

# OPTUM

## BH SERIES

### HIGH EFFICIENCY

### GAS-FIRED, UNIT HEATER

### REPLACEMENT PARTS CATALOG

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## IMPORTANT

When ordering replacement parts,  
please specify model and serial number.



Beacon Morris

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TEL: (413) 562-5423

7555 Tranmere Drive, Mississauga Ontario L5S 1L4 Canada

TEL: (905) 670-5888

[www.beacon-morris.com](http://www.beacon-morris.com)



# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question about the warranty, we can answer it at this point. Consultation with our Technical Service Dept. may be required to determine the correct replacement parts, and you will be given a call log number for reference.
- Fill out Beacon Morris's Return Goods Authorization (RGA) Request Form, available on SalesAssistant.com. Submit the form to Beacon Morris along with an order for the necessary parts. Be sure to include the call log number on both the form and the parts order.
- Once your order and completed RGA form are received, Beacon Morris will enter the order and issue you an RGA, if applicable, with instructions on how and where to send the defective parts.
- An invoice will be generated and mailed. The invoice may list the call log number, RGA number and state "a RGA has been issued." Once the defective item has been returned and confirmed as "defective in warranty," a credit will be issued for the original invoice amount.
- Returned goods must ship back within 30 days from date of RGA. If we do not receive the parts within 30 days, the RGA will be voided. Parts returned and found to be valid under warranty will be credited for parts only. If our inspection reveals that the parts returned are in a non-warranty condition, no credit will be issued. Freight is not covered under warranty.

In order to ensure the orderly processing of your warranty claim, it is **MANDATORY** that certain paperwork accompany any and all goods returned to Beacon Morris. It is also mandatory that goods be sent to the proper location.

In order to ensure proper handling of these goods, Beacon Morris **MUST** formally authorize the return of material to our various facilities under any circumstance. Any material returned without authorization will not be accepted.

In order to ensure that your properly authorized returns are accepted at our plant, you **MUST** clearly mark any and all shipping papers with an RGA number; Beacon Morris will not accept shipments that do not clearly show an RGA number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid.  
Collect Shipments will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY  
REPLACEMENT PARTS NOT LISTED IN THIS PUBLICATION.  
LIMITED AVAILABILITY ON CERTAIN OBSOLETE EQUIPMENT.  
TEL. 413-562-5423                      [www.beaconmorris.com](http://www.beaconmorris.com)

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon Morris's plant.

Beacon Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon Morris.

# OPTUM - BH SERIES

## HIGH EFFICIENCY GAS-FIRED UNIT HEATER

### UNIT NUMBER DESCRIPTION

<b>Digit</b>	<b>N</b>	<b>X</b>	<b>X</b>	<b>X</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>+</b>
<b>Item</b>	Prefix					UT		CA		FT	FM	GT	AL	GC	SV	MT	MS	DL	AS		

(Internal Use Only)

**1,2 - Unit Type [UT]**  
**BH** - High Efficiency Unit Heater

**3,4,5 - Capacity [CA]**  
**050** - 50,000 BTU/HR  
**100** - 100,000 BTU/HR  
**150** - 150,000 BTU/HR  
**200** - 200,000 BTU/HR  
**300** - 300,000 BTU/HR  
**400** - 400,000 BTU/HR

**6 - Furnace Type [FT]**  
**A** - Right Side Access

**7 - Heat Exchanger (Furnace) Material [FM]**  
**1** - Stainless Steel Tubes with Aluminum and Brass Fins  
*Note: Stainless Steel Flue Collector is standard.*

**8 - Gas Type [GT]**  
**N** - Natural Gas  
**P** - Propane Gas (LP)

**9 - Altitude [AL]**  
**S** - 0-11,999 ft.  
*Note: Installations over 2,000 ft. require gas input deration in the field. Refer to unit installation instructions.*

**10 - Direct Spark Gas Control [GC]**  
**1** - Modulating w/Outside Air Reset (Master)  
**2** - Modulating w/Outside Air Reset (Network)  
**3** - Modulating w/Indoor Air Reset  
**4** - Modulating w/2-10 VDC/4-20 mA Input  
**5** - Modulating w/Room Sensing  
**6** - Two Stage

**11 - Supply Voltage [SV]**  
**1** - 115/1/60      **5** - 230/3/60  
**2** - 208/1/60      **6** - 460/3/60  
**3** - 230/1/60      **7** - 575/3/60  
**4** - 208/3/60      **Z** - Special  
*Note: Supply Voltage [SV] 2-7 include field mounted step down transformer.*

**12 - Motor Type [MT]**  
**1** - Open Drip Proof (Standard)

**13 - Blower Motor Sizes [MS]**  
**0** - Not applicable

**14 - Design Level [DL]**  
**B** - Second design level

**15+ - Accessories [AS]**

**†FIELD INSTALLED (AS-\_\_\_\_)**  
*†All Field Installed Accessories are to be entered as a separate line item using the catalog number which utilizes "11AS" as a prefix. i.e: G3 becomes 11AS-G3*

**A7** - High Pressure Regulator  
**A7-1/2-1** - Regulator for PSI range 0.5-10  
**A7-3/8-1** - Regulator for PSI range 10-20  
**A7-5/16-1** - Regulator for PSI range 20-35

**E9** - Condensate Neutralizer (Inline)  
**EW** - Condensate Neutralizer (Wall Mounted)

**G1** - 1-Stage Mercury Free Thermostat (Round)  
**G2** - 1-Stage Mercury Free Thermostat w/Guard Kit  
**G3** - 1-Stage Mercury Free Thermostat/Fan Switch  
**G5** - 2-Stage Mercury Free Thermostat w/Fan Switch  
**G6** - Locking Thermostat Cover  
**G9** - 1-Stage Mercury Free Heating Only Thermostat  
**GW** - WiFi Thermostat TH8321WF1001/u

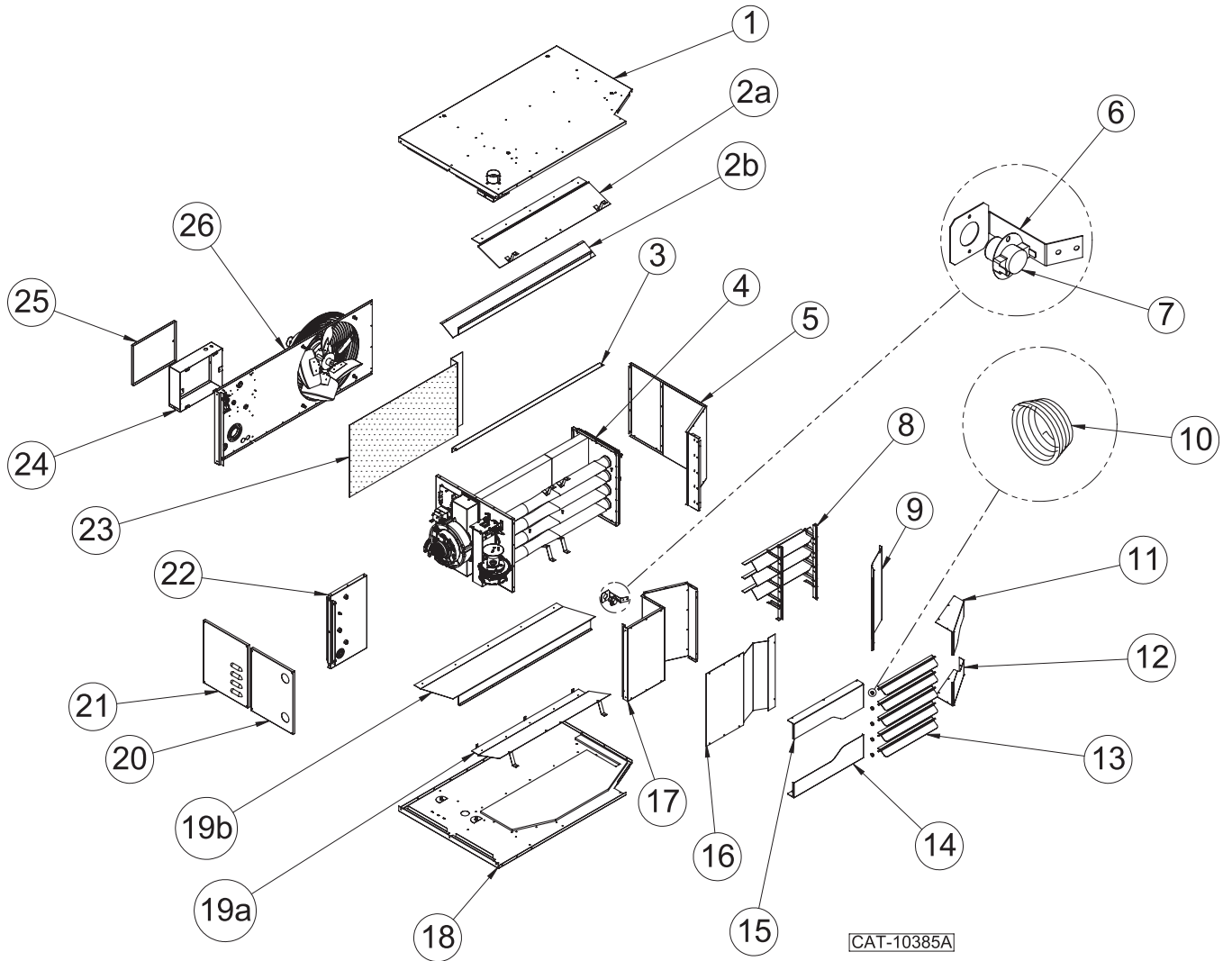
**H9** - Stratification Sensor

**K8** - Condensate Pump  
**K9** - Condensate Pump Shelf

**Y2** - 2" PVC Concentric Vent Kit (50-150 MBH)  
**Y3** - 3" PVC Concentric Vent Kit (200 MBH)  
**Y4** - 4" PVC Concentric Vent Kit (300-400 MBH)

