

### IMPORTANT

1. Always include complete heater model and serial number so that any specification change can be considered for parts shipment. It can save time and expense.
2. Specifications are subject to change without notice.
3. We reserve the right to substitute functional replacements.
4. Order either by Kit or Component Part No.

**REZNOR**<sup>®</sup> *Thomas & Betts*

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#### ADDITIONAL REFERENCES

##### Forms:

- Installation Form I-RDF, Model RDF
- Operation/Maintenance/Service Form O-ADF/DV/RDF
- Installation Form I-OPT-C, Roof Curb Installation Instructions
- Parts Form P-GC, Gas Conversion
- Parts Form P-VALVES, Serial No., Gas Valves, and Maxitrol Gas Controls
- Instruction Form CP-RDF-IGN, Conversion to Hot Surface Ignition

**Website:** [www.RezSpec.com](http://www.RezSpec.com) (Forms are available to download.)

# RDF Series Direct-Fired Makeup Air Heater

Replacement Parts Form RZ-NA P-RDF (Version A)

Obsoletes Form RGM 740 (Version A) and P-RDF

APPLIES TO:

Model RDF

#### Rating Plate and Serial No.

**REZNOR**

MERCER, PA. USA 16137



#### ANSI Z83.18A-2001 DIRECT-FIRED INDUSTRIAL AIR HEATER

FOR INDUSTRIAL/COMMERCIAL USE ONLY  
FOR EITHER INDOOR OR OUTDOOR INSTALLATION

MODEL { **A** } SERIAL #  
GAS TYPE { **B** } MOTOR HP { **C** }  
VOLTAGE { **D** } PHASE { **E** } 60 HZ  
MAX TOTAL INPUT AMPS FOR THE UNIT { **F** }  
WIRING DIAGRAM NUMBER: { **P** }

UNIT IS EQUIPPED FOR { **G** } SCFM AGAINST { **H** } IN WC ESP WITH A MAX DISCH TEMP OF { **Q** } °F AND A MAX TEMP RISE OF { **Z** } °F AND CANNOT BE USED BELOW -40 °F

THIS HEATER HAS BEEN DESIGNED TO OPERATE AT A MINIMUM { **I** } CFM OF VENTILATION AIR TO PROPERLY DILUTE ITS COMBUSTION PRODUCTS BASED ON A MINIMUM ROOM AIR TEMPERATURE OF 55 °F, A MINIMUM OUTDOOR TEMPERATURE OF -40 °F, AND A MAXIMUM DISCHARGE TEMPERATURE OF { **Q** } °F. SEE INSTALLATION INSTRUCTIONS FOR OTHER LIMITATIONS FOR RE-CIRCULATION APPLICATIONS.

MAXIMUM INPUT RATING { **J** } BTU/HR  
MINIMUM INPUT RATING { **K** } BTU/HR  
NORMAL MANIFOLD PRESS. { **L** } IN WC  
MIN GAS INLET PRESS. FOR BURN. ADJ. { **M** } IN WC  
MAX PERMISSIBLE GAS SUPPLY PRESS. { **N** } PSI  
MIN PRESSURE DROP ACROSS BURNER 0.25 IN WC  
MAX PRESSURE DROP ACROSS BURNER 0.75 IN WC

#### CLEARANCES TO COMBUSTIBLES:

TOP, BOTTOM, AND SIDE OPPOSITE CONTROLS - 1 INCH  
FOR SERVICE ON CONTROL SIDE OF UNIT - WIDTH OF UNIT

INSTALL UNITS IN ACCORDANCE TO THE MOST RECENT STAND. ANSI/NFPA 409 IF INSTALLED IN AIRCRAFT HANGERS  
STAND. ANSI/NFPA 88A IF INSTALLED IN PARKING STRUCTURES  
STAND. ANSI/NFPA 88B IF INSTALLED IN REPAIR GARAGES

#### Rating Plate Codes:

<b>A</b> = Model No.	<b>K</b> = Minimum Input
<b>B</b> = Gas Type (Nat or LP)	<b>L</b> = Manifold Pressure
<b>C</b> = Motor HP	<b>M</b> = Minimum Inlet Pressure
<b>D</b> = Volt	<b>N</b> = Maximum Supply Pressure
<b>E</b> = Phase	<b>P</b> = Wiring Diagram No.
<b>F</b> = Maximum Total Input Amps for Unit	<b>Q</b> = Maximum Discharge Temperature
<b>G</b> = SCFM	<b>Z</b> = Maximum Temperature Rise °F
<b>H</b> = ESP	
<b>I</b> = CFM	
<b>J</b> = Maximum Input	

# Rating Plate and Serial No. (cont'd)

## Serial No.

Example: 

ANH	61	K2	N	40297	CA	MV7
1	2	3	4	5	6	7

### Codes:

- 1 = Date of manufacture (see chart on page 2)
- 2 = Type of pilot
- 3 = Type of valve
- 4 = Type of gas (N= Natural;  
L= Propane)
- 5 = Consecutive number
- 6 = Type of air control (CA=Constant Air Volume; VA=Variable Air Volume;  
RA=Recirculation Air)
- 7 = Type of Maxitrol gas control (MV7=Maxitrol System 14; MV8=Maxitrol System 14A;  
MV9=Maxitrol System 44; MVB=Maxitrol System 94; MVC=with Maxitrol A200  
Conditioner; MVD=Maxitrol System 14E; MVE=Maxitrol System 44E-21; MVF=Maxitrol  
System 44ER-21)

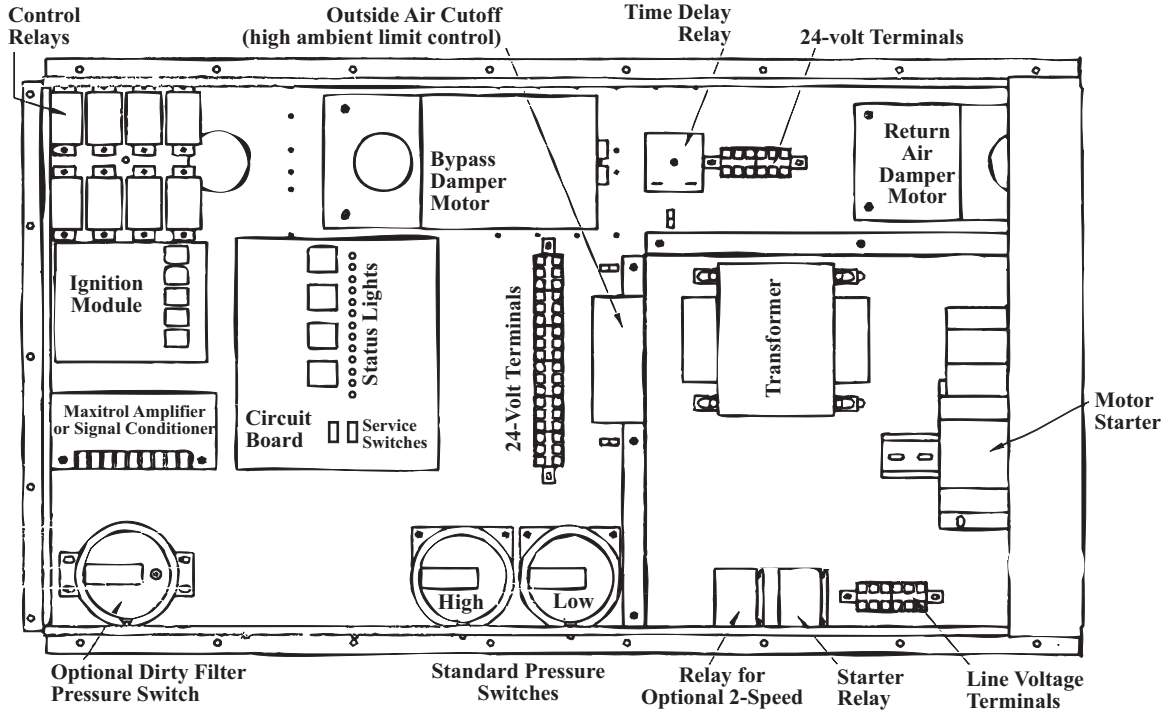
### First Element of the Serial Number - Date of Manufacture

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1984	AJA	AJB	AJC	AJD	AJE	AJF	AJG	AJH	AJI	AJJ	AJK	AJL
1985	AKA	AKB	AKC	AKD	AKE	AKF	AKG	AKH	AKI	AKJ	AKK	AKL
1986	ALA	ALB	ALC	ALD	ALE	ALF	ALG	ALH	ALI	ALJ	ALK	ALL
1987	AMA	AMB	AMC	AMD	AME	AMF	AMG	AMH	AMI	AMJ	AMK	AML
1988	ANA	ANB	ANC	AND	ANE	ANF	ANG	ANH	ANI	ANJ	ANK	ANL
1989	AOA	AOB	AOC	AOD	AOE	AOE	AOG	AOH	AOI	AOJ	AOK	AOL
1990	APA	APB	APC	APD	APE	APF	APG	APH	API	APJ	APK	APL
1991	AQA	AQB	AQC	AQD	AQE	AQF	AQG	AQH	AQI	AQJ	AQK	AQL
1992	ARA	ARB	ARC	ARD	ARE	ARF	ARG	ARH	ARI	ARJ	ARK	ARL
1993	ASA	ASB	ASC	ASD	ASE	ASF	ASG	ASH	ASI	ASJ	ASK	ASL
1994	ATA	ATB	ATC	ATD	ATE	ATF	ATG	ATH	ATI	ATJ	ATK	ATL
1995	AUA	AUB	AUC	AUD	AUE	AUF	AUG	AUH	AUI	AUJ	AUK	AUL
1996	AVA	AVB	AVC	AVD	AVE	AVF	AVG	AVH	AVI	AVJ	AVK	AVL
1997	AWA	AWB	AWC	AWD	AWE	AWF	AWG	AWH	AWI	AWJ	AWK	AWL
1998	AXA	AXB	AXC	AXD	AXE	AXF	AXG	AXH	AXI	AXJ	AXK	AXL
1999	AYA	AYB	AYC	AYD	AYE	AYF	AYG	AYH	AYI	AYJ	AYK	AYL
2000	AZA	AZB	AZC	AZD	AZE	AZF	AZG	AZH	AZI	AZJ	AZK	AZL
2001	BAA	BAB	BAC	BAD	BAE	BAF	BAG	BAH	BAI	BAJ	BAK	BAL
2002	BBA	BBB	BBC	BBD	BBE	BBF	BBG	BBH	BBI	BBJ	BBK	BBL
2003	BCA	BCB	BCC	BCD	BCE	BCF	BCG	BCH	BCI	BCJ	BCK	BCL
2004	BDA	BDB	BDC	BDD	BDE	BDF	BDG	BDH	BDI	BDJ	BDK	BDL
2005	BEA	BEB	BEC	BED	BEE	BEF	BEG	BEH	BEI	BEJ	BEK	BEL
2006	BFA	BFB	BFC	BFD	BFE	BFF	BFG	BFH	BFI	BFJ	BFK	BFL
2007	BGA	BGB	BGC	BGD	BGE	BGF	BGG	BGH	BGI	BGJ	BGK	BGL
2008	BHA	BHB	BHC	BHD	BHE	BHF	BHG	BHH	BHI	BHJ	BHK	BHL
2009	BIA	BIB	BIC	BID	BIE	BIF	BIG	BIH	BII	BIJ	BIK	BIL
2010	BJA	BJB	BJC	BJD	BJE	BJF	BJG	BJH	BJI	BJJ	BJK	BJL
2011	BKA	BKB	BKC	BKD	BKE	BKF	BKG	BKH	BKI	BKJ	BKK	BKL
2012	BLA	BLB	BLC	BLD	BLE	BLF	BLG	BLH	BLI	BLJ	BLK	BLL
2013	BMA	BMB	BMC	BMD	BME	BMF	BMG	BMH	BMI	BMJ	BMK	BML
2014	BNA	BNB	BNC	BND	BNE	BNF	BNG	BNH	BNI	BNJ	BNK	BNL
2015	BOA	BOB	BOC	BOD	BOE	BOF	BOG	BOH	BOI	BOJ	BOK	BOL

# Electrical Control Compartment Typical Component Locations

See below and the following pages for P/N's and illustrations.

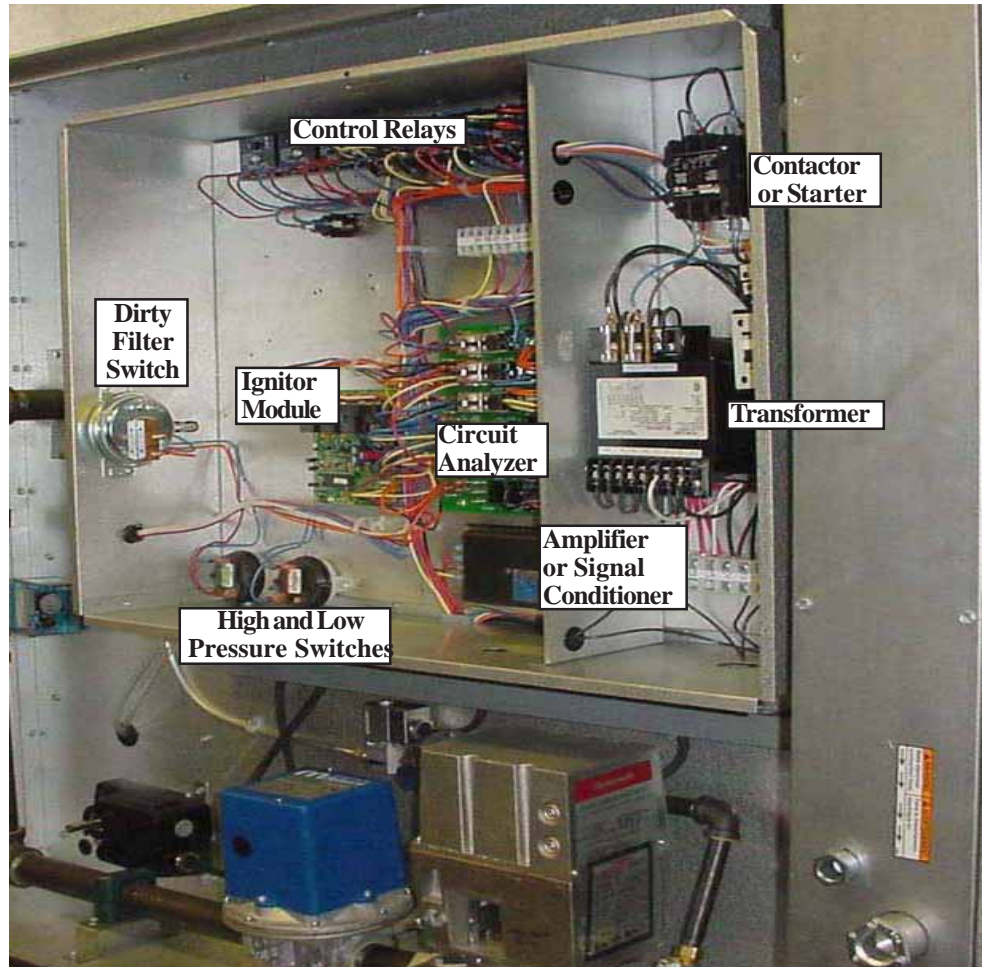
**NOTE:** Illustration shows approximate locations of controls on RDF Series 3 systems. Manufacture of Series 3 system began in 9/03. RDF systems manufactured prior to Series 3 have similar controls but control locations are different. Because this product has experienced ongoing development, always provide complete model and serial number when inquiring about or ordering replacement parts.



Model RDF Series 3 Control Compartment

Electrical Box













Gas Train/Manifold

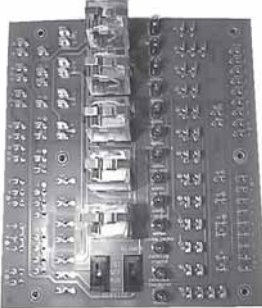









# Electrical Components



CODE	Description			Location	P/N
1A	RBM Relay, SP-ST,	Hamilton Standard #84-20102-101	Codes 1A&B are interchangeable.	Control Compartment	14747
1B	24V Coil	Hamilton Standard #134-20102-101			98118
2A	RBM Relay, SP-DT,	Hamilton Standard #84-20103-301	Codes 2A&B are interchangeable.	Control Compartment	18549
2B	24V Coil	Products Unltd 9400-04-Q180			103317
3	Time Delay Relay (Low Fire), 24V Coil, Thermodisc #F12S20, Style 305005			Control Compartment	89254
4A	RBM Relay, SP-ST,	Hamilton Standard #84-50202-101	Codes 4A&B are interchangeable.	Control Compartment	86982
4B	120V Coil	Hamilton Standard #134-50202-101			103319
5	Time Delay Relay (for freezestat bypass), T&B Agastst #VTM1ULA			Control Compartment	89661
6A	RBM Relay, SP-DT,	Hamilton Standard #84-50203-301	Codes 6A&B are interchangeable.	Control Compartment	90205
6B	120V Coil	Hamilton Standard #134-50203-301			103318
7	Prepurge Time Delay Relay, 24V Coil, Thermodisc #12S20			Control Compartment	52887
8	Relay, 24V Coil, Essex #91-102006-1300			Control Compartment	110656
9	Manual Reset Limit, Thermodisc 330545, L150			Blower Discharge	82610
10	Automatic Limit, L135, Thermodisc #60T11-312616			Blower Discharge	86979
11	Outside Air Cutoff (High Ambient Limit) & Freezestat, J/C #A19AAF-12C			Control Compartment	126170
12	Flame Safety Limit (ECO), Opens 306°F, Thermodisc #G4AP0200152C			Gas Train Compartment	82414
13	Firestat, Honeywell #L4029E1029, 200°F			Blower Discharge	42782
14	Spark Generator, 120V, Honeywell #Q624A 1014			Control Compartment	86974
15	Low Air Pressure Switch, IS2-0233-5275 for RDF Series 3			Control Compartment	207178
	Low Air Pressure Switch Kit replaces P/N 86986, #FS4197-166 or PPS10175-3043			Control Compartment	193806
16	High Air Pressure Switch, IS2-0233-5273 for RDF Series 3			Control Compartment	207176
	High Air Pressure Switch Kit replaces P/N 86987, #FS4197-164 or PPS10175-3041			Control Compartment	193807
17	Plastic Tee for Air Pressure Tubing, 3/16", 1/16" I.D.				87482
18A	Yellow Plastic Tubing for air pressure switch, 3/16" O.D. x 14"				122855
18B	Clear Plastic Tubing for Air Pressure Switch, 3/16" O.D. x 3 ft				102401
19	Bushing and Insect Screen for Sensing Probes (not illustrated)				96794
20A	Air Pressure Switch, IS2-0233-5274 for RDF Series 3			Control Compartment	207177
	Air Pressure Switch Kit replaces P/N 87250, #FS4197-165 or PPS10175-3042				193809
20B	Air Pressure Switch, IS2-0233-5276 for RDF Series 3			Control Compartment	207179
	Air Pressure Switch Kit replaces P/N 87249, #FS4197-171 or PPS10175-3044				193808
21	Contactor, Furnace 42AF15AJ, 24V (used with Option BM80 and BM81 manifold)			Control Compartment	203935
22	Diagnostic Circuit Analyzer Board				151263
22A	Replacement Bulb for Circuit Analyzer Board, RDF Series 3			Control Compartment	125189
	Replacement Light for Circuit Analyzer Board (Option BS2 prior to RDF Series 3)				101889
22B	Replacement Relay for Code 22, SKMP-2C-24AC				151271
23	Terminal Block, #KT3			Control Compartment & Remote Console	144972
24	Terminal Block Adapter				144973
25	Convenience Outlet Receptacle, Hubbell #GF5362 (separate electrical supply)			Control Compartment	96912
26A	Dirty Filter Pressure Switch, Tri-Delta #AP4434, set at .3" w.c.			Control Compartment	105507
26B	Clear Plastic Tubing for Dirty Filter Pressure Switch, 3/16" O.D. x 112"				179302
27A	Fuseholder, 24V, Wesco #S257A57G01			Control Compartment	38635
27B	Fuseholder, Buss Model HTB-481			Control Compartment	60241
28	Fuses - See descriptions and list of P/N's on page 5.				
29	Transformer - See descriptions and list of P/N's on page 5.				
30	DPDT System Switch, Winter/Off/Summer, Cutler Hammer 7561K6			Space (Console)	101900
31	SPDT Switch (service switch), Cutler Hammer 7505K6			Control Compartment	101901
32	Null Pressure Switch, .01" - .20" w.c., Dwyer #1640-0			Heated Space	88052
33	Potentiometer, Honeywell 112894FA			Space / Remote Console	16110
34	Photohelic Pressure Sensor in Options AR36 & AR37, 3000-00-N24 Vac			Remote	158893

<b>CODE 1B - Relay, P/N 98118</b>  	<b>CODE 2B - Relay, P/N 103317</b>  	<b>CODE 3 - Time Delay Relay (Low Fire), P/N 89254 (On units mfgd prior to 3/96)</b> 	<b>CODE 4B - Relay, P/N 103319</b> 
<b>CODE 5 - Time Delay Relay (Freezestat), P/N 89661</b> 	<b>CODE 6 - Relay, P/N 103318</b> 	<b>CODE 7 - Prepurge Time Delay Relay, P/N 52887</b> 	<b>CODE 8 - Relay, P/N 110656</b>  






<b>CODE 9 - Limit Switch, P/N 82610</b>  Reset Button	<b>CODE 10 - Limit, P/N 86979</b>  (Automatic Reset)	<b>CODE 11, - Adjustable Outside Air Cutoff Control and Freezestat, P/N 126170</b>  (Replaces P/N 16108) Grommet Clamp, P/N 131993; Cable Clamp, P/N 132065		
<b>CODE 12 - ECO Limit, P/N 82414</b> 	<b>CODE 13 - Firestat, P/N 42782</b> 	<b>CODE 14 - Spark Generator, P/N 86974</b> (On units mfgd prior to 3/96) 	<b>CODE 15 - Low Air Pressure Switch, P/N 207178</b>  Replace pressure switch P/N 86986 with Kit P/N 193806.	
<b>CODE 16 - High Air Pressure Switch, P/N 207176</b>  Replace pressure switch P/N 86987 with Kit P/N 193807.	<b>CODE 17 - Tee for Air Pressure Tubing, P/N 87482</b>  <b>CODE 18A - Clear Plastic Tubing, P/N 102401 (3')</b> <b>CODE 18B - Yellow Plastic Tubing, P/N 122855 (14")</b>	<b>CODE 20A - Air Pressure Switch, P/N 207177</b>  Replace pressure switch P/N 87250 with Kit P/N 193809.	<b>CODE 20B - Air Pressure Switch, P/N 207179</b>  Replace pressure switch P/N 87249 with Kit P/N 193808.	<b>CODE 21 - Contactor, Furnas 42AF15AJ, 24V, (used with Option BM80 and BM81 manifold, P/N 203935</b> 

