

# Rating Plates and Serial No.

## Sample of System Rating Plate (applies to all models)

**REZNOR®**  
MERCER, PA., U.S.A. 16137

**RCA or RDA**  
MADE IN USA  
FOR INDUSTRIAL/COMMERCIAL USE ONLY  
SUITABLE FOR OUTDOOR USE

MODEL [ A ] [ B ]  
SERIAL NO. [ ]

ELECTRICAL

[D] VOLTS +/- 10% [D] PHASE [D] HZ  
MINIMUM CIRCUIT AMPACITY (MCA) [ F ] AMPS  
MAXIMUM FUSE SIZE/CIRCUIT BREAKER [ G ] AMPS

SUPPLY AIR BLOWER MOTOR 1 [ E ] [ C ]  
CONDENSER FAN MOTOR(S) [ T ] [ U ] [ Z ]

COMPRESSOR(S) A [ H ] [ I ] [ J ]  
COMPRESSOR(S) B [ K ] [ L ] [ M ]  
COMPRESSOR(S) C [ N ] [ O ] [ P ]  
COMPRESSOR(S) D [ Q ] [ R ] [ S ]

CIRCUITS A B C D

REFRIGERANT - [ ] CHARGE - LBS [ V ] [ W ] [ X ] [ Y ]  
TEST PRESSURES HIGH [ AA ] PSIG LOW [ BB ] PSIG  
EQUIPPED FOR OPERATION AT AN AIR FLOW OF [ CC ] SCFM  
AGAINST A STATIC PRESSURE OF [ DD ] INCHES WATER COLUMN.  
DRIVE RPM [ EE ]  
WIRE DIAGRAM [ FF ]  
REFER TO RATING PLATE IN THE FURNACE SECTION (WHEN USED)  
FOR ADDITIONAL INFORMATION.  
\*HACR TYPE REQUIRED PER NEC

### System Rating Plate Key:

- A = Model
- B = Manufacturing Date (Month/Year)
- C = Blower Motor HP
- D = Volts/Phase/Hertz
- E = Full Load Amps of Blower Motor
- F = Minimum Circuit Ampacity
- G = Maximum Fuse Size
- H = Quantity - Compressor A
- I = Rated Load Amps of Compressor A
- J = Locked Rotor Amps of Compressor A
- K = Quantity - Compressor B
- L = Rated Load Amps of Compressor B
- M = Locked Rotor Amps of Compressor B
- N = Quantity - Compressor C
- O = Rated Load Amps of Compressor C
- P = Locked Rotor Amps of Compressor C
- Q = Quantity - Compressor D
- R = Rated Load Amps of Compressor D
- S = Locked Rotor Amps of Compressor D
- T = Quantity Condenser Fan Motors

- U = Rated Load Amps of Condenser(s)
- V = Refrigerant Charge (lbs) - Circuit A
- W = Refrigerant Charge (lbs) - Circuit B
- X = Refrigerant Charge (lbs) - Circuit C
- Y = Refrigerant Charge (lbs) - Circuit D
- Z = Condenser Fan Motor HP
- AA = Test Pressure High (psig)
- BB = Test Pressure Low (psig)
- CC = SCFM Airflow
- DD = External Static Pressure (" w.c.)
- EE = Drive (Option AM)
- FF = Wiring Diagram No.

## Sample of a Gas Heat Section Rating Plate (applies to Models RDCA and RDDA)

**REZNOR®**  
MERCER, PA. USA 16137

**DUCT FURNACE/GÉNÉRATEUR D'AIR CHAUD À GAINÉ**  
CATEGORY III/CATÉGORIE III  
FOR INDUSTRIAL/COMMERCIAL USE ONLY  
POUR USAGE INDUSTRIEL/COMMERCIAL  
ANSI Z33.8b - [ A ]  
CGA 2.6b - [ B ] DUCT FURNACE/GÉNÉRATEUR D'AIR CHAUD À GAINÉ

MODEL/MODÈLE [ G ] [ P ]  
SERIAL NO./#DE SÉRIE: [ ]  
230 VOLTS 1 PH 60 HZ MAXIMUM TOTAL INPUT [ D ] AMPS  
CONSOMMATION TOTALE MAX. DE [ D ] A

