

**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.

**Replacement Parts**

Applies to:

**RDF Series Direct-Fired  
Makeup Air Heater**



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**See your Factory Distributor for Forms listed below**

**Additional  
Forms**

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

# Rating Plate and Serial No.

## Sample of a Rating Plate

MERCER, PA. USA 16137

ANSI Z83.4/CSA 3.7-2013 NON-RECIRCULATING DIRECT-FIRED INDUSTRIAL AIR HEATER  
 ANSI Z83.4/CSA 3.7-2013 DIRECT INDUSTRIEL ONT TIRE DU RÉCHAUFFEUR D'AIR FOR INDUSTRIAL/COMMERCIAL USE ONLY  
 FOR EITHER INDOOR OR OUTDOOR INSTALLATION  
 INSTALLER À L'INTÉRIEUR OU À L'EXTÉRIEUR

MODEL { A } SERIAL # { computer generated }  
 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

CONCU POUR { X } M<sup>3</sup> CONTRE UNE PRESSION STATIQU EXTERNE DE { W } KPA (PO C.E.) WITH A MAX DISCHARGE TEMP OF { Y } °C AND A MAX TEMP RISE OF { AA } °C AND CANNOT BE USED BELOW -40 °C.

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

MAXIMUM INPUT RATING { R } KW/HR  
 MINIMUM INPUT RATING { S } KW/HR  
 NORMAL MANIFOLD PRESS. { T } KPA  
 MIN GAS INLET PRESS. FOR BURN. ADJ. { U } KPA  
 MAX PERMISSIBLE GAS SUPPLY PRESS. { V } KPA  
 MIN PRESSURE DROP ACROSS BURNER 0.0625 KPA  
 MAX PRESSURE DROP ACROSS BURNER 0.1875 KPA  
 CLEARANCES TO COMBUSTIBLES: TOP, BOTTOM, AND SIDE OPPOSITE CONTROLS - 1 INCH. FOR SERVICE ON CONTROL SIDE OF UNIT - WIDTH OF UNIT

## Rating Plate Codes:

- A = Model No.
- B = Gas Type (Nat or LP)
- C = Motor HP
- D = Voltage
- E = Phase
- F = Maximum Total Input Amps for Unit
- G = SCFM
- H = ESP ("w.c.)
- I = CFM
- J = Maximum Input (BTU/HR)
- K = Minimum Input (BTU/HR)
- L = Manifold Pressure ("w.c.)
- M = Minimum Inlet Pressure ("w.c.)
- N = Maximum Supply Pressure (PSI.)
- P = Wiring Diagram No.
- Q = Maximum Discharge Temperature (°F)
- R = Maximum Input (kw/HR)
- S = Minimum Input (kw/HR)
- T = Manifold Pressure (KPA.)
- U = Minimum Inlet Pressure (KPA.)
- V = Maximum Supply Pressure (KPA.)
- W = ESP.(KPA)
- X = M<sup>3</sup>
- Y = Maximum Discharge Temperature (°C)
- Z = Maximum Temperature Rise (°F)
- AA = Maximum Temperature Rise (°C)

## Serial No. Example:

BLJ	82	V1	N	12345	CA	MV7
1	2	3	4	5	6	7

- Codes:**
- 1 = Date of manufacture (see chart below)
  - 2 = Type of pilot
  - 3 = Type of valve (See Form P-Valves)
  - 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; MVC = Maxitrol A200)

## Serial No. Example - ALL Models **AFTER** June, 2015

BOG	3060	000000
1	2	3

- Codes:**
- 1 = Date of Manufacture (See table below.)
  - 2 = Plant of Manufacture (3060 = Mercer; 3062 = Monterrey)
  - 3 = Consecutive number

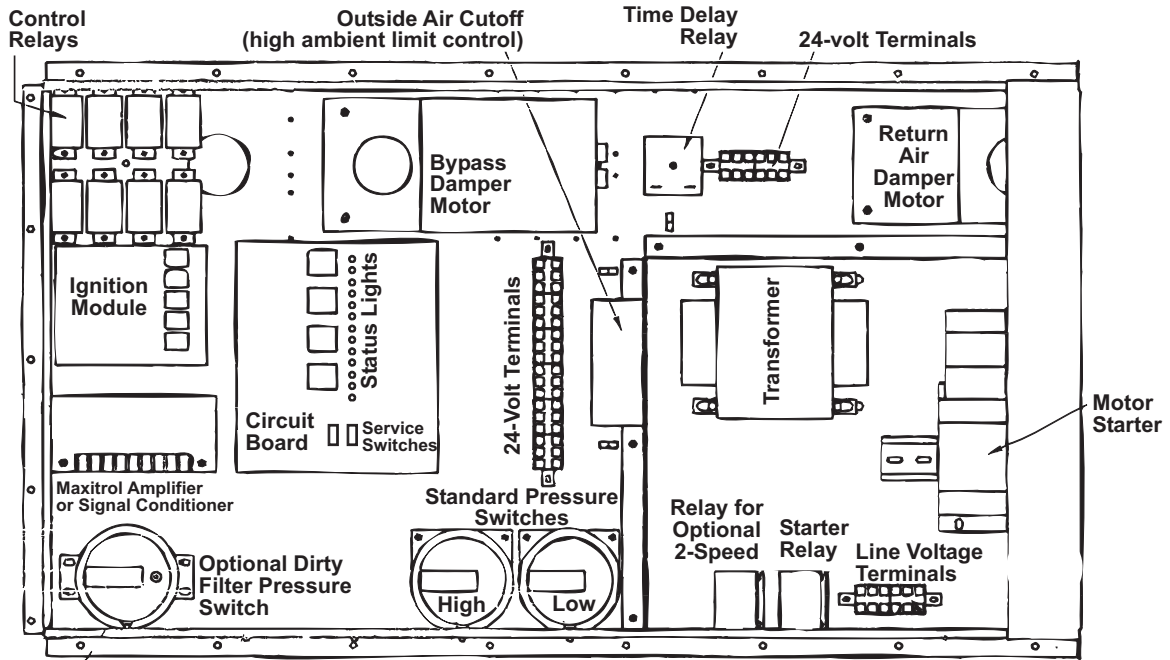
## First Element of the Serial Number - Date of Manufacture

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
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
2016	BPA	BPB	BPC	BPD	BPE	BPF	BPG	BPH	BPI	BPJ	BPK	BPL
2017	BQA	BQB	BQC	BQD	BQE	BQF	BQG	BQH	BQI	BQJ	BQK	BQL
2018	BRA	BRB	BRC	BRD	BRE	BRF	BRG	BRH	BRI	BRJ	BRK	BRL
2019	BSA	BSB	BSC	BSD	BSE	BSF	BSG	BSH	BSI	BSJ	BSK	BSL
2020	BTA	BTB	BTC	BTD	BTE	BTF	BTG	BTH	BTI	BTJ	BTK	BTL

# Electrical Control Compartment Typical Component Locations

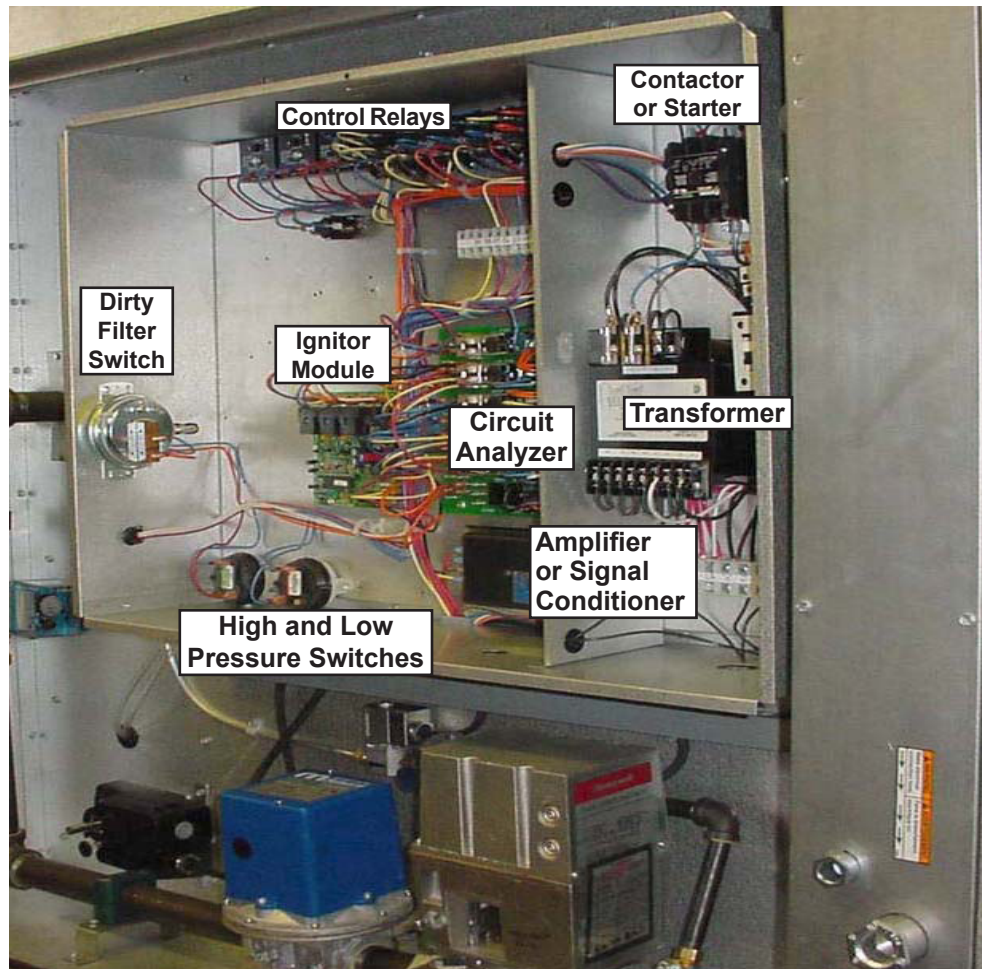
See below and the following pages for P/N's and illustrations.

**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
1	Relay, SP-ST or SP-DT, 24V Coil	Relay	Units manufactured after 8/11
		Relay Socket Base	
	Relay, SP-ST or SPDT, 120V Coil	Relay	Units manufactured after 8/11
		Relay Socket Base	
Replacement Kit for units mfgd prior to 8/11 (replaces P/N's 14747, 18549, 98118, and 103317)		Control Compartment	211411 89615 263527
Replacement Kit for units mfgd prior to 8/11 (replaces P/N's 103318 & 103319)		Control Compartment	211414 211415 263530
2	Time Delay Relay (Low Fire), 24V Coil, Thermodisc #F12S20, Style 305139	Control Compartment	89254
3	Time Delay Relay (for freezestat bypass), T&B Agastst #VTM1ULA	Control Compartment	89661
4	Prepurge Time Delay Relay, 24V Coil, Thermodisc #12S20	Control Compartment	52887
5	Relay, 24V Coil, Essex #91-102006-1300	Control Compartment	110656
6	Manual Reset Limit, Thermodisc 330545, L150	Blower Discharge	82610
7	Automatic Limit, L135, Thermodisc #60T11-312616	Blower Discharge	86979
8	Outside Air Cutoff (High Ambient Limit) & Freezestat, J/C #A19AAF-12C	Control Compartment	126170
9	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 #Q624A1014	Control Compartment	86974
15	Low Air Pressure Switch Kit, (terms, .20" switch) - For units manufactured prior to 1/2003	Control Compartment	193806
15A	Low Air Pressure Switch ONLY, .25"wc setting - For units manufactured after 1/2003	Control Compartment	203932
16	High Air Pressure Switch Kit, (terminals, .90" switch) - For units manufactured prior to 1/2003	Control Compartment	193807
16A	High Air Pressure Switch, ONLY .75"wc setting - For units manufactured after 1/2003	Control Compartment	203933
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 ONLY, .65"wc setting - For use with AR19, 20, 22 or 23	Control Compartment	207177
	Air Pressure Switch Kit, (wires, terminals, .65" switch) - For use with AR19, 20, 22 or 23		193809
20B	Air Pressure Switch ONLY, .50"wc setting - For use with AR19, 20, 22 or 23	Control Compartment	207179
	Air Pressure Switch, (wires, terminals, .50"wc switch) - For use with AR19, 20, 22 or 23		193808
21	Contact, HCC-2XQ01AA, 24V (used with Option BM80 and BM81 manifold)	Control Compartment	203935
22	Diagnostic Circuit Analyzer Board	Control Compartment	151263
22A	Replacement Bulb for Circuit Analyzer Board, RDF Series 3		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, replaced with CODE 27B - effective Aug., 2012	Control Compartment	---
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 1 - Relay and Socket Base</b> 	<b>CODE 2 - Time Delay Relay (Low Fire), P/N 89254</b>  (On units mfgd prior to 3/96)	<b>CODE 3 - Time Delay Relay (Freezestat), P/N 89661</b> 	<b>CODE 4 - Prepurge Time Delay Relay, P/N 52887</b> 
<b>CODE 5 - Relay, P/N 110656</b> 		<b>CODE 6 - Limit Switch, P/N 82610</b> 	<b>CODE 7 - Limit, P/N 86979 (Automatic Reset)</b> 
<b>CODE 8, - Adjustable Outside Air Cutoff Control and Freezestat, P/N 126170</b>  (Replaces P/N 16108)	<b>Grommet Clamp, P/N 131993; Cable Clamp, P/N 132065</b> 	<b>CODE 9 - ECO Limit, P/N 82414</b> 	<b>CODE 13 - Firestat, P/N 42782</b> 
		<b>CODE 14 - Spark Generator, P/N 86974 (On units mfgd prior to 3/96)</b> 	



**CODE 15 - Low Air Pressure Switch, P/N 207178**  
 Replace pressure switch P/N 86986 with Kit P/N 193806.  
**CODE 16 - High Air Pressure Switch, P/N 207176**  
 Replace pressure switch P/N 86987 with Kit P/N 193807.



**CODE 20A - Air Pressure Switch, P/N 207177** (used in Opts AR 19-23)  
 (Replace pressure switch P/N 87250 with Kit P/N 193809.)

**CODE 17 - Tee for Air Pressure Tubing, P/N 87482**

**CODE 18A - Clear Plastic Tubing, P/N 102401 (36")**

**CODE 18B - Yellow Plastic Tubing, P/N 122855 (14")**

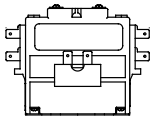


**CODE 20B - Air Pressure Switch, P/N 207179**

(used in Opts AR19-23)

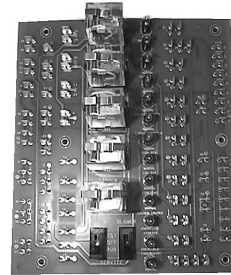
(Replace pressure switch P/N 87249 with Kit P/N 193808.)

**CODE 21 - Contactor, 24V, (used with Option BM80 and BM81 manifold, P/N 203935**

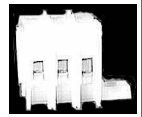


**CODE 22 - Circuit Analyzer Board, P/N 151263** (Std beginning with RDF Series 3. Option BS2 prior to Series 3.)

**CODE 22A, Replacement Lights for Circuit Analyzer Board - P/N 125189**  
**Series 3; prior to Series 3, P/N 101889**  
**CODE 22B, Replacement Relay for Board, P/N 151271**



**CODE 23 - Terminal Block, P/N 144972**



**CODE 24 - Terminal Block Adapter, P/N 144973**



**CODE 25 - Convenience Outlet Receptacle, P/N 96912**



**CODE 26A - Dirty Filter Pressure Switch, P/N 105507**



**CODE 26B - Clear Plastic Tubing, 3/16", P/N 179302**

**CODE 29 - Transformers**  
 See P/N's in table below.



40VA



200-500 VA

**Fuseholders and Fuses**

**CODE 27A - Fuseholder, Replaced with CODE 27B**

**CODE 27B - Fuseholder, P/N 60241**  
 (used with spark ignition)

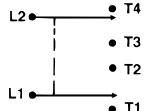


**CODE 28 - Fuse**

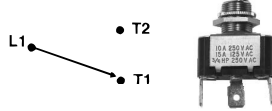


Description	P/N	Description	P/N
2.5 Amp, #3210 (spark ignition)	61542	Bussman FRN-R175	91595
Bussman FRN-R15, 230/1	14667	Bussman FRS-R3.5, 460/3	89266
Bussman FRN-R30, 208/230/3	31892	Bussman FRS-R8, 460/3	89268
Bussman FRN-R10, 208/3	89265	Bussman FRS-R5, 460/3	89267
Bussman FRN-R7, 230/3	16207	Bussman FRS-R15, 460/3	87638
Bussman FRN-R25, 208/3	45054	Bussman FRS25	31891
Bussman FRN-R60	31895	Bussman FRS-R40	89936
Bussman FRN-R50	87957	8 Amp, Fusetron 3AG-8 (hot surface ignition)	38636
Bussman FRN-R90	89931	5 Amp, Fusetron MDL 3AG	90335
Bussman FRN-R150	91077		

**CODE 30 - DPDT System Switch, P/N 101900**  
 (winter/off/summer)



**CODE 31 - DPDT System Switch, P/N 101901**  
 (service switch)



**CODE 32 - Potentiometer, P/N 16011**

(remote damper motor control in Options AR 19 & 22)



**CODE 33 - Null Pressure Switch, P/N 88052**

(remote damper motor control in Air Control Options AR 20 & 23)



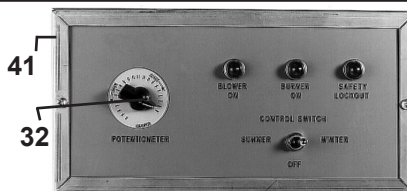
**CODE 34 - Photohelic Pressure Sensor, P/N 158893**  
 (remote damper motor control in Opts AR36&37)



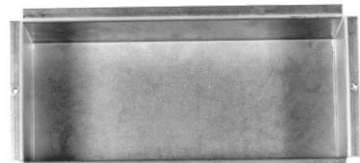
Volts In	Volts Out	VA	Manufacturer's No.	P/N
120/240	24	250	TB1-81146 (used with hot surface ignition)	38634
120	24	40	Basler #BE141650-WAA (Used w/spark ignition) (2 required to replace P/N 61806)	103055
120	24	500	Hevi-Duty T500E	159842
208/240	24	40	Basler #BE21539001 (2 required to replace P/N 61807)	103497
208/230/460	24	500	Hevi-Duty T500CK	159843
208/230/460/575	110	275	C0275KAU E5E	105202
208	110	500	Hevi-Duty #2227003T00	86998
208	24	200	Hevi-Duty #2223034T00	39094
208/240/480/575	24	200	C0200KAT	39095
230/460	110	500	Hevi-Duty #2227001T00	86997
208/240/480/575	24	200	Heavy Duty #2123105t00	39095
208/240/480/575	120	275	Eaton #C0275KAU	105202
460	24	40	Basler #BE23975001 (2 required to replace P/N 61808)	103498

**CODE 35 - Sampling Tube only for Code 34, P/N 159714**

**Remote Console**  
 (Note: Console height changed 10/01.)



**CODE 40 - Console Box**



See P/N's and dimensions on the top of page 6.