<b>CODE 22 - Circuit Analyzer Board, P/N 151263 (Std beginning with RDF Series 3. Option BS2 prior to Series 3.)</b> <b>CODE 22A, Replacement Lights for Circuit Analyzer Board - P/N 125189 Series 3; prior to Series 3, P/N 101889</b> <b>CODE 22B, Replacement Relay for Board, P/N 151271</b>		<b>CODE 23 - Terminal Block, P/N 144972</b>  <b>CODE 24 - Terminal Block Adapter, P/N 144973</b> 	<b>CODE 25 - Convenience Outlet Receptacle, P/N 96912</b> 	<b>CODE 26A - Dirty Filter Pressure Switch, P/N 105507 (replaces P/N 102773)</b>  <b>CODE 26B - Clear Plastic Tubing, 3/16", P/N 179302</b>
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Fuseholders and Fuses	Description	P/N	Description	P/N
<b>CODE 27A - Fuseholder, P/N 38635</b>  <b>CODE 27B - Fuseholder, P/N 60241 (used with spark ignition)</b> 	<b>CODE 28 - Fuses</b> 	2.5 Amp, #3210 (spark ignition) Bussman FRN-R15, 230/1 Bussman FRN-R30, 208/230/3 Bussman FRN-R10, 208/3 Bussman FRN-R7, 230/3 Bussman FRN-R25, 208/3 Bussman FRN-R60 Bussman FRN-R50 Bussman FRN-R90 Bussman FRN-R150	Bussman FRN-R175 Bussman FRS-R3.5, 460/3 Bussman FRS-R8, 460/3 Bussman FRS-R5, 460/3 Bussman FRS-R15, 460/3 Bussman FRS25 Bussman FRS-R40 8 Amp, Fusetron 3AG-8 (hot surface ignition) 5 Amp, Fusetron MDL 3AG	<b>91595</b> <b>89266</b> <b>89268</b> <b>89267</b> <b>87638</b> <b>31891</b> <b>89936</b> <b>38636</b> <b>90335</b>

CODE 29 - Transformers	Volts In	Volts Out	VA	Manufacturer's No.	Reznor P/N
<b>40VA</b> 	115	24	200	Hevi-Duty #2223018T00 (used with hot surface ignition)	<b>38634</b>
<b>200-500 VA</b> 	115	24	40	Basler #BE141650-WAA (Used with spark ignition) (2 required to replace P/N 61806)	<b>103055</b>
	208/230	24	40	Basler #BE21539001 (2 required to replace P/N 61807)	<b>103497</b>
	208	110	500	Hevi-Duty #2227003T00	<b>86998</b>
	230/460	24	200	Siemens MT0200JX24	<b>39095</b>
	230/460	110	500	Hevi-Duty #2227001T00	<b>86997</b>
	460	24	40	Basler #BE23975001 (2 required to replace P/N 61808)	<b>103498</b>

# Electrical Components (cont'd)

<p><b>CODE 30 - DPDT System Switch, P/N 101900 (winter/off/summer)</b></p>  <p>L2 → T4 T3 T2 L1 → T1</p>	<p><b>CODE 32 - Potentiometer, P/N 16011 (remote damper motor control in Options AR 19 and 22)</b></p> 	<p><b>CODE 32 - Null Pressure Switch, P/N 88052 (remote damper motor control in Air Control Options AR 20 and 23)</b></p> 
<p><b>CODE 31 - DPDT System Switch, P/N 101901 (service switch)</b></p>  <p>L1 → T2 T1</p>	<p><b>CODE 34 - Photohelic Pressure Sensor, P/N 158893 (remote damper motor control in Air Control Options AR 36 and 37)</b></p>  <p><b>CODE 35 - Sampling Tube only, P/N 159714</b></p>	

## Blower Motors, Contactor, and Starters

<p><b>CODE 36</b></p>  <p><b>Contactor</b></p>	<p><b>CODE 37</b></p>  <p><b>Starter (24V) Overload</b></p>	<p><b>CODE 35 - BLOWER MOTOR</b></p> <p>Motors in the table below that <b>do not have a CODE 36 contactor listed do not have internal overload protection and MUST be used with the CODE 37 motor starter and starter overload.</b> If a contactor is listed, motor may be used with either the contactor or the optional starter.</p> <p><b>CODE 36 - Replacement Contactor (Option AN2)</b> Motor contactor, P/N 119625, Mfr #42AF35AJ-24V coil</p> <p><b>CODE 37 - Replacement Starter (24V) &amp; Overload (Option AN10)</b> When ordering a replacement IEC starter or overload, check the manufacturer's number on both parts. If the number is different than that listed, both components must be replaced. IEC Starter (contactor) and overload are mounted on rail, P/N 111387.</p> <p><b>If Model RDF was manufactured prior to 1996, check to see if the IEC starter is line voltage or 24 volt. If line voltage, select replacement starter on pages 9-10. If the motor has a NEMA starter (units mfgd before 1991), see the replacement parts on page 10.</b></p>
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(Located in the electrical compartment; see location on page 3.)

CODE35 -Motor						CODE37 - Starter (24V)					Starter Overload				CODE36 - Contactor				
Type	HP	P/N	Model No.	Frame	fla	Shaft	Volt	ph	Service Factor	Power Factor	Efficiency %	Mfr No.	P/N	min	max	GE#	P/N	Mfr No.	P/N
OPEN	1/2	102627	BF2054	56Z	8.8	5/8"	120	1	1.15			CL00A310T-1	151275	8.00	12.00	RTA1-N	151193	42AF35AJ-24V	119625
OPEN	1/2	102627	BF2054	56Z	5.1	5/8"	208	1	1.15			CL00A310T-1	151275	4.00	6.30	RTA1-L	151191	42AF35AJ-24V	119625
OPEN	1/2	102627	BF2054	56Z	4.4	5/8"	240	1	1.15			CL00A310T-1	151275	4.00	6.30	RTA1-L	151191	42AF35AJ-24V	119625
OPEN	1/2	159183	H880	LA56	2.5	5/8"	208	3	1.25			CL00A310T-1	151275	1.80	2.70	RTA1-J	151189	42AF35AJ-24V	119625
OPEN	1/2	159183	H880	LA56	3.0	5/8"	240	3	1.25			CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	1/2	159183	H880	LA56	1.5	5/8"	480	3	1.25			CL00A310T-1	151275	1.30	1.90	RTA1-H	151188	42AF35AJ-24V	119625
OPEN	1/2	202089	H991	H56	0.9	5/8"	575	3	1.25			CL00A310T-1	151275	0.65	1.10	RTA1-F	151186	=====	=====
OPEN	3/4	93548	312P629	B56	11.0	5/8"	120	1	1.25			CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	42AF35AJ-24V	119625
OPEN	3/4	93548	312P629	B56	6.3	5/8"	208	1	1.25			CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	3/4	93548	312P629	B56	5.5	5/8"	240	1	1.25			CL00A310T-1	151275	4.00	6.30	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	3/4	36951	312P696	D56	2.9	5/8"	208	3	1.25			CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	3/4	36951	312P696	D56	2.6	5/8"	240	3	1.25			CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	3/4	36951	312P696	D56	1.3	5/8"	480	3	1.25			CL00A310T-1	151275	1.00	1.50	RTA1-G	151187	42AF35AJ-24V	119625
OPEN	3/4	202090	H992	H56	1.0	5/8"	575	3	1.25			CL00A310T-1	151275	0.65	1.10	RTA1-F	151186	=====	=====
OPEN	1	13685	C523	H56	13.0	5/8"	120	1	1.25			CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	42AF35AJ-24V	119625
OPEN	1	13685	C523	H56	7.5	5/8"	208	1	1.25			CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	1	13685	C523	H56	6.5	5/8"	240	1	1.25			CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	1	36580	H882	F56	3.7	5/8"	208	3	1.15		79%	CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	1	36580	H882	F56	3.2	5/8"	240	3	1.15		79%	CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	1	36580	H882	F56	1.6	5/8"	480	3	1.15		79%	CL00A310T-1	151275	1.30	1.90	RTA1-H	151188	42AF35AJ-24V	119625
OPEN	1	158175	E1006	N143T	1.1	7/8"	575	3	1.15		82.50%	CL00A310T-1	151275	1.00	1.50	RTA1-G	151187	=====	=====
OPEN	1.5	194202	C621	56	15.0	5/8"	120	1	1.2	86.4	77.20%	CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	42AF35AJ-24V	119625
OPEN	1.5	194202	C621	56	7.8	5/8"	208	1	1.2	86.4	77.20%	CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	1.5	194202	C621	56	7.5	5/8"	240	1	1.2	86.4	77.20%	CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	1.5	115859	H884	UA56	5.6	5/8"	208	3	1.15	66.4	78.60%	CL00A310T-1	151275	4.00	6.30	RTA1-L	151191	42AF35AJ-24V	119625
OPEN	1.5	115859	H884	UA56	5.0	5/8"	240	3	1.15	66.4	78.60%	CL00A310T-1	151275	4.00	6.30	RTA1-L	151191	42AF35AJ-24V	119625
OPEN	1.5	115859	H884	UA56	2.8	5/8"	480	3	1.15	66.4	78.60%	CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	1.5	158162	E1007	R145T	1.6	7/8"	575	3	1.15	85.3	84.00%	CL00A310T-1	151275	1.30	1.90	RTA1-H	151188	=====	=====
OPEN	2	202581	RB1204A	56	24.6	7/8"	120	1				CL04A310M-1	151279	21.00	26.00	RTA1-U	151198	42AF35AJ-24V	119625
OPEN	2	202581	RB1204A	56	12.3	7/8"	208	1				CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	42AF35AJ-24V	119625
OPEN	2	202581	RB1204A	56	12.3	7/8"	240	1				CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	42AF35AJ-24V	119625
OPEN	2	159327	H886	56HZ	7.0	7/8"	208	3	1.15	67	79%	CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	2	159327	H886	56HZ	6.6	7/8"	240	3	1.15	67	79%	CL00A310T-1	151275	5.50	8.50	RTA1-M	151192	42AF35AJ-24V	119625
OPEN	2	159327	H886	56HZ	3.5	7/8"	480	3	1.15	67	79%	CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	42AF35AJ-24V	119625
OPEN	2	158176	E1008	P145T	2.1	7/8"	575	3	1.15	86	84.00%	CL00A310T-1	151275	1.80	2.70	RTA1-J	151189	=====	=====
OPEN	3	111560	B735	L56	13.7	5/8"	208	1	1.15			CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	=====	=====
OPEN	3	111560	B735	L56	12.4	5/8"	230	1	1.15			CL01A310T-1	151276	10.00	16.00	RTA1-P	151194	=====	=====
OPEN	3	159185	H845	P56HZ	9.0	7/8"	208	3	1.15			CL00A310T-1	151275	8.00	12.00	RTA1-N	151193	42AF35AJ-24V	119625
OPEN	3	159185	H845	P56HZ	8.6	7/8"	240	3	1.15			CL00A310T-1	151275	8.00	12.00	RTA1-N	151193	42AF35AJ-24V	119625
OPEN	3	159185	H845	P56HZ	4.3	7/8"	480	3	1.15			CL00A310T-1	151275	4.00	6.30	RTA1-L	151191	42AF35AJ-24V	119625
OPEN	3	120019	H954	N56HZ	3.6	7/8"	575	3	1.15	80.3	83.80%	CL00A310T-1	151275	2.50	4.10	RTA1-K	151190	=====	=====



# Blower Motors, Contactor, and Starters (cont'd)

CODE 35 - Motor										CODE 37 - Starter (24V)			Starter Overload			CODE 36 - Contactor			
Type	HP	P/N	Model No.	Frame	fla	Shaft	Volt	ph	Service Factor	Power Factor	Efficiency %	Mfr No.	P/N	min	max	GE#	P/N	Mfr No.	P/N
TEFC	7.5	105842	K305	F215T	34	1-3/8"	240	1				CL06A311M-1	203687	30.00	43.00	RTA2-E	151206		
TEFC	7.5	158171	E356	213T	24	1-3/8"	208	3				CL04A310M-1	151279	21.00	26.00	RTA1-U	151198		
TEFC	7.5	158171	E356	213T	19	1-3/8"	240	3				CL25A310T-1	151278	17.50	22.00	RTA1-T	151197		
TEFC	7.5	158171	E356	213T	9.5	1-3/8"	480	3				CL00A310T-1	151275	8.00	12.00	RTA1-N	151193		
TEFC	7.5	158172	E364	213T	7.6	1-3/8"	575	3				CL00A310T-1	151275	5.50	8.50	RTA1-N	151192		
TEFC	10	105846	K313	215T	39	1-3/8"	240	1				CL06A311M-1	203687	30.00	43.00	RTA2-E	151206		
TEFC	10	158173	E357	215T	30	1-3/8"	208	3				CL04A310M-1	151279	25.00	32.00	RTA1-V	151199		
TEFC	10	158173	E357	215T	26	1-3/8"	240	3				CL04A310M-1	151279	21.00	26.00	RTA1-U	151198		
TEFC	10	158173	E357	215T	13	1-3/8"	480	3				CL02A310T-1	151277	10.00	16.00	RTA1-P	151194		
TEFC	10	158174	E365	215T	9.6	1-3/8"	575	3				CL00A310T-1	151275	8.00	12.00	RTA1-N	151193		
TEFC	15	142443	BAL-FM2333T	254T	38	1-5/8"	240	3	1.15	82	90.20%	CL06A311M-1	203687	30.00	43.00	RTA2-E	151206		
TEFC	15	142443	BAL-FM2333T	254T	19	1-5/8"	480	3	1.15	82	90.20%	CL25A310T-1	151278	17.50	22.00	RTA1-T	151197		
TEFC	15	142444	B-FM2333-5	254T	15	1-5/8"	575	3	1.15	82	90.20%	CL02A310T-1	151277	10.00	16.00	RTA1-P	151194		
TEFC	20	142301	BAL-FM2334T	256T	52	1-5/8"	240	3	1.15	81	89.50%	CL07A311M-1	203793	42.00	55.00	RTA2-G	151202		
TEFC	20	142301	BAL-FM2334T	256T	26	1-5/8"	480	3	1.15	81	89.50%	CL04A310M-1	151279	25.00	32.00	RTA1-V	151199		
TEFC	20	142302	B-FM2334T-5	256T	20.6	1-5/8"	575	3	1.15	81	89.50%	CL25A310T-1	151278	17.50	22.00	RTA1-T	151197		
EE	1	105659	E103	N143T	3.1	7/8"	208	3				CL00A310T-1	151275	2.50	4.10	RTA1-K	151190		
EE	1	159328	E1015	143T	2.7	7/8"	240	3				CL00A310T-1	151275	2.50	4.10	RTA1-K	151190		
EE	1	159328	E1015	143T	1.4	7/8"	480	3				CL00A310T-1	151275	1.00	1.50	RTA1-G	151187		
EE	1	158175	E1006	N143T	1.1	7/8"	575	3				CL00A310T-1	151275	1.00	1.50	RTA1-G	151187		
EE	1 1/2	105662	E104	P145T	4.5	7/8"	208	3				CL00A310T-1	151275	4.00	6.30	RTA1-L	151191		
EE	1 1/2	159329	E1016	145T	3.9	7/8"	240	3				CL00A310T-1	151275	2.50	4.10	RTA1-K	151190		
EE	1 1/2	159329	E1016	145T	2.0	7/8"	480	3				CL00A310T-1	151275	1.90	2.70	RTA1-J	151189		
EE	1 1/2	158162	E1007	R145T	1.6	7/8"	575	3				CL00A310T-1	151275	1.30	1.90	RTA1-H	151188		
EE	2	105664	E105	P145T	6.0	7/8"	208	3				CL00A310T-1	151275	4.00	6.30	RTA1-L	151191		
EE	2	159027	E1017	145T	5.8	7/8"	240	3				CL00A310T-1	151275	4.00	6.30	RTA1-L	151191		
EE	2	159027	E1017	145T	2.9	7/8"	480	3				CL00A310T-1	151275	2.50	4.10	RTA1-K	151190		
EE	2	158176	E1008	P145T	2.1	7/8"	575	3				CL00A310T-1	151275	1.90	2.70	RTA1-J	151189		
EE	3	159186	B-35L405S489G3	145T	8.3	7/8"	208	3				CL00A310T-1	151275	8.00	12.00	RTA1-N	151193		
EE	3	159028	B-EM3158T	145T	7.4	7/8"	240	3				CL00A310T-1	151275	5.50	8.50	RTA1-N	151192		
EE	3	159028	B-EM3158T	145T	3.7	7/8"	480	3				CL00A310T-1	151275	2.50	4.10	RTA1-K	151190		
EE	3	159030	B-35L405S709G1	145T	3.0	7/8"	575	3				CL00A310T-1	151275	2.50	4.10	RTA1-K	151190		
EE	5	159029	E204	H182T	13.9	1-1/8"	208	3				CL02A310T-1	151277	10.00	16.00	RTA1-P	151194		
EE	5	159029	E204	H182T	11.6	1-1/8"	240	3				CL01A310T-1	151276	10.00	16.00	RTA1-P	151194		
EE	5	159029	E204	H182T	5.8	1-1/8"	480	3				CL00A310T-1	151275	5.50	8.50	RTA1-M	151192		
EE	5	111602	BAL-M3613T-5	184T	4.8	1-1/8"	575	3				CL00A310T-1	151275	4.00	6.30	RTA1-L	151191		
EE	7 1/2	159331	E316	D213T	22.3	1-3/8"	208	3				CL04A310M-1	151279	21.00	26.00	RTA1-U	151198		
EE	7 1/2	159332	E317	D213T	19.4	1-3/8"	240	3				CL25A310T-1	151278	17.50	22.00	RTA1-T	151197		
EE	7 1/2	159332	E317	D213T	9.7	1-3/8"	480	3				CL00A310T-1	151275	8.00	12.00	RTA1-N	151193		
EE	7 1/2	158164	E324	S213T	7.8	1-3/8"	575	3				CL00A310T-1	151275	5.50	8.50	RTA1-N	151192		
EE	10	159333	E318	H215T	27.8	1-3/8"	208	3				CL04A310M-1	151279	25.00	32.00	RTA1-V	151199		
EE	10	159334	E397	H215T	24.2	1-3/8"	240	3				CL04A310M-1	151279	21.00	26.00	RTA1-U	151198		
EE	10	159334	E397	H215T	12.1	1-3/8"	480	3				CL01A310T-1	151276	10.00	16.00	RTA1-P	151194		
EE	10	158163	E325	S215T	10.4	1-3/8"	575	3				CL01A310T-1	151276	10.00	16.00	RTA1-P	151194		
EE	15	142440	B-EFM2513T-8	254T	41.5	1-5/8"	208	3	1.15	84	92.40%	CL06A311M-1	203687	30.00	43.00	RTA2-E	151206		
EE	15	142441	B-EFM2513T	254T	36.0	1-5/8"	240	3	1.15	84	92.40%	CL06A311M-1	203687	30.00	43.00	RTA2-E	151206		
EE	15	142441	B-EFM2513T	254T	18.0	1-5/8"	480	3	1.15	84	92.40%	CL25A310T-1	151278	17.50	22.00	RTA1-T	151197		
EE	15	142289	B-EFM2513T-5	254T	16	1-5/8"	575	3	1.15	84	92.40%	CL02A310T-1	151277	10.00	16.00	RTA1-P	151194		
EE	20	159187	C-E452-F2	S256T	57.0	1-5/8"	208	3	1.15	84	93.60%	CL07A311M-1	203793	54.00	65.00	RTA2-H	151203		
EE	20	142299	B-EFM2515T	256T	48.0	1-5/8"	240	3	1.15	84	93.00%	CL07A311M-1	203793	42.00	55.00	RTA2-G	151202		
EE	20	142299	B-EFM2515T	256T	24.0	1-5/8"	480	3	1.15	84	93.00%	CL04A310M-1	151279	21.00	26.00	RTA1-U	151198		
EE	20	142300	B-EFM2515T-5	256T	19.2	1-5/8"	575	3	1.15	84	93.00%	CL25A310T-1	151278	17.50	22.00	RTA1-T	151197		

## CODE 38 - Replacement Holding Coils for IEC Starters

Voltage	GE #	Reznor P/N	For Use with Contactors Beginning with GE#	Voltage	GE #	Reznor P/N	For Use with Contactors Beginning with GE#	Voltage	GE #	Reznor P/N	For Use with Contactors Beginning with GE#
24	LB1A-C	151280	CL00; CL01; CL02; CL25	24	LB3A-C	151286	CL04; CL45	208	LB4A-L	151292	CL06; CL07; CL08; CL09
120	LB1A-J	151281		120	LB3A-J	151287		230	LB4A-S	151293	
208	LB1A-L	151282		208	LB3A-L	151288		460	LB4A-U	151294	
230	LB1A-S	151283		230	LB3A-S	151289					
460	LB1A-U	151284		460	LB3A-U	151290					
575	LB1A-Y	151285		575	LB3A-Y	151291					