TYPE OF GAS/TYPE DE GAZ [ E ]  
ALTITUDE [ Q ] FEET/PIEDS, [ R ] MÈTRES  
LARGE BURNER ORIFICE SIZE [ F ] DRILL HAS BEEN FACTORY ADJUSTED  
GRAND BRÛLEUR DIMENSION DE L'ORIFICE [ F ] FORET  
SMALL BURNER ORIFICE SIZE [ G ] DRILL HAS BEEN FACTORY ADJUSTED  
PETIT BRÛLEUR DIMENSION DE L'ORIFICE [ G ] FORET

NORMAL INPUT/ENTRÉE NORMALE [ H ] BTUHR  
THERMAL OUTPUT CAPACITY/RENDÉMENT THERMIQUE [ I ] BTUHR  
MINIMUM INPUT/ENTRÉE MIN. [ J ] BTUHR  
NORMAL MANIFOLD PRESSURE [ K ] IN.W.C.  
PRESSION NORMALE DE LA TUB [ K ] POICOL D'EAU  
MIN. PERMISSIBLE GAS SUPPLY PRESSURE [ L ] IN.W.C.  
FOR PURPOSE OF INPUT ADJUSTMENT.  
PRES. D'ALIM. MIN. ACCEPTABLE DE GAZ POUR  
DES FIN DE RÉGLAGE DE L'ENTRÉE [ L ] POICOL D'EAU

MAXIMUM THROUGHPUT / MINIMUM THROUGHPUT [ M ] / [ N ] G.F.M.  
CONSOMMATION MAXIMUM / MINIMUM [ M ] / [ N ] P3/MIN

### Gas Heat Section Rating Plate Key:

- A = ANSI Standard Date
- B = CSA Standard Date
- C = Model No.
- D = Amps
- E = Type of Gas (natural or propane)
- F = Orifice Size of Large Burner
- G = Orifice Size of Small Burner
- H = Normal BTUH Input (sea level)
- I = Thermal Output BTUH (sea level)
- J = Minimum BTUH Input (sea level)
- K = Manifold Pressure
- L = Minimum Gas Supply Pressure
- M = Maximum Throughput
- N = Minimum Throughput
- P = Manufacturing Date (Month/Year)
- Q = Altitude in Feet
- R = Altitude in Meters

## Serial No. Decoding

### Decoding a System Serial No.

Serial No. Sample: **3 BDG 553 EL 08 N 78 8B**

Elements of No.: **1 | 2 | 3 | 4 | 5 | 6 | 7 | 8**

Elements 1-5 apply to all models.

Elements 6-7 apply to models with gas heat section (RDCA and RDDA).

- Key:**
- 1 = Phase (1 or 3)
  - 2 = Date CODE (See table on page 3.)
  - 3 = Consecutive number
  - 4 = Drive (See drive components on pages 14-17.)
  - 5 = Motor HP (See explanation on the right.)
  - 6 = Type of Gas (N = Natural; L = Propane)
  - 7 = Ignition CODE (See Form P-Valves.)
  - 8 = Valve CODE (See Form P-Valves.)

Motor HP	Serial No. Code
1/2	03
3/4	04
1	05
1-1/2	06
2	07
3 (3450 rpm)	08
5 (3450 rpm)	09
7	10
7-1/2	11
10	13
3 (1800rpm)	15
5 (1800rpm)	16