## Remote Console (cont'd)

Replacement Components		
CODE	Description	P/N
40	Remote Console Box 10-9/16"x7-1/4"x2-5/8"	107010
	Remote Console Box 15-9/16"x7-1/4"x 2-5/8"	107011
41	Mounting Ring for 10-1/16" long box	107014
	Mounting Ring for 15-1/16" long box	107015
42	Light w/red lens, Solico 5TD1L-R-B5	101889
	Bushing for installing light above on old-style console	106747
31, pg 5	DPDT Switch, Cutler Hammer #7561K6	101900
32, pg 5	Potentiometer, Honeywell 112894FA	16110
94, pg 14	Temperature Selector, Option AG 30, 31	86988 or 101165
	Temperature Selector, Opt AG32	87101
	Temperature Selector, Opt AG33	86990
	Temperature Selector, Opt AG47	204455
	Temperature Selector, Opt AG 8, 51	204451

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

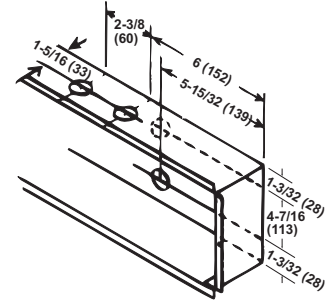
Control Switch	Qty of Lights*	** Temperature Selector or Sensor	Potentiometer ***	Dimensions (inches)		
				L****	H****	D
Yes	3	Yes	No	10-13/16	7-3/8	2-5/8
Yes	3	No	No	10-13/16	7-3/8	2-5/8
Yes	3	Yes	Yes	15-13/16	7-3/8	2-5/8
Yes	3	No	Yes	10-13/16	7-3/8	2-5/8
Yes	4	Yes	No	15-13/16	7-3/8	2-5/8
Yes	4	No	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 43 - OUTDOOR Disconnect Switches	USA Only		Canada Only	
	Opt	P/N	Opt	P/N
30 Amp, 240V, Non-Fusible	CP5	40269	--	--
30 Amp, 240V, Fusible	CP6	87147	--	--
30 Amp, 600V, Non-Fusible	CP7	50367	CP59	208054
30 Amp, 600V, Fusible	CP8	50368	CP42	208046
60 Amp, 240V, Non-Fusible	CP30	161469	--	--
60 Amp, 240V, Fusible	CP17	89932	--	--
60 Amp, 600V, Non-Fusible	CP38	155012	CP61	208056
60 Amp, 600V, Fusible	CP20	90974	CP44	208048
100 Amp, 240V, Non-Fusible	CP31	162834	--	--
100 Amp, 240V, Fusible	CP18	90973	--	--
100 Amp, 600V, Non-Fusible	CP39	155013	CP63	208058
100 Amp, 600V, Fusible	CP36	155010	CP46	208050
200 Amp, 240V, Non-Fusible	CP32	155007	--	--
200 Amp, 240V, Fusible	CP19	91076	--	--
200 Amp, 600V, Non-Fusible	CP40	155014	CP65	208060
200 Amp, 600V, Fusible	CP37	155011	CP48	208052



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 & 230/1	1/4 to 3	30	CP6	CP5	CP42	CP59
	5 to 10	60	CP17	CP30	CP44	CP61
208/3 & 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
	30	200	CP19	CP32	CP48	CP65
460/3 & 575/3	1/4 to 15	30	CP8	CP7	CP42	CP59
	20 to 30	60	CP20	CP38	CP44	CP61

CODE 44 - INDOOR Disconnect Switches	USA Only		Canada Only	
	Opt	P/N	Opt	P/N
30 Amp, 240V, Non-Fusible	CP1	40267	--	--
30 Amp, 240V, Fusible	CP2	40268	--	--
30 Amp, 600V, Non-Fusible	CP3	50365	CP58	208053
30 Amp, 600V, Fusible	CP4	50366	CP41	208045
60 Amp, 240V, Non-Fusible	CP21	161462	--	--
60 Amp, 240V, Fusible	CP17	89932*	--	--
60 Amp, 600V, Non-Fusible	CP23	161464	CP60	208055
60 Amp, 600V, Fusible	CP20	90974*	CP43	208047
100 Amp, 240V, Non-Fusible	CP22	161463	--	--
100 Amp, 240V, Fusible	CP18	90973*	--	--
100 Amp, 600V, Non-Fusible	CP24	164330	CP62	208057
100 Amp, 600V, Fusible	CP36	155010*	CP45	208049
200 Amp, 240V, Non-Fusible	CP26	155005	--	--
200 Amp, 240V, Fusible	CP19	91076*	--	--
200 Amp, 600V, Non-Fusible	CP35	155009	CP64	208059
200 Amp, 600V, Fusible	CP37	155011*	CP47	208051

"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
	30	200	CP29	CP26	CP47	CP64
460/3 and 575/3	1/4 to 15	30	CP4	CP3	CP41	CP58
	20 to 30	60	CP33	CP23	CP43	CP60

\* Actually an outdoor switch.

# Blower Motors, Contactor, and Starters

**CODE 46**

**Motor Contactor (Option AN2)**  
(Located in the electrical compartment.)

**CODES 47A&B and 50 - Starter (Option AN10)**

**Starter Contactor**      **Starter Overload**

**CODE 45 - Blower Motor** - Motors in the table below that do not have a CODE 46 contactor listed do not have internal overload protection and **MUST** be used with the CODE 47 motor starter and starter overload. If a CODE 46 contactor is listed, motor may be used with either the contactor or an optional starter and overload.

**CODE 46 - Motor Contactor (Option AN2), P/N 216386**

**CODES 47A & 47B - Replacement Starter Contactor (with 24 volt coil) used beginning 9/03 (Serial No. Code BCI) and Overloads (Option AN10)**

When ordering a replacement IEC starter contactor or overload, check the manufacturer's number on both parts. If the numbers are different than that listed, both components must be replaced. Replacement coils (**CODE 51**) are on page 11.

**NOTE:** For starter contactor with line voltage coil, see **CODE 50** on page 10.

## Blower Motors, Contactor, & Starters w/24V Coil (units mfgd beginning 9/03; Serial No. Date Code BCI)

Type	hp	CODE 45 - Motor				Shaft	volt	ph	Service Factor	Power Factor	EFF.	CODE 47A - Starter Contactor w/24 volt coil		CODE 47B - Starter Overload				CODE 46 - Contactor (Option AN2)	
		P/N	Mfr No.	Frame	fla							Mfr No.	P/N	min	max	GE #	P/N	Mfr No.	P/N
Open	1/2	102627	AO-BF2054	56Z	8.8	5/8"	120	1	1.2			CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	HCC-3XQOICY	216386
Open		102627	AO-BF2054	56Z	5.1	5/8"	208	1	1.2			CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
Open		102627	AO-BF2054	56Z	4.4	5/8"	240	1	1.2			CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
Open		159183	AO-H880	LA56	2.5	5/8"	208	3	1.3			CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	HCC-3XQOICY	216386
Open		159183	AO-H880	LA56	3.0	5/8"	240	3	1.3			CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open		159183	AO-H880	LA56	1.5	5/8"	480	3	1.3			CL00A310T-1	151275	1.3	1.9	RTA1-H	151188	HCC-3XQOICY	216386
Open	3/4	202089	AOS - H991	H56	0.9	5/8"	575	3	1.3			CL00A310T-1	151275	0.7	1.1	RTA1-G	151186	=====	=====
Open		93548	AO-312P629	B56	11.0	5/8"	120	1	1.3			CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	216386
Open		93548	AO-312P629	B56	6.3	5/8"	208	1	1.3			CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open		93548	AO-312P629	B56	5.5	5/8"	240	1	1.3			CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
Open		36951	AO-312P696	D56	2.9	5/8"	208	3	1.3			CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open		36951	AO-312P696	D56	2.6	5/8"	240	3	1.3			CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open	1	36951	AO-312P696	D56	1.3	5/8"	480	3	1.3			CL00A310T-1	151275	1.0	1.5	RTA1-G	151187	HCC-3XQOICY	216386
Open		202090	AOS - H992	H56	1.0	5/8"	575	3	1.3			CL00A310T-1	151275	0.7	1.1	RTA1-F	151186	=====	=====
Open		13685	AO-C523	H56	13.0	5/8"	120	1	1.3			CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	216386
Open		13685	AO-C523	H56	7.5	5/8"	208	1	1.3			CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open		13685	AO-C523	H56	6.5	5/8"	240	1	1.3			CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open		36580	AO-H882	F56	3.7	5/8"	208	3	1.2		79%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open	1.5	36580	AO-H882	F56	3.2	5/8"	240	3	1.2		79%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open		36580	AO-H882	F56	1.6	5/8"	480	3	1.2		79%	CL00A310T-1	151275	1.3	1.9	RTA1-H	151188	HCC-3XQOICY	216386
Open		158175	AO-E1006	N143T	1.1	7/8"	575	3	1.2		82.5%	CL00A310T-1	151275	1.0	1.5	RTA1-G	151187	=====	=====
Open		194202	AO-C621	56	15.0	5/8"	120	1	1.2	86.4	77.2%	CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	216386
Open		194202	AO-C621	56	7.8	5/8"	208	1	1.2	86.4	77.2%	CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open		194202	AO-C621	56	7.5	5/8"	240	1	1.2	86.4	77.2%	CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open	2	115859	AO-H884	UA56	5.6	5/8"	208	3	1.2	66.4	78.6%	CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
Open		115859	AO-H884	UA56	5.0	5/8"	240	3	1.2	66.4	78.6%	CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
Open		115859	AO-H884	UA56	2.8	5/8"	480	3	1.2	66.4	78.6%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open		158162	AO-E1007	R145T	1.6	7/8"	575	3	1.2	85.3	84.0%	CL00A310T-1	151275	1.3	1.9	RTA1-H	151188	=====	=====
Open		202581	AO-RB1204A	56H	24.6	5/8"	120	1				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	HCC-3XQOICY	216386
Open		202581	AO-RB1204A	56H	12.3	5/8"	208	1				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	216386
Open	3	202581	AO-RB1204A	56H	12.3	5/8"	240	1				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	216386
Open		159327	AO-H886	56HZ	7.0	7/8"	208	3	1.2	67	79%	CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open		159327	AO-H886	56HZ	6.6	7/8"	240	3	1.2	67	79%	CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
Open		159327	AO-H886	56HZ	3.5	7/8"	480	3	1.2	67	79%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
Open		158176	AO-E1008	P145T	2.1	7/8"	575	3	1.2	86	84.0%	CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	=====	=====
Open		111560	AO-B735	L56	12.4	5/8"	230	1	1.2			CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
Open	5	111560	AO-B735	L56	12.4	5/8"	230	1	1.2			CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
Open		159185	AO-H845	P56HZ	9.0	7/8"	208	3	1.2			CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	HCC-3XQOICY	216386
Open		159185	AO-H845	P56HZ	8.6	7/8"	240	3	1.2			CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	HCC-3XQOICY	216386
Open		159185	AO-H845	P56HZ	4.3	7/8"	480	3	1.2			CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
Open		120019	AO-H954	N56HZ	3.6	7/8"	575	3	1.2	80.3	83.8%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
Open		111562	AO-V211	L184T	28.3	1-1/8"	208	1				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
Open	7.5	111562	AO-V211	L184T	25.6	1-1/8"	240	1				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
Open		113371	AO-196033	Y56HZ	13.4	7/8"	208	3	1.2	87.2	85%	CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
Open		113371	AO-196033	Y56HZ	13.2	7/8"	240	3	1.2	87.2	85%	CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
Open		113371	AO-196033	Y56HZ	6.6	7/8"	480	3	1.2	87.2	85%	CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
Open		120020	AO-H956	Y56HZ	5.4	7/8"	575	3	1.2	85.9	85.3%	CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
Open		105828	AO-V305	S215T	35.4	1-3/8"	208	1				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
Open	7.5	105828	AO-V305	S215T	32.0	1-3/8"	230	1				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
Open		105855	AO-E300	213T	22.5	1-3/8"	208	3				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====
Open		105855	AO-E300	213T	19.4	1-3/8"	240	3				CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
Open		105855	AO-E300	213T	9.7	1-3/8"	480	3				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	=====	=====
Open		158164	AO-E324	S213T	7.8	1-3/8"	575	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====