# BH SERIES 050-400 MBH REPLACEMENT PARTS

Figure 1 - Exploded View, Whole Unit



# BH SERIES 050-400 MBH REPLACEMENT PARTS

Figure 2 - Exploded View, Burner Compartment

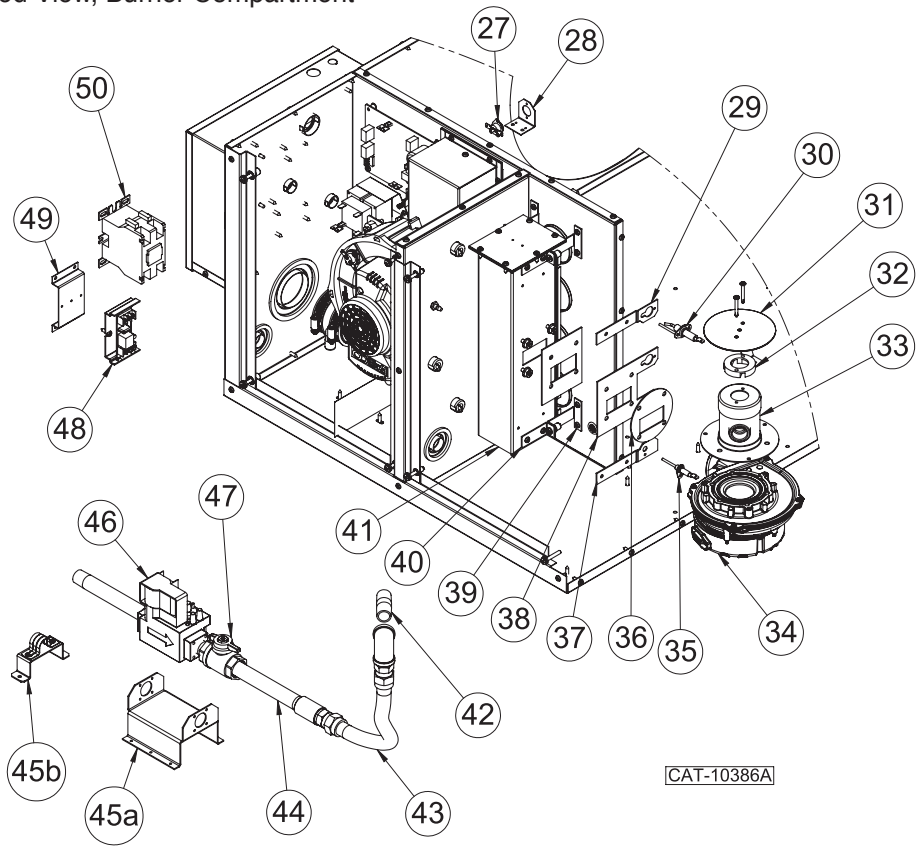
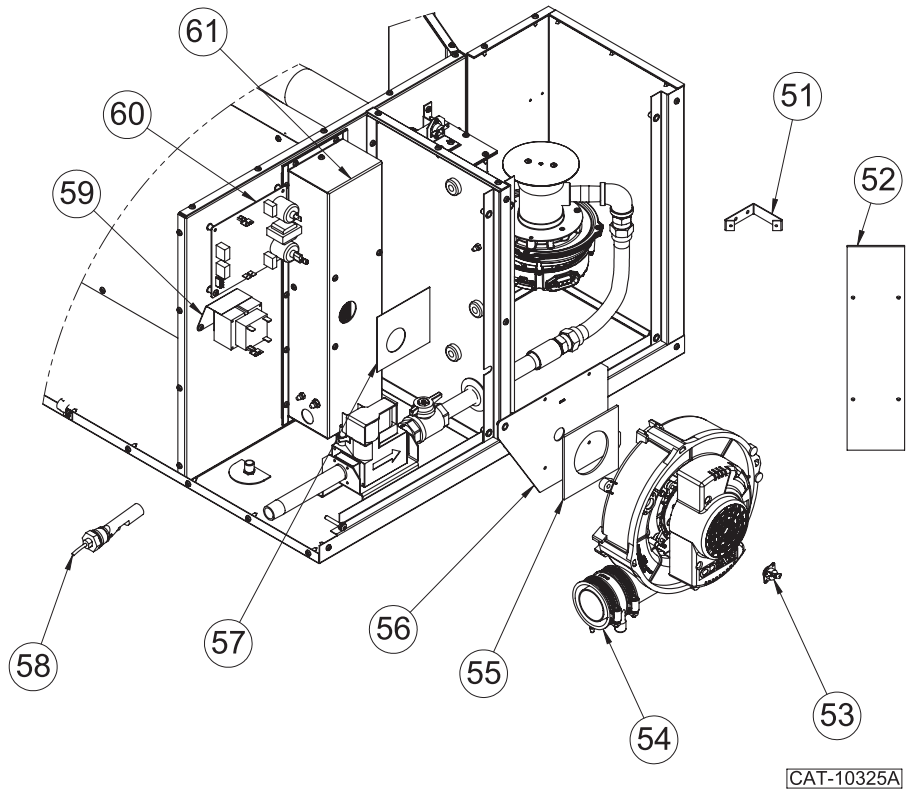
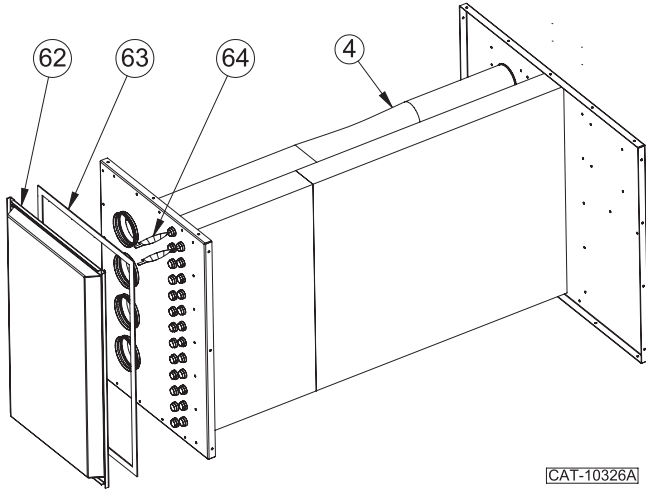


Figure 3 - Exploded View, Power Venter Compartment

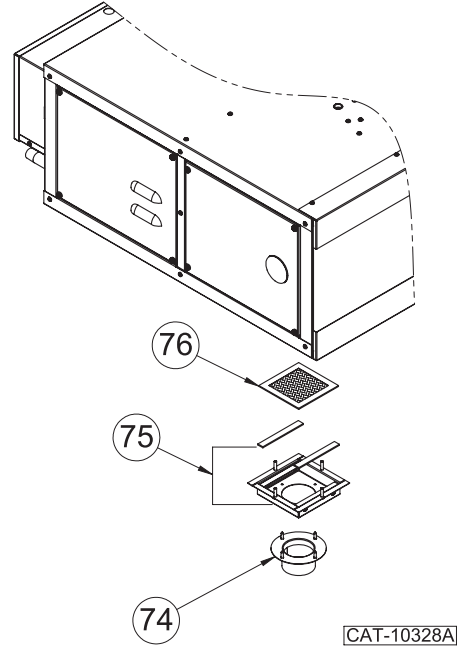


# BH SERIES 050-400 MBH REPLACEMENT PARTS

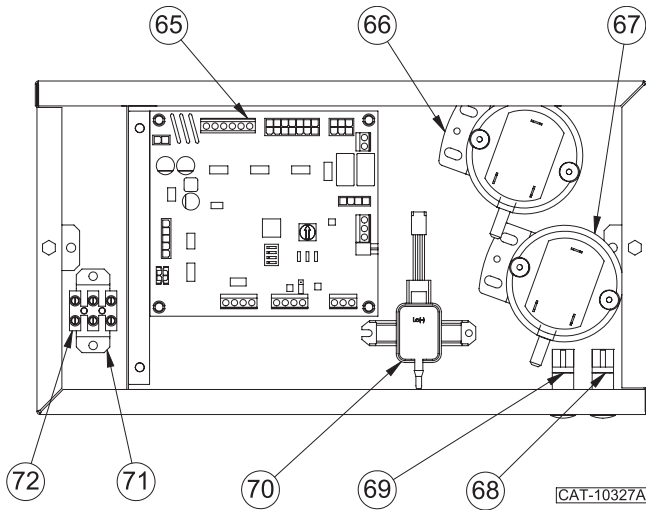
**Figure 4 - Vestibule Panel/Heat Exchanger Assembly**



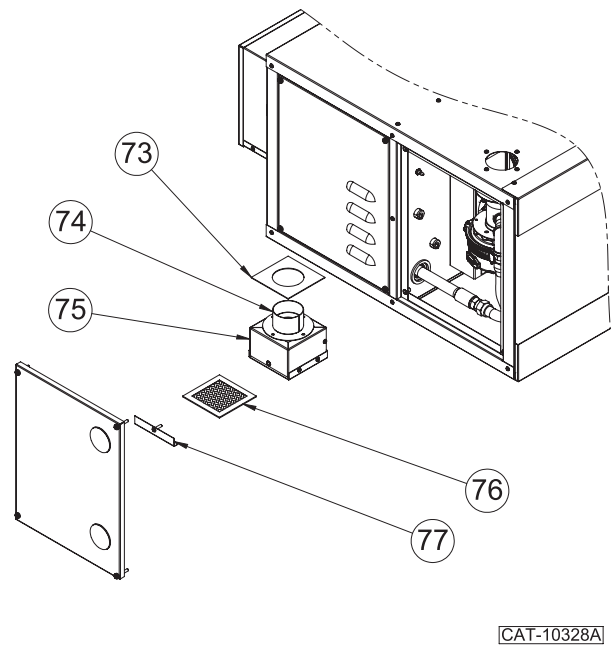
**Figure 7 - Filter Box Assembly, Size 050**