# Gas Heat Section - Models RDCA and RDDA (cont'd)

**CODE 155 -  
Burner  
Orifices**




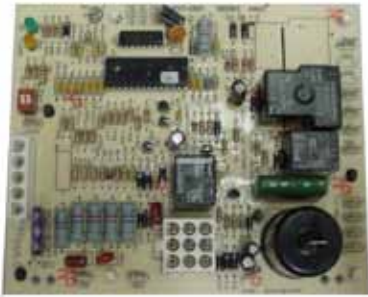



Heat Section with One Split Burner			100	150	200	250	300	350	400
Natural Gas	1/3 Burner Section	P/N	205863	120146	120152	205719	120158	208246	208243
		Size/Marking	2.75 mm	3.4 mm	#23	4.4 mm	#10	#5	5.6 mm
Natural Gas	2/3 Burner Section	P/N	205857	205858	205713	205714	205715	208255	208253
		Size/Marking	#23	#12	7/32"	6.2 mm	6.9 mm	L	7.8 mm
Propane	1/3 Burner Section	P/N	205862	124967	196852	196853	205720	208249	120146
		Size/Marking	1.7 mm	2.10 mm	Brass #39, Drilled #40	Brass #37	2.9 mm	1/8	3.4 mm
Propane	2/3 Burner Section	P/N	205859	205860	205716	205717	205718	208289	208290
		Size/Marking	3/32"	2.9 mm	3.3 mm	3.75 mm	4.1 mm	#16	3/16

Heat Section with One Split Burner and One Non-Split Burner			450	500	550	600	650	700
Natural Gas	1/3 Burner Section	P/N	205719	208247	120167	120157	122177	208244
		Size Marking	4.4 mm	#14	F	#12	5.5 mm	5.7 mm
	2/3 Burner Section	P/N	208250	208251	208254	208252	208252	208256
		Size/Marking	5.7mm	6.0mm	#15	6.8mm	6.8mm	I
Non-Split Burner - Right Venturi*	P/N	205719	208247	120167	120157	122177	208244	
	Size/Marking	4.4mm	#14	F	#12	5.5 mm	5.7 mm	
Non-Split Burner - Left Venturi*	P/N	208250	208251	208254	208252	208252	208256	
	Size/Marking	5.7mm	6.0mm	#15	6.8mm	6.8mm	I	
Propane	1/3 Burner Section	P/N	196853	208937	205863	205720	120145	120147
		Size/Marking	Brass #37	#34	2.75 mm	2.9 mm	3.3 mm	#29
	2/3 Burner Section	P/N	208938	208939	208291	205718	208292	208940
		Size/Marking	#29	3.6mm	5/32	4.1 mm	#21	#19
Non-Split Burner - Right Venturi*	P/N	196853	208937	205863	205720	120145	120147	
	Size/Marking	Brass #37	#34	2.75 mm	2.9 mm	3.3 mm	#29	
Non-Split Burner - Left Venturi*	P/N	208938	208939	208291	205718	208292	208940	
	Size/Marking	#29	3.6mm	5/32	4.1 mm	#21	#19	

\*Left or right when looking into the cabinet or at the closed side of the burner (side opposite the flame).

## Gas Heat Section Controls (quantities not listed are one)

Code	Description	100	150	200	250	300	350	400	450	500	550	600	650	700	
165	Low Gas Pressure Switch	204375, #C6097a1053 (On manifolds with Option BP3 or BP4)													
166	High Gas Pressure Switch	204297, #C6097b1028 (On manifolds with Option BP2 or BP4)													
167	Combustion Air Proving Switch	196388, .50"w.c.			196362, .55"w.c.			197028, .65"w.c.							
168	Direct Spark Ignition Control Board with Cooling Relay	195573									(2) 195573				
168A	Fuse for CODE 168, DSI Control	201685									(2) 201685				
169	DSI Electrode Assembly	207502, 24" lead					208796, 60"lead			(2) 208796, 60"lead					
170	Flame Sensor 1769-82	(2) 195292									(3) 195292			(4) 195292	
171	High Temperature Limit Control	201741, 66" capillary, 240°			148588, Tod 10H11 221300										
172	Wiring Harness Assembly	195656					--								
173	Wiring Harness Assembly	201419					--								

<p><b>CODE 165 - Low Gas Pressure Switch (auto reset), P/N 204375</b></p> 	<p><b>CODE 166 - High Gas Pressure Switch (manual reset), P/N 204297</b></p> 	<p><b>CODE 167 - Combustion Air Proving Switch</b></p> 
<p><b>CODE 168 - Ignition Control, P/N 195573</b></p> <p>If fuse needs to be replaced, use P/N 201685 or field-supplied Type ATC or ATO 3, color violet.</p> 	<p><b>CODE 169 - DSI Electrode Assembly</b></p> 	<p><b>CODE 170 - Flame Sensor, P/N 195292</b></p>  <p><b>CODE 171 - High Temperature Limit Control (capillary style)</b></p>  <p>Located in the blower cabinet.</p>