# Blower Motors, Contactor, and Starters (cont'd)

## Replacement Line Voltage Starters for RDF units manufactured before 1996 (cont'd)

Motor				CODE39 - Starter (line voltage) and Overloads						
Type	HP	P/N	volt	ph	Mfg No.	P/N	min	max	GE#	P/N
EE	1	105659	208	3	CL00A310T-L	151150	2.50	4.10	RTA1-K	151190
EE	1	159328	240	3	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
EE	1	159328	480	3	CL00A310T-U	151148	1.00	1.50	RTA1-G	151187
EE	1	158175	575	3	CL00A310T-Y	151149	1.00	1.50	RTA1-G	151187
EE	1 1/2	105662	208	3	CL00A310T-L	151150	4.00	6.30	RTA1-L	151191
EE	1 1/2	159329	240	3	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
EE	1 1/2	159329	480	3	CL00A310T-U	151148	1.90	2.70	RTA1-J	151189
EE	1 1/2	158162	575	3	CL00A310T-Y	151149	1.30	1.90	RTA1-H	151188
EE	2	105664	208	3	CL00A310T-L	151150	4.00	6.30	RTA1-L	151191
EE	2	159027	240	3	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
EE	2	159027	480	3	CL00A310T-U	151148	2.50	4.10	RTA1-K	151190
EE	2	158176	575	3	CL00A310T-Y	151149	1.90	2.70	RTA1-J	151189
EE	3	159186	208	3	CL00A310T-L	151150	8.00	12.00	RTA1-N	151193
EE	3	159028	240	3	CL00A310T-S	151147	5.50	8.50	RTA1-N	151192
EE	3	159028	480	3	CL00A310T-U	151148	2.50	4.10	RTA1-K	151190
EE	3	159030	575	3	CL00A310T-Y	151149	2.50	4.10	RTA1-K	151190
EE	5	159029	208	3	CL02A310T-L	151157	10.00	16.00	RTA1-P	151194
EE	5	159029	240	3	CL02A310T-S	151157	10.00	16.00	RTA1-P	151194
EE	5	159029	480	3	CL00A310T-U	151148	5.50	8.50	RTA1-M	151192
EE	5	111602	575	3	CL00A310T-Y	151149	4.00	6.30	RTA1-L	151191
EE	7 1/2	159331	208	3	CL04A310M-L	151169	21.00	26.00	RTA1-U	151198


Motor				CODE39 - Starter (line voltage) and Overloads						
Type	HP	P/N	volt	ph	Mfg No.	P/N	min	max	GE#	P/N
EE	7 1/2	159332	240	3	CL25A310T-S	151161	17.50	22.00	RTA1-T	151197
EE	7 1/2	159332	480	3	CL00A310T-U	151148	8.00	12.00	RTA1-N	151193
EE	7 1/2	158164	575	3	CL00A310T-Y	151149	5.50	8.50	RTA1-N	151192
EE	10	159333	208	3	CL04A310M-L	151169	25.00	32.00	RTA1-V	151199
EE	10	159334	240	3	CL04A310M-S	151166	21.00	26.00	RTA1-U	151198
EE	10	159334	480	3	CL01A310T-U	151153	10.00	16.00	RTA1-U	151194
EE	10	158163	575	3	CL00A310T-Y	151149	10.00	16.00	RTA1-P	151194
EE	15	142440	208	3	CL06A311M-L	151173	30.00	43.00	RTA2-E	151206
EE	15	142441	240	1	CL06A311M-S	151172	30.00	43.00	RTA2-E	151206
EE	15	142441	480	3	CL25A310T-U	151162	17.50	22.00	RTA1-T	151197
EE	15	142289	575	3	CL02A310T-Y	151158	10.00	16.00	RTA1-P	151194
EE	20	159187	208	3	CL07A311M-L	151176	54.00	65.00	RTA2-H	151203
EE	20	142299	240	3	CL06A311M-S	151172	42.00	55.00	RTA2-G	151202
EE	20	142299	480	3	CL04A310M-U	151167	21.00	26.00	RTA1-U	151198
EE	20	142300	575	3	CL25A310T-Y	151163	17.50	22.00	RTA1-T	151197
EE	25	159031	208	3	CL09A311M-L	151179	64.00	82.00	RT2-J	151204
EE	25	159033	240	3	CL08A311M-S	151177	54.00	65.00	RT2-H	151203
EE	25	159033	480	3	CL04A310M-U	151167	25.00	32.00	RT1-V	151199
EE	30	159032	208	3	CL10A311M-L	166756	78.00	97.00	RT2-L	151205
EE	30	159034	240	3	CL09A311M-S	151178	64.00	82.00	RT2-J	151204
EE	30	159034	480	3	CL06A311M-U	151174	30.00	43.00	RT2-E	151206

## CODE 40 - Replacement Parts for NEMA Starters - Apply to RDF Models MANUFACTURED prior to 10/92


NEMA Motor Starters			Reznor P/N for		
Size	Coil Voltage	GE#	RDF-1	RDF-2	RDF-3
0	24 Volt	CR306B024	39919	39919	39919
1	24 Volt	CR306C024	39920	39920	39920
2	24 Volt	CR306D024	—	39921	39921
3	24 Volt	CR306E024	—	39922	39922
4	24 Volt	CR306F024	—	—	91519
0	115 Volt	CR306B002	111523	—	—
0	208 Volt	CR306B023	111524	111524	—
0	230 Volt	CR306B003	111525	111525	—
0	460 Volt	CR306B004	111522	111522	111522
1	115 Volt	CR306C002	111526	—	—
1	208 Volt	CR306C023	111499	111499	—
1	230 Volt	CR306C003	111521	111521	—
1	460 Volt	CR306C004	111527	111527	—
2	208 Volt	CR306D023	—	111528	111528
2	230 Volt	CR306D003	—	111529	111529
2	460 Volt	CR306D004	—	111530	111530
3	208 Volt	CR306E023	—	111531	111531
3	230 Volt	CR306E003	—	—	111533
3	460 Volt	CR306E004	—	—	111532
3	575 Volt	CR306E004	—	—	119852
4	208 Volt	CR306F023	—	—	111534

Holding Coils for NEMA Starters			
Size	Coil Voltage	GE#	Reznor P/N
0/1	24	15D21G024	48531
0/1	115	15D21G002	48507
0/1	208	15D21G023	48509
0/1	230	15D21G003	73795
0/1	460	15D21G004	48512
0/1	575	15D21G005	73601
2	24	15D22G024	93957
2	208	15D22G023	111927
2	230	15D22G003	111928
2	460	15D22G004	111929
3	24	55-501336G024	95093
3	208	55-501336G023	111931
3	230	55-501336G003	111933
3	460	55-501336G004	111932
4	24	55-501463G024	102816
4	208	55-501463G023	111935


**NEMA Open Motor Starters**



**Starter Heater**



**Holding Coil**








NOTE: Effective 10/90, motor starter coils were changed to line voltage (For relay, see CODE 8, page 4)








Heaters for NEMA Starters		
HP/Voltage/Phase	GE#	Reznor P/N
5/208/3	CR123C18.0B	89941 or 110617
5/230/3 and 10/460/3	CR123C16.3B	16193 or 110626
5/460/3	CR123C8.67A	16192 or 110619
5/208/3	CR123C19.8B	91542
7.5/208/3	CR123C25.0B	16196
7.5/230/3	CR123C22.8B	89924 or 110622
7.5/460/3	CR123C12.5B	17257 or 110624
10/208/3	CR123C33.0B	89947 or 110625
10/230/3	CR123C30.3B	89949 or 110627
10/460/3	CR123C137B	110623
15/208/3	CR123F56.7B	91543
15/230/3	CR123FC40.0B	89933
15/460/3	CR123C21.4B	19556
20/208/3 and 25/230/3	CR123F77.28B	91544
20/230/3	CR123F65.8B	91545
25/208/3 and 30/230/3	CR123F91.4B	91546
25/460/3	CR123C36.6B	16195
30/208/3	CR123F10.4C	91547
30/460/3	FA30B	119851
30/575/3	F327B	121175

# Gas Regulators, Valves, and Pressure Switches

CODE	Description	P/N	
41	1" Pressure Regulator, RV53-88	123950	
42	Regulator, 1" manifold, 5 PSI to 6" w.c., Maxitrol R600S	86964	
42A	Standard brown spring for propane gas (in CODE 42) for lower pressure range 1 - 3.5" w.c.	91787	
	Std cadmium spring for natural gas (in CODE 42) for pressure range from 3.0 - 6.0" w.c., Maxitrol #R5310-36	97196	
	Optional orange spring in CODE 42, for pressure range from 4.0 - 8.0" w.c., Maxitrol #R5310-48	97351	
43A	Pilot Regulator, 3/8", Maxitrol #R400-S (replaced by CODE 43B)	86965	
43B	Pilot Regulator, 3/8", Maxitrol 325-3 (functional replacement for 43A)	112644	
44A	Pilot Valve, 110V, 3/8", G/C #S311AF02N6-CF5 (changed to 24V, CODE 44B, with units mfgd beginning 3/96)	86967	
44B	Pilot Valve, 24V, 3/8", G/C #S3111AF02N6-CF5 (used from 3/96 to 9/03)	145733	
44C	Pilot Valve, 24V, 3/8", M/H V8046C1030 (on units manufactured beginning 9/03)	204769	
45A	Pilot Needle Valve, Nupro B-4JNR (on units mfgd from 1/91 through 1/96)	112462	
45B	Pilot Needle Valve Conversion Kit (includes all parts needed to add pilot needle valve and change regulator on RDF Models manufactured prior to 1/91)	112645	
46A	Solenoid Valve, 1", 120V, G/C #K3A562T (changed to 24V, CODE 46B, with units mfgd beginning 3/96)	86966	
46B	Solenoid Valve, 1", 24V, G/C #K3A661T (on units mfgd prior to Series 3, 9/03)	146472	
47	1-stage Gas Valve, M/H VR8404M5569, Natural or Propane, 1"	Used in Gas Control Option AG1 available on RDF Series 3 (manufactured beginning 9/03)	159743
48	Air Controller, 40-100°F (used as a ductstat)		126170
49	2-stage Gas Valve, M/H V8944B-1126, Natural, 1"	Used in Gas Control Option AG3 available on RDF Series 3 (manufactured beginning 9/03)	203866
50	2-stage Ductstat, T678A1015, 60-110°F		41700
51	Mechanical Modulation Gas Valve, V5155-2548, 1", 40-120°F	Used in Gas Control Option AG50	203868

<p><b>CODE 41 - Regulator, P/N 123950, Maxitrol RV53-88</b></p> 	<p><b>CODE 42 - Regulator, P/N 86964, Maxitrol R600S</b></p>  <p><b>CODE 42A - Regulator Spring for CODE 42</b></p> 	<p><b>CODE 43A - Pilot Regulator, P/N 86965, Maxitrol R400S (on units manufactured prior to 1/91; replaced by CODE 43B)</b></p> 	<p><b>CODE 43B - Pilot Regulator, P/N 112644, Maxitrol 325-03 (on units manufactured beginning 1/91) - a functional replacement for CODE 42A</b></p> 
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<p><b>CODE 44A - Pilot Valve, P/N 86967, 110V, G/C #S311AF02N6-CP5</b></p> 	<p><b>CODE 44B - Pilot Valve, P/N 145733, 24V, G/C #S311AF02N6-CF5</b></p> 	<p><b>CODE 45A - Pilot Needle Valve, P/N 112462, Nupro #B-4JNR (on units manufactured between 1/91 and 3/96)</b></p> 	<p><b>CODE 45B - Pilot Needle Valve Conversion Kit, P/N 112645, for units manufactured before 1/91</b></p>  <p>Regulator, P/N 112644</p> <p>Brass Elbow, P/N 93388</p> <p>Needle Valve and Tubing, P/N 112710</p>
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<p><b>CODE 46A Solenoid Valve, P/N 86966, G/C #K3A562, 120V</b></p> 	<p><b>Components in Gas Control Option AG1</b></p> <p><b>CODE 47 - P/N 159743, 1-Stage Gas Valve</b></p> 	<p><b>Components in Gas Control Option AG3</b></p> <p><b>CODE 49 - P/N 203866, 2-Stage Gas Valve</b></p> 	<p><b>CODE 51 - P/N 203868, Mechanical Modulation Valve, M/H V5115B-2548, in Gas Control Option AG50</b></p> 
<p><b>CODE 46B Solenoid Valve, P/N 146472 G/C #K3A661T, 24V</b></p> 	<p><b>CODE 48 - P/N 126170, Controller</b></p> 	<p><b>CODE 50 - P/N 41700, 2-Stage Ductstat</b></p> 	


# Gas Regulators, Valves, and Pressure Switches (cont'd)

CODE	Description	RDF Model							
		1-20	1-40	1-50	1-65	2-80	2-120	3-180	3-260
52A	Valve only, 1" fluid power, Honeywell #V5055A1004	86992							
	Valve only, 1-1/4" fluid power, Honeywell #V5055A1012	N/A	N/A	N/A	N/A	89356			
	Valve only, 2" fluid power, Honeywell #V5055A1038	N/A	N/A	N/A	N/A	N/A	N/A	91079	
52B	Actuator only, 120V, fluid operated, Honeywell #V4055A1007	86993							
53	Vent Valve, 3/4" G/C #S262	86996							
	Vent Valve, 1" G/C #S262A02N3FJ5	N/A	N/A	N/A	N/A	N/A	N/A	91084	
54	Low Gas Pressure Switch, automatic	Used on RDF Series 3 (both include built-in vent limiter)		204375					
55	High Gas Pressure Switch, manual reset	204297							
56	Low Gas Pressure Switch, Antunes #RLGP-A	Used on RDF prior to Series 3 (9/03)		93849					
57	High Gas Pressure Switch, Antunes #HGP-AMI	93850							
58	Vent Limiter, Maxitrol #12A09	123481							
59A	Manual Gas Valve, 1", Conbraco #50-4031	30257							
	Manual Gas Valve, 1-1/4", Conbraco #50-503-02	N/A	N/A	N/A	N/A	89350			
	Manual Gas Valve, 2", Conbraco #50-703-02	N/A	N/A	N/A	N/A	N/A	N/A	91072	
59B	Gas Valve, Watts B-6000-UL-TH, with ball valve adapter, used on units mfgd beginning 7/90 replacing CODE 59A valves	159725, 1" Valve & 110758, 1" Ball Valve Adapter							
		159729, 1-1/4" Valve & 110759, 1-1/4" Ball Valve Adapter							
		159735, 2" Valve & 110760, 2" Ball Valve Adapter							
60	Manual Pilot Gas Valve, 3/8"	159720							
61	Gas Control Regulator, 1", Maxitrol M611 R-88	87001							
	Gas Control Regulator, 1-1/4", Maxitrol MR212D	N/A	N/A	N/A	N/A	89351			
	Gas Control Regulator, 2", Maxitrol MR212E	N/A	N/A	N/A	N/A	N/A	N/A	91071	
62	Gas Supply Regulator Kit, 5 psi	1" NPT (Same as Option CZ1)		124258					
		1-1/2" x 1-1/2" NPT (Same as Option CZ2)		124259					

**CODE 52A**  
(used with  
**CODE 52B**)



**CODE 52B**



Serial No. Code	Size	Gas	P/N
J2, J3, J4	1"	N or P	86992
K2	1-1/4"	N or P	89356
K4	2"	N or P	91079

Part of Serial No. Valve codes J2, J3, J4, K2 and K4



**CODE 53 - Vent Valve**  
3/4", P/N 86996, G/C #S262; 1", P/N 91084, G/C S262A0N3FJ5



**Gas Pressure Switches - on RDF Series 3**  
(manufactured beginning 9/03)


**CODE 54 - Low Gas Pressure Switch**  
(automatic), #C6097A1053, P/N 204375

**CODE 55 - High Gas Pressure Switch**  
(manual reset), #C6097B1028, P/N 204297





**Gas Pressure Switches - prior to Series 3**  
(9/03)

**CODE 56 - Low Gas Pressure Switch**, P/N 93849, Automatic Reset, Settings - 50% of minimum inlet gas pressure as stated on the unit rating plate



**CODE 57 - High Gas Pressure Switch**, P/N 93850, Manual Reset, Settings - 125% of normal manifold gas pressure as stated on the unit rating plate



**CODE 61 - Gas Control Regulators**

P/N 87001, 1", Maxitrol M611 R-88



P/N 91071, 2", Maxitrol MR212E



**CODE 58 - Vent Limiter used with Pressure Switches**, P/N 123481



**CODE 59B - Valve and Adapter with Test Port**



Valve



Adapter

**CODE 60 - Pilot Gas Valve**, P/N 159720



**CODE 62 - Gas Regulator Kit**, outlet pressure range 1-12" (maximum 5 psi)



P/N 124258 (Same as Option CZ1), Kit includes Maxitrol 1"x1" NPT regulator

P/N 124259 (Same as Option CZ2), Kit includes Maxitrol 1-1/2"x1-1/2" NPT regulator

# Modulating Gas Controls

CODE	Description	In Gas Control Option	Serial No. Suffix	Location	P/N
70	Temperature Sensor, Maxitrol Series 14, #TS114	AG30, AG31	MV-7	Discharge	90324
	Temperature Sensor, Maxitrol Series 14A, #TS114A	AG32	MV-8	Discharge	87106
	Temperature Sensor, Maxitrol Series 44, #TS44E, 120°F max	AG33	MV-9	Discharge	119617
	Temperature Sensor, Maxitrol Series 44, #TS44C, 140°F max				194160
	Temperature Sensor, Maxitrol Series 94, #TS194A	AG36	MV-B	Discharge	133228
	Temperature Sensor, Maxitrol Series 14E, #TS394-2B-4	AG47, AG48,	MV-D, MV-E,	Outside & Return Air	204452
	Temperature Sensor, Maxitrol Series 14E, #TS194Q	AG51	MV-F	Discharge	204453
71	Mixing Tube, Maxitrol MTI-12	All above		Same as above	90323
72	Amplifier, Maxitrol Series 14 & 14A, #A1014L	AG 30, 31, 32	MV-7, MV-8	Electrical Control Compartment (See page 3.)	148590
	Amplifier, Maxitrol Series 44, #A1044EL, 120°F maximum	AG33	MV-9		157915
	Amplifier, Maxitrol Series 44, #A1044CL, 140°F maximum				194159
	Amplifier, Maxitrol Series 94, A1494	AG36	MV-B		133229
	Amplifier, Maxitrol Series 14E, ADFM14	AG47	MV-D		204454
	Amplifier, Maxitrol Series 44E-21 & 44ER-21, ADFM44	AG48, AG51	MV-E, MV-F		204450
73	Signal Conditioner, Maxitrol	AG37	MV-C		134170
74	Temperature Selector, Maxitrol Series 14, #TD114	AG30, AG31	MV-7	Remote	86988 (U.S.A.) 101165 (Canada)
	Temperature Selector, Maxitrol Series 14A, #TD114A	AG32	MV-8	Remote	87107
	Temperature Selector, Maxitrol Series 14E, #TDDFM14	AG47	MV-D	Remote	204455
	Selectrstat (temperature selector), Maxitrol Series 44, #T-244	AG33	MV-9	Space	86990
	Temperature Selector, Maxitrol Series 44E, #TDDFM44	AG48, AG51	MV-E, MV-F	Remote	204451
	Temperature Selector, Maxitrol Series 94, #TD294E-609-0818	AG36	MV-B	Remote	133230, 120°F 159287, 160°F
75	Overriding Thermostat, Series 14, #T115	AG 30, 31, 32	MV-7, MV-8	Space	24857

## CODE 70 - Temperature Sensor



P/N 90324, Maxitrol #TS114;  
 P/N 87106, Maxitrol #TS114A (illustrated);  
 P/N 119617, Maxitrol #TS44E;  
 P/N 194160, Maxitrol #TS44C;  
 P/N 133228, Maxitrol #TS194A;



P/N 204452, Maxitrol #TS394-2B-4;  
 P/N 204453, Maxitrol #TS194Q (illustrated)

**IMPORTANT NOTE:** When replacing a temperature sensor on a Maxitrol MV-9 system (Option AG33), check the Model No. on the sensor.. P/N 119617 or 194160 is used on units manufactured beginning 2/92; P/N 87041 is used on units manufactured prior to 2/92. **Sensors are not interchangeable; the sensor MUST match the amplifier.**

## CODE 72 - Amplifier (Amplifiers are not interchangeable and must match the temperature sensor.)

P/N 148590, Maxitrol #A1014L (replaces P/N 86976)



P/N 204454, Maxitrol #ADFM14



P/N 194159, Maxitrol #A1044CL;  
 P/N 157915, Maxitrol #A1044EL (replaces P/N 119616);  
 P/N 86989, Maxitrol #A1044 (on systems mfgd prior to 2/91)



P/N 133229, Maxitrol A1494



P/N 204450, Maxitrol #ADFM44



## CODE 71 - Mixing Tube, P/N 90323



## CODE 73 - Maxitrol Signal Conditioner, P/N 134170 (for computer control)



## CODE 74 - Temperature Selectors (see chart for option application)



P/N 86988, TD114 U.S. Models, Range 55-90°F  
 P/N 101165, TD114, Canadian Models, Range 50-75°F;  
 P/N 87107, TD114A, Range 80-130°F;  
 P/N 123943, TD114B, Range 120-170°F

P/N 204455, TD DFM14;  
 P/N 204451, TD DFM44



P/N 86990, Selectrstat Maxitrol T-244



P/N 133230, Maxitrol #TD294E-609-0818, Dual Temperature Selector for Paint Booth Application, Option AG36





## CODE 75 - P/N 24857, Maxitrol #T115



Overriding Thermostat, Option AG33

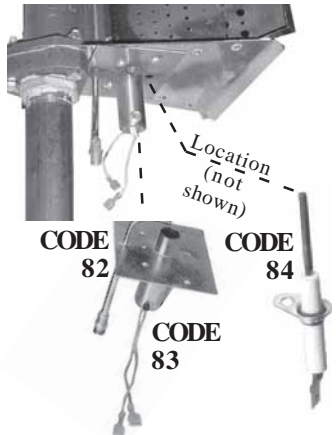
# Ignition System - Hot Surface Ignition

Ignition system changed from spark to hot surface beginning 3/96.