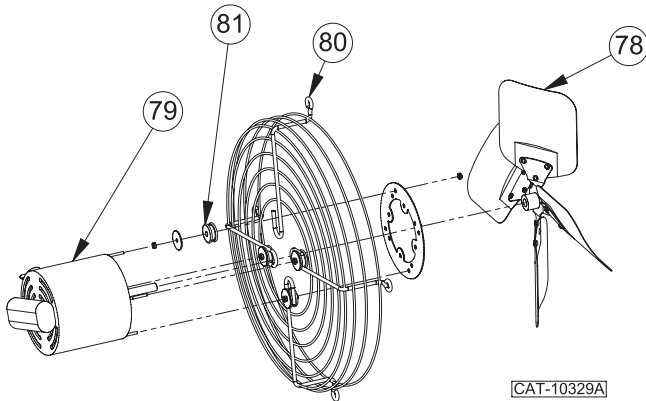
**Figure 5 - Control Box Components**



**Figure 8 - Filter Box Assembly, Sizes 100-400**



**Figure 6 - Propeller Motor/Fan Assembly**



# BH SERIES 050-150 MBH REPLACEMENT PARTS

ITEM NO.	UNIT CAPACITY (MBH)	50	100	150
	ITEM DESCRIPTION	PART NO.		
1	Top Jacket Panel w/ Insulation	11251R09998-050	11251R09998-100	11251R09998-150
2a, 2b	Top Panel Block-Off	11507R10015-050	11507R09738-100	11507R10015-15T
3	Heat Exchanger Block-Off [Qty. Req'd per Capacity]	11507R10126-050	N/A	11507R10126-000
4	Vestibule Panel/Heat Exchanger Assembly <sup>1</sup>	11501R09651-050	11501R09651-100	11501R09651-150
5	Left Side Jacket Panel w/ Insulation	11251R10009-050	11251R10009-100	11251R10009-200
6	High Limit Switch Bracket [Qty. Req'd per Capacity]	11252R09984-000 [2]	11252R09984-000	11252R09984-000 [2]
	Left High Limit Switch Bracket		N/A	
	Right High Limit Switch Bracket		N/A	
7	High Limit Switch [Qty. Req'd per Capacity]	11J11R09594-001 [2]	11J11R09594-001	11J11R09594-001 [2]
8	Heat Exchanger Baffle Assembly	11507R09993-100	11507R09659-100	N/A
9	Inner Left Façade Panel (Black)	11251R09732-050	11251R09732-100	
10	Louver Spring [Qty. Req'd per Capacity]	11J26R01960 [4]	11J26R01960 [5]	
11	Top Left Façade Panel	11251R09736-05T	11251R09736-10T	
12	Bottom Left Façade Panel	11251R09736-05B	11251R09736-10B	
13	Louvers [Qty. Req'd per Capacity]	11257R10063-100 [4]	11257R10063-100 [5]	11257R10063-200 [5]
14	Bottom Right Façade Panel	11251R09734-05B	11251R09734-10B	11251R09734-20B
15	Top Right Façade Panel	11251R09734-05T	11251R09734-10T	11251R09734-20T
16	Inner Right Façade Panel (Black)	11251R09731-050	11251R09731-100	11251R09731-200
17	Right Front Jacket Panel w/ Insulation	11251R10010-050	11251R10010-100	11251R10010-200
18	Bottom Jacket Panel w/ Insulation	11251R09999-050	11251R09999-100	11251R09999-150
19a, 19b	Bottom Panel Block-Off	11507R10015-050	11507R09738-100	11507R10015-15B
20	Burner Access Panel	11258R09997-050	11258R09997-100	11258R09997-200
21	Power Venter (Drafter) Access Panel	11251R09664-050	11258R09717-100	11258R09717-200
22	Partition Panel	11251R09689-050	11251R09689-100	11251R09689-200
23	Heat Exchanger Screen	11501R09987-050	11501R09987-100	11501R09987-200
24	Control Box Base (Wrapper)	11257R10336-001	11257R10336-002	
25	Control Box Access Panel	11251R09991-001	11251R09991-000	
26	Rear Jacket Panel	11251R09996-050	11251R09996-100	11251R09996-200
27	Manual Rollout Safety Switch	11J11R09595-001		
28	Manual Rollout Safety Switch Bracket	11252R09995-000		11252R09995-150
29	Spark Ignitor Bracket [Qty. Req'd per Capacity]	N/A	11252R09715-000	11252R09715-000 [2]
30	Spark Ignitor [Qty. Req'd per Capacity]	11J38R06891-001		11J38R06891-001 [2]
31	Inlet Air Cover Plate	11503R09977-050	11503R09977-100	11503R09977-200
32	Inlet Air Distributor	11503R09978-050	11503R09978-100	11503R09978-150
33	Mixing Chamber	11503R09728-050	11503R09728-100	11503R09728-200
34	Combustion Blower	11J35R09582-001		
35	Flame Sensor [Qty. Req'd per Capacity]	11J38R06890-001		11J38R06890-001 [2]
36	Combustion Blower Gasket	11265R10026-005		
37	Flame Sensor Bracket [Qty. Req'd per Capacity]	N/A	11252R09716-000	11252R09716-000 [2]
38	Flame Sensor and Ignitor Bracket	11252R10181-050	N/A	
39	Burner Bracket, Vestibule Side [Qty. Req'd per Capacity]	11252R10045-000 [4]		
40	Burner Bracket, Burner Box Side [Qty. Req'd per Capacity]	11252R09669-000 [4]		
41	Burner Box Assembly <sup>2</sup>	11502R10008-050	11502R10008-100	11502R10008-150
42	Standard Orifice	Natural Gas	11505R10091-05N	11505R10091-00N
		Propane (LP)	11505R10091-05P	11505R10091-00P
43	Flexible Gas Connector Hose	11J40R10129-001		
44	Gas Piping Assembly	11505R10337-001		11505R10337-002
45a, 45b	Gas Valve Bracket	N/A	11252R10012-000	
46	Gas Valve, Modulating	11J28R09581-001		
47	Trim Valve	N/A		
48	Fan Relay, 24/115V	11J10R03233-003	11J10R03233-001	11J10R03233-003
49	Fan Relay Bracket	11252R10013-000		
50	Contact, 24/115V	N/A		

**Notes:**

- 1- Includes Turn Cover and Turbulators.
- 2- Flame Sensor & Ignitor sold separately.

LEGEND: N/A - Not Applicable

# BH SERIES 200-400 MBH REPLACEMENT PARTS

ITEM NO.	UNIT CAPACITY (MBH)	200	300	400
	ITEM DESCRIPTION	PART NO.		
1	Top Jacket Panel w/ Insulation	11251R09998-200	11251R09998-300	11251R09998-400
2a, 2b	Top Panel Block-Off	11507R10015-20T	11507R10015-30T	11507R10015-40T
3	Heat Exchanger Block-Off [Qty. Req'd per Capacity]	11507R10126-000	11507R10126-300 [2]	
4	Vestibule Panel/Heat Exchanger Assembly <sup>1</sup>	11501R09651-200	11501R09651-300	11501R09651-400
5	Left Side Jacket Panel w/ Insulation	11251R10009-200	11251R10009-300	11251R10009-400
6	High Limit Switch Bracket [Qty. Req'd per Capacity]	11252R09984-000 [2]	N/A	
	Left High Limit Switch Bracket	N/A	11252R09984-001	11252R09984-001
	Right High Limit Switch Bracket	N/A	11252R09984-002	11252R09984-000
7	High Limit Switch [Qty. Req'd per Capacity]	11J11R09594-001 [2]		
8	Heat Exchanger Baffle Assembly	N/A		
9	Inner Left Façade Panel (Black)	11251R09732-100	11251R09732-300	11251R09732-400
10	Louver Spring [Qty. Req'd per Capacity]	11J26R01960 [5]	11J26R01960 [7]	11J26R01960 [9]
11	Top Left Façade Panel	11251R09736-10T		
12	Bottom Left Façade Panel	11251R09736-10B		
13	Louvers [Qty. Req'd per Capacity]	11257R10063-200 [5]	11257R10063-200 [7]	11257R10063-200 [9]
14	Bottom Right Façade Panel	11251R09734-20B		
15	Top Right Façade Panel	11251R09734-20T		
16	Inner Right Façade Panel (Black)	11251R09731-200	11251R09731-300	11251R09731-400
17	Right Front Jacket Panel w/ Insulation	11251R10010-200	11251R10010-300	11251R10010-400
18	Bottom Jacket Panel w/ Insulation	11251R09999-200	11251R09999-300	11251R09999-400
19a, 19b	Bottom Panel Block-Off	11507R10015-20B	11507R10015-30B	11507R10015-40B
20	Burner Access Panel	11258R09997-200	11258R09997-300	11258R09997-400
21	Power Venter (Drafter) Access Panel	11258R09717-200	11258R09717-300	11258R09717-400
22	Partition Panel	11251R09689-200	11251R09689-300	11251R09689-400
23	Heat Exchanger Screen	11501R09987-200	11501R09987-300	11501R09987-400
24	Control Box Base (Wrapper)	11257R10336-002		
25	Control Box Access Panel	11251R09991-000		
26	Rear Jacket Panel	11251R09996-200	11251R09996-300	11251R09996-400
27	Manual Rollout Safety Switch	11J11R09595-001		
28	Manual Rollout Safety Switch Bracket	11252R09995-000		11252R09995-300
29	Spark Ignitor Bracket [Qty. Req'd per Capacity]	11252R09715-000 [2]		
30	Spark Ignitor [Qty. Req'd per Capacity]	11J38R06891-001 [2]		
31	Inlet Air Cover Plate	11503R09977-200	11503R09977-300	11503R09977-400
32	Inlet Air Distributor	11503R09978-200	11503R09978-300	11503R09978-400
33	Mixing Chamber	11503R09728-200	11503R09728-300	
34	Combustion Blower	11J35R09582-001	11J35R09582-002	
35	Flame Sensor [Qty. Req'd per Capacity]	11J38R06890-001 [2]		
36	Combustion Blower Gasket	11265R10026-005	11265R10026-018	
37	Flame Sensor Bracket [Qty. Req'd per Capacity]	11252R09716-000 [2]		
38	Flame Sensor and Ignitor Bracket	N/A		
39	Burner Bracket, Vestibule Side [Qty. Req'd per Capacity]	11252R10045-000 [4]		
40	Burner Bracket, Burner Box Side [Qty. Req'd per Capacity]	11252R09669-000 [4]		
41	Burner Box Assembly <sup>2</sup>	11502R10008-200	11502R10008-300	11502R10008-400
42	Standard Orifice	Natural Gas	11505R10091-00N	11505R10091-30N
		Propane (LP)	11505R10091-00P	11505R10091-30P
43	Flexible Gas Connector Hose	11J40R10129-001	11J40R10134-001	11J40R10134-002
44	Gas Piping Assembly	11505R10337-002	11505R10337-003	11505R10337-004
45a, 45b	Gas Valve Bracket	11252R10012-000	11505R10160-300	
46	Gas Valve, Modulating	11J28R09581-001	11J28R10130-002	
47	Trim Valve	N/A	11J28R10243-000	
48	Fan Relay, 24/115V	11J10R03233-003	N/A	
49	Fan Relay Bracket	11252R10013-000	N/A	
50	Contact, 24/115V	N/A	11J10R06276-011	

**Notes:**

- 1- Includes Turn Cover and Turbulators.
- 2- Flame Sensor & Ignitor sold separately.