**Blower Motors, Contactor, & Starters w/24V Coil (units mfgd beginning 9/03; Serial No. Code BCI) (cont'd)**

CODE 45 - Motor						Shaft	volt	ph	Service Factor	Power Factor	EFF.	CODE 47A - Starter Contactor w/24 volt coil		CODE 47B - Starter Overload				CODE 46 - Motor Contactor (Option AN2)	
Type	hp	P/N	Mfr No.	Frame	fla							Mfr No.	P/N	min	max	GE #	P/N	Mfr No.	P/N
Open	10	105830	AO-V303	S215T	42.0	1-3/8"	208	1				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
Open		105830	AO-V303	S215T	38.0	1-3/8"	230	1				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
Open		105858	AO-E301	215T	31.0	1-3/8"	208	3				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
Open		105858	AO-E301	215T	26.0	1-3/8"	240	3				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
Open		105858	AO-E301	215T	13.0	1-3/8"	480	3				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
Open		158163	AO-E325	S215T	10.4	1-3/8"	575	3				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
Open	15	142287	B-FM2513T-8-F2	254T	43.1	1-5/8"	208	3				CL06A311M-1	203687	42.0	55.0	RTA2-G	151202	=====	=====
Open		142288	BALD-FM2523T	254T	39.0	1-5/8"	240	3				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
Open		142288	BALD-FM2523T	254T	19.5	1-5/8"	480	3				CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
Open		142289	B-EFM2513T-5-F2	254T	16.0	1-5/8"	575	3				CL02A310T-1	151277	14.5	18.0	RTA1-S	151196	=====	=====
Open	20	142295	B-FM2515T-8-F2	256T	58.7	1-5/8"	208	3	1.2	80	88.5%	CL07A311M-1	203793	54.0	65.0	RTA2-H	151203	=====	=====
Open		142296	BAL-FM2515T-F2	256T	53.0	1-5/8"	240	3	1.2	81	88.5%	CL07A311M-1	203793	42.0	55.0	RTA2-G	151202	=====	=====
Open		142296	BAL-FM2515T-F2	256T	26.5	1-5/8"	480	3	1.2	81	88.5%	CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
Open		142297	B-FM2515T-5-F2	256T	21.2	1-5/8"	575	3	1.2	80	88.5%	CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
Open	25	159021	E545-F2	S284T	69.8	1-7/8"	208	3	1.15	84.1	91.70%	CL09A311M-1	203794	64.00	82.00	RTA2-j	151204	=====	=====
Open		159022	E546-F2	S284T	60.6	1-7/8"	240	3	1.15	84.1	91.70%	CL07A311M-1	203793	54.00	65.00	RTA2-H	151203	=====	=====
Open		159022	E546-F2	S284T	30.3	1-7/8"	480	3	1.15	84.1	91.70%	CL04A310M-1	151279	25.00	32.00	RTA1-V	151199	=====	=====
Open		159023	E594-F2	S284T	24.3	1-7/8"	575	3	1.15	84.1	91.70%	CL04A310M-1	151279	21.00	26.00	RTA1-U	151198	=====	=====
Open	30	159024	E547-F2	S286T	78.0	1-7/8"	208	3	1.15	81	92.40%	CL09A311M-1	203794	64.00	82.00	RT2-J	151204	=====	=====
Open		159025	E548-F2	S286T	75.0	1-7/8"	240	3	1.15	81	92.40%	CL09A311M-1	203794	64.00	82.00	RT2-J	151204	=====	=====
Open		159025	E548-F2	S286T	37.5	1-7/8"	480	3	1.15	81	92.40%	CL06A311M-1	203687	30.00	43.00	RTA2-E	151206	=====	=====
Open		159026	E595-F2	S286T	30.0	1-7/8"	575	3	1.15	81	92.40%	CL04A310M-1	151279	25.00	32.00	RTA1-V	151199	=====	=====
TEFC	1/2	159184	AO-C613	J56	7.2	5/8"	120	1				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
TEFC		159184	AO-C613	J56	3.5	5/8"	208	1				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
TEFC		159184	AO-C613	J56	3.6	5/8"	240	1				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
TEFC		16077	AO-H274	H56	2.3	5/8"	208	3	1	59.5	74.8%	CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	HCC-3XQOICY	216386
TEFC		16077	AO-H274	H56	2.0	5/8"	240	3	1	59.5	74.8%	CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	HCC-3XQOICY	216386
TEFC		16077	AO-H274	H56	1.0	5/8"	480	3	1	59.5	74.8%	CL00A310T-1	151275	0.7	1.1	RTA1-F	151186	HCC-3XQOICY	216386
TEFC	3/4	105568	AO-H276	J56	0.7	5/8"	575	3	1.2	76.4	77%	CL00A310T-1	151275	0.7	1.1	RTA1-F	151186	=====	=====
TEFC		115860	AO-F353	F56	11.0	5/8"	120	1				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	216386
TEFC		115860	AO-F353	F56	5.4	5/8"	208	1				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
TEFC		159184	AO-F353	F56	5.5	5/8"	240	1				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
TEFC		20371	AO-H580	KA56	2.0	5/8"	208	3	1	73.5	81.1%	CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	HCC-3XQOICY	216386
TEFC		20371	AO-H580	KA56	2.2	5/8"	240	3	1	73.5	81.1%	CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	HCC-3XQOICY	216386
TEFC	1	20371	AO-H580	KA56	1.1	5/8"	480	3	1	73.5	81.1%	CL00A310T-1	151275	1.0	1.5	RTA1-G	151187	HCC-3XQOICY	216386
TEFC		105569	AO-H461	L56	0.8	5/8"	575	3	1.2	78.3	82%	CL00A310T-1	151275	0.7	1.1	RTA1-F	151186	=====	=====
TEFC		174993	AO-159105	L56	12.0	5/8"	120	1				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	HCC-3XQOICY	=====
TEFC		174993	AO-159105	L56	6.2	5/8"	208	1				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
TEFC		174993	AO-159105	L56	6.0	5/8"	240	1				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
TEFC		16080	AO-H524	J56	3.3	5/8"	208	3	1	74.4	80.2%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
TEFC	1.5	16080	AO-H524	J56	3.4	5/8"	240	3	1	74.4	80.2%	CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	HCC-3XQOICY	216386
TEFC		16080	AO-H524	J56	1.7	5/8"	480	3	1	74.4	80.2%	CL00A310T-1	151275	1.3	1.9	RTA1-K	151188	HCC-3XQOICY	216386
TEFC		105570	AO-H525	H56	1.4	5/8"	575	3	1.2	71.6	80.4%	CL00A310T-1	151275	1.0	1.5	RTA1-H	151187	=====	=====
TEFC		94347	AO-311P402	TK56H	16.4	5/8"	120	1				CL02A310T-1	151277	14.5	18.0	RTA1-S	151196	HCC-3XQOICY	216386
TEFC		94347	AO-311P402	TK56H	9.5	5/8"	208	1				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	HCC-3XQOICY	216386
TEFC		94347	AO-311P402	TK56H	8.2	5/8"	240	1				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	HCC-3XQOICY	216386
TEFC	2	101286	AO-H535	L56H	4.3	5/8"	208	3	1	80.9	82.4%	CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
TEFC		101286	AO-H535	L56H	4.4	5/8"	240	3	1	80.9	82.4%	CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	HCC-3XQOICY	216386
TEFC		101286	AO-H535	L56H	2.2	5/8"	480	3	1	80.9	82.4%	CL00A310T-1	151275	1.8	2.7	RTA1-J	151189	HCC-3XQOICY	216386
TEFC		105665	AO-E127	M145T	1.6	7/8"	575	3	1.2	85.7	84%	CL00A310T-1	151275	1.3	1.9	RTA1-H	151188	=====	=====
TEFC		105572	AO-K200	F182T	24	1-1/8"	120	1				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====
TEFC		205881	L3516TM	56HZ	8.3	7/8"	240	1	1.2	99	78%	CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	HCC-3XQOICY	216386
TEFC	3	158165	AO-E166	145T	7.0	7/8"	208	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
TEFC		158165	AO-E166	145T	5.8	7/8"	240	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
TEFC		158165	AO-E166	145T	2.9	7/8"	480	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
TEFC		158166	AO-E169	145T	2.3	7/8"	575	3				CL00A310T-1	151275	1.9	2.7	RTA1-J	151189	=====	=====
TEFC		111564	AO-K222	F184T	30.0	1-1/8"	120	1				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
TEFC		111564	AO-K222	F184T	15.0	1-1/8"	240	1				CL02A310T-1	151277	14.5	18.0	RTA1-S	151196	=====	=====
TEFC	5	159330	B - M3559T	145T	7.9	7/8"	208	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
TEFC		159330	B - M3559T	145T	7.2	7/8"	240	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
TEFC		159330	B - M3559T	145T	3.6	7/8"	480	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
TEFC		111571	B-M3559T-5	145T	3	7/8"	575	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
TEFC		111567	AO-K223	F184T	20.2	1-1/8"	240	1				CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
TEFC		155048	AO-E241	184T	16	1-1/8"	208	3				CL02A310T-1	151277	14.5	18.0	RTA1-S	151196	=====	=====
TEFC	7.5	155048	AO-E241	184T	12	1-1/8"	240	3				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
TEFC		155048	AO-E241	184T	6	1-1/8"	480	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
TEFC		158170	AO-E273	184T	4	1-1/8"	575	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
TEFC		105842	AO-K305	F215T	34	1-3/8"	240	1				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
TEFC	158171	AO-E356	213T	24	1-3/8"	208	3				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====	

CODE 45 - Motor						Shaft	volt	ph	Service Factor	Power Factor	EFF.	CODE 47A - Starter Contactor w/24 volt coil		CODE 47B - Starter Overload				CODE 46 - Motor Contactor (Option AN2)	
Type	hp	P/N	Mfr No.	Frame	fla							Mfr No.	P/N	min	max	GE #	P/N	Mfr No.	P/N
TEFC	7.5	158171	AO-E356	213T	19	1-3/8"	240	3				CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
TEFC		158171	AO-E356	213T	9.5	1-3/8"	480	3				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	=====	=====
TEFC		158172	AO-E364	213T	7.6	1-3/8"	575	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
TEFC	10	105846	AO-K313	215T	39	1-3/8"	240	1				CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
TEFC		158173	AO-E357	215T	30	1-3/8"	208	3				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
TEFC		158173	AO-E357	215T	26	1-3/8"	240	3				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====
TEFC		158173	AO-E357	215T	13	1-3/8"	480	3				CL02A310T-1	151277	10.0	16.0	RTA1-P	151194	=====	=====
TEFC		158174	AO-E365	215T	9.6	1-3/8"	575	3				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	=====	=====
TEFC	15	142443	BAL-FM2333T	254T	38	1-5/8"	240	3	1.2	82	90.2%	CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
TEFC		142443	BAL-FM2333T	254T	19	1-5/8"	480	3	1.2	82	90.2%	CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
TEFC		142444	B-FM2333-5	254T	15	1-5/8"	575	3	1.2	82	90.2%	CL02A310T-1	151277	10.0	16.0	RTA1-P	151194	=====	=====
TEFC	20	142301	BAL-FM2334T	256T	52	1-5/8"	240	3	1.2	81	89.5%	CL07A311M-1	203793	42.0	55.0	RTA2-G	151202	=====	=====
TEFC		142301	BAL-FM2334T	256T	26	1-5/8"	480	3	1.2	81	89.5%	CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
TEFC		142302	B-FM2334T-5	256T	20.6	1-5/8"	575	3	1.2	81	89.5%	CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
EE	1	105659	AO-E103	N143T	3.1	7/8"	208	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
EE		159328	AO-E1015	143T	2.7	7/8"	240	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
EE		159328	AO-E1015	143T	1.4	7/8"	480	3				CL00A310T-1	151275	1.0	1.5	RTA1-G	151187	=====	=====
EE		158175	AO-E1006	N143T	1.1	7/8"	575	3				CL00A310T-1	151275	1.0	1.5	RTA1-G	151187	=====	=====
EE	1.5	105662	AO-E104	P145T	4.5	7/8"	208	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
EE		159329	AO-E1016	145T	3.9	7/8"	240	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
EE		159329	AO-E1016	145T	2.0	7/8"	480	3				CL00A310T-1	151275	1.9	2.7	RTA1-J	151189	=====	=====
EE	2	158162	AO-E1007	R145T	1.6	7/8"	575	3				CL00A310T-1	151275	1.3	1.9	RTA1-H	151188	=====	=====
EE		105664	AO-E105	P145T	6.0	7/8"	208	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
EE		159027	AO-E1017	145T	5.8	7/8"	240	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
EE		159027	AO-E1017	145T	2.9	7/8"	480	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
EE	3	158176	AO-E1008	P145T	2.1	7/8"	575	3				CL00A310T-1	151275	1.9	2.7	RTA1-J	151189	=====	=====
EE		159186	B-35L405S489G3	145T	8.3	7/8"	208	3				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	=====	=====
EE		159028	B-EM3158T	145T	7.4	7/8"	240	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
EE		159028	B-EM3158T	145T	3.7	7/8"	480	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
EE	5	159030	B-35L405S709G1	145T	3.0	7/8"	575	3				CL00A310T-1	151275	2.5	4.1	RTA1-K	151190	=====	=====
EE		159029	AO-E204	H182T	13.9	1-1/8"	208	3				CL02A310T-1	151277	10.0	16.0	RTA1-P	151194	=====	=====
EE		159029	AO-E204	H182T	11.6	1-1/8"	240	3				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
EE	7.5	159029	AO-E204	H182T	5.8	1-1/8"	480	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
EE		111602	BAL-M3613T-5	184T	4.8	1-1/8"	575	3				CL00A310T-1	151275	4.0	6.3	RTA1-L	151191	=====	=====
EE		159331	AO-E316	D213T	22.3	1-3/8"	208	3				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====
EE	10	159332	AO-E317	D213T	19.4	1-3/8"	240	3				CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
EE		159332	AO-E317	D213T	9.7	1-3/8"	480	3				CL00A310T-1	151275	8.0	12.0	RTA1-N	151193	=====	=====
EE		158164	AO-E324	S213T	7.8	1-3/8"	575	3				CL00A310T-1	151275	5.5	8.5	RTA1-M	151192	=====	=====
EE	15	159334	AO-E397	H215T	27.8	1-3/8"	208	3				CL04A310M-1	151279	25.0	32.0	RTA1-V	151199	=====	=====
EE		159334	AO-E397	H215T	24.2	1-3/8"	240	3				CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====
EE		159334	AO-E397	H215T	12.1	1-3/8"	480	3				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
EE		158163	AO-E325	S215T	10.4	1-3/8"	575	3				CL01A310T-1	151276	10.0	16.0	RTA1-P	151194	=====	=====
EE	20	142440	B-EFM2513T-8	254T	41.5	1-5/8"	208	3	1.2	84	92.4%	CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
EE		142441	B-EFM2513T	254T	36.0	1-5/8"	240	3	1.2	84	92.4%	CL06A311M-1	203687	30.0	43.0	RTA2-E	151206	=====	=====
EE		142441	B-EFM2513T	254T	18.0	1-5/8"	480	3	1.2	84	92.4%	CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====
EE	20	142289	B-EFM2513T-5-F2	254T	16	1-5/8"	575	3	1.2	84	92.4%	CL02A310T-1	151277	10.0	16.0	RTA1-P	151194	=====	=====
EE		159187	C-E452-F2	S256T	57.0	1-5/8"	208	3	1.2	84	93.6%	CL07A311M-1	203793	54.0	65.0	RTA2-H	151203	=====	=====
EE		142299	B-EFM2515T	256T	48.0	1-5/8"	240	3	1.2	84	93.0%	CL07A311M-1	203793	42.0	55.0	RTA2-G	151202	=====	=====
EE		142299	B-EFM2515T	256T	24.0	1-5/8"	480	3	1.2	84	93.0%	CL04A310M-1	151279	21.0	26.0	RTA1-U	151198	=====	=====
EE		142300	B-EFM2515T-5	256T	19.2	1-5/8"	575	3	1.2	84	93.0%	CL25A310T-1	151278	17.5	22.0	RTA1-T	151197	=====	=====

## Two-Speed Motors and Starters

CODE 48 - 2-Speed Blower Motor										CODE 49 Starter P/N
HP	Motor Frame	Shaft Dia	Mfr No.	Overload		Mfr No.	P/N	V	PH	
				High Speed	Low Speed					
1-44	M145T	7/8	MAGN	3.8	2.4	M124	105641	208	3	222180
1-44	M145T	7/8	MAGN	3.4	2.2	M124	105641	240	3	114971
1-44	M145T	7/8	MAGN	1.7	1.1	M109	105642	480	3	114972
1.5-68	N145T	7/8	MAGN	5.4	3.1	M125	105643	208	3	222181
1.5-68	N145T	7/8	MAGN	4.9	2.8	M125	105643	240	3	114973
1.5-68	N145T	7/8	MAGN	2.4	1.4	M104	105644	480	3	114974
2-88	S182T	1 1/8	MAGN	6.5	4.2	M220	105645	208	3	222182
2-88	S182T	1 1/8	MAGN	5.9	3.8	M220	105645	240	3	114976
2-88	S182T	1 1/8	MAGN	3.4	2.1	M207	105646	480	3	114977
3-13	S184T	1 1/8	MAGN	9.3	5.3	M221	105647	208	3	222183
3-13	S184T	1 1/8	MAGN	8.4	4.8	M221	105647	240	3	114978
5-22	S215T	1 3/8	MAGN	15.5	10.2	M320	105870	240	3	114980
5-22	S215T	1 3/8	MAGN	7.1	4.8	M305	105871	480	3	114981

CODE 48 - 2-Speed Blower Motor										CODE 49 Starter P/N
HP	Motor Frame	Shaft Dia	Mfr No.	Overload		Mfr No.	P/N	V	PH	
				High Speed	Low Speed					
7.5-3.3	Y215T	1 3/8	MAGN	21.6	13.6	M317	105872	208	3	222185
7.5-3.3	Y215T	1 3/8	MAGN	19.5	12.3	M317	105872	240	3	114982
7.5-3.3	D215T	1 3/8	MAGN	10	6	M315	105873	480	3	114983
10-4.4	S256T	1 5/8	MAGN	31	19.4	M421	105874	208	3	222186
10-4.4	S256T	1 5/8	MAGN	28	17.5	M421	105874	240	3	114984
10-4.4	S256T	1 5/8	MAGN	13.5	7.5	M				

# Blower Motor Starters with Line Volt Coil - used before 9/03 (Serial No. Date Code BCI)

NOTE: For previously used NEMA starters, see page 11.