CODE	Description of Parts of Hot Surface Ignition System and Conversion Kits		P/N
80A	Hot Surface Ignition Module, RAM #H4MC24-01- <b>applies to RDF systems manufactured from 3/96 to 9/03 (prior to RDF Series 3) - Serial No. Ignition System Code 72</b>	Located in the electrical control compartment.	157953
80B	Hot Surface Ignition Module, Synetek FC-IH1040B, single flame rod <b>(Used on RDF Series 3 with burner sizes from 250-1500 MBH, Options BL1-BL6) - Serial No. Ignition System Code 82</b>		204376
80C	Hot Surface Ignition Module, Synetek FC-IH1040C, dual flame rod <b>(Used on RDF Series 3 with burner sizes from 1750-3000 MBH, Options BL7-BL13) - Serial No. Ignition System Code 81</b>		204166
81	Pilot Assembly for Hot Surface Ignition <b>prior to RDF Series 3 (9/03)</b>		120048
	 	including:	Pilot
		Flame Sensor, J/C #Y75MK-1D	134706
		Screw, #8-1/2" long	38529
		Pilot bushing	121730
		Hex head cap screw, #10-32x3/8" lg	90167
		Hot Surface Ignitor, Norton #401E	121865
<b>Pilot, Sensor, and Ignitor for Model RDF Series 3</b>			
82A	Pilot for RDF Series 3, 250-1500 MBH		127910
82B	Pilot for RDF Series 3, 1750-3000 MBH		122840
83	Hot Surface Ignitor, Norton #401E		121865
84	Flame Sensor, J/C #Y75MK-1D <b>(Note: CODE 84 is for replacement of the flame sensor at the ignitor end of the burner only. 1750-3000 MBH burners have a second flame sensor. For replacement, see CODE 99.)</b>		134706
85	Ignition Conversion Kit from Spark Pilot with either a rectification type (CODE 94) or ultraviolet flame (CODE 95) sensor to hot surface ignition.	for unit with a 200VA transformer	146268
		for 115V unit with an 80VA transformer	146318
		for 208V unit with an 80VA transformer	146319
		for 240V, 480V, or 575V unit with an 80VA transformer	146320

<p><b>CODE 80A, P/N 157953, Hot Surface Ignition Module, RAMH4MC24-01</b></p> 	<p><b>CODE 80B, P/N 204376, Hot Surface Ignition Module, Synetek FC-IH1040B, for burner with a single flame rod</b></p> 	<p><b>CODE 80C, P/N 204166, Hot Surface Ignition Module, synetek FC IH1040C, for burner with a double flame rod</b></p> 
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**Pilot, Hot Surface Ignitor, and Flame Sensor on RDF Series 3 Burner**



# Ignition System - Spark Ignition System (discontinued 3/96)

CODE	Description of Components of Spark Ignition System (Discontinued on units beginning 3/96. See conversion kits in CODE 85, page 13.)	P/N
86	Flame Sensor Safety Relay, Rectification, Honeywell #RA890F1270	With Code 93 <b>86972</b>
87	Flame Sensor Safety Relay, Rectification, Honeywell #R7795B-1009 (less CODE 80)	<b>89407</b>
88	Flame Sensor Safety Relay, Ultraviolet, Honeywell	With Code 94 <b>89409</b>
89	Flame Sensor Safety Relay, Ultraviolet, Honeywell #R7795A-1009 (less CODE 90)	<b>89436</b>
90	Prepurge Timer Board (prepurge relay), M/H ST795A-1031 (used in CODES 87 and 89)	<b>89408</b>
91	Subbase only used with CODES 87 (P/N 89407) & 89 (P/N 89436), Honeywell #Q795A-1004	<b>89410</b>
92	Subbase only used with CODES 86 (P/N 86972) & 88 (P/N 89409), Honeywell #Q270A-1024	<b>86973</b>
93	Flame Probe, Auburn #AA67-7892-1 (std on units mfgd before 9/88; used w/CODE 84 or 85)	<b>87937</b>
94	Ultraviolet Minipeeper Detector, Honeywell #C7027A (std on units from 9/88 -2/96; optional on prior units; used with CODE 88 or 89)	<b>89411</b>
95	Flame Rod Wire Assembly	RDF 1-20, 40, 50, 65 <b>87904</b>
		RDF 2-80, 120 <b>89614</b>
		RDF 3-180, 260 <b>113952</b>
95A	Housing only for Flame Rod Wire Assy, AMP #1-48016-0	<b>19127</b>
96	Ignitor Wire Assembly	RDF 1-20, 40, 50, 65 <b>87906</b>
		RDF 2-80, 120 <b>89627</b>
		RDF 3-180, 260 <b>91362</b>
97A	Spark Plug, Auburn #27750 I-31, Maxon #18075	<b>87936</b>
97B	Spark Plug, #23539 Sapco 14mm (used prior to CODE 97A)	<b>179342</b>

## Flame Sensor Safety Relays and Subbases for Spark Ignition System



Codes 86 and 88



Codes 87 and 89



CODE 90, P/N 89408



CODE 91, P/N 89410



CODE 92, P/N 86973

CODE 93, P/N 87937, Flame Probe (std on units with date codes from AJH to ANH)



CODE 94, P/N 89411, Ultraviolet Detector (std on units with date codes from ANI to AVB; optional on prior units)



CODE 95, Flame Rod Wire Assy for Spark Ignition System



Housing only, P/N 19127

CODE 96, Ignitor Wire Assy for Spark Ignition System



Spark Plug for Spark Ignition System

CODE 97A, P/N 87936 (illustrated)



CODE 97B, P/N 179342, #23539 Sapco 14mm (used prior to CODE 97A)

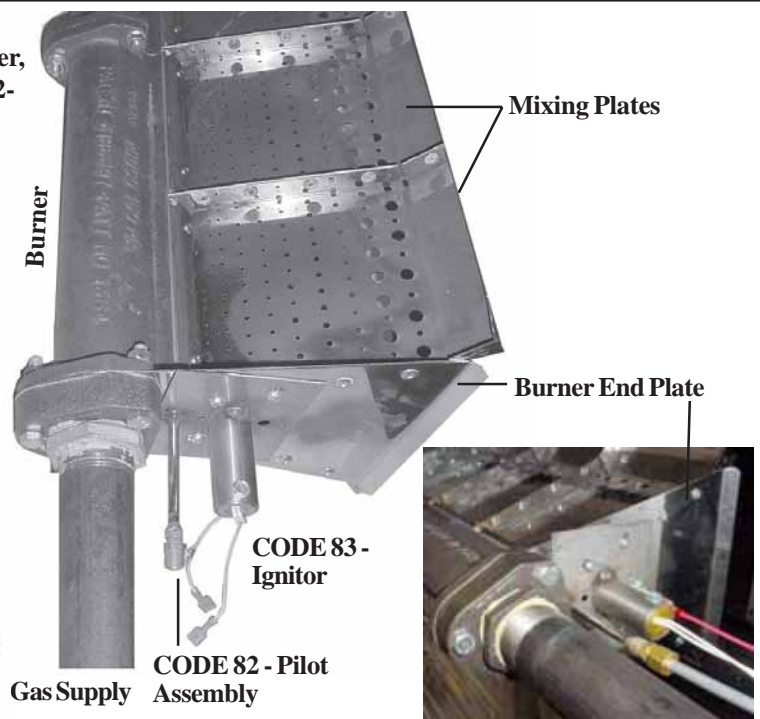
# Burners for RDF Series 3 (manufactured beginning 9/03)

RDF Series 3 systems use Midco HMA-700 Series Burners. The Burner P/N listed below includes the burner, the mixing plates, and the end plate. 1750-3000 MBH (42-60") burners also include CODES 99 & 100.

CODE 98 - Model RDF Series 3 BURNER		
Length	MBH	P/N
6" Burner	250	203312
12" Burner	500	203313
18" Burner	750	203314
24" Burner	1,000	203315
30" Burner	1,250	203316
36" Burner	1,500	203317
42" Burner	1,750 or 2,000	203318
48" Burner	2,250	203319
54" Burner	2,500	203320
60" Burner	2,750 or 3,000	203321

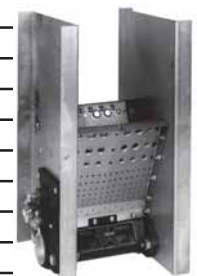
CODE 99 - Second Sensor (at the end of the burner opposite the ignitor) on 42-60" Burners, P/N 210766

CODE 100 - Holder for CODE 99, P/N 210767



# Burners for RDF Systems manufactured prior to Series 3 (9/03)

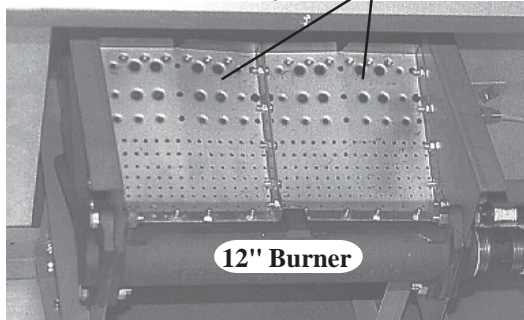
CODE	Replacement Burners (burners include cast iron burner and stainless steel mixing plates)			Replacement burner assembly only with inlet end for units with a spark ignition system (does not include end plates, order CODE 102B)
	Size	BTU	Burner <i>only</i> by size for all burner assemblies	
<b>101</b>	6" Burner	250,000	123405	145757
	12" Burner	500,000	123665	145758
	18" Burner	750,000	123684	145759
	24" Burner	1,000,000	123696	145760
	30" Burner	1,250,000	123700	145761
	36" Burner	1,500,000	145140	145762
	42" Burner	1,750,000	145159	145763
	48" Burner	2,000,000	145162	145764
	54" Burner	2,250,000	145169	145765
	60" Burner	2,500,000	145172	145766
	66" Burner	2,750,000	145175	145767
72" Burner	3,000,000	145178	145768	



Inlet end enclosure for spark ignition is different from currently manufactured burner assemblies.

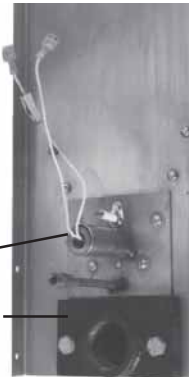
<b>101A</b>	Replacement burner mixing plate only, 6" section, for all of the burners listed above. Refer to Operation/ Maintenance/Service, Form O-ADF/DV/RDF, Burner Cleaning, for instructions on burner service.	<b>P/N 116104</b> , Maxon P/N 20580 Total quantity of plates per burner size, 6"-2; 12"-4"; 18"-6; 24"-8; 30"-10; 36"-12; 42"-14; 48"-16; 54"-18; 60"-20; 66"-22; 72"-24
<b>102A</b>	Burner End Plate only for HOT Surface Ignition	(2) <b>P/N 95473</b> - For all sizes of heaters and burners
<b>102B</b>	Burner End Plate only for Spark Ignition	(2) <b>P/N 102957</b> - For all sizes of heaters and burners
<b>103</b>	Adjustable "mirror" to view burner and pilot flame through viewport on control side of cabinet (on units manufactured beginning 3/92) - complete assembly	<b>P/N 119480</b> - Sizes 1-20 - 1-65; P/N 119481 - Sizes 2-80 - 3-260
	Components: Reflecting mirror only	<b>P/N 116212</b> - All Sizes
	Bracket assy including swivel ball joint	<b>P/N 119483</b> - All Sizes
	Swivel ball joint only	<b>P/N 119115</b> - All Sizes
	Mirror support only (attaches to cabinet)	<b>P/N 119360</b> - Sizes 1-20-1-65; P/N 116210 - Sizes 2-80 - 3-260

## Installed Burner Assembly



## CODE 102A - Burner End Plate showing the hot surface ignition system

Hot surface ignition is standard with units manufactured beginning 3/96; for ignition conversion kit see CODE 85, page 13.

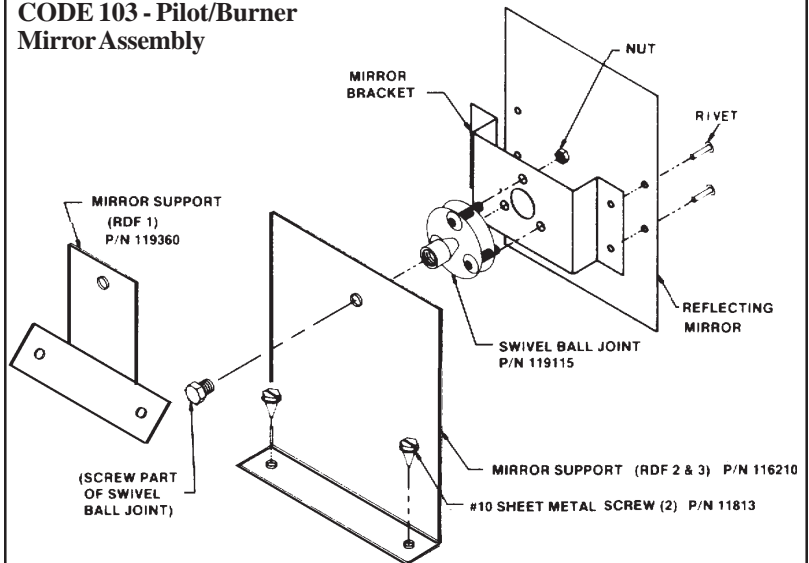


**Pilot and Ignitor Assembly,**  
See CODE 81, page 13  
**Burner Inlet Flange,**  
P/N 123449, (must be sealed with key graphite paste, P/N 146269)

## CODE 102B - Burner End Plate for burner with spark ignition, P/N 102957



## CODE 103 - Pilot/Burner Mirror Assembly



### Instructions to install pilot/burner mirror assembly on RDF units manufactured prior to 3/92.

**All Sizes** (requires two #10 x 1/2" sheet metal screws) - (1) Turn off gas and power. (2) Remove the burner door panel on the side of the unit opposite the controls. (3) Remove the burner control door panel.

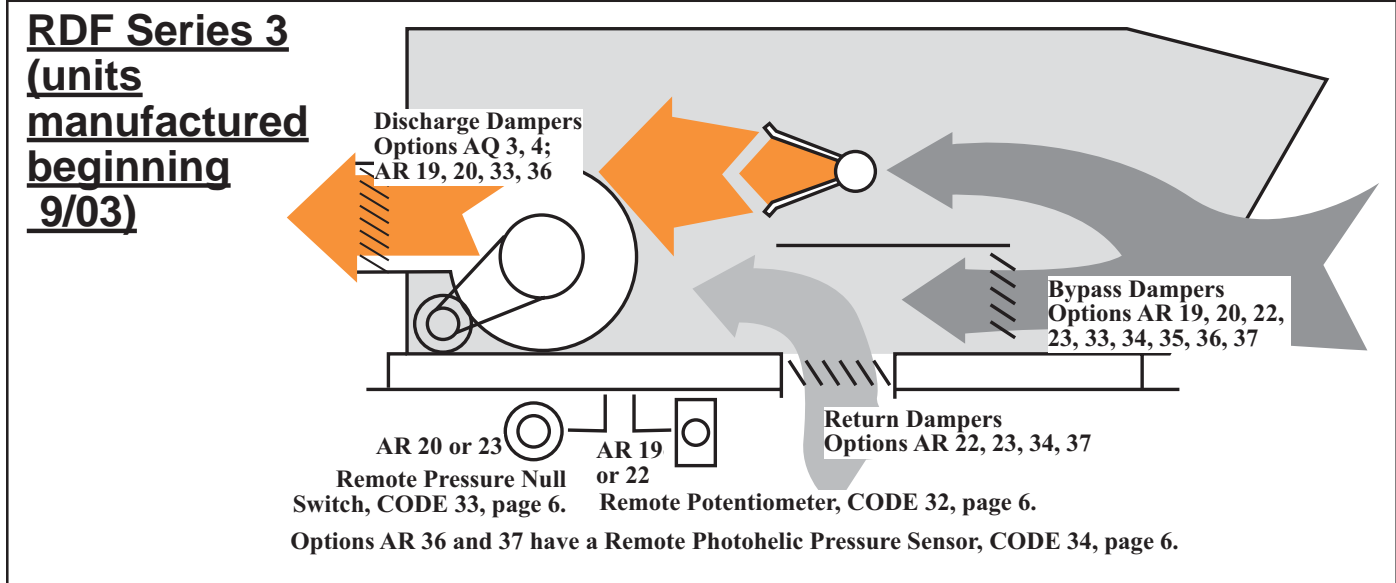
**RDF 1** - (1) On the side of the unit opposite the controls, position the mirror on the center post inner liner (refer to drawing on page 5, inner liner of CODE 12) so that the bottom of the mirror is slightly higher than the top of the burner. (2) Mark and drill two 1/8" holes.

**RDF 2 and 3** - On the side of the unit opposite the controls, locate the two small holes on the horizontal surface of the air deflector (aka return air damper support).

**All Sizes** - (1) Attach the mirror assembly with field-supplied sheet metal screws. (2) On the back of the mirror support bracket, tighten the ball joint (swivel) bolt head. (3) Adjust the mirror so that the burner and the pilot are visible when looking through the viewport in the burner control panel. (4) Close the door panels.



# Dampers and Controls



## Dampers in RDF Series 3 (units manufactured beginning 9/03)



Code	Description	In Option	RDF-1	RDF-2	RDF-3
110	Bypass Damper	AR 19, 20, 22, 23, 33, 34, 36, 37	203602 - 26" x 12"	203604 - 53-1/2" x 17-3/4"	203603 - 65-3/4" x 20"
111	Return Air Damper	AR 22, 23, 34, 37	203602 - 26" x 12"	203604 - 53-1/2" x 17-3/4"	203603 - 65-3/4" x 20"
112	Discharge Damper	AQ 3, 4; AR19, 20, 33, 36	15869 - 21-1/8" x 18-1/2"	89355 - 27-1/4" x 27-1/4"	91073 - 37" x 37"


## Damper Motors and Linkages in RDF Series 3 (units manufactured beginning 9/03)

CODE	Description/Damper Arrangement	In Option	RDF-1	RDF-2	RDF-3
115	2-Position, 100% Makeup Air	AQ3, AQ4	159892	J/C M9216-BGC-2	
116	Variable Air Volume with Manual Potentiometer (CODE 32, page 6)	AR19	204269	J/C M9216-JGA-2	
117	Variable Air Volume with Automatic Pressure Switch (CODE 33, page 6)	AR20	204270	J/C M9109-AGA-2	
118	Variable Air Volume with Computer Control through Signal Conditioner (CODE 73, page 13)	AR33	204271	J/C M9216-GGC-2	
119	Variable Air Volume with Photohelic Pressure Sensor (CODE 34, page 6)	AR36	204270	J/C M9109-AGA-2	
120	Variable Air Volume	AR 19, 20, 22, 23, 33, 34, 36, 37	204268	J/C M9108-AGD-2	
121	Return Air with Manual Potentiometer (CODE 32, page 6)	AR22	204269	J/C M9216-JGA-2	
122	Return Air with Automatic Pressure Switch (CODE 33, page 6)	AR23	204270	J/C M9109-AGA-2	
123	Variable Air Volume with Computer Control through Signal Conditioner (CODE 73, page 13)	AR34	204271	J/C M9216-GGC-2	
124	Variable Air Volume with Photohelic Pressure Sensor (CODE 34, page 6)	AR37	204270	J/C M9109-AGA-2	
125	Damper Crank Arm, M/H #26026K	(1) AR 22, 23, 34 (1) AQ 3, 4	12635	--	
126	Ball Joint, M/H 27518	(2) AR19, 20, 22, 23, 34, 37 (2) AQ 3, 4	12636	--	
127	Damper Crank Arm Kit, J/C #9000-153	(1) AR 22, 23; (1) AQ 3	194200	--	
128	Damper Crank Arm, W/R 135-0007	(1) AR 34, 37 (1) AQ 3, 4	66278	--	66278
129	Damper Crank Arm, W/R 135-0002	(1) AQ 4	--	--	66277

# Dampers and Controls (cont'd)

## RDF Series 3 (units manufactured beginning 9/03) (cont'd)

<p><b>CODE 115 - 2-Position Damper Motor, J/C M9216-BGC-2, P/N 159892</b></p> 	<p><b>Modulating Damper Motors (See Chart on page 16 for application.)</b></p> 			
	<p><b>CODES 116, 121 - Discharge or Return Air Damper Motor, J/C M9216-JGA-2, P/N 204269</b></p>	<p><b>CODES 117, 119, 122, 144, Discharge or Return Air Damper Motor, J/C M9109-AGA-2, P/N 204270</b></p>	<p><b>CODE 120 - Bypass Damper Motor, J/C M9108-AGD-2, P/N 204268</b></p>	<p><b>CODES 118, 123 - Discharge or Return Air Damper Motor, J/C M9216-GGC-2, P/N 204271</b></p>

<p><b>CODE 125, Damper Crank Arm, P/N 12635, M/H #26026K</b></p> 	<p><b>CODE 126, Ball Joint, P/N 12636, M/H #27518</b></p> 	<p><b>CODE 127, Damper Crank Arm Kit, P/N 194200, J/C #9000-153</b></p> 	<p><b>CODE 128, Damper Crank Arm Kit, P/N 66278, W/R 135-0007</b></p> 	<p><b>CODE 129, Damper Crank Arm Kit, P/N 66277, W/R 135-0002</b></p> 
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### CODE 130 - Damper Rods in RDF Series 3 (units manufactured beginning 9/03)

Damper Arrangement	Options	RDF-1	RDF-2	RDF-3
Discharge, 2-Position, 100% Makeup Air (Vertical)	AQ3	112555 - 1/4" x 16"	89640 - 1/4" x 7-1/2"	89640 - 1/4" x 7-1/2"
Discharge 2-Position, 100% Makeup Air (Horizontal)	AQ4	112555 - 1/4" x 16"	89970 - 1/4" x 38"	91428 - 1/4" x 24"
Return Air Damper	AR34, 37	5120, 1/4" X 7-7/8"	--	--