LEGEND: N/A - Not Applicable

# BH SERIES 050-150 MBH REPLACEMENT PARTS

ITEM NO.	UNIT CAPACITY (MBH)	PART NO.		
		50	100	150
51	Burner Mirror Bracket [Qty. Req'd per Capacity]	11252R10093-000 [2]	11252R10093-000	11252R10093-000 [2]
52	Burner Mirror	11257R10094-050	11257R10094-100	
53	Flue Limit Switch	11J11R09594-002		
54	Power Venter (Drafter) Assembly (includes gasket) <sup>1</sup>	11J35R09586-003*		11J35R09586-004
55	Power Venter (Drafter) Gasket	11265R10026-010		
56	Power Venter (Drafter) Mounting Plate	11507R09994-050	11507R09994-100	11507R09994-200
57	Flue Collector Gasket	11265R10026-004		
58	Float Switch	11J11R09753-001		
59	Transformer, 50VA 115/24V <sup>2</sup>	11J14R03245-012		
60	Ignition Control Board <sup>3</sup>	11J28R09642-003		
61	Flue Collector (includes gaskets) <sup>4</sup>	11507R09722-050	11507R09722-100	11507R09722-200
62	Turn Cover	11507R09718-050	11507R09718-100	11507R09718-200
63	Turn Cover Gasket	11265R10026-019	11265R10026-001	11265R10026-002
64	Turbulators [Qty. Req'd per Capacity]	11501R10441-001 [13]	11501R10441-001 [25]	
65	Main Control Board <sup>5</sup>	11J11R09580-001		
66	Pressure Switch, Power Venter (Drafter) [label color]	11J11R09691-005 [gry]	11J11R09691-001 [grn]	11J11R09691-004 [yel]
67	Pressure Switch, Blocked Inlet [label color]	11J11R09692-001 [turquoise]		
68	LED Indicator, Red	11J11R09593-001		
69	LED Indicator, Orange	11J11R09593-002		
70	Pressure Transducer (includes wire harness)	11J11R10044-001		
71	Terminal Block Bracket	11507R10235-001	N/A	
72	Terminal Block	11J09R03265-001	N/A	
73	Inlet Air Collar Gasket	11265R10026-011		11265R10026-012
74	Inlet Air Collar	11507R10017-100		11507R10017-150
75	Filter Box <sup>6</sup>	11507R10234-050	11507R09679-100	11507R09679-200
76	Filter	11J27R09592-001		11J27R09592-002
77	Filter Box Cover	N/A	11507R09698-100	11507R09698-200
78	Fan Blade [Qty. Req'd per Capacity]	11J34R06999-017 [2]	11J34R10162-000	11J34R10162-002 [2]
79	Fan Motor (Open Drip Proof) [Qty. Req'd per Capacity]	11J31R10194-001 [2]	11J31R09585-001	11J31R09585-001 [2]
80	OSHA Fan Guard (includes OSHA Guard Plate) [Qty. Req'd per Capacity]	11J32R04884 [2]	11J32R04840	11J32R04840 [2]
81	Fan/Guard/Motor Mount Hardware Kit [Qty. Req'd per Capacity]	11253R10334-001 [2]	11253R10334-002	11253R10334-002 [2]
N/S	Ignition Cable [Qty. Req'd per Capacity]	11J28R06971-002		11J28R06971-002 [2]
N/S	Hanging Bracket, Right	N/A		
N/S	Hanging Bracket, Left	N/A		
N/S	Condensate Trap Assembly	11264R10330-003		
N/S	Flue Pipe Adaptor	N/A		
N/S	Flue Drainage Kit	N/A		
N/S	Pneumatic Tubing, 3/16" ID, 1 ft. length	11H07R01471-002		
N/S	Pneumatic Tubing, 1/8" ID, 1 ft. length	11H07R01471-003		
N/S	Pneumatic Tubing Fittings Kit	11262R10335		

**Notes:**

1- Flue Limit Switch sold separately (installs onto Power Venter).

2- See Transformers table for step down transformers used with Supply Voltage options 2-7.

3- For size 050 units built before February 10, 2020, and for size 100 units built before January 10, 2020 use ignition control board 11J28R09642-001. For size 150 units built before March, 2020 use ignition control board 11J28R09642-002.

4- When replacing the flue collector, make sure the flue collector box is sealed completely with factory supplied gasket.

5- Unit Serial No. is required to be listed on the purchase order; factory will program main control board based on unit serial card.

6- Filter Box Cover included with Filter Box for sizes 100-400 MBH, N/A for size 50 MBH.

\* For size 050 units built before February 10, 2020 and for size 100 units built before January 10, 2020 the original power venter venter is no longer available.

Replacement Power Venter (p/n 11J35R09586-003), Wire Harness (p/n 11260-10232) and Main Control Board (11J11R09580-001) should be ordered together as a replacement to ensure proper fit and function. Note on purchase order, "Power Venter is being replaced so Main Control Board requires current software revision".

LEGEND: N/S - Part Not Shown, N/A - Not Applicable

# BH SERIES 200-400 MBH REPLACEMENT PARTS

ITEM NO.	UNIT CAPACITY (MBH)	PART NO.		
		200	300	400
51	Burner Mirror Bracket [Qty. Req'd per Capacity]	11252R10093-000	11252R10093-000 [2]	
52	Burner Mirror	11257R10094-100	11257R10094-300	11257R10094-400
53	Flue Limit Switch	11J11R09594-002		
54	Power Venter (Drafter) Assembly (includes gasket) <sup>1</sup>	11J35R09586-004		
55	Power Venter (Drafter) Gasket	11265R10026-010		
56	Power Venter (Drafter) Mounting Plate	11507R09994-200	11507R09994-300	11507R09994-400
57	Flue Collector Gasket	11265R10026-004	11265R10026-023	
58	Float Switch	11J11R09753-001		
59	Transformer, 50VA 115/24V <sup>2</sup>	11J14R03245-012		
60	Ignition Control Board <sup>3</sup>	11J28R09642-003		
61	Flue Collector (includes gaskets) <sup>4</sup>	11507R09722-200	11507R09722-300	11507R09722-400
62	Turn Cover	11507R09718-200	11507R09718-300	11507R09718-400
63	Turn Cover Gasket	11265R10026-002	11265R10026-013	11265R10026-014
64	Turbulators [Qty. Req'd per Capacity]	11501R10441-001 [38]	11501R10441-001 [56]	11501R10441-001 [77]
65	Main Control Board <sup>5</sup>	11J11R09580-001		
66	Pressure Switch, Power Venter (Drafter) [label color]	11J11R09691-002 [wht]	11J11R09691-003 [red]	11J11R09691-002 [wht]
67	Pressure Switch, Blocked Inlet [label color]	11J11R09692-001 [turquoise]		11J11R09692-002 [brn]
68	LED Indicator, Red	11J11R09593-001		
69	LED Indicator, Orange	11J11R09593-002		
70	Pressure Transducer (includes wire harness)	11J11R10044-001		
71	Terminal Block Bracket	N/A		
72	Terminal Block	N/A		
73	Inlet Air Collar Gasket	11265R10026-012	11265R10026-017	
74	Inlet Air Collar	11507R10017-200	Included with Filter Box	
75	Filter Box <sup>6</sup>	11507R09679-200	11507R10146-300	
76	Filter	11J27R09592-002	11J27R09592-003	
77	Filter Box Cover	11507R09698-200	11507R10150-300	
78	Fan Blade [Qty. Req'd per Capacity]	11J34R10162-000 [2]	11J34R10162-001 [2]	11J34R10162-003 [2]
79	Fan Motor (Open Drip Proof) [Qty. Req'd per Capacity]	11J31R09585-001 [2]	11J31R09585-002 [2]	
80	OSHA Fan Guard (includes OSHA Guard Plate) [Qty. Req'd per Capacity]	11J32R04840 [2]		11J32R08289 [2]
81	Fan/Guard/Motor Mount Hardware Kit [Qty. Req'd per Capacity]	11253R10334-002 [2]		
N/S	Ignition Cable [Qty. Req'd per Capacity]	11J28R06971-002 [2]		
N/S	Hanging Bracket, Right	N/A	11252R10161-301	
N/S	Hanging Bracket, Left	N/A	11252R10161-302	
N/S	Condensate Trap Assembly	11264R10330-003		
N/S	Flue Pipe Adaptor	11J40R10104-006	11J40R10104-007	11J40R10133-007
N/S	Flue Drainage Kit	N/A		11257R10163-400
N/S	Pneumatic Tubing, 3/16" ID, 1 ft. length	11H07R01471-002		
N/S	Pneumatic Tubing, 1/8" ID, 1 ft. length	11H07R01471-003		
N/S	Pneumatic Tubing Fittings Kit	11262R10335		

**Notes:**

- 1- Flue Limit Switch sold separately (installs onto Power Venter).
- 2- See Transformers table for step down transformers used with Supply Voltage options 2-7.
- 3- For size 200-400 units built before March, 2020 use ignition control board 11J28R09642-002.
- 4- When replacing the flue collector, make sure the flue collector box is sealed completely with factory supplied gasket.
- 5- Unit Serial No. is required to be listed on the purchase order; factory will program main control board based on unit serial card.
- 6- Filter Box Cover included with Filter Box for sizes 100-400 MBH, N/A for size 50 MBH.