CODE 45 - Motor				CODE 50 - Starter Contactor with line voltage coil and Overloads (used on units mfgd prior to 9/03)						
Type	HP	P/N	volt	ph	Mfg No.	P/N	min	max	GE #	P/N
OPEN		102627	120	1	CL00A310T-J	151146	8.00	12.00	RTA1-N	151193
OPEN		102627	208	1	CL00A310T-L	151150	4.00	6.30	RTA1-L	151191
OPEN		102627	240	1	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
OPEN		159183	208	3	CL00A310T-L	151150	1.90	2.70	RTA1-J	151189
OPEN		159183	240	3	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
OPEN		159183	480	3	CL00A310T-U	151148	1.30	1.90	RTA1-H	151188
OPEN		93548	120	1	CL01A310T-J	151151	10.00	16.00	RTA1-P	151194
OPEN		93548	208	1	CL00A310T-L	151150	5.50	8.50	RTA1-M	151192
OPEN		93548	240	1	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
OPEN		36951	208	3	CL00A310T-L	151150	2.50	4.10	RTA1-K	151190
OPEN		36951	240	3	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
OPEN		36951	480	3	CL00A310T-U	151148	1.00	1.50	RTA1-G	151187
OPEN		13685	120	1	CL01A310T-J	151151	10.00	16.00	RTA1-P	151194
OPEN		13685	208	1	CL00A310T-L	151150	5.50	8.50	RTA1-M	151192
OPEN		13685	240	1	CL00A310T-S	151147	5.50	8.50	RTA1-M	151192
OPEN		36580	208	3	CL00A310T-L	151150	2.50	4.10	RTA1-K	151190
OPEN		36580	240	3	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
OPEN		36580	480	3	CL00A310T-U	151148	1.30	1.90	RTA1-H	151188
OPEN		158175	575	3	CL00A310T-Y	151149	1.00	1.50	RTA1-G	151187
OPEN		194202	120	1	CL02A310T-J	151156	10.00	16.00	RTA1-P	151194
OPEN		194202	208	1	CL00A310T-L	151150	5.50	8.50	RTA1-M	151192
OPEN		194202	240	1	CL00A310T-S	151147	5.50	8.50	RTA1-M	151192
OPEN		115859	208	3	CL00A310T-L	151150	4.00	6.30	RTA1-L	151191
OPEN		115859	240	3	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
OPEN		115859	480	3	CL00A310T-U	151148	2.50	4.10	RTA1-K	151190
OPEN		158162	575	3	CL00A310T-Y	151149	1.30	1.90	RTA1-H	151188
OPEN		202581	120	1	CL25A310T-J	151160	17.50	22.00	RTA1-T	151197
OPEN		202581	208	1	CL01A310T-L	151155	8.00	12.00	RTA1-N	151193
OPEN		202581	240	1	CL01A310T-S	151152	8.00	12.00	RTA1-N	151193
OPEN		159327	208	3	CL00A310T-L	151150	5.50	8.50	RTA1-M	151192
OPEN		159327	240	3	CL00A310T-S	151147	5.50	8.50	RTA1-M	151192
OPEN		159327	480	3	CL00A310T-U	151148	2.50	4.10	RTA1-K	151190
OPEN		158176	575	3	CL00A310T-Y	151149	1.90	2.70	RTA1-J	151189
OPEN		111560	208	1	CL02A310T-L	151159	10.00	16.00	RTA1-P	151194
OPEN		111560	240	1	CL01A310T-S	151152	10.00	16.00	RTA1-P	151194
OPEN		159185	208	3	CL00A310T-L	151150	8.00	12.00	RTA1-N	151193
OPEN		159185	240	3	CL00A310T-S	151147	8.00	12.00	RTA1-N	151193
OPEN		159185	480	3	CL00A310T-U	151148	4.00	6.30	RTA1-L	151191
OPEN		120019	575	3	CL00A310T-Y	151149	2.50	4.10	RTA1-K	151190
OPEN		152002	208	3	=====	=====	8.00	12.00	RTA1-N	151193
OPEN		152002	240	3	=====	=====	5.50	8.50	RTA1-M	151192
OPEN		152002	480	3	=====	=====	2.50	4.10	RTA1-K	151190
OPEN		111562	208	1	CL04A310M-L	151169	25.00	32.00	RTA1-V	151199
OPEN		111562	240	1	CL04A310M-S	151166	25.00	32.00	RTA1-V	151199
OPEN		113371	208	3	CL01A310T-L	151155	10.00	16.00	RTA1-P	151194
OPEN		113371	240	3	CL01A310T-S	151152	10.00	16.00	RTA1-P	151194
OPEN		113371	480	3	CL00A310T-U	151148	5.50	8.50	RTA1-M	151192
OPEN		120020	575	3	CL00A310T-Y	151149	4.00	6.30	RTA1-L	151191
OPEN		105828	208	1	CL06A311M-L	151173	30.00	43.00	RTA2-E	151206
OPEN		105828	240	1	CL45A310M-S	151170	25.00	32.00	RTA1-V	151199
OPEN		105854	208	3	CL25A310T-L	151164	21.00	26.00	RTA1-U	151198
OPEN		105855	240	3	CL25A310T-S	151161	17.50	22.00	RTA1-T	151197
OPEN		105855	480	3	CL01A310T-U	151153	8.00	12.00	RTA1-N	151193
OPEN		158164	575	3	CL00A310T-Y	151149	5.50	8.50	RTA1-M	151192
OPEN		105830	208	1	CL06A311M-L	151173	30.00	43.00	RTA2-E	151206
OPEN		105830	240	1	CL06A311M-S	151172	30.00	43.00	RTA2-E	151206
OPEN		105857	208	3	CL04A310M-L	151169	25.00	32.00	RTA1-V	151199
OPEN		105858	240	3	CL04A310M-S	151166	25.00	32.00	RTA1-V	151199
OPEN		105858	480	3	CL01A310T-U	151153	10.00	16.00	RTA1-P	151194
OPEN		158163	575	3	CL01A310T-Y	151154	10.00	16.00	RTA1-P	151194
OPEN		142287	208	3	CL06A311M-L	151173	42.00	55.00	RTA2-G	151202
OPEN		142288	240	3	CL06A311M-S	151172	30.00	43.00	RTA2-E	151206
OPEN		142288	480	3	CL25A310T-U	151162	17.50	22.00	RTA1-T	151197
OPEN		142289	575	3	CL02A310T-Y	151158	14.50	18.00	RTA1-S	151196
OPEN		142295	208	3	CL07A311M-L	151176	54.00	65.00	RTA2-H	151203
OPEN		142296	240	3	CL07A311M-S	151175	42.00	55.00	RTA2-G	151202
OPEN		142296	480	3	CL04A310M-U	151167	25.00	32.00	RTA1-V	151199
OPEN		142297	575	3	CL25A310T-Y	151163	17.50	22.00	RTA1-T	151197
OPEN		159021	208	3	CL09A311M-L	151179	64.00	82.00	RTA2-J	151204
OPEN		159022	240	3	CL08A311M-S	151177	54.00	65.00	RTA2-H	151203
OPEN		159022	480	3	CL45A310M-U	151171	25.00	32.00	RTA1-V	151199
OPEN		159023	575	3	CL04A310M-Y	151168	21.00	26.00	RTA1-U	151198
OPEN		159024	208	3	CL09A311M-L	151179	64.00	82.00	RT2-J	151204
OPEN		159025	240	3	CL09A311M-S	151178	64.00	82.00	RT2-J	151204
OPEN		159025	480	3	CL06A311M-U	151174	30.00	43.00	RTA2-E	151206
OPEN		159026	575	3	CL04A310M-Y	119852	25.00	32.00	RTA1-V	151199
TEFC	1/2	159184	120	1	CL00A310T-J	151146	5.50	8.50	RTA1-M	151192
TEFC		159184	208	1	CL00A310T-L	151150	2.50	4.10	RTA1-K	151190
TEFC		159184	240	1	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
TEFC		16077	208	3	CL00A310T-L	151150	1.90	2.70	RTA1-J	151189
TEFC		16077	240	3	CL00A310T-S	151147	1.90	2.70	RTA1-J	151189

CODE 45 - Motor				CODE 50 - Starter Contactor with line voltage coil and Overloads (used on units mfgd prior to 9/03)						
Type	HP	P/N	volt	ph	Mfg No.	P/N	min	max	GE #	P/N
TEFC		16077	480	3	CL00A310T-U	151148	0.65	1.10	RTA1-F	151186
TEFC	1/2	105568	575	3	CL00A310T-Y	151149	0.65	0.90	RTA1-F	151186
TEFC		115860	120	1	CL01A310T-J	151151	10.00	16.00	RTA1-P	151194
TEFC		115860	208	1	CL00A310T-L	151150	4.00	6.30	RTA1-L	151191
TEFC		115860	240	1	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
TEFC		20371	208	3	CL00A310T-L	151150	1.90	2.70	RTA1-J	151189
TEFC	3/4	20371	240	3	CL00A310T-S	151147	1.90	2.70	RTA1-J	151189
TEFC		20371	480	3	CL00A310T-U	151148	1.00	1.50	RTA1-G	151187
TEFC		105569	575	3	CL00A310T-Y	151149	0.65	1.10	RTA1-F	151186
TEFC		174993	120	1	CL01A310T-J	151151	10.00	16.00	RTA1-P	151194
TEFC		174993	208	1	CL00A310T-S	151147	5.50	8.50	RTA1-M	151192
TEFC		174993	240	1	CL00A310T-S	151147	5.50	8.50	RTA1-M	151192
TEFC		16080	208	3	CL00A310T-L	151150	2.50	4.10	RTA1-K	151190
TEFC	1	16080	240	3	CL00A310T-S	151147	2.50	4.10	RTA1-K	151190
TEFC		16080	480	3	CL00A310T-U	151148	1.30	1.90	RTA1-H	151188
TEFC		105570	575	3	CL00A310T-Y	151149	1.00	1.50	RTA1-G	151187
TEFC		94347	120	1	CL02A310T-J	151156	14.50	18.00	RTA1-S	151196
TEFC		94347	208	1	CL00A310T-L	151150	8.00	12.00	RTA1-N	151193
TEFC		94347	240	1	CL00A310T-S	151147	8.00	12.00	RTA1-N	151193
TEFC		101286	208	3	CL00A310T-L	151150	4.00	6.30	RTA1-L	151191
TEFC	1.5	101286	240	3	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
TEFC		101286	480	3	CL00A310T-U	151148	1.90	2.70	RTA1-J	151189
TEFC		105665	575	3	CL00A310T-Y	151149	1.30	1.90	RTA1-H	151188
TEFC		105572	120	1	CL04A310M-J	151165	21.00	26.00	RTA1-U	151198
TEFC		105572	240	1	CL01A310T-S	151152	10.00	16.00	RTA1-P	151194
TEFC		158165	208	3	CL00A310T-L	151150	5.50	8.50	RTA1-M	151192
TEFC	2	158165	240	3	CL00A310T-S	151147	4.00	6.30	RTA1-L	151191
TEFC		158165	480	3	CL00A310T-U	151148	2.50	4.10	RTA1-K	151190
TEFC		158166	575	3	CL00A310T-Y	151149	1.90	2.70	RTA1-J	151189
TEFC		111564	120	1	CL04A310M-J	151165	25.00	32.00	RTA1-U	151199
TEFC		111564	240	1	CL02A310T-S	151157	10.00	16.00	RTA1-P	151194
TEFC		119330	208	3	CL00A310T-L	151150	5.50	8.50	RTA1-N	151192
TEFC	3	159330	240	3	CL00A310T-S	151147	5.50	8.50	RTA1-N	151192
TEFC		159330	480	3	CL00A31					

Motor					CODE 50 - Starter Contactor with line voltage coil and Overloads (used on units mfgd prior to 2/03)					
Type	HP	P/N	volt	ph	Mfg No.	P/N	min	max	GE #	P/N
EE	5	159029	480	3	CL00A310T-U	151148	5.50	8.50	RTA1-M	151192
EE		111602	575	3	CL00A310T-Y	151149	4.00	6.30	RTA1-L	151191
EE	7.5	159331	208	3	CL04A310M-L	151169	21.00	26.00	RTA1-U	151198
EE		159332	240	3	CL25A310T-S	151161	17.50	22.00	RTA1-T	151197
EE	10	159332	480	3	CL00A310T-U	151148	8.00	12.00	RTA1-N	151193
EE		158164	575	3	CL00A310T-Y	151149	5.50	8.50	RTA1-N	151192
EE	15	159333	208	3	CL04A310M-L	151169	25.00	32.00	RTA1-V	151199
EE		159334	240	3	CL04A310M-S	151166	21.00	26.00	RTA1-U	151198
EE	20	159334	480	3	CL01A310T-U	151153	10.00	16.00	RTA1-P	151194
EE		158163	575	3	CL00A310T-Y	151149	10.00	16.00	RTA1-P	151194
EE	25	142440	208	3	CL06A311M-L	151173	30.00	43.00	RTA2-E	151206
EE		142441	240	1	CL06A311M-S	151172	30.00	43.00	RTA2-E	151206
EE	30	142441	480	3	CL25A310T-U	151162	17.50	22.00	RTA1-T	151197
EE		142289	575	3	CL02A310T-Y	151158	10.00	16.00	RTA1-P	151194


Motor					CODE 50 - Starter Contactor with line voltage coil and Overloads (used on units mfgd prior to 2/03)					
Type	HP	P/N	volt	ph	Mfg No.	P/N	min	max	GE #	P/N
EE	15	142440	208	3	CL06A311M-L	151173	30.00	43.00	RTA2-E	151206
EE		142441	240	1	CL06A311M-S	151172	30.00	43.00	RTA2-E	151206
EE	20	142441	480	3	CL25A310T-U	151162	17.50	22.00	RTA1-T	151197
EE		142289	575	3	CL02A310T-Y	151158	10.00	16.00	RTA1-P	151194
EE	25	159187	208	3	CL07A311M-L	151176	54.00	65.00	RTA2-H	151203
EE		142299	240	3	CL06A311M-S	151172	42.00	55.00	RTA2-G	151202
EE	30	142299	480	3	CL04A310M-U	151167	21.00	26.00	RTA1-U	151198
EE		142300	575	3	CL25A310T-Y	151163	17.50	22.00	RTA1-T	151197
EE	35	159031	208	3	CL09A311M-L	151179	64.00	82.00	RT2-J	151204
EE		159033	240	3	CL08A311M-S	151177	54.00	65.00	RT2-H	151203
EE	40	159033	480	3	CL04A310M-U	151167	25.00	32.00	RT1-V	151199
EE		159032	208	3	CL10A311M-L	166756	78.00	97.00	RT2-L	151205
EE	45	159034	240	3	CL09A311M-S	151178	64.00	82.00	RT2-J	151204
EE		159034	480	3	CL06A311M-U	151174	30.00	43.00	RT2-E	151206

**CODE 51 - Replacement Coils by Voltage for IEC Starter Contactors (CODE 46 - 24 volt starter contactors on pages 7-9 and CODE 50 line voltage starter contactors on page 10)**


Voltage	GE #	P/N	For Use with Contactors Beginning with GE#	Voltage	GE #	P/N	For Use with Contactors Beginning with GE#	Voltage	GE #	P/N	For Use with Contactors Beginning with GE#
24	LB1A-C	151280		CL00; CL01; CL02; CL25	24	LB3A-C		151286	CL04; CL45	208	
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					

**CODE 52 - Replacement Parts for NEMA Starters - Apply to RDF Models Manufactured prior to 10/92**


**NEMA Open Motor Starters**



**Starter Heater**



**Holding Coil**



NOTE: Effective 10/90, motor starter coils were changed to line voltage (For relay, see **CODE 1**, page 4)

Holding Coils for NEMA Starters			
Size	Coil Voltage	GE#	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 Motor Starters			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

Heaters for NEMA Starters		
HP/Voltage/Phase	GE#	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 - parts apply to all sizes	P/N
61	1" Pressure Regulator, RV53-88	123950
62	Regulator, 1" manifold, 5 PSI to 6" w.c., Maxitrol R600S	86964
62A	Standard brown spring for propane gas (in CODE 62) for lower pressure range 1 - 3.5" w.c.	91787
	Std cadmium spring for natural gas (in CODE 62) for pressure range from 3.0 - 6.0" w.c., Maxitrol #R5310-36	97196
	Optional orange spring in CODE 62, for pressure range from 4.0 - 8.0" w.c., Maxitrol #R5310-48	97351
63A	Pilot Regulator, 3/8", Maxitrol #R400-S (replaced by CODE 63B)	86965
63B	Pilot Regulator, 3/8", Maxitrol 325-3 (functional replacement for 63A)	112644
64A	Pilot Valve, 110V, 3/8", G/C #S311AF02N6-CF5 (changed to 24V, CODE 64B, with units mfgd beginning 3/96)	86967
64B	Pilot Valve, 24V, 3/8", G/C #S311AF02N6-CF5 (used from 3/96 to 9/03)	145733
64C	Pilot Valve, 24V, 3/8", M/H V8046C1030 (on units manufactured beginning 9/03)	204769
65A	Pilot Needle Valve, Nupro B-4JNR (on units mfgd from 1/91 through 1/96)	112462
65B	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
66A	Solenoid Valve, 1", 120V, ASCO #K3A562-U (changed to 24V, CODE 66B, with units mfgd beginning 3/96)	86966
66B	Solenoid Valve, 1", 24V, ASCO #K3A561-U (on units mfgd prior to Series 3, Serial No. date code BCI, 9/03)	146472
67	1-stage Gas Valve, M/H VR8404M5569, Natural or Propane, 1"	Used in Gas Controls available on RDF Series 3 (manufactured beginning 9/03) 159743
68	Air Controller, 40-100°F (used as a ductstat in Option AG1 beginning 9/03)	126170
69	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
70	2-stage Ductstat, T678A1015, 60-110°F	41700

CODE	Description	RDF Model						
		1-20	1-40	1-50	1-65	2-80	2-120	3-180
72A	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
72B	Actuator only, 120V, fluid operated, Honeywell #V4055A1007	86993						
73	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
74	Low Gas Pressure Switch, automatic	Used on RDF Series 3 (both include built-in vent limiter ) 204375						
75	High Gas Pressure Switch, manual reset	204297						
76	Low Gas Pressure Switch, Antunes #RLGP-A	Used on RDF prior to Series 3 (9/03) 93849						
77	High Gas Pressure Switch, Antunes #HGP-AMI	93850						
78	Vent Limiter, Maxitrol #12A09	123481						
79A	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
79B	Gas Valve, Watts B-6000-UL-TH, with ball valve adapter, used on units mfgd beginning 7/90 replacing CODE 79A 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						
80	Manual Pilot Gas Valve, 3/8"	159720						
81	Vent Valve, 3/4, 24V, N.O. (not illustrated)	124010						
82	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
83	Gas Supply Regulator Kit, 1"x1" NPT (Same as Option CZ1)	124258						
	5 psi 1-1/2"x1-1/2" NPT (Same as Opt CZ2)	124259						

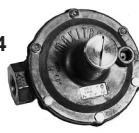
<p><b>CODE 61 - Regulator, P/N 123950, Maxitrol RV53-88</b></p> 	<p><b>CODE 62 - Regulator, P/N 86964, Maxitrol R600S</b></p> <p><b>CODE 62A - Regulator Spring for CODE 62</b></p> 	<p><b>CODE 63A - Pilot Regulator, P/N 86965, Maxitrol R400S (on units manufactured prior to 1/91; replaced by CODE 63B)</b></p> 	<p><b>CODE 63B - Pilot Regulator, P/N 112644, Maxitrol 325-03 (on units manufactured beginning 1/91) - a functional replacement for CODE 62A</b></p> 
<p><b>CODE 64A - Pilot Valve, P/N 86967, 110V, G/C #S311AF02N6-CP5</b></p> 	<p><b>CODE 64B - Pilot Valve, P/N 145733, 24V, G/C #S311AF02N6-CF5</b></p> 	<p><b>CODE 64C - Pilot Valve, P/N 204769, M/H V8046C1030, 24V</b></p> 	

**CODE 65A - Pilot Needle Valve, P/N 112462, Nupro #B-4JNR (on units mfgd from 1/91 - 3/96)**



**CODE 65B - Pilot Needle Valve Conversion Kit, P/N 112645, for units mfgd before 1/91**

Regulator, P/N 112644



Brass Elbow, P/N 93388

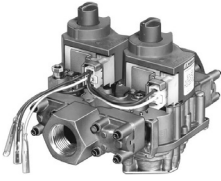


Needle Valve and Tubing, P/N 112710

**CODE 66A - Solenoid Valve, P/N 86966, ASCO #K3A562-U, 120V**



**CODE 67 - P/N 159743, 1-Stage Gas Valve, 1", natural or propane**



**Components in Gas Control Option AG3**

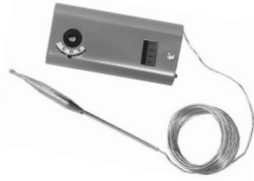
**CODE 69 - P/N 203866, 2-Stage Gas Valve**