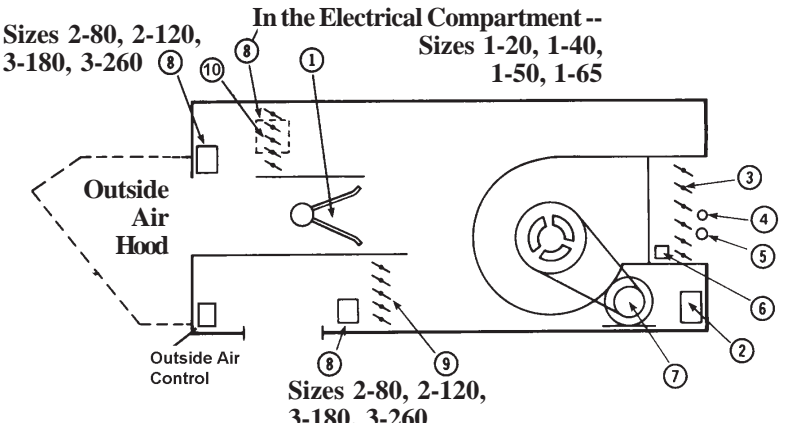
# Dampers and Controls

## RDF Systems prior to Series 3 (manufactured before 9/03)

**Control and Damper Locations**

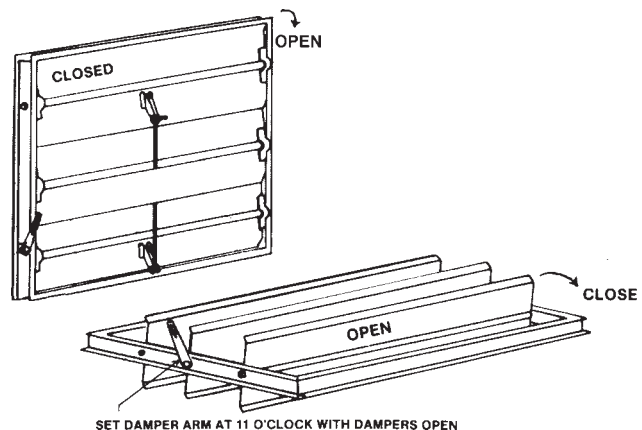
**KEY:**

- 1 - Burner
- 2 - Discharge Damper Motor (Options AR19 & 20)
- 3 - Discharge Damper (Options AR19 & 20)
- 4 - Manual Reset Limit
- 5 - Automatic Limit
- 6 - Discharge Air Sensor
- 7 - Blower Motor
- 8 - Damper Motor (Optional)
- 9 - Return Air Damper (Options AR22 & 23)
- 10 - Bypass Damper (Options AR19, 20, 22 & 23)



### Dampers in RDF Systems prior to Series 3 (9/03)

Code	Description	In Option	RDF-1	RDF-2	RDF-3
140	Bypass Damper	AR 19, 20, 22, 23	87117 - 32" x10"	89354 - 22" x54"	91074 - 30" x68"
	Return Air Damper	AR 22, 23	87117 - 32" x10"	89354 - 22" x54"	91074 - 30" x68"
141	Discharge Damper	AQ 3, 4; AR19, 20	86999 - 22" x18"	89355 - 28" x28"	91073 - 37" x37"
142	Bypass Damper Adjustment Arm	AR 22, 23	111309	111309	111309





# Dampers and Controls (cont'd)







## RDF Systems prior to Series 3 (manufactured before 9/03) (cont'd)

### Damper Motor and Accessories by Damper Arrangement and Option

CODE	Description/Damper Arrangement	In Option	RDF-1	RDF-2	RDF-3
143	Motor Discharge, 2-Position, 100% Makeup Air	AQ3, AQ4	<b>87000</b> M/H M8415A1004	97385 W/R 3402-9	
144	Motor Discharge, Variable Air Volume with Manual Potentiometer (CODE 33, page 6)	AR19	<b>115681*</b> M/H M9175A1015 (replaces 53928)		
145	Motor Discharge, Variable Air Volume with Automatic Pressure Switch (CODE 34, page 6)	AR20	<b>87116</b> M/H M6414A1009	<b>115683*</b> M/H M6194B1011 (replaces 87059)	
146	Motor Bypass, Variable Air Volume	AR19, AR20, AR22, AR23	<b>87116</b> M/H M6414A1009	<b>115683*</b> M/H M6194B1011 (replaces 87059)	
147	Motor Return Air with Manual Potentiometer (CODE 33, page 6)	AR22	<b>115681*</b> M/H M9175A1015 (replaces 53928)		
148	Motor Return Air with Automatic Pressure Switch (CODE 34, page 6)	AR23	<b>87116</b> M/H M6414A1009	<b>115683*</b> M/H M6194B1011 (replaces 87059)	
149	Auxiliary End Switch only for M/H damper motors, M/H Q607B1067		<b>113963</b>	<b>113963</b>	
150	Damper Crank Arm, M/H #26026K -used in all damper arrangements	(2) AR19,20,22,23; (1) AQ3,4	<b>12635</b>	<b>12635</b>	
151	Ball Joint, M/H 27518 -used in all damper arrangements	(4) AR19,20,22,23; (2) AQ3,4	<b>12636</b>	<b>12636</b>	
152	Damper Motor Crank Arm, M/H 221455A	(2) AR19,20,22,23	<b>116209*</b>	<b>116209*</b>	
	Damper Motor Crank Arm & Clip, M/H 7616BR(used w/obsolete mtrs)		<b>20874</b>	<b>20874</b>	

\*When installing motors P/N 115681 or 115683 to replace P/N 53928 or 87059, it is necessary to change the motor crank arm. Order P/N **116209**.

<p><b>CODE 143 - Damper Motor for 2-Position Discharge Damper, 100% Makeup Air (Options AQ3 and AQ4)</b></p>  <p>P/N <b>87000</b>, M/H #M8415A1004, used on RDF 1</p> <p>P/N <b>97385</b>, W/R #3402-9, used on RDF 2 &amp; 3</p>	<p><b>Codes 145, 146 and 148 - Modulating Damper Motor used for the discharge damper in Option AR20; for the bypass damper in Options AR19, 20, 22, and 23; and for the return air damper in Option AR23</b></p>  <p>P/N <b>87116</b>, M/H #M6414A1009, used on RDF 1</p> <p>P/N <b>115683</b>, M/H #M6194B1011 used on RDF 2 &amp; 3</p>
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<p><b>Codes 144 and 147 - Modulating Damper Motor, P/N 115681, M/H M9175A1015, used in Options AR19 and AR22 on RDF 1, 2 &amp; 3</b></p> 	<p><b>CODE 150 - Damper Crank Arm, P/N 12635, M/H #26026K</b></p> 	<p><b>CODE 151 - Ball Joint, P/N 12636, M/H #27518</b></p> 
<p><b>CODE 149 - Auxiliary End Switch, P/N 113963, M/H Q607B1067</b></p> 	<p><b>CODE 152 - Damper Motor Crank Arms</b></p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;">  <p>P/N <b>116209</b>, M/H 221455A, used in Options AR19, 20, 22, and 23 (required when replacing obsolete motors; see note on page 16.)</p> </div> <div style="width: 45%;">  <p>P/N <b>20874</b>, M/H 7616BR, motor crank arm used with obsolete motor P/N's 53928 and 87059</p> </div> </div>	

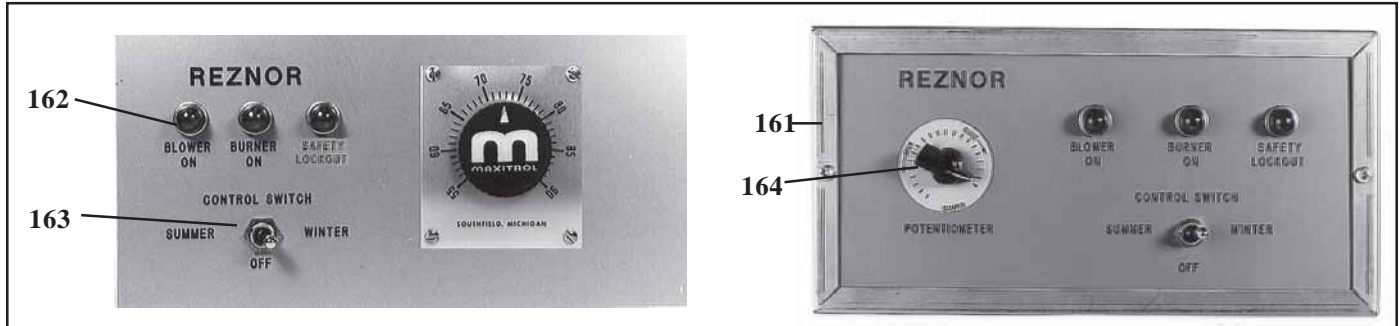
### CODE 153 - Damper Rods (Damper rods may require being cut to desired length.)

Damper Arrangement	Options	RDF-1	RDF-2	RDF-3
Discharge 2-Position, 100% Makeup Air (Horizontal)	AQ4	<b>11560</b> - 1/4" x 16"	<b>89970</b> - 1/4" x 38"	<b>91428</b> - 1/4" x 24"
Discharge, 2-Position, 100% Makeup Air (Vertical)	AQ3	<b>11560</b> - 1/4" x 16"	<b>89640</b> - 1/4" x 7-1/2"	<b>89640</b> - 1/4" x 7-1/2"
Discharge, Variable Air Volume with Potentiometer	AR19	<b>11560</b> - 1/4" x 16"	<b>14226</b> - 1/4" x 11"	<b>91428</b> - 1/4" x 24"
Discharge, Variable Air Volume with Pressure Sensor	AR20	<b>11560</b> - 1/4" x 16"	<b>14226</b> - 1/4" x 11"	<b>91428</b> - 1/4" x 24"
Bypass, Variable Air Volume and Return Air	AR19,20,22,23	<b>5120</b> - 1/4" x 7-7/8"	<b>90056</b> - 1/4" x 5"	<b>89640</b> - 1/4" x 7-1/2"
Return Air with Potentiometer	AR22	<b>11560</b> - 1/4" x 16"	<b>14226</b> - 1/4" x 11"	<b>91422</b> - 1/4" x 18-1/2"
Return Air with Pressure Sensor	AR23	<b>11560</b> - 1/4" x 16"	<b>14226</b> - 1/4" x 11"	<b>91422</b> - 1/4" x 18-1/2"

# Remote Console

Note: Console height changed 10/01. Console parts listed are currently manufactured size.

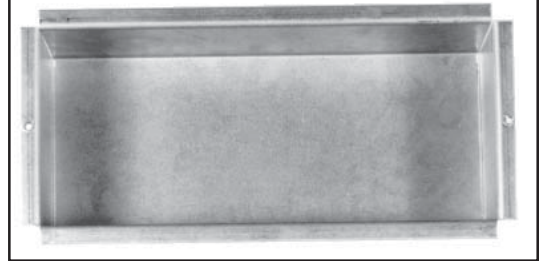
NOTE: A remote console was standard with RDF Models manufactured prior to 9/03. Beginning with RDF Series 3 (units manufactured beginning 9/03), the remote console is an option.



## Replacement Components

CODE	Description	P/N
160	Remote Console Box 10-9/16" x 7-1/4" x 2-5/8"	107010
	Remote Console Box 15-9/16" x 7-1/4" x 2-5/8"	107011
161	Mounting Ring for 10-1/16" long box	107014
	Mounting Ring for 15-1/16" long box	107015
162	Light with red lens, Solico #5TD1L-R-B5	101889
	Bushing for installing light above on old-style console	106747
31, page 6	DPDT Switch, Cutler Hammer #7561K6	101900
32, page 6	Potentiometer, Honeywell 112894FA	16110
74, page 13	Temperature Selector, Option AG30, AG31	86988 or 101165
	Temperature Selector, Option AG32	87101
	Temperature Selector, Option AG33	86990
	Temperature Selector, Option AG47	204455
	Temperature Selector, Option AG48, AG51	204451

## CODE 160 - Console Box



**Technical Data of the Remote Console (Variations depend on options selected; consult custom wiring diagram for controls and to determine wiring required.)**

Control Switch	Qty of Lights*	Temperature Selector or Sensor**	Potentiometer***	Dimensions (inches)		
				L****	H****	D
Yes	3	Yes	No	10-13/16	7-3/8	2-5/8
Yes	3	No	No	10-13/16	7-3/8	2-5/8
Yes	3	Yes	Yes	15-13/16	7-3/8	2-5/8
Yes	3	No	Yes	10-13/16	7-3/8	2-5/8
Yes	4	Yes	No	15-13/16	7-3/8	2-5/8
Yes	4	No	Yes	15-13/16	7-3/8	2-5/8
Yes	4	Yes	Yes	15-13/16	7-3/8	2-5/8
Yes	4	No	No	15-13/16	7-3/8	2-5/8

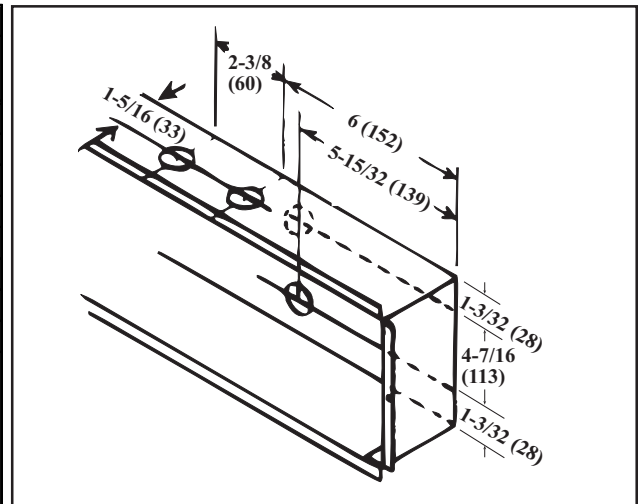
\* 3 - Blower On, Burner On, and Safety Lockout;

4th light is Dirty Filter Indicator

\*\* On the console with Gas Control Options AG 30, 31, 32, 33, 47, 48, 51

\*\*\* On the console with Air Control Options AR19 or AR22

\*\*\*\* Subtract 7/8" when recessing



# Disconnect Switch



CODE 170 - OUTDOOR Disconnect Switches	USA Only		Canada Only	
	Opt	P/N	Opt	P/N
30 Amp, 240 Volt, Non-Fusible	CP5	<b>40269</b>	--	
30 Amp, 240 Volt, Fusible	CP6	<b>87147</b>	--	
30 Amp, 600 Volt, Non-Fusible	CP7	<b>20367</b>	CP59	<b>208054</b>
30 Amp, 600 Volt, Fusible	CP8	<b>20368</b>	CP42	<b>208046</b>
60 Amp, 240-Volt, Non-Fusible	CP30	<b>161469</b>	--	
60 Amp, 240-Volt, Fusible	CP17	<b>89932</b>	--	
60 Amp, 600 Volt, Non-Fusible	CP38	<b>90973</b>	CP61	<b>208056</b>
60 Amp, 600-Volt, Fusible	CP20	<b>90974</b>	CP44	<b>208048</b>
100 Amp, 240-Volt, Non-Fusible	CP31	<b>162834</b>	--	
100 Amp, 240-Volt, Fusible	CP18	<b>90973</b>	--	
100 Amp, 600 Volt, Non-Fusible	CP39	<b>155013</b>	CP63	<b>208058</b>
100 Amp, 600-Volt, Fusible	CP36	<b>155010</b>	CP46	<b>208050</b>
200 Amp, 240-Volt, Non-Fusible	CP32	<b>155007</b>	--	
200 Amp, 240-Volt, Fusible	CP19	<b>91076</b>	--	
200 Amp, 600 Volt, Non-Fusible	CP40	<b>155014</b>	CP65	<b>208060</b>
200 Amp, 600-Volt, Fusible	CP37	<b>155011</b>	CP48	<b>208052</b>

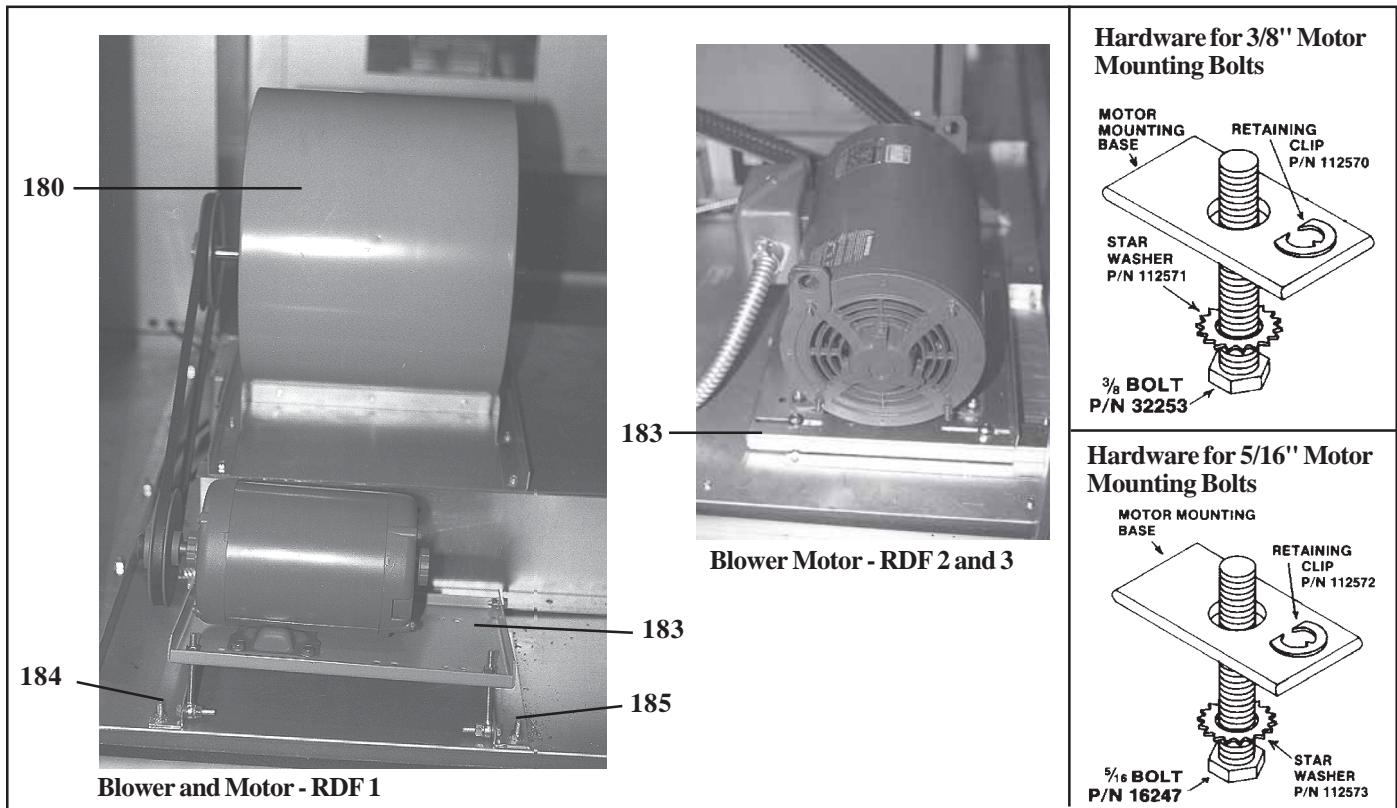
CODE 171 - INDOOR Disconnect Switches	USA Only		Canada Only	
	Opt	P/N	Opt	P/N
30 Amp, 240 Volt, Non-Fusible	CP1	<b>40267</b>	--	
30 Amp, 240 Volt, Fusible	CP2	<b>40268</b>	--	
30 Amp, 600 Volt, Non-Fusible	CP3	<b>50365</b>	CP58	<b>208053</b>
30 Amp, 600 Volt, Fusible	CP4	<b>50366</b>	CP41	<b>208045</b>
60 Amp, 240-Volt, Non-Fusible	CP21	<b>161462</b>	--	
60 Amp, 240-Volt, Fusible	CP17	<b>89932*</b>	--	
60 Amp, 600 Volt, Non-Fusible	CP23	<b>161464</b>	CP60	<b>208055</b>
60 Amp, 600-Volt, Fusible	CP20	<b>90974*</b>	CP43	<b>208047</b>
100 Amp, 240-Volt, Non-Fusible	CP22	<b>161463</b>	--	
100 Amp, 240-Volt, Fusible	CP18	<b>90973*</b>	--	
100 Amp, 600 Volt, Non-Fusible	CP24	<b>164330</b>	CP62	<b>208057</b>
100 Amp, 600-Volt, Fusible	CP36	<b>155010*</b>	CP45	<b>208049</b>
200 Amp, 240-Volt, Non-Fusible	CP26	<b>155005</b>	--	
200 Amp, 240-Volt, Fusible	CP19	<b>91076*</b>	--	
200 Amp, 600 Volt, Non-Fusible	CP35	<b>155009</b>	CP64	<b>208059</b>
200 Amp, 600-Volt, Fusible	CP37	<b>155011*</b>	CP47	<b>208051</b>

General Guide to Outdoor/Raintight Switches by Option Code (unit motor/voltage availability varies by model/size)						
Voltage/ Phase	Motor HP	Amps	USA Outdoor		Canada Outdoor	
			Fusible	Non-Fuse	Fusible	Non-Fuse
115/1	1/4 to 1-1/2	30	CP6	CP5	CP42	CP59
	2 to 3	60	CP17	CP30	CP44	CP61
208/1 and 230/1	1/4 to 3	30	CP6	CP5	CP42	CP59
	5 to 10	60	CP17	CP30	CP44	CP61
208/3 and 230/3	1/4 to 5	30	CP6	CP5	CP42	CP59
	7-1/2 to 15	60	CP17	CP30	CP44	CP61
	20 to 25	100	CP18	CP31	CP46	CP63
460/3 and 575/3	30	200	CP19	CP32	CP48	CP65
	1/4 to 15	30	CP8	CP7	CP42	CP59
	20 to 30	60	CP20	CP38	CP44	CP61

General Guide to Indoor Disconnect Switches by Option Code (unit motor/voltage availability varies by model/size)						
Voltage/ Phase	Motor HP	Amps	USA Indoor		Canada Indoor	
			Fusible	Non-Fuse	Fusible	Non-Fuse
115/1	1/4 to 1-1/2	30	CP2	CP1	CP41	CP58
	2 to 3	60	CP27	CP21	CP43	CP60
208/1 and 230/1	1/4 to 3	30	CP2	CP1	CP41	CP58
	5 to 10	60	CP27	CP21	CP43	CP60
208/3 and 230/3	1/4 to 5	30	CP2	CP1	CP41	CP58
	7-1/2 to 15	60	CP27	CP21	CP43	CP60
	20 to 25	100	CP28	CP22	CP45	CP62
460/3 and 575/3	30	200	CP29	CP26	CP47	CP64
	1/4 to 15	30	CP4	CP3	CP41	CP58
	20 to 30	60	CP33	CP23	CP43	CP60

\* Actually an outdoor switch.