LEGEND: N/S - Part Not Shown, N/A - Not Applicable

# BH SERIES 050-400 MBH REPLACEMENT PARTS GAS CONVERSION KITS & TRANSFORMERS

## GAS CONVERSION KITS

From Natural Gas (NG) to Propane (LP)		From Propane (LP) to Natural Gas (NG)	
Unit Size (MBH)	Part Number	Unit Size (MBH)	Part Number
050	11CVKTNTP-HU050	050	11CVKTPTN-HU050
100-200	11CVKTNTP-HU1-2	100-200	11CVKTPTN-HU1-2
300	11CVKTNTP-HU300	300	11CVKTPTN-HU300
400	11CVKTNTP-HU400	400	11CVKTPTN-HU400

## TRANSFORMERS

UNIT SIZE (MBH)	050/100 <sup>1</sup>	150/200 <sup>2</sup>	300 <sup>3</sup>	400 <sup>3</sup>
DESCRIPTION	PART NO.			
115/24, 50VA Transformer	11J14R03245-012			
208/115, Transformer	11J14R05241-005	11J14R02832-018	11J14R02832-016	11J14R02832-016
230/115, Transformer	11J14R02832-011	11J14R02832-018	11J14R02832-015	11J14R02832-015
460/115, Transformer	11J14R02832-011	11J14R02832-019	11J14R02832-015	11J14R02832-015
575/115, Transformer	11J14R05241-006	11J14R02832-020	11J14R02832-017	11J14R02832-017

**Notes:**

- 1- Unit Size 050/100 transformers are 1,500 VA
- 2- Unit Size 150/200 transformers are 3,000 VA
- 3- Unit Size 300 & 400 transformers are 5,000 VA

# BH SERIES 050-400 MBH REPLACEMENT PARTS FIELD INSTALLED ACCESSORIES & MISC.

DESCRIPTION [ACCESSORY OPTION NO.]	PART NO.
Pressure Regulator (0.5 to 10 PSI) Natural Gas [A7-1/2-1]	11AS-A7-1/2-1
Pressure Regulator (10 to 20 PSI) Natural Gas [A7-3/8-1]	11AS-A7-3/8-1
Pressure Regulator (20 to 35 PSI) Natural Gas [A7-5/16-1]	11AS-A7-5/16-1
Thermostats (Mercury Free) – 1 Stage (Round) [G1]	11AS-G1
– 1 Stage (Round) w/ Guard [G2]	11AS-G2
– 1 Stage w/ Fan Switch [G3]	11AS-G3
– 2 Stage w/ Fan Switch [G5]	11AS-G5
– 1 Stage Heating Only [G9]	11AS-G9
– 1 WiFi Thermostat TH8321WF1001/U [GW]	11AS-GW
Locking Thermostat Guard/Cover [G6]	11AS-G6
Condensate Neutralizer - Inline (050-200 MBH) [E9]	11AS-E9-1
Condensate Neutralizer - Inline (300-400 MBH) [E9]	11AS-E9-2
Condensate Neutralizer - Wall Mounted (050-200 MBH) [EW]	11AS-EW-1
Condensate Neutralizer - Wall Mounted (300-400 MBH) [EW]	11AS-EW-2
Stratification Sensor [H9]	11AS-H9
Condensate Pump [K8]	11AS-K8
Condensate Pump Shelf [K9]	11AS-K9
2" PVC Concentric Vent Kit (050-150 MBH) [Y2]	11AS-Y2
3" PVC Concentric Vent Kit (200 MBH) [Y3]	11AS-Y3
4" PVC Concentric Vent Kit (300-400 MBH) [Y4]	11AS-Y4
Stainless Steel Wipes, 6 pack	11J37R10027-001
Touch Up Black Paint, Spray Can	11H01R10318-001
High Temp (RTV) Sealant - 2.8 oz. tube	11H03R03612-002
Outdoor Air Sensor (Gas Control options 1 & 2), See Fig. 9	11J11R09966-001
Room Sensor (Gas Control option 5), See Fig. 10	11J11R09974-001

**Figure 9 - Outdoor Air Sensor**



**Figure 10 - Room Sensor**



260 North Elm Street, Westfield, MA 01085  
TEL: (413) 562-5423

7555 Tranmere Drive, Mississauga Ontario L5S 1L4 Canada  
TEL: (905) 670-5888

[www.beacon-morris.com](http://www.beacon-morris.com)



# UNIT HEATERS

## GAS-FIRED INDOOR HEATING EQUIPMENT REPLACEMENT PARTS CATALOG

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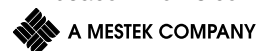
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### IMPORTANT

WHEN ORDERING PARTS, PLEASE  
SPECIFY UNIT MODEL NO. AND SERIAL NO.



260 NORTH ELM ST. WESTFIELD, MA 01085  
(413) 562-5423 • FAX: (413) 572-3764  
[www.beacon-morris.com](http://www.beacon-morris.com)



# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question on the warranty, we can answer it at this point.
- We will enter your order and issue you a R.G.A. (Return Goods Authorization), if applicable, with instructions on how and where to send the defective parts.
- Your invoice will indicate “no charge” pending the return of the applicable defective parts. The invoice may list the R.G.A number and state: “a R.G.A. has been issued. Re invoicing will occur if no receipt in 30 days.” However, some parts are to be field scrapped, which the invoice will state accordingly. If parts are received by us within the 30 days, and confirmed as “defective in-warranty”, the transaction will be closed.

If we do not receive the parts within 30 days or our inspection reveals a non-warranty condition, then a subsequent invoice will be generated indicating the appropriate cost and we will no longer accept returns on that R.G.A.

In order to insure the orderly processing of your warranty claim it is **MANDATORY** that certain paper work accompany any and all goods returned to Beacon Morris. It is also mandatory that goods be sent to the proper location.

In order to assure proper handling of these goods we insist that under all circumstances we must formally authorize the return of material to our various facilities. Any material returned without authorization will not be accepted.

In order to insure that your properly authorized returns are accepted at our plant, we ask that you clearly mark any and all shipping papers with an R.G.A. number; we will not accept shipments that do not clearly show R.G.A. number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid. Collect Shipments  
will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY REPLACEMENT  
PARTS NOT LISTED IN THIS PUBLICATION. LIMITED AVAILABILITY ON  
CERTAIN OBSOLETE EQUIPMENT.

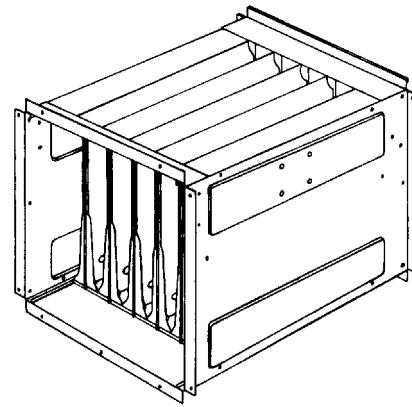
TEL. 413-562-5423

FAX# 413-572-3764

# “BM” Series Heat Exchanger

Usage	Unit Size	Part Number			
		Aluminized Steel	409 Stainless Steel	321 Stainless Steel	
BMF,	30	602R00330-130	602R00330-330	N/A	
BMEF	45	602R00330-145	602R00330-345	N/A	
	60	602R00330-160	602R00330-360	N/A	
	75	602R00330-175	602R00330-375	N/A	
	100	602R05924-104	602R05924-304	602R05924-204	
BMF	125	602R05924-105	602R05924-305	602R05924-205	
	150	602R05922-106	602R05922-306	602R05922-206	
BMF	175	602R05922-107	602R05922-307	602R05922-207	
	200	602R05922-108	602R05922-308	602R05922-208	
	225	602R05922-109	602R05922-309	602R05922-209	
	250	602R05922-110	602R05922-310	602R05922-210	
	300	602R05922-112	602R05922-312	602R05922-212	
	350	602R05922-114	602R05922-314	602R05922-214	
	400	602R05922-116	602R05922-316	602R05922-216	
	BMB	100	602R05927-104	602R05927-304	602R05927-204
		125	602R05927-105	602R05927-305	602R05927-205
	BMD,	100	602R05925-104	602R05925-304	602R05925-204
BMED	125	602R05925-105	602R05925-305	602R05925-205	
BMB, BMD, BMED	150	602R05925-106	602R05925-306	602R05925-206	
	175	602R05925-107	602R05925-307	602R05925-207	
	200	602R05925-108	602R05925-308	602R05925-208	
	225	602R05925-109	602R05925-309	602R05925-209	
	250	602R05925-110	602R05925-310	602R05925-210	
	300	602R05925-112	602R05925-312	602R05925-212	
	350	602R05925-114	602R05925-314	602R05925-214	
	400	602R05925-116	602R05925-316	602R05925-216	
	BMEF,	100	602R05928-104	602R05928-304	602R05928-204
		125	602R05928-105	602R05928-305	602R05928-205
BMEB, BMEF	150	602R05926-106	602R05926-306	602R05926-206	
	175	602R05926-107	602R05926-307	602R05926-207	
	200	602R05926-108	602R05926-308	602R05926-208	
	225	602R05926-109	602R05926-309	602R05926-209	
	250	602R05926-110	602R05926-310	602R05926-210	
	300	602R05926-112	602R05926-312	602R05926-212	
	350	602R05926-114	602R05926-314	602R05926-214	
	400	602R05926-116	602R05926-316	602R05926-216	
	BMS, BMES	100	602R05929-104	602R05929-304	602R05929-204
		125	602R05929-105	602R05929-305	602R05929-205
150		602R05929-106	602R05929-306	602R05929-206	
175		602R05929-107	602R05929-307	602R05929-207	
200		602R05929-108	602R05929-308	602R05929-208	
225		602R05929-109	602R05929-309	602R05929-209	
250		602R05929-110	602R05929-310	602R05929-210	
300		602R05929-112	602R05929-312	602R05929-212	
350		602R05929-114	602R05929-314	602R05929-214	
400		602R05929-116	602R05929-316	602R05929-216	

