

REPLACEMENT PARTS FOR MODULAR AIR PROCESSING SYSTEMS (MAPS®) WITH R-410A REFRIGERANT

MAPS®III CABINET SIZES A, B, C, D: MODELS RCB, RDB, RDCB, RDDB, RECB, REDB

MAPS®IV CABINET SIZES A, B, C: MODELS RCC, RDC, RDCC, RDDC, RECC, REDC

TABLE OF CONTENTS

IMPORTANT SAFETY INFORMATION	2
CABINET APPLICABILITY	2
RATING PLATE.....	3
SERIAL NUMBERS	4
CROSS-REFERENCE BY CABINET SIZE	5
ELECTRICAL COMPARTMENT AND CONTROL COMPONENTS.....	7
MOTOR COMPONENTS.....	17
DRIVE COMPONENTS (PULLEYS AND BELTS).....	21
MOTOR-MOUNTING, BLOWER, AND PLENUM FAN COMPONENTS	26
COOLING AND DEHUMIDIFYING COMPONENTS	29
INLET AIR COMPONENTS	45
DAMPER COMPONENTS	48
ENERGY RECOVERY MODULES.....	50
POWER EXHAUST (OPTION PE) COMPONENTS	53
GAS HEAT SECTION COMPONENTS (MODELS RDCB AND RDDB)	53
ELECTRIC HEAT MODULES (MODELS RECB AND REDB)	64
EXTERNAL CABINET PARTS	67
ROOF CURBS	71

IMPORTANT

1. Always include complete model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.
2. In keeping with our policy of continuous product improvement, we reserve the right to alter any information shown here. Specifications are subject to change without notice.
3. We reserve the right to substitute functional replacements.
4. Order by Part Number (PN), not by option designation.

Table 6. Replacement Electrical Components

Item No.	Component	Description	PN	Figure Reference
High Voltage Panel or Heat Section Control Panel				
1	Phase loss/voltage monitor	208/230/460V (option AK5, AK6, or AK7), for option PL4 575V (option AK8), for option PL4)	176826 258881	Figure 3, Figure 5
1A	Socket	For phase loss/voltage monitor	194168	Figure 5
2	Distribution block	115A	207641	Figure 3, Figure 4
		250A	222673	
		310A	223495	
3	Transformer	0.25-kVA, with 5-amp time delay fuse (PN 261596), Cutler Hammer S20N11S26	11279	
		0.25-kVA, with 5-amp time delay fuse (PN 261696), Sola-HD HS10B250	113556	
		0.5-kVA, 480-230/120, with 3-amp Fuse (PN 201803), Cutler Hammer S20N11S51	11100	
		0.5-kVA, 575-240/120, with 3-amp fuse (PN 201803), Cutler Hammer S57N11S51N	202056	
		1.0-kVA, with 5 amp fuse (PN 90335), Cutler Hammer S20N11S01	16065	
		1.0-kVA, with 5-amp fuse (PN 90335), Cutler Hammer S60G11S01N	209575	
		1.5-kVA, 480-230/120, with 8-amp fuse (PN 38636), Cutler Hammer S20N11S16N	197085	
		1.5-kVA, 600-240/120, with 8-amp fuse (PN 38636), Cutler Hammer S60G11S16N	260918	
		75-VA, 120/208/240/480-24V, includes circuit breaker, Functional Devices TR75VA005	208989	
		1-kVA, 208-240/120V, for cabinet D with options AG70 and AK5), Cutler Hammer S29N11S01	223462	
		75-VA, 460/575-24V, Hartland Controls HCT-130J2K02199	258912	
		0.75-kVA, 240/480-120/240V, Cutler Hammer S20N11S76	11217	
4	Fuse	3-amp, for transformer, with fuse holder (PN 60241)	201803	
		5-amp, for transformer, with fuse holder (PN 60241)	90335	
		8-amp, for transformer, with fuse holder (PN 60241)	38636	
		10-amp, for transformer, with fuse holder (PN 60241)	254953	
		1.5-amp, for transformer, with time delay, with fuse holder (PN 60241)	261956	
		8-amp, for controller transformer on cabinet D	201773	
5	Contactor*	25-amp, 24V coil, for condenser fan, replaces PN 119625	216386	
		25-amp, 24V coil, for compressors, replaces PN 119625	216386	
		40-amp, 24V coil, for compressors, replaces PN 223021	216387	
		50-amp, 24V coil, for compressors, replaces PN 208375	216388	
		75-amp, 24V coil, for compressors	222674	
		120V coil, for cabinet D with two gas heat sections	119626	
6	Digital controller	For MAPS® IV with digital scroll compressors	266067	Figure 3, Figure 5
6A	Variable resistor	MOV, for digital controller, for MAPS®IV units with option AK7 or AK8 and reheat option AUR1, required with obsolete interface board (PN 222769), not required with interface board (PN 1012894)	255303 (quantity 2)	—
7	Grounding lug		179196	Figure 3, Figure 4
Low Voltage Panel or Heat Section Control Panel				
8	Display	Digital controller, unit-mounted, I/Q system BacView	222189	Figure 3, Figure 4, Figure 6
8A	Bracket	Digital controller	256823	—
9	IQ digital controller**	With programmed software	257604	Figure 3, Figure 4, Figure 6
10	Carel digital controller	For MAPS C, option D19	1011000	Figure 6
		For MAPS C, option D21	1011001	
		For MAPS C, option D22	1024329	
		For MAPS C, option D23	1024330	
		For MAPS D, option D19	1011002	
		For MAPS D, option D21	1011003	
		For MAPS D, option D22	1024335	
		For MAPS D, option D23	1024336	
10A	Carel plug	For digital controller	272630	
11	Expansion board	Control, option BHB6	222188	Figure 3, Figure 6
12	Card, plug-in	With LON software (BHB5) assembly	234823	

*For the blower motor contactor, refer to [Motor Components](#).

**Replacement requires specific model and serial No. of MAPS® system (on system rating plate): provide to local Distributor.