# Blowers



CODE	Description	1-20	1-40	1-50	1-65	2-80	2-120	3-180	3-260	
<b>180</b>	Blower with shaft and bearings	<b>1357</b>	<b>1360</b>	<b>86983</b>	<b>86984</b>	<b>92343*</b>	<b>89345</b>	<b>91067</b>	<b>91069</b>	
	Size	10"	12"	15"	18"	18"	20"	22"	30"	
	Mfg #	A10-10AC	A12-12AC	A15-15A	A18-18A	022920-03	027550-02 A20-20K	020350-01 A22-22K	029353-02 A30-22K	
	Class Shaft				Class 1 1"	Class 1 1-7/16"	Class 1 1-7/16"	Class 1 1-7/16"	Class 1 1-11/16"	
	Size	—	—	—	—	<b>89658</b> 18"	—	<b>91068</b> 22"	<b>91070</b> 30"	
	Mfg #					0217142-15 A18-18A		029353-01 A22-22K	029353-03 A30-22K	
	Class Shaft					Class 2 1-7/16"		Class 2 2-3/16"	Class 2 2-11/16"	
<b>180A</b>	Blower Shaft	Class 1 Blowers	<b>11302</b> 3/4x22	<b>11303</b> 1x22	<b>100747</b> 1x23	<b>100748</b> 1x28.8	<b>100748</b> 2x28.8	<b>100751</b> 1.44x 37.25	<b>100754</b> 1.69x 46.25	
		Class 2 Blowers	—	—	—	—	<b>100749</b> 1.44x 38.5"	—	<b>100752</b> 2.19x 45.75"	<b>101705</b> 2.69x 46.25"
<b>180B</b>	Blower Bearings	Class 1 Blowers	<b>7310</b>	<b>10437</b>	<b>10437</b>	<b>10437</b>	<b>10437</b>	<b>106942</b> 1.44"	<b>106942</b> 1.44"	<b>100755</b> 1.69"
		Class 2 Blowers	—	—	—	—	<b>106942</b> 1.44"	—	<b>100753</b> 2.19"	<b>101710</b> 2.69"
<b>181</b>	External Shaft Support Bearing Plate - for units with dampers (Options AQ3, AQ4 and/or AR19, AR20, AR22, AR23)	<b>111389</b>	<b>111389</b>	<b>111389</b>	<b>111389</b>	<b>111389</b>	<b>111389</b> <b>126588**</b>	<b>111389</b> <b>126588**</b>	<b>111389</b>	
<b>182</b>	Bearing BF-1127-502-A - for units with dampers, Options AQ3, AQ4, and/or AR19, AR20, AR22, AR23)	<b>111390</b>	<b>111390</b>	<b>111390</b>	<b>111390</b>	<b>111390</b>	<b>111390</b>	<b>111390</b>	<b>111390</b>	
<b>183</b>	Blower Motor Mounting Plate	<b>12578</b>	<b>12578</b>	<b>12578</b>	<b>12578</b>	<b>94371</b>	<b>94371</b>	<b>94371</b>	<b>94371</b>	
<b>184</b>	Mtr Mounting Plate Left Support	<b>87015</b>	<b>87015</b>	<b>87015</b>	<b>87015</b>	<b>94369</b>	<b>94369</b>	<b>94369</b>	<b>94369</b>	
<b>185</b>	Mtr Mounting Plate Right Support	<b>87016</b>	<b>87016</b>	<b>87016</b>	<b>87016</b>	<b>94369</b>	<b>94369</b>	<b>94369</b>	<b>94369</b>	
<b>186</b>	Blower Support (Horzntl Discharge)	<b>207840</b>	<b>207840</b>	<b>207840</b>	<b>207840</b>	<b>(2)207461</b>	<b>(2)207461</b>	<b>(3)207462</b>	<b>(3)207462</b>	

\*Effective 8/90, RDF 2-80 models are no longer manufactured with a Class 1 blower. P/N 92343 is no longer available. Replace with Class 2 blower, P/N **89658** and Q1-1-7/16" Bushing, P/N **16177**.

\*\* Order P/N **126588** when heater has Option AR23, outside and return dampers controlled by a remote pressure sensor.

# Drives

Replacement Drive Components are Listed in Tables on pages 23-31. Tables are by RDF Size, Type of Motor, Motor HP, and RPM (Option AM, see chart top of page 23),

CODE 200 - Motor Sheave

CODE 201 - Blower Sheave

CODE 202 - Belt

CODE 203 - Bushing

**NOTE: Read each drive table carefully. They are not all in the same format.**

**Belt Tension** - Check belt tension. Proper belt tension is important to the long life of the belt and motor. A loose belt will cause wear and slippage. Too much tension will cause excessive motor and blower bearing wear. If adjustment is required, adjust belt tension by means of the adjusting screw on the motor base until the belt can be depressed 1/2" to 3/4". Tighten the lock nut on the adjusting screw. Be sure the belt is aligned in the pulleys.

**Blower Speed Adjustment** - Units are set at the factory for the RPM required to meet the CFM and external static pressure specified on the order. If the estimated external static is incorrect, or changes are made to the duct system, the blower RPM may have to be changed. Motors are equipped with adjustable pitch pulleys which permit adjustment of blower speed.

To make adjustments on **all RDF-1 units and on RDF-2 and RDF-3 units with less than 7-1/2 HP motor** (units with a Browning motor sheave Model VP), follow these instructions:

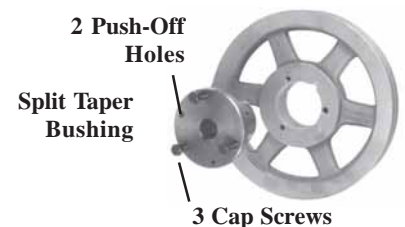
- 1) Loosen belt tension and remove belt.
- 2) Loosen the set screw on the side of the pulley away from the motor.
- 3) Turn adjustable half of the pulley inward to increase blower speed or outward to decrease speed. One turn of the pulley will change speed 8 to 10%.
- 4) After setting the pulley, tighten the set screw on the flat portion of the pulley shaft.
- 5) Replace belts and adjust belt tension.
- 6) Always check motor amps with an amp meter after RPM adjustment. The maximum motor amp rating on the nameplate must not be exceeded.

In **RDF-2 and RDF-3 models with 7-1/2 HP and larger motors** (units with adjustable Browning motor sheave Model MV), follow these instructions for adjusting RPM:

- 1) Slack off all belt tension by moving the motor toward driven shaft until the belts are free of grooves. For easiest adjustment, remove the belts from the grooves.
- 2) On the outer locking ring, locate the two locking screws that are directly across from each other. Loosen, but do not remove, those two screws. Do not loosen any other screws.
- 3) Adjust sheave to desired pitch diameter by turning the outer locking ring. One complete turn of the outer locking ring will result in .233" change in pitch diameter. To increase blower speed, decrease diameter. **CAUTION: Do not adjust sheaves in either direction to the point where moveable and stationary flanges are in contact.**
- 4) After completing adjustment, tighten both locking screws in the outer locking ring.
- 5) Replace belts and move motor away from the drive shaft to apply sufficient belt tension to prevent slippage. Be sure that the belts are aligned in the pulley grooves properly and are not angled from pulley to pulley.
- 6) Always check motor amps with an amp meter after RPM adjustment. The maximum motor amp rating on the nameplate must not be exceeded.

**Blower Pulley** - Size 2-80, 2-120, 119 and 120 systems equipped with 3 and 5 HP motors with a 15.4" diameter and larger blower pulley or a 7-1/2 HP and larger motor and all Size 3-180, 3-260, 122, and 130 systems are equipped with a split taper bushing in the blower pulley. The split taper bushings must be loosened in order to remove the pulley. Follow these instructions to loosen the bushing.

- 1) Notice that there are three cap screws in the bushing and two holes without screws, called push-off holes (see illustration).
- 2) Remove the three cap screws.
- 3) Put two of the cap screws into the two push-off holes. Tighten these two screws evenly until the pulley is loosened.
- 4) Pulley may now be removed from the shaft.



# Drive Components (cont'd)

Notes and Key to Option Codes on Drive Tables, pages 24 - 32

<b>Option ..... RPM</b>	<b>Option ..... RPM</b>	<b>Option ..... RPM</b>	<b>Option ..... RPM</b>
AMA3 ..... 301-350	AM6 ..... 651-700	AM13 ..... 1001-1050	AM20 ..... 1351-1400
AMA4 ..... 351-400	AM7 ..... 701-750	AM14 ..... 1051-1100	AM21 ..... 1401-1450
AM1 ..... 401-450	AM8 ..... 751-800	AM15 ..... 1101-1150	AM22 ..... 1451-1500
AM2 ..... 451-500	AM9 ..... 801-850	AM16 ..... 1151-1200	AM23 ..... 1501-1550
AM3 ..... 501-550	AM10 ..... 851-900	AM17 ..... 1201-1250	AM24 ..... 1551-1600
AM4 ..... 551-600	AM11 ..... 901-950	AM18 ..... 1251-1300	AM25 ..... 1601-1650
AM5 ..... 601-650	AM12 ..... 951-1000	AM19 ..... 1301-1350	AM26 ..... 1651-1700

NOTE : Where 575V (AK8) is listed, the two corresponding AL option lines above apply to all other voltages with that HP.

Model RDF 1-20													
Open Motor		Horz/Vert Discharge	Drive Option (See table above.)	CODE200 - Motor Sheave			CODE201- Blower Sheave			CODE202 - Belt		CODE 203 - Bushing	
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Mfr No.		
1/2	AL4	V	AM6-9	7962	1VL40	5/8	111607	AK74	3/4	50513	A52	-	
	AL4	H	AM6-9	7962			111607			50470	A43	-	
	AL4	V	AM10-15	7962			105480	AK54		50475	A49	-	
	AL4	H	AM10-15	7962			105480			105493	A39	-	
3/4	AL5	V	AM8-11	105476	1VL44	5/8	111682	AK71	3/4	50513	A52	-	
	AL5	H	AM8-11	105476			111682			50470	A43	-	
	AL5	V	AM12-16	7962	1VL40		105479	AK49		65403	A48	-	
	AL5	H	AM12-16	105476	1VL44		111684	AK59		50500	A41	-	
	AL5	V	AM17-21	13013	1VM50		105480	AK54		88558	A50	-	
	AL5	H	AM17-21	13013			105480			50500	A41	-	
1	AL6	V	AM10-15	7962	1VL40	5/8	105480	AK54	3/4	50475	A49	-	
	AL6	H	AM10-15	7962			105480			105493	A39	-	
	AL6-AK8	V	AM10-15	106748			105480			50475	A49	-	
	AL6-AK8	H	AM10-15	106748			105480			105493	A39	-	
	AL6	V	AM16-20	13013	1VM50	5/8	111684	AK59		65404	A51	-	
	AL6	H	AM16-20	13013			111684			105493	A39	-	
	AL6-AK8	V	AM16-20	37451			111684			105493	A39	-	
	AL6-AK8	H	AM16-20	37451			111684			65404	A51	-	
1-1/2	AL7	V	AM10-15	7962	1VL40	5/8	105480	AK54	3/4	50475	A49	-	
	AL7	H	AM10-15	7962			105480			105493	A39	-	
	AL7-AK8	V	AM10-15	106748			105480			50475	A49	-	
	AL7-AK8	H	AM10-15	106748			105480			105493	A39	-	
	AL7	V	AM16-20	13013	1VM50	5/8	111684	AK59		65404	A51	-	
	AL7	H	AM16-20	13013			111684			105493	A39	-	
	AL7-AK8	V	AM16-20	37451			111684			105493	A39	-	
	AL7-AK8	H	AM16-20	37451			111684			65404	A51	-	
	AL7	V	AM21-24	7962	1VL40	5/8	105478	AK41		50474	A47	-	
	AL7	H	AM21-24	16151	IVP56		110807	AK56H		101412	A42	105487	
	AL7-AK8	V	AM21-24	106748	1VL40	7/8	105478	AK41		50474	A47	-	
	AL7-AK8	H	AM21-24	106748			105478			101412	A42	-	
2	2 HP Drive Components for Model RDF 1-20 Series 3 only												
	AL8	V	AM15-20	37451	1VM50	7/8	111684	AK59	3/4	65404	A51	-	
	AL8	H	AM15-20	37451			111684			105493	A39	-	
	AL8	V	AM21-24	106748	1VL40		105478	AK41		50474	A47	-	
	AL8	H	AM21-24	106748			105478			101412	A42	-	
	2 HP Drive Components for Model RDF 1-20 prior to Series 3												
	AL8	V	AM15-20	13013	1VM50		5/8	111684	AK59	3/4	65404	A51	-
	AL8	H	AM15-20	13013				111684			105493	A39	-
	AL8	V	AM21-24	7962	1VL40			105478	AK41		50474	A47	-
	AL8	H	AM21-24	16151	IVP56			105478			101412	A42	-



# Drive Components (cont'd)

NOTE : Where 575V (AK8) is listed, the two corresponding AL option lines above apply to all other voltages with that HP.

Model RDF 1-40													
Open Motor		Horz/Vert Discharge	Drive Option (See page 23.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Mfr No.		
3/4	AL5	V	AM4-6	7962	1VL40	5/8	19111	AK84	1	50513	A53		
	AL5	H	AM4-6	7962			19111			50473	A46		
	AL5	V	AM7-11	7962			18797	AK64		50475	A49		
	AL5	H	AM7-11	7962			18797			101412	A42		
	AL5	V	AM12-17	105476	1VL44	7/8	105482	AK56		50475	A49		
	AL5	H	AM12-17	105476			105482			101412	A42		
1	AL6	V	AM7-11	7962	1VL40	5/8	18797	AK64	1	50475	A49		
	AL6	H	AM7-11	7962			18797			101412	A42		
	AL6-AK8	V	AM7-11	106748			7/8			18797	50475	A49	
	AL6-AK8	H	AM7-11	106748						18797	101412	A42	
	AL6	V	AM12-17	105476	1VL44	5/8	105482	AK56		50475	A49		
	AL6	H	AM12-17	105476			105482			101412	A42		
	AL6-AK8	V	AM12-17	106758			7/8			105482	50475	A49	
	AL6-AK8	H	AM12-17	106758						105482	101412	A42	
1-1/2	AL7	V	AM7-11	7962	1VL40	5/8	18797	AK64	1	50475	A49		
	AL7	H	AM7-11	7962			18797			101412	A42		
	AL7-AK8	V	AM7-11	106748			7/8			18797	50475	A49	
	AL7-AK8	H	AM7-11	106748						18797	101412	A42	
	AL7	V	AM12-17	105476	1VL44	5/8	105482	AK56		50475	A49		
	AL7	H	AM12-17	105476			105482			101412	A42		
	AL7-AK8	V	AM12-17	106758			7/8			105482	50475	A49	
	AL7-AK8	H	AM12-17	106758						105482	101412	A42	
	AL7	V	AM18-21	13013	1VM50	5/8	105482	AK56		50475	A49		
	AL7	H	AM18-21	13013			105482			50470	A43		
	AL7-AK8	V	AM18-21	37451			7/8			105482	50475	A49	
	AL7-AK8	H	AM18-21	37451						105482	50470	A43	
2	2 HP Drive Components for Model RDF 1-40 Series 3 only												
	AL8	V	AM7-11	106748	1VL40	7/8	18797	AK64	1	50475	A49		
	AL8	H	AM7-11	106748			18797			101412	A42		
	AL8	V	AM12-17	106758			AK56			105482	50475	A49	
	AL8	H	AM12-17	106758						105482	101412	A42	
	AL8	V	AM18-21	37451	1VM50	7/8	105482	AK56		50475	A49		
	AL8	H	AM18-21	37451			105482			50470	A43		
	2 HP Drive Components for Model RDF 1-40 prior to Series 3												
	AL8	V	AM7-11	7962	1VL40	5/8	18797	AK64		1	50475	A49	
	AL8	H	AM7-11	7962			18797				101412	A42	
	AL8	V	AM12-17	105476	1VL44		AK56	105482			50475	A49	
	AL8	H	AM12-17	105476				105482			101412	A42	
	AL8	V	AM18-21	13013	1VM50		7/8	105482			AK56	50475	A49
	AL8	H	AM18-21	13013				105482				50470	A43
	3	AL9	V	AM12-17	106748	1VL40	7/8	111609		AK99	1	16132	A55
		AL9	H	AM12-17	106748			111609				65403	A48
		AL9	V	AM18-21	106748			AK84		19111		50513	A52
		AL9	H	AM18-21	106748					19111		50473	A46
5	AL10	V	AM14-18	8973	2VP50	7/8	30621	2AK124		1	50477	A60	
	AL10	H	AM14-18	8973			30621		16131		A54		
	AL10	V	AM19-23	8973			2AK104	7955	16134		A57		
	AL10	H	AM19-23	8973				7955	88558		A50		

# Drive Components (cont'd)

NOTE : Where 575V (AK8) is listed, the two corresponding AL option lines above apply to all other voltages with that HP.

<b>Model RDF 1-50</b>														
Open Motor		Horz/Vert Discharge	Drive Option (See page 23.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt				
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Mfr No.			
1	AL6	V	AM4-6	7962	1VL40	5/8	19111	AK84	1	88558	A50			
	AL6	H	AM4-6	7962			19111			50473	A46			
	AL6-AK8	V	AM4-6	106748		7/8	19111			88558	A50			
	AL6-AK8	H	AM4-6	106748			19111			50473	A46			
	AL6	V	AM7-11	7962	1VL40	5/8	18797	AK64		50474	A47			
	AL6	H	AM7-11	7962			18797			101412	A42			
	AL6-AK8	V	AM7-11	106748		7/8	18797			50474	A47			
	AL6-AK8	H	AM7-11	106748			18797			101412	A42			
1-1/2	AL7	V	AM4-6	7962	1VL40	5/8	19111	1	88558	A50				
	AL7	H	AM4-6	7962			19111		50473	A46				
	AL7-AK8	V	AM4-6	106748		7/8	19111		88558	A50				
	AL7-AK8	H	AM4-6	106748			19111		50473	A46				
	AL7	V	AM7-11	7962	1VL40	5/8	18797		AK64	50474	A47			
	AL7	H	AM7-11	7962			18797			101412	A42			
	AL7-AK8	V	AM7-11	106748		7/8	18797			50474	A47			
	AL7-AK8	H	AM7-11	106748			18797			101412	A42			
2	<b>2 HP Drive Components for Model RDF 1-50 Series 3 only</b>													
	AL8	V	AM4-6	106748	1VL40	7/8	19111	AK84	1	88558	A50			
	AL8	H	AM4-6	106748			19111			50473	A46			
	AL8	V	AM7-11	106748		AK64	18797			50474	A47			
	AL8	H	AM7-11	106748			18797			101412	A42			
	<b>2 HP Drive Components for Model RDF 1-50 prior to Series 3</b>													
	AL8	V	AM4-6	7962	1VL40	5/8	19111	AK84		1	88558	A50		
	AL8	H	AM4-6	7962			19111				50473	A46		
	AL8	V	AM7-11	7962		AK64	18797				50474	A47		
	AL8	H	AM7-11	7962			18797				101412	A42		
	3	AL9	V	AM8-11	106758	1VL44	7/8	113372			AK144	1	88560	A61
		AL9	H	AM8-11	106758			113372					50476	A58
AL9		V	AM12-16	37451	1VM50	50520		AK134			50477		A60	
AL9		H	AM12-16	37451		50520			16133		A56			
5	AL10	V	AM8-13	87500	2VP36	7/8	7955	2AK104	1		16130	A53		
	AL10	H	AM8-13	87500			7955				50475	A49		
	AL10	V	AM14-18	8973	2VP50		30621	2AK124			50476	A58		
	AL10	H	AM14-18	8973			30621				16131	A54		

# Drive Components (cont'd)

NOTE : Where 575V (AK8) is listed, the two corresponding AL option lines above apply to all other voltages with that HP.

<b>Model RDF 1-65</b>																
Open Motor		Horz/Vert Discharge	Drive Option (See page 23.)	CODE200 - Motor Sheave			CODE201- Blower Sheave			CODE202 - Belt		CODE 203 - Bushing				
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Mfr No.					
1-1/2	AL7	V	AM2-3	13013	1VM50	5/8	113372	AK144	1	88560	A61	-				
	AL7	H	AM2-3	13013			113372			92402	A59	-				
	AL7-AK8	V	AM4-6	37451		7/8	113372			88560	A61	-				
	AL7-AK8	H	AM4-6	37451			113372			92403	A59	-				
	AL7	V	AM4-6	7962	1VL40	5/8	19111	AK84		50475	A49	-				
	AL7	H	AM4-6	7962			19111			50473	A46	-				
	AL7-AK8	V	AM4-6	106748		7/8	19111			50475	A49	-				
	AL7-AK8	H	AM4-6	106748			19111			50473	A46	-				
	AL7	V	AM7-11	7962	1VL40	5/8	18797	AK64		50472	A45	-				
	AL7	H	AM7-11	7962			18797			50470	A43	-				
	AL7-AK8	V	AM7-11	106748		7/8	18797			50472	A45	-				
	AL7-AK8	H	AM7-11	106748			18797			50470	A43	-				
<b>2 HP Drive Components for Model RDF 1-65 Series 3 only</b>																
2	AL8	V	AM2-3	37451	1VM50	7/8	113372	AK144	1	88560	A61	-				
	AL8	H	AM2-3	37451			113372			92403	A59	-				
	AL8	V	AM4-6	106748		1VL40	7/8			19111	AK84	50475	A49	-		
	AL8	H	AM4-6	106748						19111		50473	A46	-		
	AL8	V	AM7-11	106748	7/8		18797	AK64		50472		A45	-			
	AL8	H	AM7-11	106748			18797			50470		A43	-			
	<b>2 HP Drive Components for Model RDF 1-65 prior to Series 3</b>															
	3	AL8	V	AM2-3	13013	1VM50	5/8			113372	AK144	1	88560	A61	-	
		AL8	H	AM2-3	13013			113372		92403			A59	-		
		AL8	V	AM4-6	7962		1VL40	5/8		19111			AK84	50475	A49	-
		AL8	H	AM4-6	7962					19111				50473	A46	-
		AL8	V	AM7-11	7962	5/8		18797		AK64				50472	A45	-
AL8		H	AM7-11	7962	18797			50470	A43					-		
5	AL9	V	AM4-7	87500	2VP36	7/8	113382	AK144	1		92402	A59	-			
	AL9	H	AM4-7	87500			113382				50476	A58	-			
	AL9	V	AM8-11	6599	2VP42		30622	2AK134H			50476	A58	92203			
	AL9	H	AM8-11	6599			30622				16133	A56	92203			
5	AL10	V	AM7-13	87500	2VP36	7/8	7955	2AK104	1	65404	A51	-				
	AL10	H	AM7-13	87500			7955			88558	A50	-				

# Drive Components (cont'd)

(Effective 8/90 all RDF-2-80 Models are equipped with a Class 2 blower. For RDF-2-80 with a Class 1 blower, see page 28. A Class 2 blower was available as a option prior to 8/90.)

