liquid Line	90C02-1361-00	1	1	1	1	1	1	1	1
252	Plug, Fusible	EK01JA203	1	1	1	1	1	1	1	1
253	Service Valve, Compressor Suction	EN07AA348	1	1	-	-	1	1	-	-
		EN07EA033	-	-	1	1	-	-	1	1
254	Valve Gasket, Suction	6D401131	1	1	-	-	1	1	-	-
		6D681131	-	-	1	1	-	-	1	1

NOTE: For R-134a units (90MA/MF308), replace R-22 nozzles (Item 249), installed in standard coil (Item 246), using R-134a nozzles (Item 250).



Single Package Cooling Unit

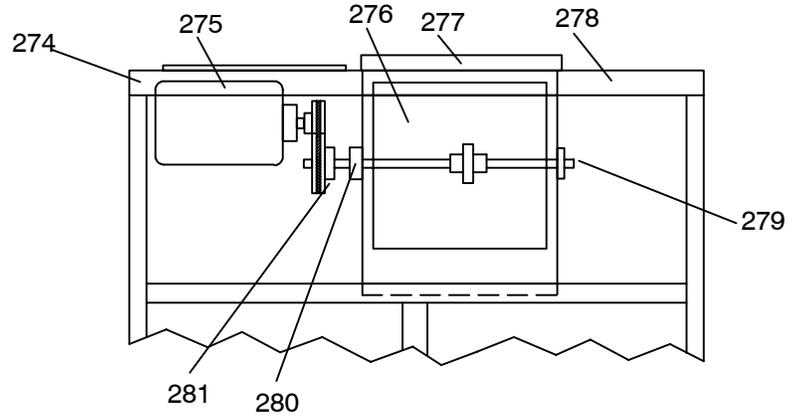
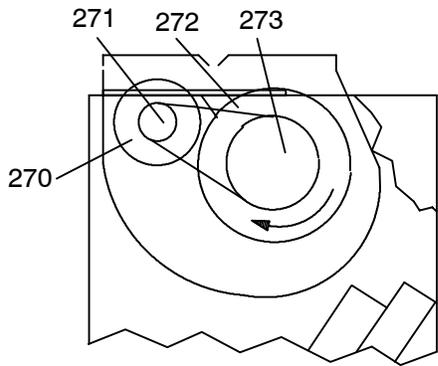
90MA/MF/MU

REFRIGERATION COMPONENTS GROUP - Continued SIZE: 012

ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			212- 511	212 -611/911	312- 511	312- 511	3126- 611/911	212/412- 521	212/412-621/921	312- 521
REFRIGERATION COMPONENTS GROUP - Continued										
255	Heater, Crankcase (CCH)	HT36XS574	1	-	1	-	1	-	1	-
		HT36DL480	-	1	-	1	-	1	-	1
256	Clip, Crankcase Heater	AS81VF056	1	1	1	1	1	1	1	1
257	Service Valve, Compressor Discharge	EN07AA284	1	1	1	1	1	1	1	1
258	Valve Gasket, Discharge	6D401131	1	1	1	1	1	1	1	1
259	Valve Body (Schreader)	EC39DM061	1	1	1	1	1	1	1	1
260	Core (Schreader)	EC39EZ062	1	1	1	1	1	1	1	1
261	Bolt, Compressor Mounting, 3/8-16 x 1-3/4	PL	2	2	2	2	2	2	2	2
262	Washer, Snubber	6D732251	4	4	4	4	4	4	4	4
263	Mounting Spring, Compressor	50K121231	4	4	4	4	4	4	4	4
264	Snubber	6D732241	4	4	4	4	4	4	4	4
265	Bolt, Compressor Mounting, 3/8-16 x 1-1/4	PL	2	2	2	2	2	2	2	2
266	Cup, Spring	50K41221	2	2	2	2	2	2	2	2
267	Cap, Valve Stem - 90MU Only	99CC501-092	1	1	-	-	1	1	-	-

COMPRESSOR/OIL GROUP SIZE: 012

ITEM	DESCRIPTION	PART NUMBER	212- 511	212 -611/911	312- 511	3126- 611/911	212/412- 521	212/412-621/921	312- 521	312- 621/921
			COMPRESSOR/OIL GROUP							
268	Compressor 90MA/MF	06DB7240AA3200	1	-	-	-	-	-	-	-
	Compressor 90MU Only	06DB8240AA3200	1	-	-	-	-	-	-	-
	Compressor 90MAMF	06DB7243AA0609	-	1	-	-	-	-	-	-
	Compressor 90MU Only	06DB8240AA3600	-	1	-	-	-	-	-	-
	Compressor	06DR7240BA327A	-	-	1	-	-	-	1	-
	Compressor	06DR7240BA367A	-	-	-	1	-	-	-	1
	Compressor 90MA/MF	06DB7240AA325A	-	-	-	-	1	-	-	-
	Compressor 90MU Only	06DB7240AA365A	-	-	-	-	1	-	-	-
	Compressor 90MA/MF	06DB8240AA325A	-	-	-	-	-	1	-	-
	Compressor 90MU Only	06DB8240AA365A	-	-	-	-	-	1	-	-
269	Oil, Compressor 1.25 Gallon (4.73 Liters)	07-00275-00P06	MA/MF/MU212 UNITS							
		07-00405-00	MA/MF/MU312 & 412 UNITS							