**CODE 66B - Solenoid Valve, P/N 146472, ASCO #K3A561-U, 24V**



**CODE 68 - P/N 126170, Controller (used as a ductstat)**



**CODE 70 - P/N 41700, 2-Stage Ductstat**



**CODE 72A (used with CODE 72B)**

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



**CODE 73 - 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 74 - Low Gas Pressure Switch (automatic), P/N 204375**



**CODE 75 - High Gas Pressure Switch (manual reset), P/N 204297**



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

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

**CODE 76 - Low Gas Pressure Switch, P/N 93849, Automatic Reset, Settings - 50% of minimum inlet gas pressure as stated on the unit rating plate**

**CODE 77 - High Gas Pressure Switch, P/N 93850, Manual Reset, Settings - 125% of normal manifold gas pressure as stated on the unit rating plate**



**CODE 82 - Gas Control Regulators**

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

**P/N 89351, 1-1/4", Maxitrol MR212D**

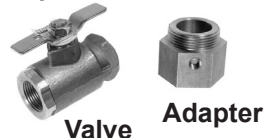
**P/N 91071, 2", Maxitrol MR212E**



**CODE 78 - Vent Limiter used with Pressure Switches, P/N 123481**



**CODE 79B - Valve and Adapter with Test Port**



**CODE 80 - Pilot Gas Valve, P/N 159720**



**CODE 83 - 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 Opt	Serial No. Suffix	Location	P/N
90	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 14B, #TS114B	AG35	MV-8	Discharge	123944
	Temperature Sensor, Maxitrol Series 44, #TS144E, 120°F max	AG33	MV-9	Discharge	119617
	Temperature Sensor, Maxitrol Series 44, #TS144C, 140°F max				194160
	Temperature Sensor, Maxitrol Series 94, #TS194	AG36	MV-B	Discharge	133228
91	Mixing Tube, Maxitrol MTI-12	All above		Discharge	90323
92	Amplifier, Maxitrol Series 14 & 14A, #A1014R	AG 30, 31, 32	MV-7, MV-8	Electrical Control Compartment (See page 3.)	148590
	Replacement Kit for Amplifier P/N 148590, Model A1014L or A1014U, or P/N 86976				268301
	Amplifier, Maxitrol Series 44, #A1044U	AG33	MV-9		268274
	Replacement Kit for Amplifier P/N 194159 (A1044CL); P/N 157915 (A1044EL); P/N 119616 (A1044E), and P/N 86989 (A1044)				268302
	Amplifier, Maxitrol Series 94, A1494				AG36
93	Signal Conditioner, Maxitrol	AG37	MV-C		134170
94	Temperature Selector, Maxitrol Series 14, #TD114	AG30, AG31	MV-7	Remote	86988 (USA) 101165 (Canada)
	Temperature Selector, Maxitrol Series 14A, #TD114A	AG32	MV-8	Remote	87107
	Temperature Selector, Maxitrol Series 14B, #TD114B, 120-160°F	AG35	MV-8	Remote	159285
	Temperature Selector, Maxitrol Series 14B, #TD114B, 120-140°F				123943
	Selectrastat (temperature selector), Maxitrol Series 44, #T-244	AG33	MV-9	Space	86990
	Temperature Selector, Maxitrol Series 94, #TD294E-609-0818	AG36	MV-B	Remote	133230, 120°F 159287, 160°F
95	Overriding Thermostat, Series 14, #T115	AG 30, 31, 32	MV-7, MV-8	Space	24857

**CODE 90 - P/N 90324, Maxitrol #TS114; Temperature P/N 87106, Maxitrol #TS114A Sensor**



(illustrated);  
P/N 123944, Maxitrol #TS114B;  
P/N 119617, Maxitrol #TS144E;  
P/N 194160, Maxitrol #TS144C;  
P/N 133228, Maxitrol TS194A

**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 91 - Mixing Tube, P/N 90323**



## CODE 92 - Amplifiers

(Amplifiers are not interchangeable and must match the temperature sensor.)

P/N 148590, Maxitrol #A1014R



To replace P/N 148590, A1014L or A1014U, or P/N 86976, order Replacement Kit P/N 268301

P/N 133229, Maxitrol #A1494



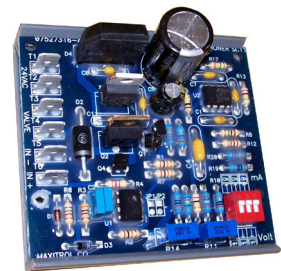
P/N 268274, Maxitrol #A1044U



(Shown without the cover.)

To replace P/N 194159 (A1044CL); P/N 157915 (A1044EL); P/N 119616 (A1044E), or P/N 86989 (A1044), order Replacement Kit P/N 268302

## CODE 93 - Maxitrol Signal Conditioner, P/N 134170 (for computer control)



## CODE 94 - Temperature Selectors (see chart for option application)



P/N 86988, TD114 U.S. Models, Range 55-90°F (selector with box, P/N 156085);

P/N 101165, TD114, Canadian Models, Range 50-75°F;

P/N 87107, TD114A, Range 80-130°F;

P/N 159285, TD114B, Range 120-160°F



P/N 86990, Selectrastat Maxitrol T-244



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



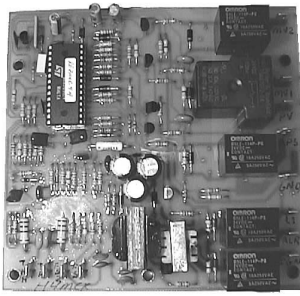
**CODE 95 - P/N 24857, Maxitrol #T115, Overriding Thermostat, Option AG33**



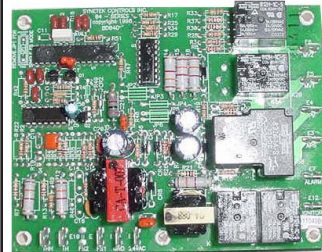
### Ignition System - Hot Surface Ignition (Ignition system changed from spark to hot surface beginning 3/96.)

CODE	Description of Parts of Hot Surface Ignition System and Conversion Kits		P/N	
100A	Hot Surface Ignition Module, RAM #H4MC24-01- applies to RDF systems manufactured from 3/96 to 9/03 (prior to RDF Series 3) - Serial No. Ignition System Code 72		Located in the electrical control compartment.	
100B	Hot Surface Ignition Module, Syntek IH11040B-C, single flame rod (Used on RDF Series 3 with burner sizes from 250-1500 MBH, Options BL1-BL6) - Serial No. Ignition System Code 82			
100C	Hot Surface Ignition Module, Syntek IH11040C-C, dual flame rod (Used on RDF Series 3 with burner sizes from 1750-3000 MBH, Options BL7-BL13) - Serial No. Ignition System Code 81			
101	Pilot Assembly for Hot Surface Ignition prior to RDF Series 3 (9/03) including:		120048	
	 <b>Flame Sensor</b>	 <b>Pilot and Ignitor</b>	Pilot	122840
			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			
Pilot, Sensor, and Ignitor for Model RDF Series 3				
102A	Pilot for RDF Series 3, 250-1500 MBH		127910	
102B	Pilot for RDF Series 3, 1750-3000 MBH		122840	
103	Hot Surface Ignitor, Norton #401E		121865	
104	Flame Sensor, J/C #Y75MK-1D (Note: CODE 104 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 119.)		134706	
105	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	

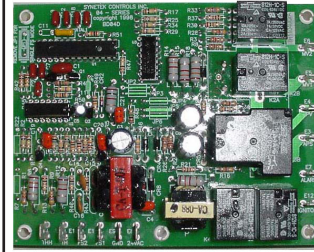
#### CODE 100A - P/N 157953, Hot Surface Ignition Module, RAM H4MC24-01



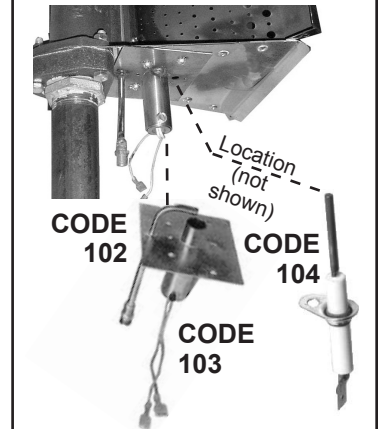
#### CODE 100B - P/N 204376, Hot Surface Ignition Module, Syntek IH11040B-C, for burner with a single flame rod



#### CODE 100C - P/N 204166, Hot Surface Ignition Module, Syntek IH11040C-C, for burner with a double flame rod



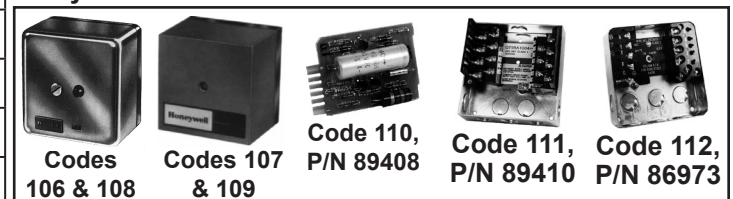
#### Pilot, Hot Surface Ignitor, and Flame Sensor on RDF Series 3 Burner



### 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 105, above.)		P/N
106	Flame Sensor Safety Relay, Rectification, Honeywell #RA890F1270 (Serial No. Code 58)	With Code 113	86972
107	Flame Sensor Safety Relay, Rectification, Honeywell #R7795B-1009 (less Code 110)		89407
108	Flame Sensor Safety Relay, Ultraviolet, Honeywell #RA890G1310 (Serial No. Code 59)	With Code 114	89409
109	Flame Sensor Safety Relay, Ultraviolet, Honeywell #R7795A-1009 (less CODE 110)		89436
110	Prepurge Timer Board (prepurge relay), M/H ST795A-1031 (used in CODES 107 and 109)		89408
111	Subbase only used with CODES 107 (P/N 89407) & 109 (P/N 89436), Honeywell #Q795A-1004		89410
112	Subbase only used with CODES 106 (P/N 86972) & 108 (P/N 89409), Honeywell #Q270A-1024		86973
113	Flame Probe, Auburn #AA67-7892-1 (std on units mfgd before 9/88; used w/CODE 106 or 107)		87937
114	Ultraviolet Minipeeper Detector, Honeywell #C7027A (std on units from 9/88 -2/96; optional on prior units; used w/Code 108 or 109)		89411
115	Flame Rod Wire Assembly	RDF 1-20, 40, 50, 65	87904
		RDF 2-80, 120	89614
		RDF 3-180, 260	113952
115A	Housing only for Code 95, AMP 1-48016-0		19127
116	Ignitor Wire Assembly	RDF 1-20, 40, 50, 65	87906
		RDF 2-80, 120	89627
		RDF 3-180, 260	91362

#### Flame Sensor Safety Relays and Subbases



#### Code 113, P/N 87937, Flame Probe (std on units with date codes AJH to ANH)



#### Code 114, P/N 89411, Ultraviolet Detector (std on units with date codes from ANI to AVB; optional on prior units)



#### Code 115, Flame Rod Wire Assy



#### Code 116, Ignitor Wire Assy



#### Spark Plug for Spark Ignition System

Code 117A, P/N 87936 (illustrated)  
Code 117B, P/N 179342, #23539 Sapco 14mm (used prior to Code 97A)



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

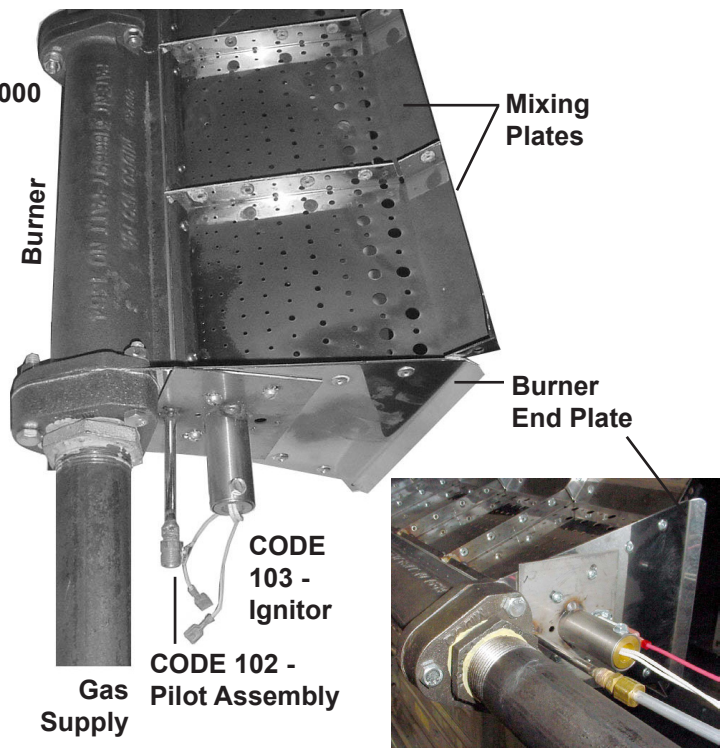
RDF Series 3 systems use Midco HMA-700 Series Burners. The Burner P/N listed below includes the burner, the mixing plates, and the end plate. 1750-3000 MBH (42-60") burners also includes CODE 119.

CODE 118 - Model RDF Series 3 BURNER			
Option	Length	MBH	P/N
BL1	6" Burner	250	<a href="#">203312</a>
BL2	12" Burner	500	<a href="#">203313</a>
BL3	18" Burner	750	<a href="#">203314</a>
BL4	24" Burner	1,000	<a href="#">203315</a>
BL5	30" Burner	1,250	<a href="#">203316</a>
BL6	36" Burner	1,500	<a href="#">203317</a>
BL7	42" Burner	1,750	<a href="#">203318</a>
BL8		2,000	
BL9	48" Burner	2,250	<a href="#">203319</a>
BL10	54" Burner	2,500	<a href="#">203320</a>
BL11	60" Burner	2,750	<a href="#">203321</a>
BL12		3,000	

**CODE 119 - Second Sensor**  
(at the end of the burner opposite the ignitor) on 42-60" Burners, Sensor and Bracket, P/N [210767](#)

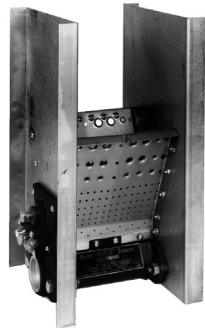


**CODE 119A - Sensor only, P/N [210766](#)**



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

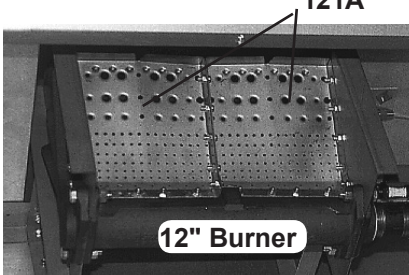
CODE	Burners (includes cast iron burner and stainless steel mixing plates; does not include Code 122A or 122B, graphite paste, or hardware)		
	Size	BTU	P/N
121	6" Burner	250,000	<a href="#">123405</a>
	12" Burner	500,000	<a href="#">123665</a>
	18" Burner	750,000	<a href="#">123684</a>
	24" Burner	1,000,000	<a href="#">123696</a>
	30" Burner	1,250,000	<a href="#">123700</a>
	36" Burner	1,500,000	<a href="#">145140</a>
	42" Burner	1,750,000	<a href="#">145159</a>
	48" Burner	2,000,000	<a href="#">145162</a>
	54" Burner	2,250,000	<a href="#">145169</a>
	60" Burner	2,500,000	<a href="#">145172</a>
	66" Burner	2,750,000	<a href="#">145175</a>
	72" Burner	3,000,000	<a href="#">145178</a>



**NOTE: Replacement burner DOES NOT include the burner end plate. Order end plate Code 122A for hot surface ignition or Code 122B for spark ignition.**

<b>121A</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 <a href="#">116104</a></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>122A</b>	Burner End Plate only for HOT Surface Ignition	(1) <b>P/N <a href="#">95473</a></b> - For all sizes of heaters and burners
<b>122B</b>	Burner End Plate only for Spark Ignition	(1) <b>P/N <a href="#">102957</a></b> - For all sizes of heaters and burners

### Installed Burner Assy



### CODE 122A - Burner End Plate showing the hot surface ignition system

Hot surface ignition is standard with units mfgd beginning 3/96; for ignition conversion kit see **CODE 105**, page 15.