Usage	Unit Size	Part Number		
		Aluminized Steel	409 Stainless Steel	321 Stainless Steel
BMSF,	100	602R05930-104	602R05930-304	602R05930-204
BMSB	125	602R05930-105	602R05930-305	602R05930-205
	150	602R05931-106	602R05931-306	602R05931-206
	175	602R05931-107	602R05931-307	602R05931-207
	200	602R05931-108	602R05931-308	602R05931-208
	225	602R05931-109	602R05931-309	602R05931-209
	250	602R05931-110	602R05931-310	602R05931-210
	300	602R05931-112	602R05931-312	602R05931-212
	350	602R05931-114	602R05931-314	602R05931-214
	400	602R05931-116	602R05931-316	602R05931-216
	BMSD	100	602R05933-104	602R05933-304
125		602R05933-105	602R05933-305	602R05933-205
150		602R05933-106	602R05933-306	602R05933-206
175		602R05933-107	602R05933-307	602R05933-207
200		602R05933-108	602R05933-308	602R05933-208
225		602R05933-109	602R05933-309	602R05933-209
250		602R05933-110	602R05933-310	602R05933-210
300		602R05933-112	602R05933-312	602R05933-212
350		602R05933-114	602R05933-314	602R05933-214
400		602R05933-116	602R05933-316	602R05933-216



**TYPICAL HEAT EXCHANGER**

**LEGEND:**

- BMF = “BM” Series Prop
- BMB = “BM” Series Blower
- BMD = “BM” Series Duct (Bottom Access)
- BMEB = “BM” Series High Efficiency Blower
- BMED = “BM” Series High Efficiency Duct (Bottom Access)
- BMEF = “BM” Series High Efficiency Prop
- BMS = “BM” Series Duct (Side Access)
- BMES = “BM” Series High Efficiency Duct (Side Access)
- BMSF = “BM” Series Separated Combustion Prop
- BMSB = “BM” Series Separated Combustion Blower
- BMSD = “BM” Series Separated Combustion Duct

\* Replacement includes required baffles and drawer tracks where applicable

# “BM” Series Burner Drawers (Prop & Blower)

Usage	Unit Size	Part Number
		Burner Drawer Shell Only
BMF, BMEF, BMB, BMEB, Only	100	502R06266-004
	125	502R06266-005
	150	502R06267-006
	175	502R06267-007
	200	502R06267-008
	225	502R06268-009
	250	502R06268-010
	300	502R06268-012
	350	502R06268-014
	400	502R06268-016

**LEGEND:**

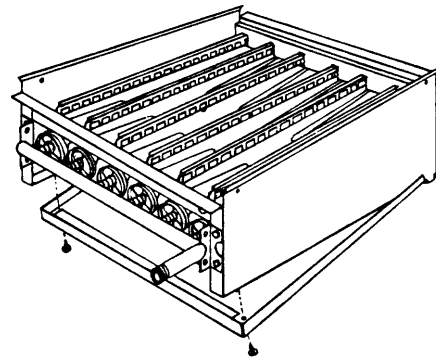
BMF = “BM” Series Prop  
 BMB = “BM” Series Blower  
 BMEB = “BM” Series High Efficiency Blower  
 BMEF = “BM” Series High Efficiency Prop

\* Burner drawer assembly includes shell, main burner set, manifold, orifices, shutters, springs.

All orifices are for standard elevations 0-2,000 ft.

See page 16-17 for Duct Furnace Burner Drawers.

Unit Size	Burner Drawer Complete Assemblies*	
	Aluminized Burners Natural Gas	Aluminized Burners LP Gas
	100	502R01778-004
125	502R01778-005	502R01778-105
150	502R01778-006	502R01778-106
175	502R01778-007	502R01778-107
200	502R01778-008	502R01778-108
225	502R01778-009	502R01778-109
250	502R01778-010	502R01778-110
300	502R01778-012	502R01778-112
350	502R01778-014	502R01778-114
400	502R01778-016	502R01778-116



**STANDARD & HIGH EFFICIENCY  
 BURNER DRAWER**

Unit Size	Burner Drawer Complete Assemblies*	
	409 SS Burners Natural Gas	409 SS Burners LP Gas
100	502R01778-204	502R01778-304
125	502R01778-205	502R01778-305
150	502R01778-206	502R01778-306
175	502R01778-207	502R01778-307
200	502R01778-208	502R01778-308
225	502R01778-209	502R01778-309
250	502R01778-210	502R01778-310
300	502R01778-212	502R01778-312
350	502R01778-214	502R01778-314
400	502R01778-216	502R01778-316

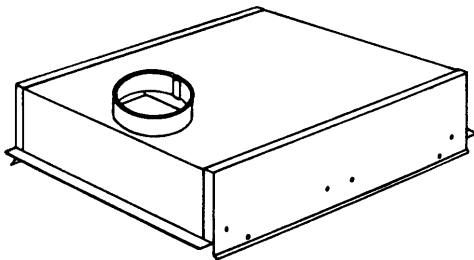
# “BM” Series Draft Diverters

Usage	Unit Size	Draft Diverters Replacement Part Numbers		
		Orientation	Aluminized Steel	409 Stainless Steel
BMF	30	Vertical*	507R00339-030	N/A
	45	“	507R00339-045	N/A
	60	“	507R00339-060	N/A
	75	“	507R00339-060	N/A
BMF, BMB,	100	Vertical*	507R01783-104	507R01783-304
	125	“	507R01783-105	507R01783-305
	150	Vertical	507R01784-106	507R01784-306
	175	“	507R01784-107	507R01784-307
	200	“	507R01784-108	507R01784-308
	225	“	507R01784-109	507R01784-309
	250	“	507R01784-110	507R01784-310
	300	“	507R01785-112	507R01785-312
	350	“	507R01785-114	507R01785-314
	400	“	507R01788-316	507R01788-716
BMF, BMB	150	Horizontal*	507R01786-106	1507R01786-306
	175	“	507R01786-107	507R01786-307
	200	“	507R01786-108	507R01786-308
	225	“	507R01786-109	507R01786-309
	250	“	507R01786-110	507R01786-310
	300	“	507R01787-112	507R01787-312
	350	“	507R01787-114	507R01787-314
	400	“	507R01788-116	507R01788-516

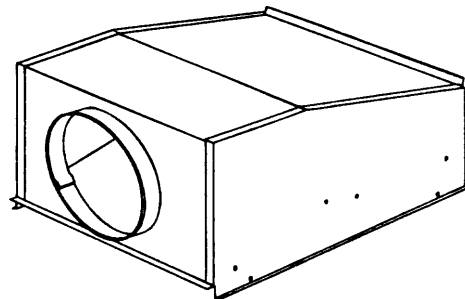
**LEGEND:**

BMF = “BM” Series Prop  
 BMB = “BM” Series Blower

\* Indicates standard part on unit.



**STANDARD DRAFT DIVERTER  
 UNIT SIZES 30 THRU 125**



**STANDARD DRAFT DIVERTER  
 UNIT SIZES 150 THRU 400**

**IMPORTANT:** When ordering parts, please provide model and serial number.

## “BM” Series Draft Diverters *continued*

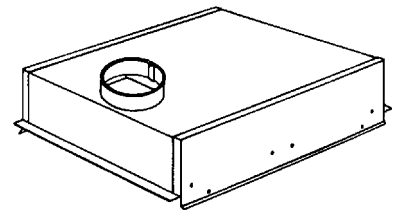
Usage	Unit Size	Duct Furnace Draft Diverters Replacement Part Numbers		
		Orientation	Aluminized Steel	409 Stainless Steel
BMD, BMS	100	Horizontal R.H.	N/A	N/A
	125	“	N/A	N/A
	150	Horizontal R.H.*	507R01786-106	507R01786-306
	175	“	507R01786-107	507R01786-307
	200	“	507R01786-108	507R01786-308
	225	“	507R01786-109	507R01786-309
	250	“	507R01786-110	507R01786-310
	300	“	507R01787-112	507R01787-312
	350	“	507R01787-114	507R01787-314
	400	“	507R01788-116	507R01788-516
BMD, BMS	100	Vertical R.H.*	507R01783-104	507R01783-304
	125	“	507R01783-105	507R01783-305
	150	Vertical R.H.	507R01784-106	507R01784-306
	175	“	507R01784-107	507R01784-307
	200	“	507R01784-108	507R01784-308
	225	“	507R01784-109	507R01784-309
	250	“	507R01784-110	507R01784-310
	300	“	507R01785-112	507R01785-312
	350	“	507R01785-114	507R01785-314
	400	“	507R01788-316	507R01788-716
BMS	100	Horizontal L.H.	N/A	N/A
	125	“	N/A	N/A
	150	“	507R01786-206	507R01786-406
	175	“	507R01786-207	507R01786-407
	200	“	507R01786-208	507R01786-408
	225	“	507R01786-209	507R01786-409
	250	“	507R01786-210	507R01786-410
	300	“	507R01787-212	507R01787-412
	350	“	507R01787-214	507R01787-414
	400	“	507R01788-216	507R01788-616
BMS	100	Vertical L.H.	507R01783-204	507R01783-404
	125	“	507R01783-205	507R01783-405
	150	“	507R01784-206	507R01784-406
	175	“	507R01784-207	507R01784-407
	200	“	507R01784-208	507R01784-408
	225	“	507R01784-209	507R01784-409
	250	“	507R01784-210	507R01784-410
	300	“	507R01785-212	507R01785-412
	350	“	507R01785-214	507R01785-414
	400	“	507R01788-416	507R01788-816

**LEGEND:**

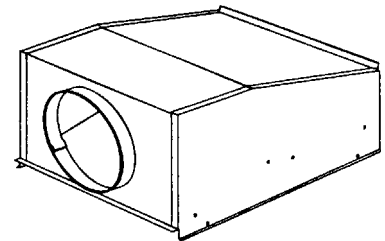
BMD = “BM” Series Duct  
(Bottom Access)

BMS = “BM” Series Duct  
(Side Access)

\* Indicates standard part on unit.