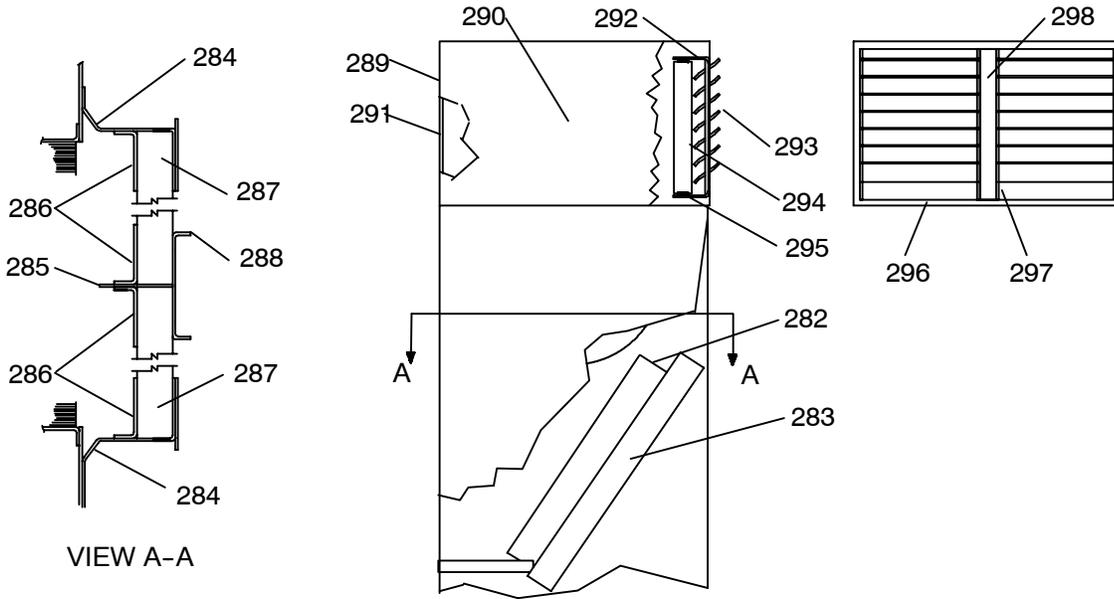


ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF	90MA/MF/MU	90MA/MF/MU	90MA/MF	90MA/MF
			212-511	212-611/911	312-511	312-611/911	212/412-521	212/412-621/921	312-521	312-621/921
FAN AND MOTOR GROUP										
270	Motor, Indoor Fan (IFM)	90C02-1321-03	1	1	1	1	1	1	1	1
271	Motor Pulley, Standard	KR11HY161	1	1	1	1	1	1	1	1
272	Belt	KR30AE033	1	1	1	1	1	1	1	1
273	Pulley, Blower	KR11AG008	1	1	1	1	1	1	1	1
274	Deck Assembly, Fan - Includes	50BA409144	1	1	1	1	1	1	1	1
275	. . Mounting Plate, Motor	50BA403723	1	1	1	1	1	1	1	1
276	. . Wheel, Blower	LA22LA123	1	1	-	-	1	1	-	-
277	... Housing Assembly, Blower	40BA400413	1	1	1	1	1	1	1	1
278	... Deck, Fan	50BA411944	1	1	1	1	1	1	1	1
279	... Shaft, Fan	50BA506652	1	1	1	1	1	1	1	1
280	... Bearing, Fan	KT61DA055	2	2	2	2	2	2	2	2
281	... Key, Blower Pulley	AW01DA053	1	1	1	1	1	1	1	1

Single Package Cooling Unit

90MA/MF/MU

FILTER AND ACCESSORY GROUP SIZE: 012



ITEM	DESCRIPTION	PART NUMBER	90MA/MF/MU 212-511	90MA/MF/MU 212-611/911	90MA/MF 312-511	90MA/MF 312-611/911	90MA/MF/MU 212/412-521	90MA/MF/MU 212/412-621/921	90MA/MF 312-521	90MA/MF 312-621/921
FILTER GROUP										
282	Baffle, Top	50BA516402	1	1	1	1	1	1	1	1
283	Baffle, Filter	50BA503503	1	1	1	1	1	1	1	1
284	Baffle Assembly, Filter	50BA403863	2	2	2	2	2	2	2	2
285	Support, Filter	50BA512713	1	1	1	1	1	1	1	1
286	Angle, Filter	50BA505442	4	4	4	4	4	4	4	4
287	Filter, Air	KH03DU320	4	4	4	4	4	4	4	4
288	Channel, Filter	50BA516412	1	1	1	1	1	1	1	1
ACCESSORY GROUP										
289	Plenum, Discharge - Includes:	50BA900171	1	1	1	1	1	1	1	1
290	... Insulation Assembly, Cabinet	50BA413653	1	1	1	1	1	1	1	1
291	... Back, Plenum	50BA410783	1	1	1	1	1	1	1	1
292	... Inner Frame, Plenum	50BA411954	1	1	1	1	1	1	1	1
293	... Deflector, Air	50BA416722	7	7	7	7	7	7	7	7
294	... Vane, Vertical	50BA416742	16	16	16	16	16	16	16	16
295	... Cushion, Vertical Blade	50BA516222	2	2	2	2	2	2	2	2
296	... Vane Support, Bottom	50BA413633	1	1	1	1	1	1	1	1
297	... Cushion, Center and Frame	50BA516242	2	2	2	2	2	2	2	2
298	... Support, Center	50BA413623	1	1	1	1	1	1	1	1