Pilot and Ignitor Assembly, See **CODE 101**, page 15

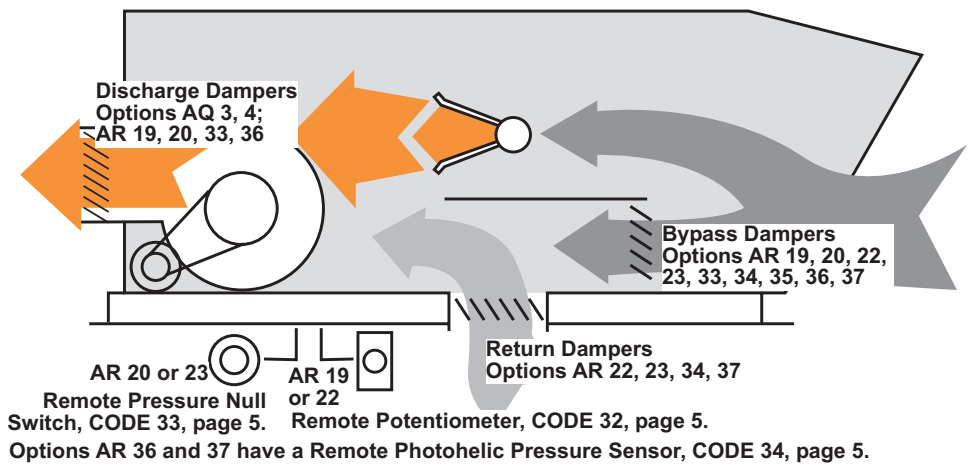
Burner Inlet Flange, P/N [123449](#), (must be sealed with key graphite paste, P/N [146269](#))



### CODE 122B - Burner End Plate for burner with spark ignition, P/N [102957](#)



**Dampers and Controls  
RDF Series 3  
(units manufactured beginning 9/03)**




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

Code	Description	In Option	RDF-1	RDF-2	RDF-3
130	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"
131	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"
132	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
135	2-Position, 100% Makeup Air	AQ3, AQ4	159892	J/C M9216-BGC-2	
136	Variable Air Volume w/Manual Potentiometer (Code 32, pg 5)	AR19	204269	J/C M9216-JGA-2	
137	Variable Air Volume w/Automatic Pressure Switch (Code 33, pg 5)	AR20	159877	AF24-MFT95-US	
138	Variable Air Volume with Computer Control through Signal Conditioner (Code 93, pg 14)	AR33	204271	J/C M9216-GGC-2	
139	Variable Air Volume w/Photohelic Pressure Sensor (Code 34, pg 5)	AR36	204270	J/C M9109-AGA-2	
140	Variable Air Volume	AR 19, 20, 22, 23, 33, 34, 36, 37	204268	J/C M9108-AGD-2	
141	Return Air with Manual Potentiometer (Code 32, pg 5)	AR22	159877	AF24-MFT95-US	
142	Return Air w/Automatic Pressure Switch (Code 33, pg 5)	AR23	204270	J/C M9109-AGA-2	
143	Variable Air Volume with Computer Control through Signal Conditioner (Code 93, pg 14)	AR34	204271	J/C M9216-GGC-2	
144	Variable Air Volume w/Photohelic Pressure Sensor (Code 34, pg 5)	AR37	204270	J/C M9109-AGA-2	
145	Damper Crank Arm, M/H #26026K	(1) AR 22, 23, 34	12635	--	
		(1) AQ 3, 4 (mfgd prior to 11/07)	12635	--	
146	Ball Joint, M/H 27518	(2) AR19, 20, 22, 23, 34, 37	12636	--	
		(2) AQ 3, 4 (mfgd prior to 11/07)	12636	--	
147	Damper Crank Arm Kit, J/C #9000-153	(1) AR 22, 23;	194200	--	
		(1) AQ3 (mfgd prior to 11/07)	194200	--	
148	Damper Crank Arm	(1) AR 34, 37	66278	--	
		(1) AQ 3, 4	--	--	66278
149	Damper Crank Arm, W/R 135-0002	(1) AQ4	--	--	66277

**Dampers and Controls for RDF Series 3 (units manufactured beginning 9/03) (cont'd)**

<p><b>CODE 135 - 2-Position Damper Motor, P/N 159892</b></p> 	<p><b>Modulating Damper Motors</b> (See Chart on page 17 for application.)</p>	<p><b>CODES 136, 141 - Discharge or Return Air Damper Motor, P/N 159877</b></p>  <p><b>CODES 137, 139, 142, 164 - Discharge or Return Air Damper Motor, P/N 204270</b></p> 	<p><b>CODE 140 - Bypass Damper Motor, P/N 204268</b></p>  <p><b>CODES 138, 143 - Discharge or Return Air Damper Motor, P/N 204271</b></p> 	<p><b>CODE 145, Damper Crank Arm, P/N 12635, M/H #26026K</b></p>  <p><b>CODE 146, 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</b></p> 	<p><b>CODE 129, Damper Crank Arm Kit, P/N 66277, W/R 135-0002</b></p> 		

**CODE 150 - 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 (before 11/07)	112555 - 1/4" x 16"	89640 - 1/4"x7-1/2"	
Discharge 2-Position, 100% Makeup Air (Horizontal)	AQ4	112555 - 1/4" x 16" (before 11/07)	89970 - 1/4"x38"	91428 - 1/4"x24"
Return Air Damper	AR 34 and 37	5120, 1/4" X 7-7/8"	--	--

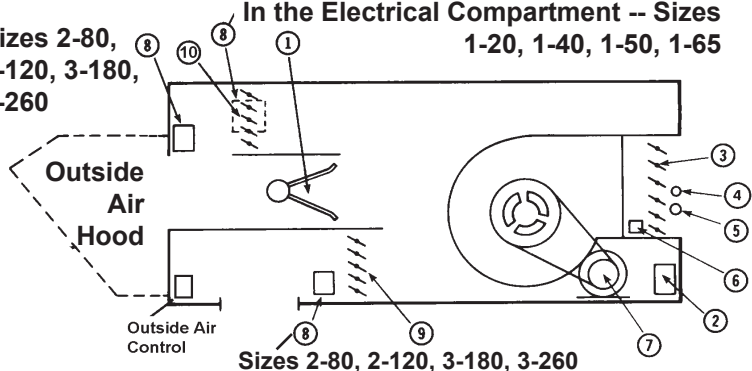
**Dampers and Controls for RDF Systems prior to Series 3 (manufactured before 9/03)**

**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)

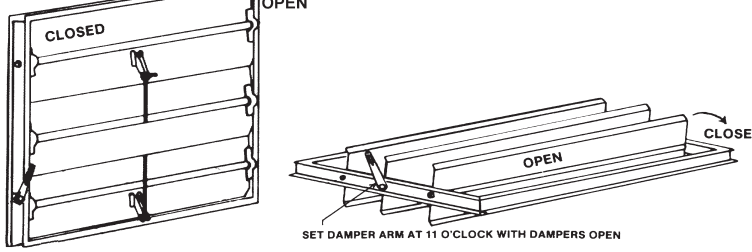
**In the Electrical Compartment -- Sizes 1-20, 1-40, 1-50, 1-65**



**Sizes 2-80, 2-120, 3-180, 3-260**

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

Code	Description	In Option	RDF-1	RDF-2	RDF-3
160	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"
161	Discharge Damper	AQ 3, 4; AR19, 20	86999 - 22"x18"	89355 - 28"x28"	91073 - 37"x37"
162	Bypass Damper Adjustment Arm	AR 22, 23	111309		



**Damper Motor and Accessories by Damper Arrangement and Option**

Code	Description/Damper Arrangement	In Option	RDF-1	RDF-2	RDF-3
163	Motor Discharge, 2-Position, 100% Makeup Air	AQ3, AQ4	87000, M/H M8415A1004	97385, W/R 3402-9	
164	Motor Discharge, Variable Air Volume w/Manual Potentiometer (Code 33, page 5)	AR19	115681*, M/H M9175A1015 (replaces 53928)		
165	Motor Discharge, Variable Air Volume w/Photohelic Pressure Switch (Code 34, page 5)	AR20	87116, M/H M6414A1009	115683*, M/H M6194B1011 (replaces 87059)	
166	Motor Bypass, Variable Air Volume	AR19, AR20, AR22, AR23	87116, M/H M6414A1009	115683*, M/H M6194B1011 (replaces 87059)	
167	Motor Return Air w/Potentiometer (Code 33, pg 5)	AR22	115681*, M/H M9175A1015 (replaces 53928)		
168	Motor Return Air w/Photohelic Pressure Switch (Code 34, pg 5)	AR23	87116, M/H M6414A1009	115683*, M/H M6194B1011 (replaces 87059)	
169	Auxiliary End Switch only for M/H damper motors, M/H Q607B1067		113963	113963	113963
170	Damper Crank Arm, M/H #26026K	(2) AR19,20,22,23; (1) AQ3,4	12635	12635	12635
171	Ball Joint, M/H 27518	(4) AR19,20,22,23; (2) AQ3,4	12636	12636	12636
172	Damper Motor Crank Arm, M/H 221455A	(2) AR19,20,22,23	116209*	116209*	116209*
	Damper Motor Crank Arm & Clip, M/H 7616BR (used w/obsolete mtrs)		20874	20874	20874

\*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.

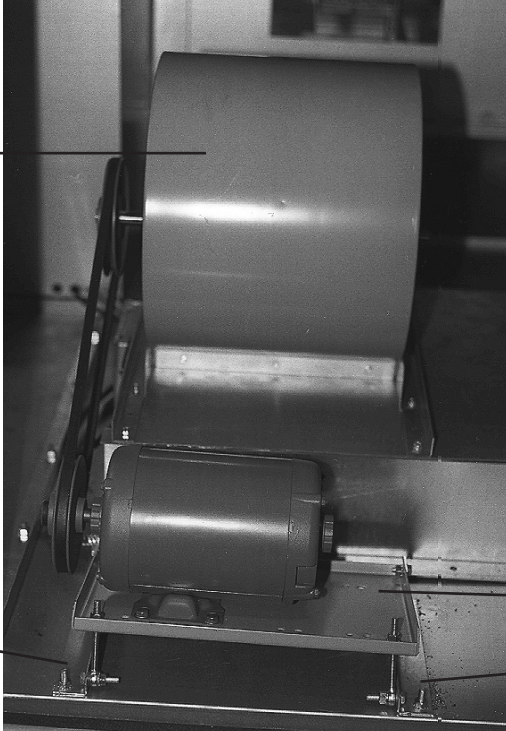
**RDF Systems prior to Series 3 (manufactured before 9/03) (cont'd)**

<p><b>CODE 163 - Damper Motor for 2-Position Discharge Damper, 100% Makeup Air (Options AQ3 and AQ4)</b></p>  <p>P/N 87000, M/H #M8415A1004, used on RDF 1</p> <p>P/N 97385, W/R #3402-9, used on RDF 2 &amp; 3</p>	<p><b>Codes 165, 166 and 168 - 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 87116, M/H #M6414A1009, used on RDF 1</p>  <p>P/N 115683, M/H #M6194B1011 used on RDF 2 &amp; 3</p>	
<p><b>Codes 164 and 167 - Modulating Damper Motor, P/N 115681, M/H M9185A1026, used in Options AR19 and AR22 on RDF 1, 2 &amp; 3</b></p> 	<p><b>CODE 170 - Damper Crank Arm, P/N 12635, M/H #26026K</b></p> 	<p><b>CODE 171 - Ball Joint, P/N 12636, M/H #27518</b></p> 
<p><b>CODE 169 - Auxiliary End Switch, P/N 113963, M/H Q607B1067</b></p> 	<p><b>CODE 172 - Damper Motor Crank Arms</b></p>  <p>P/N 116209, M/H 221455A, used in Options AR19, 20, 22, and 23 (required when replacing obsolete motors; see note on page 18.)</p>	<p>P/N 20874, M/H 7616BR, motor crank arm used with obsolete motor P/N's 53928 and 87059</p> 

**CODE 173 - 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	11560 - 1/4"x16"	89970 - 1/4" x 38"	91428 - 1/4"x24"
Discharge, 2-Position, 100% Makeup Air (Vertical)	AQ3	11560 - 1/4"x16"	89640 - 1/4" x 7-1/2"	89640 - 1/4"x7-1/2"
Discharge, Variable Air Volume w/Potentiometer	AR19	11560 - 1/4"x16"	14226 - 1/4" x 11"	91428 - 1/4"x24"
Discharge, Variable Air Volume w/Pressure Sensor	AR20	11560 - 1/4"x 6"	14226 - 1/4" x 11"	91428 - 1/4"x24"
Bypass, Variable Air Volume & Return Air	AR 19, 20, 22, 23	5120 - 1/4"x7-7/8"	90056 - 1/4" x 5"	89640 - 1/4"x7-1/2"
Return Air w/Potentiometer	AR22	11560 - 1/4"x16"	14226 - 1/4" x 11"	91422 -1/4"x18-1/2"
Return Air w/Pressure Sensor	AR23	11560 - 1/4"x16"	14226 - 1/4" x 11"	91422 -1/4"x18-1/2"

**Blower and Motor Mounting**



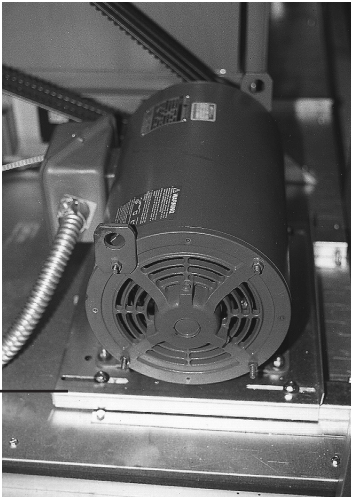
180

183

184

185

**Blower and Motor - RDF 1**

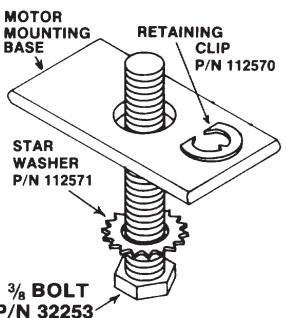


183

**Blower Motor - RDF 2 and 3**

See P/N's on page 20.

**Hardware for 3/8" Motor Mounting Bolts**



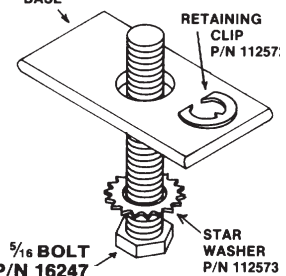
MOTOR MOUNTING BASE

RETAINING CLIP P/N 112570

STAR WASHER P/N 112571

3/8 BOLT P/N 32253

**Hardware for 5/16" Motor Mounting Bolts**



MOTOR MOUNTING BASE

RETAINING CLIP P/N 11257.

STAR WASHER P/N 112573

5/16 BOLT P/N 16247

**Blower and Motor Mounting (cont'd)** - See illustrations on page 19.

CODE	Description	1-20	1-40	1-50	1-65	2-80	2-120	3-180	3-260	
180	Blower with shaft and bearings	P/N	1357	1360	86983	86984	92343*	89345	91067	91069
		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				Class 1	Class 1	Class 1	Class 1	Class 1
		Shaft				1"	1-7/16"	1-7/16"	1-7/16"	1-11/16"
		P/N	—	—	—	—	89658	—	91068	91070
		Size					18"		22"	30"
		Mfg #					0217142-15 A18-18A		029353-01 A22-22K	029353-03 A30-22K
		Class					Class 2		Class 2	Class 2
Shaft					1-7/16"		2-3/16"	2-11/16"		
180A	Blower Shaft	Class 1 Blowers	11302 3/4x22	11303 1x22	100747 1x23	100748 1x28.8	100748 2x28.8	100746 1.44x37.25	100751 1.44x45.73	100754 1.69x46.25
		Class 2 Blowers	—	—	—	—	100749 1.44x38.5"	—	100752 2.19x45.75"	101705 2.69x46.25"
180B	Blower Bearings	Class 1 Blowers	7310	10437				106942	106942	100755
				Ball Bearings (2)				1.44"	1.44"	1.69"
								Pillowblock (2)		
		Class 2 Blowers	—	—	—	—	106942 1.44"	—	100753 2.19"	101710 2.69"
							Pillowblock (2)		Pillowblock (2)	
181	External Shaft Support Bearing Plate - for units with dampers (Options AQ3, AQ4 and/or AR19, AR20, AR22, AR23)	111389					126588**	126588**	—	
182	Bearing BF-1127-502-A - for units	111390								
183	Blower Motor Mounting Plate with dampers, Options AQ3, AQ4, and/or AR19, AR20, AR22, AR23)	12578				94371				
184	Motor Mounting Plate Left Support	87015				94369				
185	Motor Mounting Plate Right Support	87016				94369				
186	Blower Support (Horizontal Discharge)	207840				(2)207461		(3)207462		
*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.

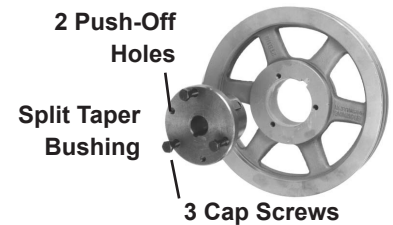
In **RDF-2 and RDF-3 models with 7-1/2 HP and larger motors** (units with adjustable Browning motor sheave Model MV), follow these instructions for adjusting RPM:

- 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.