**STANDARD DRAFT DIVERTER  
UNIT SIZES 100 THRU 125**



**STANDARD DRAFT DIVERTER  
UNIT SIZES 150 THRU 400**

# “BM” Series Flue Collectors

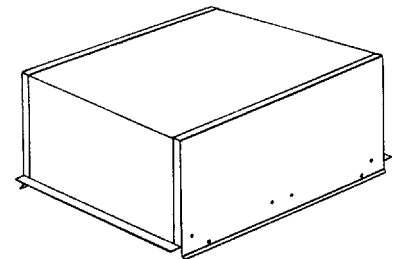
Usage	Unit Size	High Efficiency Flue Collectors Replacement Part Numbers		
		Orientation	Aluminized Steel	409 Stainless Steel
BMEF	30	Horizontal*	507R01102-030	N/A
	45	“	507R01102-045	N/A
	60	“	507R01102-060	N/A
	75	“	507R01102-060	N/A
BMEF, BMEB	100	Horizontal*	507R01109-004	507R01109-304
	125	“	507R01109-005	507R01109-305
	150	“	507R01110-006	507R01110-306
	175	“	507R01110-007	507R01110-307
	200	“	507R01110-008	507R01110-308
	225	“	507R01110-009	507R01110-309
	250	“	507R01110-010	507R01110-310
	300	“	507R01110-012	507R01110-312
	350	“	507R01110-014	507R01110-314
	400	“	507R01110-016	507R01110-316

**LEGEND:**

- BMEB = “BM” Series High Efficiency Blower
- BMEF = “BM” Series High Efficiency Prop
- BMED = “BM” Series High Efficiency Duct (Bottom Access)
- BMES = “BM” Series High Efficiency Duct (Side Access)

\* Indicates standard part on unit.

Usage	Unit Size	High Efficiency Duct Furnace Flue Collectors Replacement Part Numbers			
		Orientation	Aluminized Steel	409 Stainless Steel	
BMED, BMES	100	Horizontal*	507R02685-004	507R02685-304	
	125	“	507R02685-005	507R02685-305	
	150	“	507R01110-006	507R01110-306	
	175	“	507R01110-007	507R01110-307	
	200	“	507R01110-008	507R01110-308	
	225	“	507R01110-009	507R01110-309	
	250	“	507R01110-010	507R01110-310	
	300	“	507R01110-012	507R01110-312	
	350	“	507R01110-014	507R01110-314	
	400	“	507R01110-016	507R01110-316	
	BMED, BMES	100	Vertical	507R02687-104	507R02687-304
		125	“	507R02687-005	507R02687-305
150		“	507R02690-106	507R02690-306	
175		“	507R02690-007	507R02690-307	
200		“	507R02690-108	507R02690-308	
225		“	507R02690-009	507R02690-309	
250		“	507R02690-110	507R02690-310	
300		“	507R02690-112	507R02690-312	
350		“	507R02690-114	507R02690-314	
400		“	507R02690-116	507R02690-316	



**HIGH EFFICIENCY  
FLUE COLLECTOR**

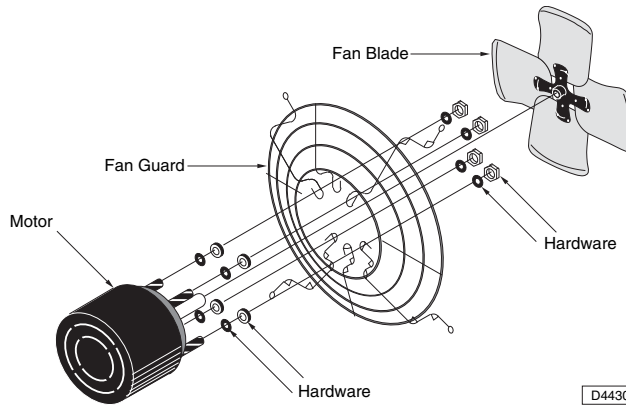
# “BM” Series Propeller Parts

Unit Size	BMF, BMEF and BMSF** Units Part Numbers					
	Open Drip Proof* Fan Motor	Totally Enclosed Fan Motor	Fan Blade† For Units Manufactured AFTER June 11, 2007	Standard Fan Guard	OSHA** Fan Guard	Fan Hardware
30	J31R04090	J31R01871	J34R06999-003	253R00250	J32R04837	253R01422-001
45			J34R06999-007	253R01873-001	J32R04840	253R01423-001
60						
75						
100	J31R04091	J31R01872	J34R06999-010	253R01873-001	J32R04840	253R01423-001
125	J31R04092	J31R03086	J34R06999-103			
150	J31R04093-002	J31R01694	J34R06999-104	253R01874-001	J32R04843	253R01423-001 (2)
175	J31R04094-002		J34R06999-105			
200						
225						
250						
300	J31R04093-002 (2)	J31R01694 (2)	J34R06999-104 (2)	253R01873-001 (2)	J32R04840 (2)	253R01423-001 (2)
350	J31R04094-002 (2)		J34R06999-105 (2)	253R01874-001 (2)	J32R04843 (2)	
400						

\*Standard on units manufactured after September 1995.

\*\*BMSF 100 require OSHA guard M32R06163-004.

†Units manufactured **PRIOR** to June 11, 2007 may require Fan/Blade Motor Kit - see Fan Blade Replacement Table below.



BMF, BMEF and BMSF Fan Blade Replacements Only				
FOR UNITS MANUFACTURED <b>PRIOR</b> TO JUNE 11, 2007				
Unit Size	For Units Equipped with Standard Open Drip Proof Fan Motors		For Units Equipped with Optional Totally Enclosed Fan Motors	
	Fan Blade Only	Fan Blade/Motor Kit	Fan Blade Only	Fan Blade/Motor Kit
30	J34R06999-003	Not Required	J34R06999-003	Not Required
45				
60*	Kit Required >	253R08410-001	Kit Required >	253R08410-002
75*				
100*	Kit Required >	253R08411-001	Kit Required >	253R08411-002
125	J34R06999-103	Not Required	J34R06999-103	Not Required
150*	Kit Required >	253R08412-001	Kit Required >	253R08412-002
175*	J34R06999-105	Not Required	Kit Required >	253R08413-002
200*				
225*				
250*				
300*	Kit Required >	253R08412-001 (2)	Kit Required >	253R08412-002 (2)
350*	J34R06999-105 (2)	Not Required	Kit Required >	253R08413-002 (2)
400*				

\*Date new blades put into production: **60/75** - 6/11/07, **100** - 5/24/07, **150,300** - 4/30/07, **175/250, 350, 400** - 3/2/07

NOTE: Kits contain Fan Blade and Fan Motor supplied in (2) boxes.

# “BM” Series High Efficiency Power Vent Parts

Usage	Unit Size	Part Numbers	
		Power Vent Assembly Complete*	†Pressure Switch Kit***
BMEF, BMEB	30	262R06389	261R06830-003
	45		
	150		
	175		
	200		
	225		
	250		
	300		
BMEF, BMEB	60	262R06389	261R06830-002
	75		
	100		
	125		
	350		
BMEF, BMEB	400	262R06389	261R06830-001
BMED, BMES	100 - 400	262R06389	261R06830-001

**LEGEND:**

- BMEB = “BM” Series High Efficiency Blower
- BMED = “BM” Series High Efficiency Duct (Bottom Access)
- BMES = “BM” Series High Efficiency Duct (Side Access)
- BMEF = “BM” Series High Efficiency Prop

\* Contains housing, blower wheel, motor, mounting bracket (for air pressure switch), sensing tube, junction box base with motor relay and stack assembly.

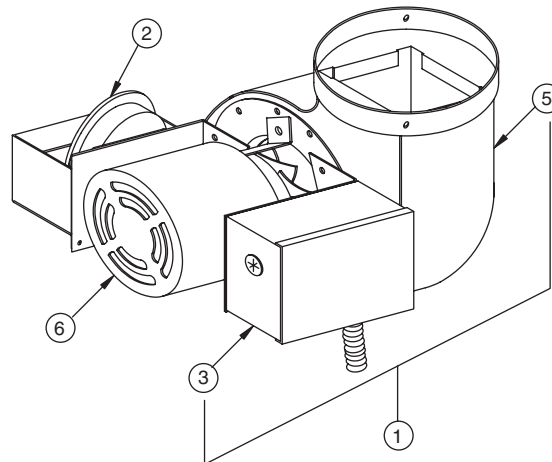
\*\* Required in Canada.

\*\*\* See page 18 for Separated Combustion.

Usage	Unit Size	Part Numbers		
		Vent Cap**	Draftor Adapter (To Flue Pipe)	
BMEF, BMEB BMED, BMES	30	J37R02222-001	J37R02185	
	45			
	60			
	75			
	100			
	125			
	150			
	175			
		200	J37R02222-002	N/A
	225			
	250			
	300			
	350			
	400	J37R02222-003	J37R02186	

†Includes air pressure switch, sensing tube and pressure switch cover.

1. Power Vent Assembly Complete
2. Pressure Switch Kit
3. Relay (Inside Junction Box)
4. Power Vent Wheel (Not Shown)
5. Power Vent Housing
6. Power Vent Motor



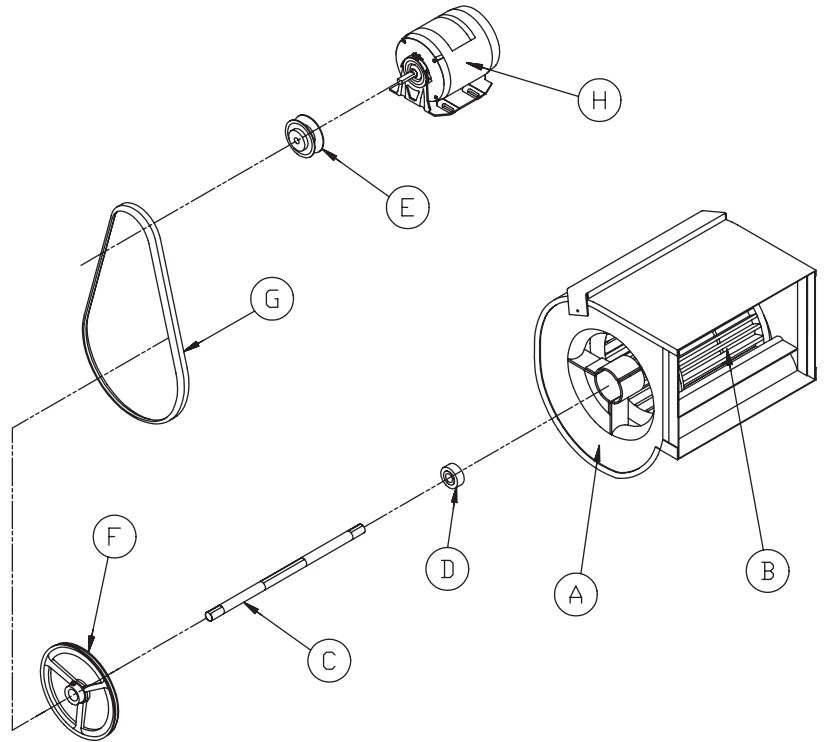
Common Parts	Part Numbers
Relay 24 Volt	J10R03410
Power Vent Housing	253R07047-002
Power Vent Wheel	J35R01126-011
Power Vent Motor	J31R01125
Power Vent Draftor Stack Ass'y*	262R06390
Junction Box Cover	260R01123

\*Includes mounting collar, stack and tube fitting.