<b>Model RDF 2-80 with a CLASS 2 BLOWER</b>													
Open Motor		Horz/Vert	Drive Option	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203 -
HP	Option	Discharge	(See page 23.)	P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	Bushing
<b>2 HP Drive Components for Model RDF 2-80 Series 3 only</b>													
2	AL8	V	AM3-5	106748	1VL40	7/8	114026	BK110H	1-7/16	112531	1	B55	89659
	AL8	H	AM3-5	106748			114026			92222	1	B53	89659
<b>2 HP Drive Components for Model RDF 2-80 prior to Series 3</b>													
2	AL8	V	AM3-5	7962	1VL40	5/8	114026	BK110H	1-7/16	112531	1	B55	89659
	AL8	H	AM3-5	7962			114026			92222	1	B53	89659
3	AL9	V	AM3-4	87500	2VP36	7/8	114027	2AK184H	1-7/16	16558	2	A69	89659
	AL9	H	AM3-4	87500			114027			16139	2	A67	89659
	AL9	V	AM5-9	110125	1VP34		114028	AK134H		92402	1	A59	89659
	AL9	H	AM5-9	110125			114028			16134	1	A57	89659
	AL9	V	AM10-13	106748	1VL40		114030	AK124H		92402	1	A59	89659
	AL9	H	AM10-13	106748			114030			16132	1	A55	89659
5	AL10	V	AM3-4	87500	2VP36	7/8	114027	2AK184H	1-7/16	16558	2	A69	89659
	AL10	H	AM3-4	87500			114027			16139	2	A67	89659
	AL10	V	AM5-6	87500	2VP42		114032	2B5V160		92276	2	BX65	114033
	AL10	H	AM5-6	6599			114027			16139	2	A67	89659
	AL10	V	AM7-11	87500	2VP36		114034	2AK124H		50476	2	A58	89659
	AL10	H	AM7-11	87500			114034			16132	2	A55	89659
7-1/2	AL11	V	AM6-7	113802	2VP68	1-3/8	89651	2BK16 0H	1-7/16	114104	2	B66	89659
	AL11	H	AM6-7	114249	2VP71		89651			92414	2	B64	89659
	AL11	V	AM8-9	106257	2VP60		113811	2BK120H		92226	2	B58	89659
	AL11	H	AM8-9	106257			113811			92224	2	B56	89659
	AL11	V	AM10-11	16150	2VP62		114045	2BV110		92280	2	BX59	114033
	AL11	H	AM10-11	16150			114045			92409	2	BX55	114033
	AL11	V	AM12-15	106257	2VP60		113804	2BK90H		92222	2	B53	89659
	AL11	H	AM12-15	106257			113804			92220	2	B51	89659
10	AL12	V	AM6-7	113802	2VP68	1-3/8	89651	2BK16 0H	1-7/16	114104	2	B66	89659
	AL12	H	AM6-7	114249	2VP71		89651			92414	2	B64	89659
	AL12	V	AM8-9	106257	2VP60		113811	2BK120H		92226	2	B58	89659
	AL12	H	AM8-9	106257			113811			92224	2	B56	89659
	AL12	V	AM10-11	16150	2VP62		114045	2BV110		92280	2	BX59	114033
	AL12	H	AM10-11	16150			114045			92409	2	BX55	114033
	AL12	V	AM12-15	106257	2VP60		113804	2BK90H		92222	2	B53	89659
	AL12	H	AM12-15	106257			113804			92220	2	B51	89659
15	AL15	V	AM7-9	91615	2MVP40B54	1-5/8	113811	2BK120H	1-7/16	92409	2	BX55	89659
	AL15	H	AM7-9	113809	2VP71A		92204			2BK140H	16143	2	B59
	AL15	V	AM10-11	113809			2MVP45B59	89650			2BK130H	92226	2
	AL15	H	AM10-11	113809	114048			92225		2		B57	89659
	AL15	V	AM12-16	114047	2VP75		114048	2B5V86		92236	2	BX50	114033
	AL15	H	AM12-16	114047			114048			113805	2	B49	114033
	AL15	V	AM17-20	113808	2VP75		114048	2B5V86		114341	2	BX53	114033
	AL15	H	AM17-20	113808			114048			92237	2	BX51	114033
TEFC Motor		Horz/Vert	Drive Option	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203 -
HP	Option	Discharge	(See page 23.)	P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	Bushing
5	AL27	H	AM7-9	111681	1VP50	1-1/8	113799	AK184H	1-7/16	16139	2	A67	89659

**NOTE:** If drive components are required for units with a TEFC or Premium Efficiency motor not listed here, contact your Distributor or the Factory Service Department. Be prepared to provide complete Model and Serial No.

# Drive Components (cont'd)

## Model RDF-2-80 with a Class 1 Blower

(Effective 8/90 all RDF-2-80 Models are equipped with a Class 2 blower. For RDF-2-890 with a Class 2 blower, see page 27. A Class 2 blower was available as a option prior to 8/90.

MOTOR H P	OPTION NO.	AM NO. (page 22)	BLOWER RPM RANGE	MOTOR SHEAVE		BLOWER SHEAVE		BLOWER BUSHING		DISCHARGE H = Horizontal V = Vertical	BELT		
				P/N	MFG. NO.	P/N	MFG. NO.	P/N	SIZE		P/N	SIZE	QTY.
2	AL8	3	501-550	13013	1VP50(5/8)	92416	AK134	92203	"H"-1"	H	92402	A59	1
										V	80838	A77	1
		4	551-600	13013	1VP50(5/8)	92417	AK124	92203	"H"-1"	H	16134	A57	1
										V	92403	A76	1
		5	601-650	13013	1VP50(5/8)	92418	AK114	92203	"H"-1"	H	16133	A56	1
										V	92404	A74	1
3 5	AL9	3	501-550	7963	2VP42(1 1/8)	91621	2TB200	6605	"Q"-1"	H	80839	A72	2
										V	92406	A89	2
		4	551-600	7963	2VP42(1 1/8)	92208	2TB184	6605	"Q"-1"	H	16558	A69	2
										V	92219	A86	2
		5	601-650	7963	2VP42(1 1/8)	92208	2TB184	6605	"Q"-1"	H	16558	A69	2
										V	92219	A86	2
	6	651-700	7963	2VP42(1 1/8)	92206	2TB154	6605	"Q"-1"	H	16138	A63	2	
									V	92217	A81	2	
	AL10	7	701-750	7963	2VP42(1 1/8)	92206	2TB154	6605	"Q"-1"	H	16138	A63	2
										V	92217	A81	2
		8	751-800	7963	2VP42(1 1/8)	92204	2BK140	92203	"H"-1"	H	92402	A59	2
										V	80838	A77	2
9		801-850	7963	2VP42(1 1/8)	92204	2BK140	92203	"H"-1"	H	92402	A59	2	
									V	80838	A77	2	
10	851-900	7963	2VP42(1 1/8)	89650	2BK130	92203	"H"-1"	H	16134	A57	2		
								V	92403	A76	2		
11	901-950	7963	2VP42(1 1/8)	89650	2BK130	92203	"H"-1"	H	16134	A57	2		
								V	92403	A76	2		
7 1/2	AL11	6	651-700	89641	2MVP40B54(1 1/8)	39458	2TB124	6605	"Q"-1"	H	7972	B60	2
										V	92234	B78	2
		7	701-750	89641	2MVP40B54(1 1/8)	91631	2TB110	6605	"Q"-1"	H	92225	B57	2
										V	92232	B76	2
		8	751-800	89641	2MVP40B54(1 1/8)	91631	2TB110	6605	"Q"-1"	H	92225	B57	2
										V	92232	B76	2
		9	801-850	89641	2MVP40B54(1 1/8)	91632	2TB94	6605	"Q"-1"	H	92223	B54	2
										V	92230	B73	2
		10	851-900	89641	2MVP40B54(1 1/8)	91632	2TB94	6605	"Q"-1"	H	92223	B54	2
										V	92230	B73	2
		11	901-950	89641	2MVP40B54(1 1/8)	91633	2TB86	6605	"Q"-1"	H	92222	B53	2
										V	92229	B71	2
12	951-1000	89641	2MVP40B54(1 1/8)	91633	2TB86	6605	"Q"-1"	H	92222	B53	2		
								V	92229	B71	2		
13	1001-1050	89641	2MVP40B54(1 1/8)	92205	2TB74	6605	"Q"-1"	H	92220	B51	2		
								V	92228	B70	2		
10	AL12	7	701-750	89641	2MVP40B54(1 1/8)	91631	2TB110	6605	"Q"-1"	H	92225	B57	2
										V	92232	B76	2
		8	751-800	89641	2MVP40B54(1 1/8)	91631	2TB110	6605	"Q"-1"	H	92225	B57	2
										V	92232	B76	2

# Drive Components (cont'd)

Model RDF 2-120														
* Open Motor		Horz/Vert	Drive Option	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203	
HP	Option	Discharge	(See page 23.)	P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	- Bushing	
<b>2 HP Drive Components for Model RDF 2-120 Series 3 only</b>														
2	AL8	V	AM3-5	<b>106758</b>	1VL44	7/8	<b>113798</b>	AK104H	1-7/16	<b>16130</b>	1	A53	<b>89659</b>	
	AL8	H	AM3-5	<b>106748</b>	1VL40		<b>114026</b>	BK110H		<b>92223</b>	1	B54	<b>89659</b>	
	<b>2 HP Drive Components for Model RDF 2-120 prior to Series 3</b>													
	AL8	V	AM3-5	<b>105476</b>	1VL44	5/8	<b>113798</b>	AK104H	1-7/16	<b>16130</b>	1	A53	<b>89659</b>	
AL8	H	AM3-5	<b>7962</b>	1VL40	<b>114026</b>		BK110H	<b>92223</b>		1	B54	<b>89659</b>		
3	AL9	V	AM3-4	<b>87500</b>	2VP36	7/8	<b>89652</b>	2BK10H	1-7/16	<b>92241</b>	2	BX68	<b>89659</b>	
	AL9	H	AM3-4	<b>87500</b>			<b>114027</b>	2AK184H		<b>16558</b>	2	A69	<b>89659</b>	
	AL9	V	AM5-7	<b>106758</b>	1VL44		<b>113799</b>	AK184H		<b>16558</b>	1	A69	<b>89659</b>	
	AL9	H	AM5-7	<b>110125</b>	1VP34		<b>114028</b>	AK134H		<b>92402</b>	1	A59	<b>89659</b>	
	AL9	V	AM8-11	<b>106758</b>	1VL44		<b>113800</b>	AK144H		<b>88560</b>	1	A61	<b>89659</b>	
	AL9	H	AM8-11	<b>106758</b>			<b>113800</b>	AK144H		<b>16138</b>	1	A63	<b>89659</b>	
5	AL10	V	AM3-4	<b>87500</b>	2VP36	7/8	<b>89652</b>	2BK10H	1-7/16	<b>92241</b>	2	BX68	<b>89659</b>	
	AL10	H	AM3-4	<b>87500</b>			<b>114027</b>	2AK184H		<b>16558</b>	2	A69	<b>89659</b>	
	AL10	V	AM5-7	<b>87500</b>	2VP42		<b>89651</b>	BK160H		<b>92411</b>	2	BX62	<b>89659</b>	
	AL10	H	AM5-7	<b>6599</b>			<b>114027</b>	2AK184H		<b>114257</b>	2	A70	<b>89659</b>	
	AL10	V	AM8-11	<b>87500</b>	2VP36		<b>113801</b>	2AK104H		<b>16130</b>	2	A53	<b>89659</b>	
	AL10	H	AM8-11	<b>87500</b>			<b>114034</b>	2AK124H		<b>16134</b>	2	A57	<b>89659</b>	
7-1/2	AL11	V	AM4-5	<b>110771</b>	2VP65	1-3/8	<b>114032</b>	2B5V160	1-7/16	<b>114258</b>	2	BX64	<b>114033</b>	
	AL11	H	AM4-5	<b>110771</b>			<b>114032</b>	2B5V160		<b>80841</b>	2	BX67	<b>114033</b>	
	AL11	V	AM6-7	<b>113802</b>	2VP68		<b>89651</b>	2BK160H		<b>92278</b>	2	BX63	<b>89659</b>	
	AL11	H	AM6-7	<b>114249</b>	2VP71		<b>89651</b>	2BK160H		<b>114104</b>	2	B66	<b>89659</b>	
	AL11	V	AM8-11	<b>106257</b>	2VP60		<b>113803</b>	2BK110H		<b>92223</b>	2	B54	<b>89659</b>	
	AL11	H	AM8-11	<b>106257</b>			<b>113803</b>	2BK110H		<b>92224</b>	2	B56	<b>89659</b>	
	AL11	V	AM12-15	<b>106257</b>			<b>113804</b>	2BK90H		<b>114010</b>	2	B50	<b>89659</b>	
	AL11	H	AM12-15	<b>106257</b>			<b>113804</b>	2BK90H		<b>92222</b>	2	B53	<b>89659</b>	
10	AL12	V	AM4-5	<b>110771</b>	2VP65	1-3/8	<b>114032</b>	2B5V160	1-7/16	<b>114258</b>	2	BX64	<b>114033</b>	
	AL12	H	AM4-5	<b>110771</b>			<b>114032</b>	2B5V160		<b>80841</b>	2	BX67	<b>114033</b>	
	AL12	V	AM6-7	<b>113802</b>	2VP68		<b>89651</b>	2BK160H		<b>92278</b>	2	BX63	<b>89659</b>	
	AL12	H	AM6-7	<b>114249</b>	2VP71		<b>89651</b>	2BK160H		<b>114104</b>	2	B66	<b>89659</b>	
	AL12	V	AM8-11	<b>106257</b>	2VP60		<b>113803</b>	2BK110H		<b>92223</b>	2	B54	<b>89659</b>	
	AL12	H	AM8-11	<b>106257</b>			<b>113803</b>	2BK110H		<b>92224</b>	2	B56	<b>89659</b>	
	AL12	V	AM12-15	<b>106257</b>			<b>113804</b>	2BK90H		<b>114010</b>	2	B50	<b>89659</b>	
	AL12	H	AM12-15	<b>106257</b>			<b>113804</b>	2BK90H		<b>92222</b>	2	B53	<b>89659</b>	
15	AL15	V	AM6-7	<b>113808</b>	2VP75	1-5/8	<b>114032</b>	2B5V160	1-7/16	<b>92411</b>	2	BX62	<b>114033</b>	
	AL15	H	AM6-7	<b>91615</b>	2MVP40B54		<b>113811</b>	2BK120H		<b>92409</b>	2	BX55	<b>89659</b>	
	AL15	V	AM8-9	<b>113809</b>	2VP71A		<b>92204</b>	2BK140H		<b>92226</b>	2	B58	<b>89659</b>	
	AL15	H	AM8-9	<b>91615</b>	2MVP40B54		<b>113811</b>	2BK120H		<b>92409</b>	2	BX55	<b>89659</b>	
	AL15	V	AM10-11	<b>113808</b>	2VP75		<b>89650</b>	2BK130H		<b>92224</b>	2	B56	<b>89659</b>	
	AL15	H	AM10-11	<b>113809</b>	2VP71A		<b>89650</b>			<b>16143</b>	2	B59	<b>89659</b>	
	AL15	V	AM12-13	<b>113808</b>	2VP75		<b>113811</b>	2BK120H		<b>112531</b>	2	B55	<b>89659</b>	
	AL15	H	AM12-13	<b>113808</b>			<b>113811</b>			<b>92226</b>	2	B58	<b>89659</b>	

\* If drive components are required for units with a 3-10HP TEFC or 3-10 HP Premium Efficiency motor, contact your Distributor or the Factory Service Department. Be prepared to provide complete Model and Serial No.

# Drive Components (cont'd)

Model RDF 3-180														
*Open Motor		Blower	Horz/Vert	Drive Option	CODE 200 - Motor Sheave			CODE 201- Blower Sheave			CODE 202 - Belt			CODE 203
HP	Option	Class	Discharge	(See page 23.)	P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	- Bushing
5	AL10	1	V	AM2-3	6599	2VP42	7/8	115718	2B5V250	1-7/16	92319	2	BX97	114033
	AL10	1	V	AM4-5	87500	2VP36		89652	2BK190H		92312	2	B86	89659
	AL10	1	H	AM2-3	6599	2VP42		115718	2B5V250		92308	2	B92	114033
	AL10	1	H	AM4-5	87500	2VP36		89652	2BK190H		92341	2	BX77	89659
7-1/2 and 10	AL11/12	1	V	AM1	114249	2VP71	1-3/8	115718	2B5V250	1-7/16	115932	2	BX99	114033
	AL11/12	1	V	AM2	106257	2VP60		89652	2BK190H		115933	2	B88	89659
	AL11/12	1	V	AM3	16150	2VP62		89652			115934	2	B89	89659
	AL11/12	1	V	AM4-5	110771	2VP65		114032	2B5V160		92273	2	B84	114033
	AL11/12	1	V	AM6-7	114249	2VP71		114032			92317	2	BX85	114033
	AL11/12	1	V	AM8-9	106257	2VP60		113811	2BK120H		92277	2	BX75	89659
	AL11/12	1	H	AM1	114249	2VP71		115718	2B5V250		92313	2	BX93	114033
	AL11/12	1	H	AM2	106257	2VP60		89652	2BK190H		92332	2	BX79	89659
	AL11/12	1	H	AM3	16150	2VP62		89652			92332	2	BX79	89659
	AL11/12	1	H	AM4-5	110771	2VP65		114032	2B5V160		92277	2	BX75	114033
	AL11/12	1	H	AM6-7	114249	2VP71		89651			92277	2	BX75	89659
	AL11/12	1	H	AM8-9	106257	2VP60		113811	2BK120H		92240	2	BX66	89659
15 and 20	AL15/16	1	V	AM4-5	89644	3MVP40B54	1-5/8	115720	3B5V136	1-7/16	92341	3	BX77	114033
	AL15/16	1	V	AM6-7	115719	3MVP50B64		115721	3B5V154		92274	3	BX81	114033
	AL15/16	1	V	AM8-10	89645	3MVP45B59		115722	3BK120H		92231	3	B74	89659
	AL15/16	1	V	AM11-14	89644	3MVP40B54		115723	3BK90H		92241	3	BX68	89659
	AL15/16	2	V	AM2-3	89645	3MVP45B59		115943	3B5V184		92310	3	B87	116205
	AL15/16	2	V	AM4-6	89644	3MVP40B54		115720	3B5V136		92341	3	BX77	116205
	AL15/16	2	V	AM7-9	89644			115935	3B5V110	92230	3	B73	116205	
	AL15/16	2	V	AM10-12	115719	3MVP50B64		115935		92277	3	BX75	116205	
	AL15/16	2	V	AM13-15	89645	3MVP45B59		115945	3B6V90	92243	3	BX71	116205	
	AL15/16	1	H	AM4-5	89644	3MVP40B54		115720	3B5V136	92241	3	BX68	114033	
	AL15/16	1	H	AM6-7	115719	3MVP50B64		115721	3B5V154	92230	3	B73	114033	
	AL15/16	1	H	AM8-10	89645	3MVP45B59		115722	3BK120H	6010	3	B65	89659	
	AL15/16	1	H	AM11-14	89644	3MVP40B54		115723	3BK90H	16143	3	B59	89659	
	AL15/16	2	H	AM2-3	89645	3MVP45B59		115943	3B5V184	92234	3	B78	116205	
	AL15/16	2	H	AM4-6	89644	3MVP40B54		115720	3B5V136	92241	3	BX68	116205	
	AL15/16	2	H	AM7-9	89644			115935	3B5V110	114258	3	BX64	116205	
	AL15/16	2	H	AM10-12	115719	3MVP50B64		115935		92276	3	BX65	116205	
	AL15/16	2	H	AM13-15	89645	3MVP45B59		115945	3B6V90	92411	3	BX62	116205	
25 and 30	AL17/18	2	V	AM5-6	115931	4MVP50B64	1-7/8	116204	4MVB154R	2-3/16	92412	4	BX80	116206
	AL17/18	2	V	AM7-9	115946	4MVP45B59		116203	4MVB124R		92277	4	BX72	116206
	AL17/18	2	V	AM10-12	115931	4MVP50B64		116202	4MVB110R		92230	4	B73	116206
	AL17/18	2	V	AM13-16	115931	4MVP50B64		116201	4MVB94Q		92242	4	BX70	116207
	AL17/18	2	H	AM5-6	115931	4MVP50B64		116204	4MVB154R		92243	4	BX71	116206
	AL17/18	2	H	AM7-9	115946	4MVP45B59		116203	4MVB124R		92276	4	BX65	116206
	AL17/18	2	H	AM10-12	115931	4MVP50B64		116202	4MVB110R		92278	4	BX63	116206
	AL17/18	2	H	AM13-16	115931	4MVP50B64		116201	4MVB94Q		92289	4	BX61	116207

\* If drive components are required for units with a 5-15HP TEFC or 5-15 HP Premium Efficiency motor, contact your Distributor or the Factory Service Department. Be prepared to provide complete Model and Serial No.