**Notes and Key to Option Codes on Drive Tables, pages 21-27**

Option .....	RPM	Option .....	RPM	Option .....	RPM	Option .....	RPM
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.)	CODE 200 - Motor Sheave			CODE 201- Blower Sheave			CODE 202 - 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	-

**Drive Components (cont'd)**

Model RDF 1-20 (cont'd)														
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - 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	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	3/4	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	3/4	50474	A47	-		
	AL7	H	AM21-24	16151	1VP56		110807	AK56H		101412	A42	105487		
	AL7-AK8	V	AM21-24	106748	1VL40	7/8	105478	AK41	3/4	50474	A47	-		
	AL7-AK8	H	AM21-24	106748			105478			101412	A42	-		
2 HP Drive Components for Model RDF 1-20 Series 3 only														
2	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		7/8	105478		AK41	3/4	50474	A47	-
	AL8	H	AM21-24	106748				105478				101412	A42	-
	2 HP Drive Components for Model RDF 1-20 prior to Series 3													
	2	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		5/8	105478		AK41	3/4	50474	A47
AL8		H	AM21-24	16151	1VP56				105478				101412	A42

**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 21.)	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	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							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							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 HP Drive Components for Model RDF 1-40 Series 3 only													
2	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			1VM50	7/8		105482	AK56	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													
2	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		5/8	105482		AK56	50475	A49	
	AL8	H	AM12-17	105476				105482			101412	A42	
	AL8	V	AM18-21	13013	1VM50		5/8	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			7/8	111609		19111	AK84	50513	A52
	AL9	H	AM18-21	106748						19111		50473	A46

Model RDF 1-40 (cont'd)											
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	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.
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			7955			16134	A57
	AL10	H	AM19-23	8973			7955			88558	A50

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

Model RDF 1-50											
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	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			19111			88558	A50
	AL6-AK8	H	AM4-6	106748			19111			50473	A46
	AL6	V	AM7-11	7962	1VL40	5/8	18797	AK64	1	50474	A47
	AL6	H	AM7-11	7962			18797			101412	A42
	AL6-AK8	V	AM7-11	106748			18797			50474	A47
	AL6-AK8	H	AM7-11	106748			18797			101412	A42
1-1/2	AL7	V	AM4-6	7962	1VL40	5/8	19111	AK84	1	88558	A50
	AL7	H	AM4-6	7962			19111			50473	A46
	AL7-AK8	V	AM4-6	106748			19111			88558	A50
	AL7-AK8	H	AM4-6	106748			19111			50473	A46
	AL7	V	AM7-11	7962	1VL40	5/8	18797	AK64	1	50474	A47
	AL7	H	AM7-11	7962			18797			101412	A42
	AL7-AK8	V	AM7-11	106748			18797			50474	A47
	AL7-AK8	H	AM7-11	106748			18797			101412	A42
2	2 HP Drive Components for Model RDF 1-50 Series 3 only										
	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			18797			50474	A47
	AL8	H	AM7-11	106748			18797			101412	A42
	2 HP Drive Components for Model RDF 1-50 prior to Series 3										
	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	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	7/8	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			50476	A58
	AL10	H	AM14-18	8973			30621			16131	A54

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

Model RDF 1-50											
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	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			19111			88558	A50
	AL6-AK8	H	AM4-6	106748			19111			50473	A46
	AL6	V	AM7-11	7962	1VL40	5/8	18797	AK64	1	50474	A47
	AL6	H	AM7-11	7962			18797			101412	A42
	AL6-AK8	V	AM7-11	106748			18797			50474	A47
	AL6-AK8	H	AM7-11	106748			18797			101412	A42
1-1/2	AL7	V	AM4-6	7962	1VL40	5/8	19111	AK84	1	88558	A50
	AL7	H	AM4-6	7962			19111			50473	A46
	AL7-AK8	V	AM4-6	106748			19111			88558	A50
	AL7-AK8	H	AM4-6	106748			19111			50473	A46
	AL7	V	AM7-11	7962	1VL40	5/8	18797	AK64	1	50474	A47
	AL7	H	AM7-11	7962			18797			101412	A42
	AL7-AK8	V	AM7-11	106748			18797			50474	A47
	AL7-AK8	H	AM7-11	106748			18797			101412	A42
2	2 HP Drive Components for Model RDF 1-50 Series 3 only										
	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			18797			50474	A47
AL8	H	AM7-11	106748	18797			101412			A42	
2	2 HP Drive Components for Model RDF 1-50 prior to Series 3										
	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			18797			50474	A47
AL8	H	AM7-11	7962	18797			101412			A42	

**Drive Components (cont'd)**

Model RDF 1-50 (cont'd)											
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	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	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

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

Model RDF 1-65													
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - 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	1	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	1	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	-	
2	2 HP Drive Components for Model RDF 1-65 Series 3 only												
	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			19111	50475	A49	-
	AL8	H	AM4-6	106748						19111	50473	A46	-
	AL8	V	AM7-11	106748	1VL40	7/8	18797	AK64	1	50472	A45	-	
	AL8	H	AM7-11	106748			18797			50470	A43	-	
	2 HP Drive Components for Model RDF 1-65 prior to Series 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			19111			50475	A49	-	
AL8	H	AM4-6	7962				19111			50473	A46	-	
AL8	V	AM7-11	7962	1VL40	7/8	18797	AK64	1	50472	A45	-		
AL8	H	AM7-11	7962			18797			50470	A43	-		
3	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	-	

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

Model RDF 2-80 with a CLASS 2 BLOWER														
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt		CODE 203 - Bushing		
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty		Mfr No.	
2	2 HP Drive Components for Model RDF 2-80 Series 3 only													
	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	
2 HP Drive Components for Model RDF 2-80 prior to Series 3														
3	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	
	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	2BK160H	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

Model RDF 2-80 with a CLASS 2 BLOWER (cont'd)													
Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203 - Bushing
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	
7-1/2	AL11	V	AM10-11	16150	2VP62	1-3/8	114045	2BV110	1-7/16	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	2BK160H	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	89659
	AL15	V	AM10-11	113809			89650	2BK130H		92226	2	B58	89659
	AL15	H	AM10-11	113809	89650		92225			2	B57	89659	
	AL15	V	AM12-16	114047	2MVP45B59		114048	2B5V86		92236	2	BX50	114033
	AL15	H	AM12-16	114047			114048			113805	2	B49	114033
	AL15	V	AM17-20	113808	2VP75		114048	114341		2	BX53	114033	
	AL15	H	AM17-20	113808			114048	92237		2	BX51	114033	
TEFC Motor		Horz/Vert-Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	
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 motor not listed here, contact your Distributor or the Factory Service Department. Be prepared to provide complete Model and Serial No.

**Model RDF-2-80 with a Class 1 Blower** [Effective 8/90 (Serial No. Code APH) all RDF-2-80 Models are equipped with a Class 2 blower. For Model RDF-2-80 with a Class 2 blower, see table above. A Class 2 blower was an available option prior to 8/90.

Motor		AM No. (See page 21.)	Blower RPM Range	Motor Sheave		Blower Sheave		Blower Bushing		Discharge H=Horizontal V=Vertical	Belt			
HP	Option No.			P/N	Mfr No.	P/N	Mfr 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	
		4	551-600	13013	1VP50 (5/8)	92417	AK124	92203	H-1"	V	80838	A77	1	
		5	601-650	13013	1VP50 (5/8)	92418	AK114	92203	H-1"	H	16134	A57	1	
3 and 5	AL9, AL10	3	501-550	7963	2VP42 (1-1/8)	91621	2TB200	6605	Q-1"	V	92403	A76	1	
		4	551-600	7963	2VP42 (1-1/8)	92208	2TB184	6605	Q-1"	H	16133	A56	1	
		5	601-650	7963	2VP42 (1-1/8)	92208	2TB184	6605	Q-1"	V	92404	A74	1	
		6	651-700	7963	2VP42 (1-1/8)	92206	2TB154	6605	Q-1"	H	80839	A72	2	
		7	701-750	7963	2VP42 (1-1/8)	92206	2TB154	6605	Q-1"	V	92406	A89	2	
		8	751-800	7963	2VP42 (1-1/8)	92204	2BK140	92203	H-1"	H	16558	A69	2	
		9	801-850	7963	2VP42 (1-1/8)	92204	2BK140	92203	H-1"	V	92219	A86	2	
		10	851-900	7963	2VP42 (1-1/8)	89650	2BK130	92203	H-1"	H	16558	A69	2	
		11	901-950	7963	2VP42 (1-1/8)	89650	2BK130	92203	H-1"	V	92219	A86	2	
											H	16138	A63	2
											V	92217	A81	2
7.5	AL11	6	651-700	89641	2MVP40B546 (1-3/8)	39458	2TB124	6605	Q-1"	H	16138	A63	2	
		7	701-750	89641	2MVP40B546 (1-3/8)	91631	2TB110	6605	Q-1"	V	92402	A59	2	
		8	751-800	89641	2MVP40B546 (1-3/8)	91631	2TB110	6605	Q-1"	H	80838	A77	2	
		9	801-850	89641	2MVP40B546 (1-3/8)	91632	2TB94	6605	Q-1"	V	92402	A59	2	
		10	851-900	89641	2MVP40B546 (1-3/8)	91632	2TB94	6605	Q-1"	H	80838	A77	2	
		11	901-950	89641	2MVP40B546 (1-3/8)	91633	2TB86	6605	Q-1"	V	92402	A59	2	
		12	951-1000	89641	2MVP40B546 (1-3/8)	91633	2TB86	6605	Q-1"	H	80838	A77	2	
		13	1001-1050	89641	2MVP40B546 (1-3/8)	92205	2TB74	6605	Q-1"	V	92402	A59	2	
10	AL12	7	701-750	89641	2MVP40B546 (1-3/8)	91631	2TB110	6605	Q-1"	H	16134	A57	2	
		8	751-800	89641	2MVP40B546 (1-3/8)	91631	2TB110	6605	Q-1"	V	92403	A76	2	

**Drive Components (cont'd)**

Model RDF 2-120													
* Open Motor		Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201 - Blower Sheave			CODE 202 - Belt			CODE 203 -
HP	Option			P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	Bushing
2 HP Drive Components for Model RDF 2-120 Series 3 only													
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>
2 HP Drive Components for Model RDF 2-120 prior to Series 3													
2	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>	2BK130H		<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>		2BK120H	<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.

Model RDF 3-180														
*Open Motor		Blower Class	Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201- Blower Sheave			CODE 202 - Belt			CODE 203 -
HP	Option				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	<b>114033</b>
	AL10	1	V	AM4-5	<b>87500</b>	2VP36		89652	2BK190H		92312	2	B86	<b>89659</b>
	AL10	1	H	AM2-3	6599	2VP42		115718	2B5V250		92308	2	B92	<b>114033</b>
	AL10	1	H	AM4-5	<b>87500</b>	2VP36		89652	2BK190H		92341	2	BX77	<b>89659</b>
7-1/2 and 10	AL11/12	1	V	AM1	114249	2VP71	1-3/8	115718	2B5V250	1-7/16	115932	2	BX99	<b>114033</b>
	AL11/12	1	V	AM2	106257	2VP60		89652	2BK190H		115933	2	B88	<b>89659</b>
	AL11/12	1	V	AM3	<b>16150</b>	2VP62		89652			115934	2	B89	<b>89659</b>
	AL11/12	1	V	AM4-5	110771	2VP65		114032	2B5V160		92273	2	B84	<b>114033</b>
	AL11/12	1	V	AM6-7	114249	2VP71		114032			92317	2	BX85	<b>114033</b>
	AL11/12	1	V	AM8-9	106257	2VP60		113811	2BK120H		92277	2	BX75	<b>89659</b>
	AL11/12	1	H	AM1	114249	2VP71		115718	2B5V250		92313	2	BX93	<b>114033</b>
	AL11/12	1	H	AM2	106257	2VP60		89652	2BK190H		92322	2	BX79	<b>89659</b>
	AL11/12	1	H	AM3	<b>16150</b>	2VP62		89652			92322	2	BX79	<b>89659</b>
	AL11/12	1	H	AM4-5	110771	2VP65		114032	2B5V160		92277	2	BX75	<b>114033</b>
15 and 20	AL15/16	1	V	AM6-7	114249	2VP71	1-5/8	89651		1-7/16	92277	2	BX75	<b>89659</b>
	AL15/16	1	V	AM8-9	106257	2VP60		113811	2BK120H		92240	2	BX66	<b>89659</b>
	AL15/16	1	V	AM4-5	89644	3MVP40B54		115720	3B5V136		92341	3	BX77	<b>114033</b>
	AL15/16	1	V	AM6-7	115719	3MVP50B64		115721	3B5V154		92274	3	BX81	<b>114033</b>
	AL15/16	1	V	AM8-10	89645	3MVP45B59		115722	3BK120H		92231	3	B74	<b>89659</b>
	AL15/16	1	V	AM11-14	89644	3MVP40B54		115723	3BK90H		92241	3	BX68	<b>89659</b>
15 and 20	AL15/16	2	V	AM2-3	89645	3MVP45B59	1-5/8	115943	3B5V184	2-3/16	92310	3	B87	<b>116205</b>
	AL15/16	2	V	AM4-6	89644	3MVP40B54		115720	3B5V136		92341	3	BX77	<b>116205</b>

Model RDF 3-180 (cont'd)														
*Open Motor		Blower Class	Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201- Blower Sheave			CODE 202 - Belt			CODE 203 - Bushing
HP	Option				P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	
15 and 20	AL15/16	2	V	AM7-9	89644	3MVP40B54	1-5/8	115935	3B5V110	2-3/16	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	3MVP40B54		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

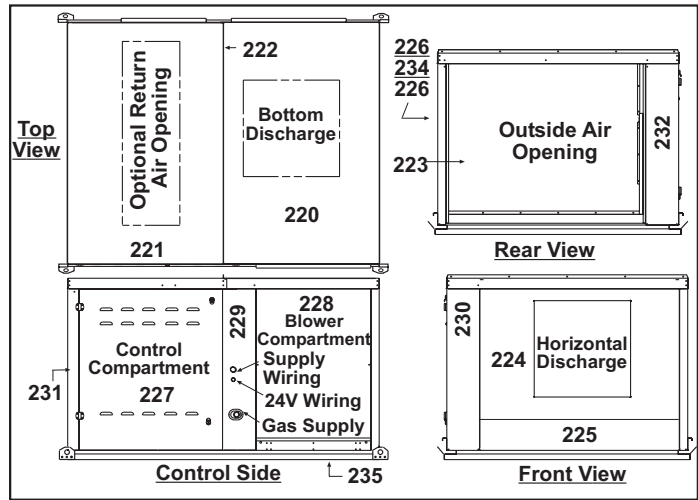
\* If drive components are required for units with a 5-15HP TEFC or 5-15 HP Premium Efficiency motor, contact your Distributor or the Factory Service Department. Be prepared to provide complete Model and Serial No.

Model RDF 3-260														
*Open Motor		Blower Class	Horz/Vert Discharge	Drive Option (See page 21.)	CODE 200 - Motor Sheave			CODE 201- Blower Sheave			CODE 202 - Belt			CODE 203 - Bushing
HP	Option				P/N	Mfr No.	Bore	P/N	Mfr No.	Bore	P/N	Qty	Mfr No.	
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			2VP60			115941	92316	2	BX103
	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	3MVP50B64		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	4MVP50B69	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	H	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.

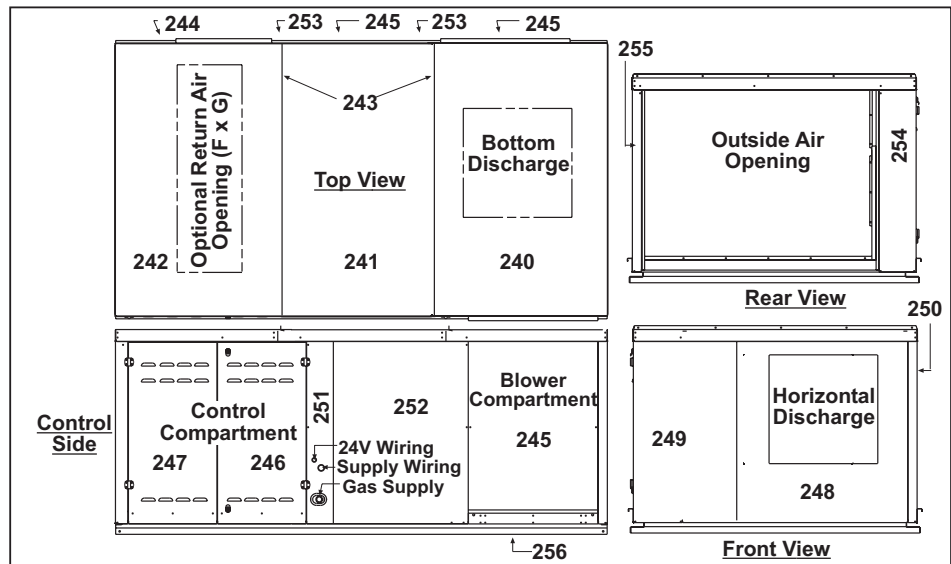
### Cabinet Parts for Models RDF-1 Series 3

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 Assy for unit with bottom discharge (includes insulation)	86848			
225	Motor Access Panel Assy - Horizontal Discharge Only	94360			
226	Side Panel Assy (includes insulation)	86848			
227	Front Panel Assembly for unit with bottom discharge (includes insulation)	86848			
228	Burner/Control Door Assy	204476			
228A	Positioning Hinge (Part of CODE 228)	158800			
229	Blower Section Door Assy	90321			
230	Center Post Outer Cover	86868			
231	Front Corner Post Outer Cover	(2) 86865			



Code	Description	Model RDF Series 3			
		1-20	1-40	1-50	1-65
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			
242	Top Rear	89559	91174		
243	Top Clamp	89562	(2) 91179		
244	Right Rear Side Door Assy	203745	204558		
245	Side Door Assembly	(2) 89510	(3) 91116		
246	Fmnt Burner/Cntrl Door Assy	204498	204559		
247	Rear Burner/Control Door Assy	204497	204560		
247A	Positioning Hinge	158800 (Part of 247)			
248A	Fmnt Pnl Assy including Duct Assy - Horizontal Discharge	89519	91125		
248B	Fmnt Pnl Assy - Bottom Discharge	89967	91212		
249	Left Front Corner Post Outer Cover	89547	91157		

Code	Description	Model RDF			
		2-80	2-120	3-180	3-260
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	204707	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 (See component lists below)	RDF-1	RDF-2	RDF-3
100% Outside Air Inlet Hood (Same as Option AS2)	69594	68774	71150
100% Outside Air Inlet Hood w/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

Outside Air Hood for RDF-1, Opt AS2, Pkg P/N 69594			Outside Air Hood w/Filter Rack & 1" Permanent Filters for RDF-1, Opt AS6, Pkg P/N 69596			Outside Air Hood w/Filter Rack & 2" Permanent Filters for RDF-1, Opt AS7, Pkg P/N 72623		
P/N	Components	Qty	P/N	Component Description	Qty	P/N	Component Description	Qty
87520	Hood Top	1	87520	Weather Hood Top	1	87520	Weather Hood Top	1
87522	Hood Left Side	1	87521	Filter Adapter Side	1	87521	Filter Adapter Side	1
87523	Hood Right Side	1	87522	Hood Left Side	1	87522	Hood Left Side	1
87525	Louver Left Side	1	87525	Louver Left Side	1	87525	Louver Left Side	1
87526	Louver Right Side	1	87526	Louver Right Side	1	87526	Louver Right Side	1
87527	Louver	11	87527	Louver	11	87527	Louver	11
87529	Screen Angle	2	87529	Screen Angle	2	87529	Screen Angle	2
87530	Hood Bottom	1	87530	Hood Bottom	1	87530	Hood Bottom	1
87528	Screen 39X35-1/4	1	87531	Hood Right Corner-	1	87531	Hood Right Corner-	1
11813	S/M Screw #10-16x1/2	34	87532	Filter Chnnl Top/Btm Assy	2	87534	Right Side Filter Angle	1
			87533	Filter Channel Top/Btm	2	87535	Right Side Filter Support	1
			87534	Right Side Filter Angle	1	87536	Top Filter Block Off Plate	1
			87535	Right Side Filter Support	1	87538	Filter Door	1
			87536	Top Filter Block Off Plate	1	94137	Filter Channel Top/Bot 2"	2
			87537	Btm Filter Block Off Plate	1	94220	Filter Channel Top/Btm Assy	2
			87538	Filter Door	1	94383	Perm Alum Filter 12x35x2	3
			87528	Screen 39X35-1/4	1	87528	Screen 39X35-1/4	1
			11813	S/M Screw #10-16x1/2	54	11813	S/M Screw #10-16x1/2	54
			87251	Perm Alum Filter 12X35X1	3			

Filter Rack Assembly w/1" Filters for RDF-1, Opt AW3, Pkg P/N 69597			Filter Rack Assembly w/2" Filters for RDF-1, Opt AW6, Pkg P/N 72624		
P/N	Component Description	Qty	P/N	Component Description	Qty
87532	Filter Channel Top/Btm Assy	2	87536	Top Filter Block Off Plate	1
87533	Filter Channel Top/Btm	2	87538	Filter Door	2
87538	Filter Door	2	87859	Filtr Cab Right Rear Corner	2
87859	Filtr Cab Right Rear Corner	2	87860	Filter Cabinet Right Corner	2
87860	Filter Cabinet Right Corner	2	87861	Filter Cabint Bottom Panel	1
87861	Filter Cabinet Btm Panel	2	87862	Filter Cabinet Top	1
87862	Filter Cabinet Top	1	94137	Filter Channel Top/Bot 2"	2
87251	Perm Alum Filter 12X35X1	3	94220	Filter Channel Top/Btm Assy	2
11813	S/M Screw #10-16x1/2	44	94383	Perm Alum Filter 12x35x2	3
			11813	S/M Screw #10-16x1/2	44

Outside Air Hood for RDF-2, Opt AS2, Pkg P/N 68774			Outside Air Hood w/Filter Rack & 1" Permanent Filters for RDF-2, Opt AS6, Pkg P/N 68739			Outside Air Hood w/Filter Rack & 2" Permanent Filters for RDF-2, Opt AS7, Pkg P/N 72625		
P/N	Components	Qty	P/N	Component Description	Qty	P/N	Component Description	Qty
89972	Hood Bottom	1	89972	Hood Bottom RDF-2	1	89972	Hood Bottom RDF-2	1
89975	Louver Left Side	1	89975	Louver Left Side RDF-2	1	89975	Louver Left Side RDF-2	1
89976	Louver Right Side	1	89976	Louver Right Side RDF-2	1	89976	Louver Right Side RDF-2	1
89977	Louvers	14	89977	Louvers RDF-2	14	89977	Louvers RDF-2	14
89978	Screen	1	89978	Screen RDF-2	1	89978	Screen RDF-2	1
89979	Screen Angle	1	89979	Screen Angle	1	89979	Screen Angle	1
89980	Filter Adapter Right	1	89980	Filter Adapter Right RDF-2	1	89980	Filter Adapter Right RDF-2	1
89981	Right Corner	1	89981	Rightt Corner RDF-2	1	89981	Right Corner RDF-2	1
89988	Filter Door	2	89982	Filtr Channel Top/Btm Assy	3	89986	Top Filter Blockoff Plate	1
90220	Top Front	1	89983	Filtr Channel Top/Btm RDF-2	2	258249	Btm Filter Block Off Plate	1
90221	Top Rear	1	89986	Top Filter Blockoff Plate	1	89988	Filter Door RDF-2	2
90222	Top Clamp	1	258249	Btm Filter Blockoff Plate	1	90220	Hood Top Front RDF-2	1
91581	Support	6	89988	Filter Door RDF-2	2	90221	Hood Top Rear RDF-2	1
95279	Left Corner	1	90220	Hood Top Front RDF-2	1	90222	Hood Top Clamp RDF-2	1
95280	Filter Adapter Left	1	90221	Hood Top Rear RDF-2	1	91581	Support	6
7328	Nut, Hex 1/4-20 Keps	6	90222	Hood Top Clamp RDF-2	1	94221	Filter Channel Top/Btm Assy	3
10393	1/4-20X5/8" Hwhsltrs Z	6	91581	Support	6	94222	Filter Channel Top/Bot 2"	2
11813	S/M Screw #10-16x1/2	44	95279	Left Corner	1	95279	Left Corner	1
41463	14 X 3/4" Hwslsms Abz Screw	3	95280	Filter Adapter Left	1	95280	Filter Adapter Left	1
			7328	Nut, Hex 1/4-20 Keps	9	94382	Perm Aluminum Filter 12x24x2"	4
			10393	1/4 - 20 X 5/8" Hwhsltrs Z	9	94383	Perm Aluminum Filter 12x35x2"	4
			11813	S/M Screw #10-16x1/2 Ab Stalgd	64	7328	Nut, Hex 1/4-20 Keps	6
			41463	14 X 3/4" Hwslsms Abz Screw	3	10393	1/4 - 20 X 5/8" Hwhsltrs Z	6
			87251	Perm Alum Filter 12X35X1	4	11813	S/M Screw #10-16x1/2	64
			89353	Perm Alum Filter 12X24X1	4			

**CODE 270 (cont'd) - Screened Air Inlet Hoods for Outdoor Units and Filter Sections for Indoor Units**

Filter Rack Assembly w/1" Filters for RDF-2, Opt AW3, Pkg P/N 68775			Filter Rack Assembly w/2" Filters for RDF-2, Opt AW6, Pkg P/N 72626		
P/N	Component Description	Qty	P/N	Component Description	Qty
89982	Filtr Channel Top/Btm Assy Rdf2	3	89986	Top Filter Blockoff Plate Rdf2	1
89983	Filtr Channel Top/Btm Rdf-2	2	258249	Btm Filtr Block Off Plate Rdf-2	1
89986	Top Filter Blockoff Plate Rdf2	1	89988	Filter Door Rdf-2	2
258249	Btm Filtr Block Off Plate Rdf-2	1	89989	Filtr Cab Rt Rear Corner Rdf-2	2
89988	Filter Door Rdf-2	2	89990	Filtr Cab Rt Corner Rdf-2	2
89989	Filtr Cab Rt Rear Corner Rdf-2	2	89991	Filtr Cab Bottom Pan Rdf-2	1
89990	Filtr Cab Rt Corner Rdf-2	2	89992	Filtr Cab Top Rdf-2	1
89991	Filtr Cab Bottom Pan Rdf-2	1	94221	Filter Channel T/B Assy Rdf2	3
89992	Filtr Cab Top Rdf-2	1	94222	Filter Channel Top/Bot 2" Rdf2	2
114335	Filter Block Off Plate	4	94382	Perm Aluminum Filter 12x24x2"	4
87251	Perm Alum Filter 12X35X1	4	94383	Perm Aluminum Filter 12x35x2"	4
89353	Perm Alum Filter 12X24X1	4	114336	Filter Blockoff Plate	4
11813	S/M Screw #10-16x1/2	54	11813	S/M Screw #10-16x1/2	54

Outside Air Hood for RDF-3, Opt AS2, Pkg P/N 71150			Outside Air Hood w/Filter Rack & 1" Permanent Filters for RDF-3, Opt AS6, Pkg P/N 71152			Outside Air Hood w/Filter Rack & 2" Permanent Filters for RDF-3, Opt AS7, Pkg P/N 72627		
P/N	Components	Qty	P/N	Component Description	Qty	P/N	Component Description	Qty
91567	Hood Bottom RDF3	1	91567	Hood Bottom RDF3	1	91567	Hood Bottom RDF3	1
91568	Hood Lt Side RDF3	1	91568	Hood Lt Side RDF3	1	91568	Hood Lt Side RDF3	1
91569	Hood Rt Side RDF3	1	91569	Hood Rt Side RDF3	1	91569	Hood Rt Side RDF3	1
91575	Hood Top Front RDF3	1	91575	Hood Top Front RDF3	1	91575	Hood Top Front RDF3	1
91576	Hood Top Rear RDF3	1	91576	Hood Top Rear RDF3	1	91576	Hood Top Rear RDF3	1
91577	Top Clamp RDF3	1	91577	Hood Top Clamp RDF3	1	91577	Hood Top Clamp RDF3	1
91578	Intermediate Post RDF3	2	91578	Intermediate Post RDF3	2	91578	Intermediate Post RDF3	2
91579	Rt/Lt Corner RDF3	2	91579	Rt/Lt Corner RDF3	2	91579	Rt/Lt Corner RDF3	2
91581	Support	6	91580	Filtr Chnl Top/Bottom RDF3	2	91581	Support	6
272444	Rt Side Filtr Support	2	91581	Support	6	272444	Rt Side Filtr Support RDF3	2
91585	Filter Door RDF3	2	272444	Rt Side Filtr Support RDF3	2	91585	Filter Door RDF3	2
113003	Louver Rack Assy	2	91584	Block Off Plate RDF3	2	94223	2" Filtr Chnl Top/Btm Assy RDF3	5
7328	Nut, Hex 1/4-20 Keps	15	91585	Filter Door RDF3	2	94224	Filtr Chnl Top/Btm 2 In RDF-3	2
10393	1/4 - 20 X 5/8" Hwhsltrs Z	15	91586	Filter Channel Top/Btm Assy	5	94383	Perm Alum Filter 12x35x2"	10
11813	S/M Screw #10-16x1/2	100	113003	Louver Rack Assy	2	98764	Bottom Filter Block Off Plate	2
37661	Screw, Teks, #10-16x1/2, S/Drill	4	263784	Filter Block-Off Plate RDF3	6	113003	Louver Rack Assy	2
41463	14 X 3/4" Hwslsms Abz Screw	3	87251	Perm Alum Filter 12X35X1	12	263784	Filter Block-Off Plate RDF3	5
87900	Palnut #Pw-1880-008-21	5	1849	Nuts #C7392-110z-1	5	1849	Nuts #C7392-110z-1	5
			7328	Nut, Hex 1/4-20 Keps	15	7328	Nut, Hex 1/4-20 Keps	15
			10393	1/4 - 20 X 5/8" Hwhsltrs Z	15	10393	1/4 - 20 X 5/8" Hwhsltrs Z	15
			11813	S/M Screw #10-16x1/2	100	11813	S/M Screw #10-16x1/2	100
			37661	Screw, Teks, #10-16x1/2, S/Drill	4	37661	Screw, Teks, #10-16x1/2, S/Drill	4
			41463	14 X 3/4" Hwslsms Abz Screw	3	41463	14 X 3/4" Hwslsms Abz Screw	3

Filter Rack Assembly w/1" Filters for RDF-3, Opt AW3, Pkg P/N 71153			Filter Rack Assembly w/2" Filters for RDF-3, Opt AW6, Pkg P/N 72628		
P/N	Component Description	Qty	P/N	Component Description	Qty
91567	Hood Bottom RDF3	1	91567	Hood Bottom RDF3	1
91579	Hood Rt/Lt Corner RDF3	2	91579	Hood Rt/Lt Corner RDF3	2
91580	Filtr Chnl Top/Bottom RDF3	2	91583	Filtr Cab Duct Angle RDF3	1
91584	Block Off Plate RDF3	2	91585	Filter Door RDF3	2
91585	Filter Door RDF3	2	91587	Filtr Cab Lt/Rt Rear Cmr RDF3	2
91586	Channel Top/Btm Assy RDF3	5	91590	Filtr Cab Top RDF3	1
91587	Filtr Cab Lt/Rt Rear Cmr RDF3	2	94223	2" Filtr Chnl Top/Btm Assy RDF3	4
91590	Filtr Cab Top RDF3	1	94224	Filtr Chnl Top/Btm RDF-3	2
263784	Filter Block-Off Plate RDF3	6	94383	Perm Alum Filter 12x35x2"	10
87251	Perm Alum Filter 12X35X1	12	98764	Bottom Filter Block Off Plate	2
11813	S/M Screw #10-16x1/2	64	263784	Filter Block-Off Plate RDF3	5
			11813	S/M Screw #10-16x1/2	50

**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 below.)						
RDF Series 3	Pkg P/N	2 Curb Side Assembly	1 Curb Front and Back Assy	3, 4, and 5 - Curb Dividers for Ductwork		
RDF-1	204368	(2) 204365	(2) 104655	(4) 203803	(2) 203804	(2) 203806
RDF-2	203980	(2) 204366	(2) 111508	(4) 203977	(2) 203978	(2) 203979
RDF-3	204370	(2) 204369	(2) 111512	(4) 203662	(2) 203663	(2) 203664

Roof Curb Corner Hardware		
For Top Two "Holes"	8	5/16" x 1" Lag Screws, P/N 16243
	8	5/16" Lockwasher, P/N 1333
For Bottom Two "Holes"	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
Hardware to Assemble and Attach Dividers to make Ductwork Openings		
64	#10 Sheetmetal Screws, P/N 11813	

**Model RDF Series 3 - Roof Curb and Duct Opening Dimensions**

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

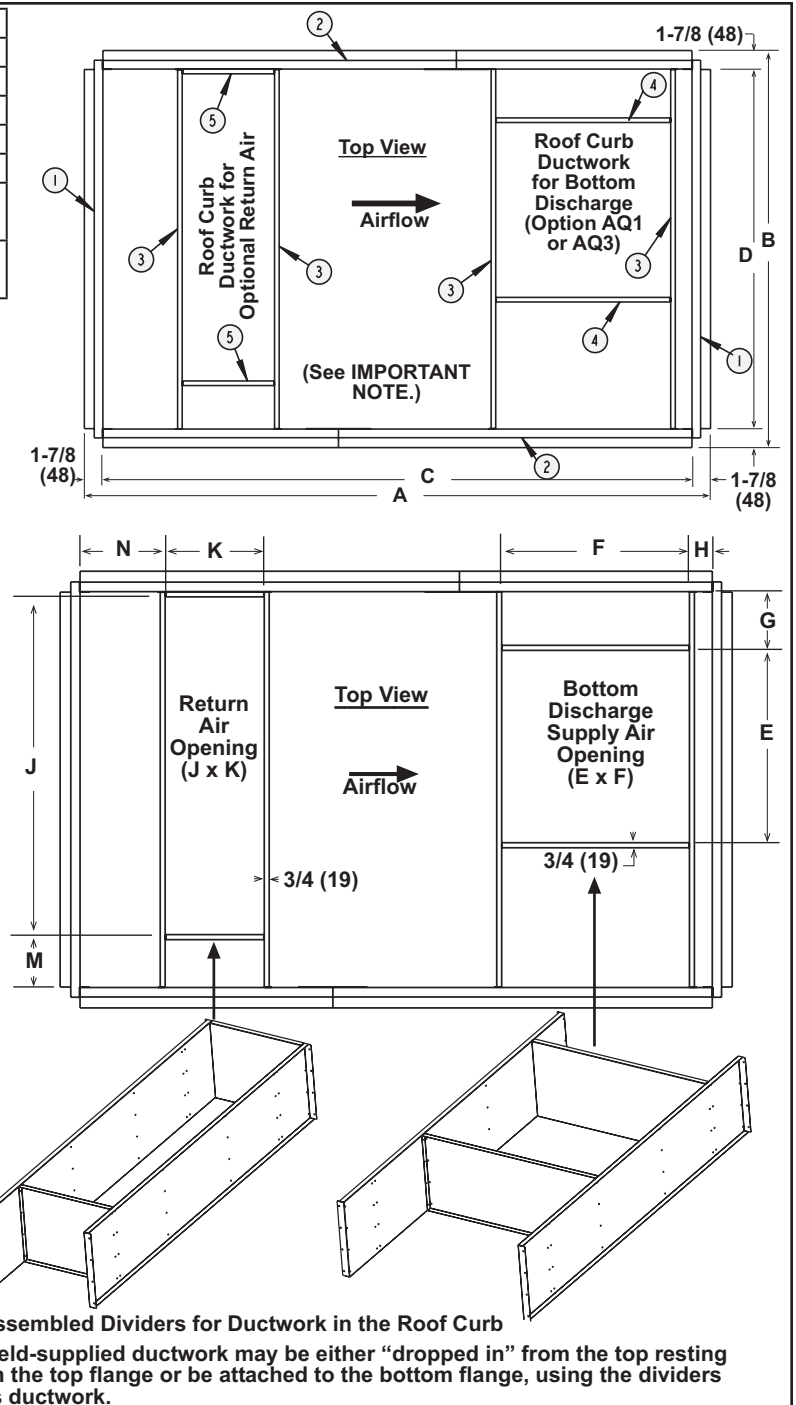
\*\* C and D are roof opening dimensions if curb area is fully open.

**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.

**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.

Roof Curb Duct Opening Dimensions			
Code	RDF-1	RDF-2	RDF-3
inches			
E	23-11/32	28-13/32	38
F	20-1/8	28-11/32	38
G	5	13-15/32	11-19/32
H	10-1/4	7	4-5/8
J	25-1/2	54-11/16	66-3/4
K	11-1/2	17-23/32	20-1/16
M	11-15/32	8	10-15/32
N	11-1/32	11/3/1932	17-1/4
mm			
E	593	722	965
F	511	720	965
G	127	342	294
H	260	178	117
J	648	1389	1695
K	292	432	510
M	291	203	266
N	280	282	438



**Assembled Dividers for 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.

Specifications & illustrations subject to change without notice and without incurring obligations.

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O'Fallon, MO | Printed in U.S.A. (1/18)

Form P-RDF(1-18), P/N 270069 R11