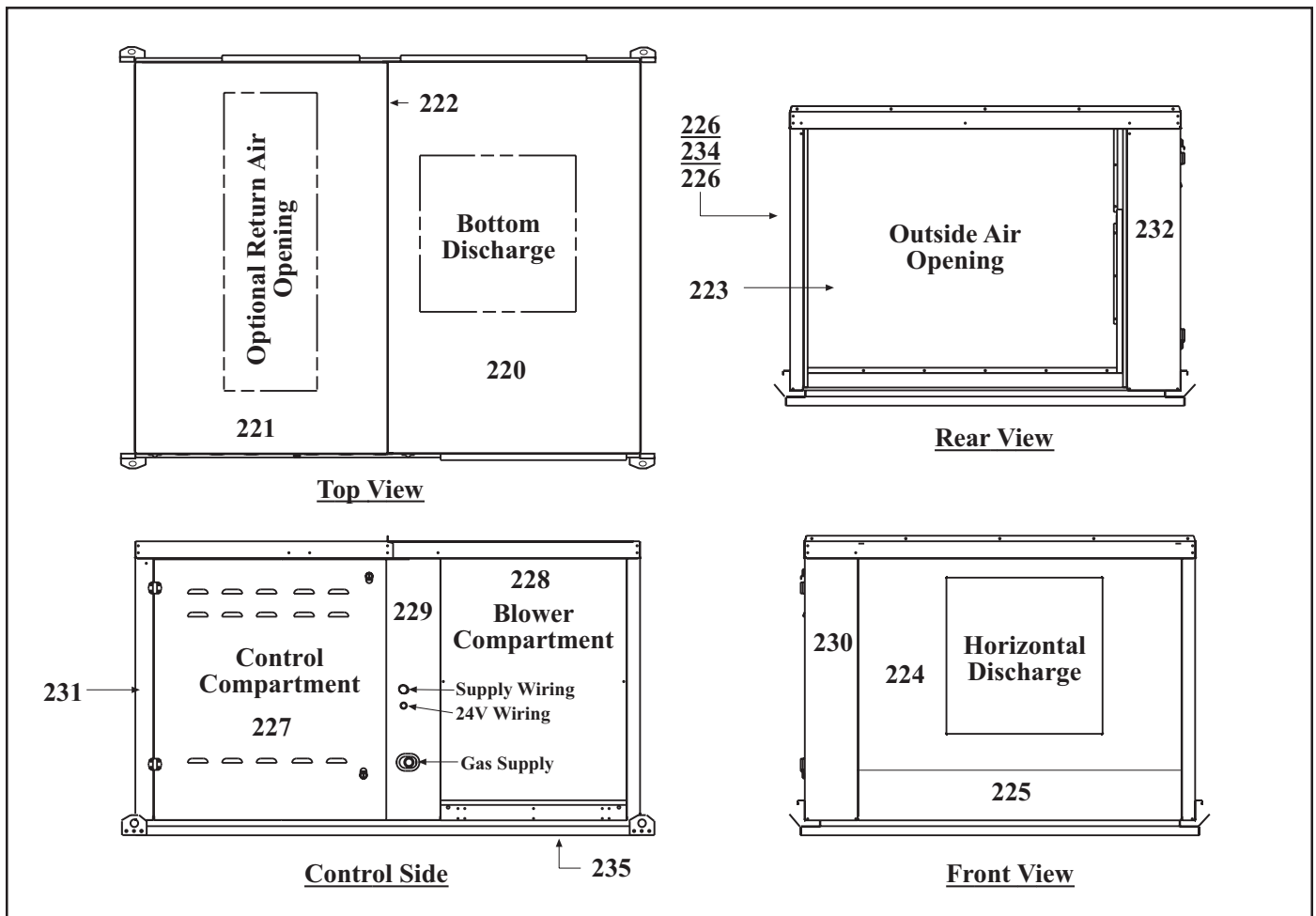
# Drive Components (cont'd)

Model RDF 3-260															
*Open Motor		Blower	Horz/Vert	Drive Option	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203 -	
HP	Option	Class	Discharge	(See page 23.)	P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	Bushing	
7-1/2 and 10	AL11/12	1	H	AMA3	115940	2MVP35B49	1-3/8	115941	2B5V234	1-11/16	92316	2	BX103	115949	
	AL11/12	1	V	AMA3	115940			115941			115947	2	BX113	115949	
	AL11/12	1	H	AMA4	106257			115941			92316	2	BX103	115949	
	AL11/12	1	V	AMA4	106257	115941		115948			2	BX115	115949		
	AL11/12	1	H	AM1-2	89641	2MVP40B54		115942	2B5V184		92313	2	BX93	115949	
	AL11/12	1	V	AM1-2	89641			115942			92314	2	BX105	115949	
	AL11/12	1	H	AM3-4	106257			2VP60	114032		2B5V160	92315	2	BX90	115949
	AL11/12	1	V	AM3-4	106257	114032			92316			2	BX103	115949	
15 and 20	AL15/16	1	H	AMA4	89644	3MVP40B54	1-5/8	115944	3B5V234	1-11/16	92318	3	BX100	115949	
	AL15/16	1	V	AMA4	89644			115944			115947	3	BX113	115949	
	AL15/16	1	H	AM1	115719			3MVP50B54			115944	115865	3	B101	115949
	AL15/16	1	V	AM1	115719	115944					115947	3	BX113	115949	
	AL15/16	1	H	AM2	89644	3MVP40B54		115943	3B5V184		92315	3	BX90	115949	
	AL15/16	1	V	AM2	89644			115943			92316	3	BX103	115949	
	AL15/16	1	H	AM3-5	89644			3MVP40B54	115721		3B5V154	92273	3	B84	115949
	AL15/16	1	V	AM3-5	89644				115721			92319	3	BX97	115949
	AL15/16	2	H	AMA4	89645	3MVP45B59		116446	3MVB250R		92316	3	BX103	116451	
	AL15/16	2	V	AMA4	89645			116446			115948	3	BX115	116451	
	AL15/16	2	H	AM1	89644	3MVP40B54		116447			3MVB200R	92313	3	BX93	116451
	AL15/16	2	V	AM1	89644			116447				92314	3	BX105	116451
	AL15/16	2	H	AM2-3	89645	3MVP45B59		116448	3MVB184Q		92315	3	BX90	91609	
	AL15/16	2	V	AM2-3	89645			116448			92316	3	BX103	91609	
	AL15/16	2	H	AM4-6	89644	3MVP40B54		116449	3MVB136Q		92274	3	BX81	91609	
	AL15/16	2	V	AM4-6	89644			116449			119610	3	B94	91609	
25 and 30	AL17/18	2	H	AM1	116460	4MVP55B69	1-7/8	116461	4MVB250R	2-11/16	92316	4	BX103	116451	
	AL17/18	2	V	AM1	116460			116461			115948	4	BX115	116451	
	AL17/18	2	H	AM2-3	115946	4MVP45B59		116462	4MVB184R		92315	4	BX90	116451	
	AL17/18	2	V	AM2-3	115946			116462			92316	4	BX103	116451	
	AL17/18	2	H	AM4-5	115946			4MVP45B59	116204		4MVB154R	92333	4	BX83	116451
	AL17/18	2	V	AM4-5	115946				116204			92334	4	BX96	116451
	AL17/18	2	H	AM6-8	116460	4MVP55B69		116204	4MVB154R		92317	4	BX85	116451	
	AL17/18	2	V	AM6-8	116460			116204			92319	4	BX97	116451	

\* If drive components are required for units with a 7-1/2 - 20 HP TEFC or 7-1/2 - 20 HP Premium Efficiency motor, contact your Distributor or the Factory Service Department. Be prepared to provide complete Model and Serial No.

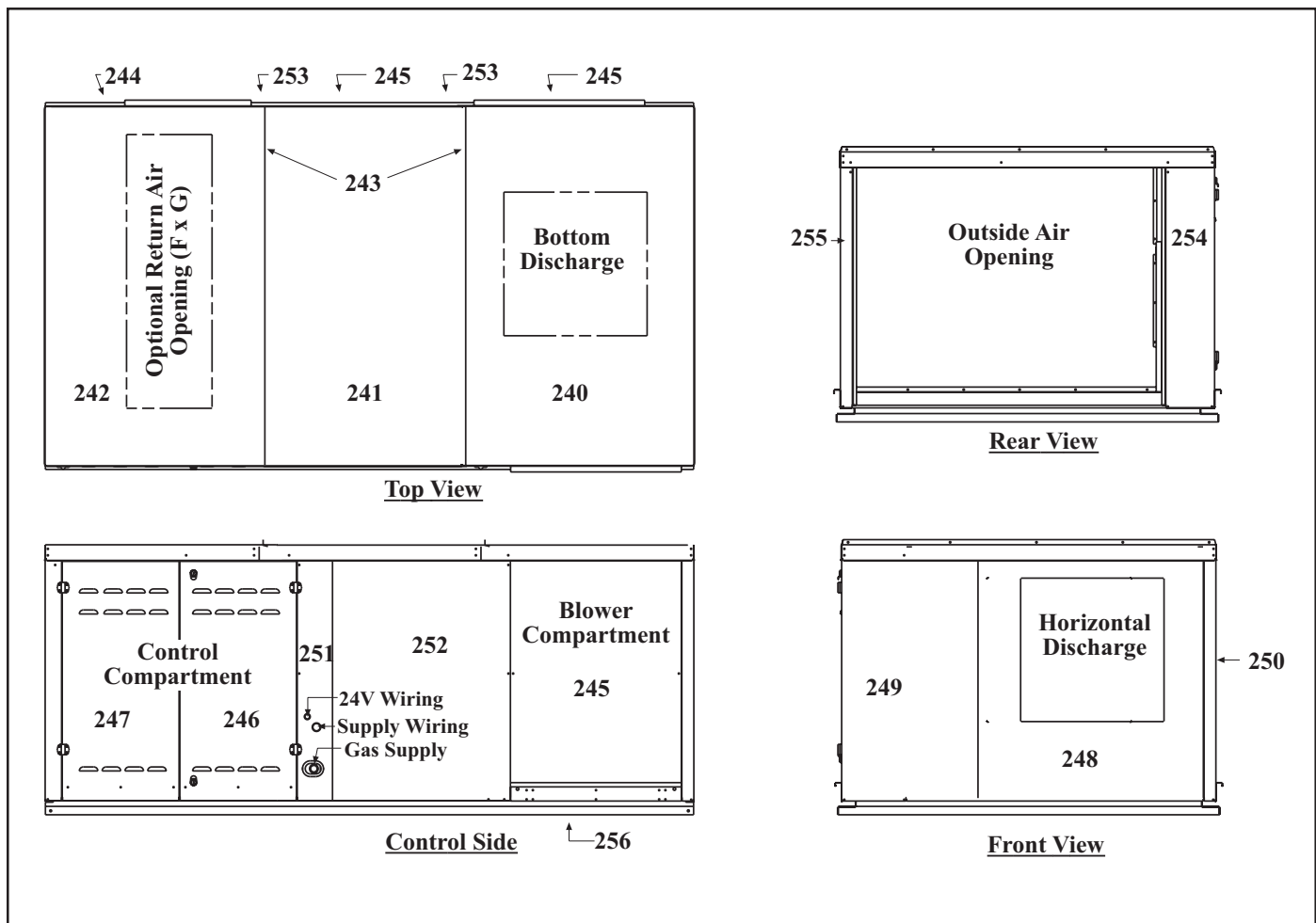


# Cabinet Parts for Models RDF-1 Series 3



CODE	Description	Model RDF Series 3			
		1-20	1-40	1-50	1-65
220	Top Front	86879			
221	Top Rear	86880			
222	Top Clamp	86882			
223	Inlet Screen (Standard unit without optional inlet air hood or filter cabinet)	96817	N/A	N/A	
224A	Front Panel Assembly including Duct Assembly for Horizontal discharge	87685			
224B	Front Panel Assembly for unit with bottom discharge (includes insulation)	86848			
225	Motor Access Panel Assembly - Horizontal Discharge Only	94360			
226	Side Panel Assembly (includes insulation)	86848			
227	Front Panel Assembly for unit with bottom discharge (includes insulation)	86848			
228	Burner/Control Door Assembly	204476			
228A	Positioning Hinge (Part of CODE 228)	158800			
229	Blower Section Door Assembly	90321			
230	Center Post Outer Cover	86868			
231	Front Corner Post Outer Cover	(2) 86865			
232	Left Rear Corner Post Outer Cover	203816			
233	Right Rear Corner Post Outer Cover	203817			
234	Intermediate Post Cover	203815			
235	Vertical Discharge Cover (horizontal discharge only)	203994			
236	Pilot Access Cover Assembly	204474			
237	Door Latch	124067			

# Cabinet Parts for Models RDF-2 and RDF-3 Series 3



CODE	Description	Model RDF			
		2-80	2-120	3-180	3-260
240	Top Front	89558		91172	
241	Top Center		N/A	91173	
242	Top Rear	89559		91174	
243	Top Clamp	89562		(2) 91179	
244	Right Rear Side Door Assembly	203745		204558	
245	Side Door Assembly	(2)89510		(3) 91116	
246	Front Burner/Control Door Assembly	204498		204559	
247	Rear Burner/Control Door Assembly	204497		204560	
247A	Positioning Hinge (Part of CODE 247)			158800	
248A	Front Panel Assembly including Duct Assembly for Horizontal Discharge	89519		91125	
248B	Front Panel Assembly - Bottom Discharge	89967		91212	
249	Left Front Corner Post Outer Cover	89547		91157	
250	Right Front Corner Post Outer Cover	89547		91158	
251	Intermediate Post (Control)	203729		203639	
252	Intermediate Post Outer Cover #1	89552		204536	
253	Intermediate Post Outer Cover #2		N/A	(2) 91163	
254	Left Rear Corner Post Outer Cover	203728		203646	
255	Right Rear Corner Post Outer Cover	203736		203644	
256	Vertical Discharge Cover (horizontal discharge only)	203982		204538	
257	Pilot Access Cover	204474		203876	
258	Door Latch			124067	

# CODE 270 - Screened Air Inlet Hoods for Outdoor Units and Filter Sections for Indoor Units

Description	RDF-1	RDF-2	RDF-3
100% Outside Air Inlet Hood (Same as Option AS2)	69594	68774	71150
100% Outside Air Inlet Hood with Integral Filter Rack & 1" Permanent Filters (Same as Option AS6)	69596	68739	71152
100% Outside Air Inlet Hood with Integral Filter Rack & 2" Permanent Filters (Same as Option AS7)	72623	72625	72627
Outside Air Filter Section for Indoor Units with 1" Filters (Same as Option AW3)	69597	68775	71153
Outside Air Filter Section for Indoor Units with 2" Filters (Same as Option AW6)	72624	72626	72628

Components - Outdoor Screened Air Inlet Cabinets for Models RDF-3 only	Pkg P/N 71150		Pkg P/N 71152		Pkg P/N 72627	
	Same as Option AS2		Same as Option AS6		Same as Option AS7	
	Qty	P/N	Qty	P/N	Qty	P/N
Top of Inlet Hood Cabinet Section	1	91575	1	91575	1	91575
Top of Inlet Hood	1	91576	1	91576	1	91576
Clamp for Top Seam (Hood to Cabinet)	1	91577	1	91577	1	91577
Bottom of Hood Cabinet Section	1	91567	1	91567	1	91567
Supports (2 pieces per leg)	6	91581	6	91581	6	91581
Left Side of Hood	1	91568	1	91568	1	91568
Right Side of Hood	1	91569	1	91569	1	91569
Intermediate Posts - Cabinet Section	2	91578	2	91578	2	91578
Right Corner Posts - Cabinet Section	1	91579	1	91579	1	91579
Left Corner Post - Cabinet Section	1	91579	1	91579	1	91579
Doors (Filter Access Section on AS6 and AS7)	2	91585	2	91585	2	91585
Center Louver Top/Bottom Supports	2	91582	2	91582	2	91582
Pre-assembled Louver Sections with Screens	2	113003	2	113003	2	113003
Top and Bottom Filter channels		N/A	2	91580	2	94224
Filter Block Off Plates		N/A	2	91584		N/A
Bottom Filter block Off Plate		N/A		N/A	1	98764
Filter Block off Sections		N/A	6	95335	6	95335
Permanent Filters		N/A	12	87251, 12x35x1	10	94383, 12x35x2

Hardware included in all of the above packages:		
Qty	P/N	Description
100	11813	Sheetmetal Screws #10 x 1/2" long
15	10393	Screws 1/4-10 x 5/8" long (bolt type) - for legs and top clamp
15	7328	Hex Locking Nuts 1/4-20 - for legs and top clamp
3	41463	Sheetmetal Screws #14-10 x 3/4" long - for attaching legs
5	87900	Tinnerman Clips, Palnut #PW-1880-008-21 - for joining louver sections
4	37661	Screws, #10 x 1/2" long (self-drilling) - for attaching middle of doors)

# CODE 280 - Roof Curb Packages and Components

Each roof curb package for a Model RDF system includes two curb sides, one front, one back, eight curb dividers for creating supply and return air ductwork in the curb, and hardware for corner assembly and for installing ductwork dividers.

Roof Curb Option CJ3 for Model RDF Series 3 (See illustration, page 36)						Roof Curb Corner Hardware	
RDF Series 3	Pkg P/N	② Curb Side Assembly	① Curb Front and Back Assy	③, ④, and ⑤ - Curb Dividers for Ductwork			For Top Two "Holes"
RDF-1	204368	(2)204365	(2)104655	(4)203803	(2)203804	(2)203806	8 5/16" x 1" Lag Screws, P/N 16243
RDF-2	203980	(2)204366	(2)111508	(4)203977	(2)203978	(2)203979	8 5/16" Lockwasher, P/N 1333
RDF-3	204370	(2)204369	(2)111512	(4)203662	(2)203663	(2)203664	8 5/16" x 3/4" Hex Head Cap Screw, P/N 16247
							8 5/16" Lockwasher, P/N 1333
							8 5/16-18 Hex Nut, P/N 1035
<b>Hardware to Assemble and Attach Dividers to make Ductwork Openings</b>							
64 #10 Sheetmetal Screws, P/N 11813							

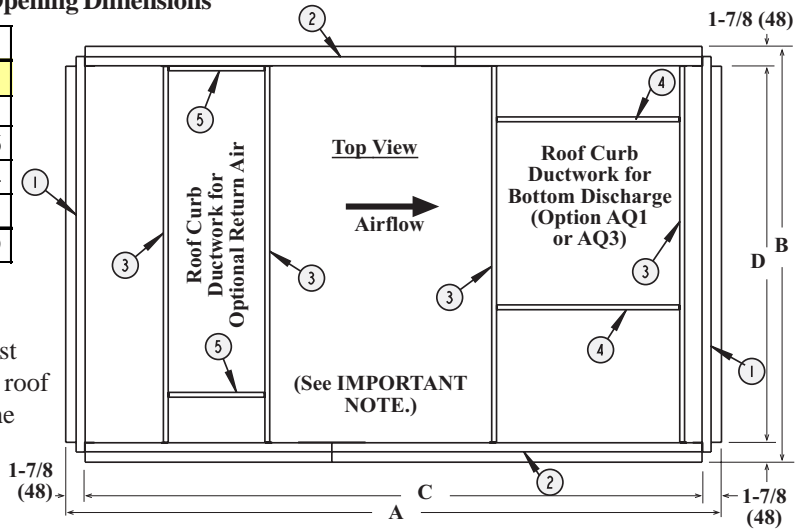
# Roof Curb Packages and Components (cont'd)

## Model RDF Series 3 - Reznor Roof Curb and Duct Opening Dimensions

RDF	-1		-2		-3	
Dimensions of Roof Curb Option CJ3						
	inches	mm	inches	mm	inches	mm
<b>A</b>	84-5/8	2149	84-5/8	2149	131-3/4	3346
<b>B</b>	43-5/8	1108	67-9/16	1716	82-1/16	2084
<b>C**</b>	80-7/8	2054	80-7/8	2054	128	3251
<b>D**</b>	39-7/8	1013	63-13/16	1621	78-5/16	1989

\*\* C and D are roof opening dimensions if curb area is fully open.

**IMPORTANT NOTE:** Area enclosed by roof curb must comply with clearance to combustible materials. If the roof is constructed of combustible materials, area within the roof curb must be ventilated; left open, or covered with non-combustible material which has an "R" value of at least 5. If area within curb is left open, higher radiated sound levels may result.

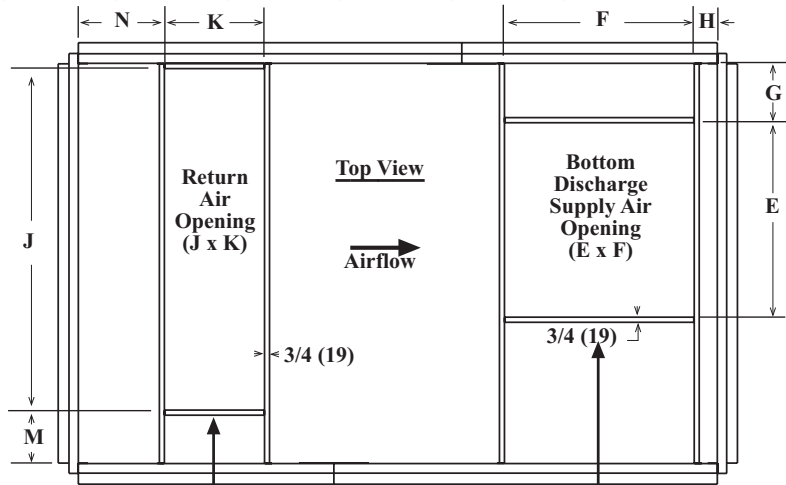


### Roof Curb Duct Opening Dimensions

Sizes		E	F	G	H	J	K	M	N
<b>RDF-1</b>	inches	23-11/32	20-1/8	5	10-1/4	25-1/2	11-1/2	11-15/32	11-1/32
	mm	593	511	127	260	648	292	291	280
<b>RDF-2</b>	inches	28-13/32	28-11/32	13-15/32	7	54-11/16	17-23/32	8	11-3/32
	mm	722	720	342	178	1389	432	203	282
<b>RDF-3</b>	inches	38	38	11-19/32	4-5/8	66-3/4	20-1/16	10-15/32	17-1/4
	mm	965	965	294	117	1695	510	266	438

### NOTES:

- Drawings are not proportional for all sizes.
- 3/4" (19mm) measurement is the width of the flanges where the roof curb mates with the heater. Surface of flanges must be sealed.
- When cutting duct openings in the roof, cut opening 1" (25mm) larger than duct size opening for installation clearance.



Assembled Dividers for Optional Return Air Ductwork in the Roof Curb  
Field-supplied ductwork may be either "dropped in" from the top resting on the top flange or be attached to the bottom flange, using the dividers as ductwork.