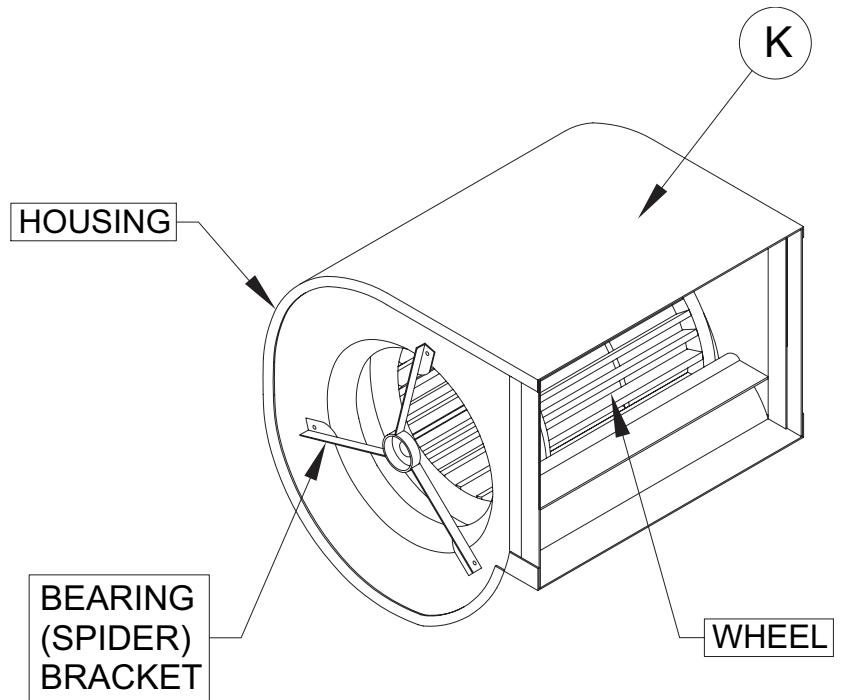
**IMPORTANT:** When ordering parts, please provide model and serial number.

# “BM” Series Blower Motors (ODP)\*

Usage	HP	Voltage	Part Number
BMB,	1/4	115/1/60	J31R00101-001
BMEB	1/4	208, 230/1/60	J31R00101-002
	1/3	115/1/60	J31R00102-001
	1/3	208, 230/1/60	J31R00102-002
	1/3	208/3/60	J31R00102-004
	1/3	230/3/60	J31R00102-004
	1/3	460/3/60	J31R00102-004
	1/2	115/1/60	J31R00103-001
	1/2	208, 230/1/60	J31R00103-002
	1/2	208/3/60	J31R00103-004
	1/2	230/3/60	J31R00103-004
	1/2	460/3/60	J31R00103-004
	1/2	575/3/60	J31R00103-007
	3/4	115/1/60	J31R00104-001
	3/4	208, 230/1/60	J31R00104-002
	3/4	208/3/60	J31R00104-004
	3/4	230/3/60	J31R00104-004
	3/4	460/3/60	J31R00104-004
	3/4	575/3/60	J31R00104-007
	1	115/1/60	J31R00105-001
	1	208, 230/1/60	J31R00105-001
	1	208/3/60	J31R00105-004
	1	230/3/60	J31R00105-004
	1	460/3/60	J31R00105-004
	1	575/3/60	J31R00105-007
	1-1/2	115/1/60	J31R00106-001
	1-1/2	208, 230/1/60	J31R00106-001
	1-1/2	208/3/60	J31R00106-004
	1-1/2	230/3/60	J31R00106-004
	1-1/2	460/3/60	J31R00106-004
	1-1/2	575/3/60	J31R00106-007
	2	115/1/60	J31R00107-001
	2	208/1/60	J31R00107-002
	2	230/1/60	J31R00107-001
	2	208/3/60	J31R00107-004
	2	230/3/60	J31R00107-004
	2	460/3/60	J31R00107-004
	2	575/3/60	J31R00107-007
	3	115/1/60	J31R00108-001
	3	208, 230/1/60	J31R00108-001
	3	208/3/60	J31R00108-004
	3	230/3/60	J31R00108-004
	3	460/3/60	J31R00108-004
	3	575/3/60	J31R00108-007



\* Consult customer service for other motor types.



D8557

# “BM” Series Blower Parts (BMB, BMEB)

Item No.	Description	Unit Size (Blower Size)				
		100 (9") <sup>1</sup>	125 (10")	150 (10")	175 (12")	200 (12")
		Part Number				
	Blower Assembly Complete <sup>2</sup>	602R06335-001	602R06335-002	602R06335-002	602R06335-003	602R06335-003
A	Blower Kit <sup>3</sup>	602R06335-001	602R06186-002	602R06186-002	602R06186-003	602R06186-003
H	Blower Motor	Order From Page 10				
C	Blower Shaft	Avail. as Kit only	J35R00540-002	J35R00540-002	J35R00540-003	J35R00540-003
D	Main Bearing (For Units as of August 2000)*†	Avail. as Kit only	J42R00433-008 (2)	J42R00433-008 (2)	J42R00433-009 (2)	J42R00433-009 (2)
K	Blower Assembly <sup>4</sup>	J35R05947	J35R05948	J35R05948	J35R05949	J35R05949
I	Blower Housing Support (LH)	252R03490-001	252R03490-001	252R03490-001	252R03490-001	252R03490-001
J	Blower Housing Support (RH)	252R03490-002	252R03490-002	252R03490-002	252R03490-002	252R03490-002
N/S	Belt Guard	253R04403-001	253R04403-002	253R04403-002	253R04403-003	253R04403-003
N/S	Rear Blower Panel	251R01979-004	251R01979-005	251R01979-005	251R01979-007	251R01979-008
N/S	Rear Blower Panel (High Efficiency)	251R03489-004	251R03489-005	N/A		
N/S	Rear Blower Mounting Panel Assembly	N/A				
N/S	Bottom Rear Extension Assembly	N/A				
N/S	High Limit Switch	J11R00306-001	J11R00306-001	J11R00306-001	J11R00306-001	J11R00306-001
G	V-Belt Standard***	J47RA37	J47RA39	J47RA42	J47RA46	
E	Drive Pulley (Standard)***	J35R02136-010	J35R02136-010	J35R02136-003	J35R02136-003	J35R02136-003
F	Driven Pulley (Standard)***	J35R00639-007	J35R00639-007	J35R00639-008	J35R02135-009	J35R02135-009

**NOTE:**

1. Blower Assembly parts not sold separately on 100 MBH units only.

Item No.	Description	Unit Size (Blower Size)				
		225 (12")	250 (12")	300** (2-10")	350** (2-12")	400** (2-12")
		Part Number				
	Blower Assembly Complete <sup>2</sup>	602R06335-0	602R06335-003	602R06335-004	602R06335-005	602R06335-005
A	Blower Kit <sup>3</sup>	602R06186-003	602R06186-003	602R06186-002	602R06186-003	602R06186-003
H	Blower Motor	Order From Page 10				
C	Blower Shaft	J35R00540-003	J35R00540-003	J35R01974	J35R01975	J35R01975
D	Main Bearing (For Units as of August 2000)*†	J42R00433-009 (2)	J42R00433-009 (2)	J42R00433-008 (3)	J42R00433-009 (3)	J42R00433-009 (3)
K	Blower Assembly <sup>4</sup>	J35R05949	J35R05949	J35R05948	J35R05949	J35R05949
I	Blower Housing Support (LH)	252R03490-001	252R03490-001	252R03490-001	252R03490-001	252R03490-001
J	Blower Housing Support (RH)	252R03490-002	252R03490-002	252R03490-002	252R03490-002	252R03490-002
N/S	Belt Guard	253R04403-003	253R04403-003	253R04403-002	253R04403-003	253R04403-003
N/S	Rear Blower Panel	N/A				
N/S	Rear Blower Panel (High Efficiency)	N/A				
N/S	Rear Blower Mounting Panel Assembly	510R01913-009	510R01913-010	510R01915-012	510R01915-014	510R01915-016
N/S	Bottom Rear Extension Assembly	257R01906-009	257R01906-010	257R01906-012	257R01906-014	257R01906-016
N/S	High Limit Switch	J11R00306-001	J11R00306-001	J11R00306-003	J11R00306-003	J11R00306-003
G	V-Belt Standard***	J47RA46		J47RA43	J47RA46	
E	Drive Pulley (Standard)***	J35R02136-003	J35R02136-003	J35R02136-003	J35R02136-003	J35R02136-003
F	Driven Pulley (Standard)***	J35R02135-009	J35R02135-009	J35R00639-008	J35R02135-009	J35R02135-009

**NOTES:**

2. Assembly includes housing, wheel, bearings, bearing (spider) brackets, housing supports and shaft.

3. Kit includes housing, wheel, bearing (spider) brackets and housing supports.

4. Assembly includes housing, wheel, and bearing (spider) brackets. J35R05947 also includes shaft and bearings.

\*(Quantity Required)

†When ordering bearings for Lau 12" blowers requiring a 2-1/2" outside diameter use part # J42R00433-005.

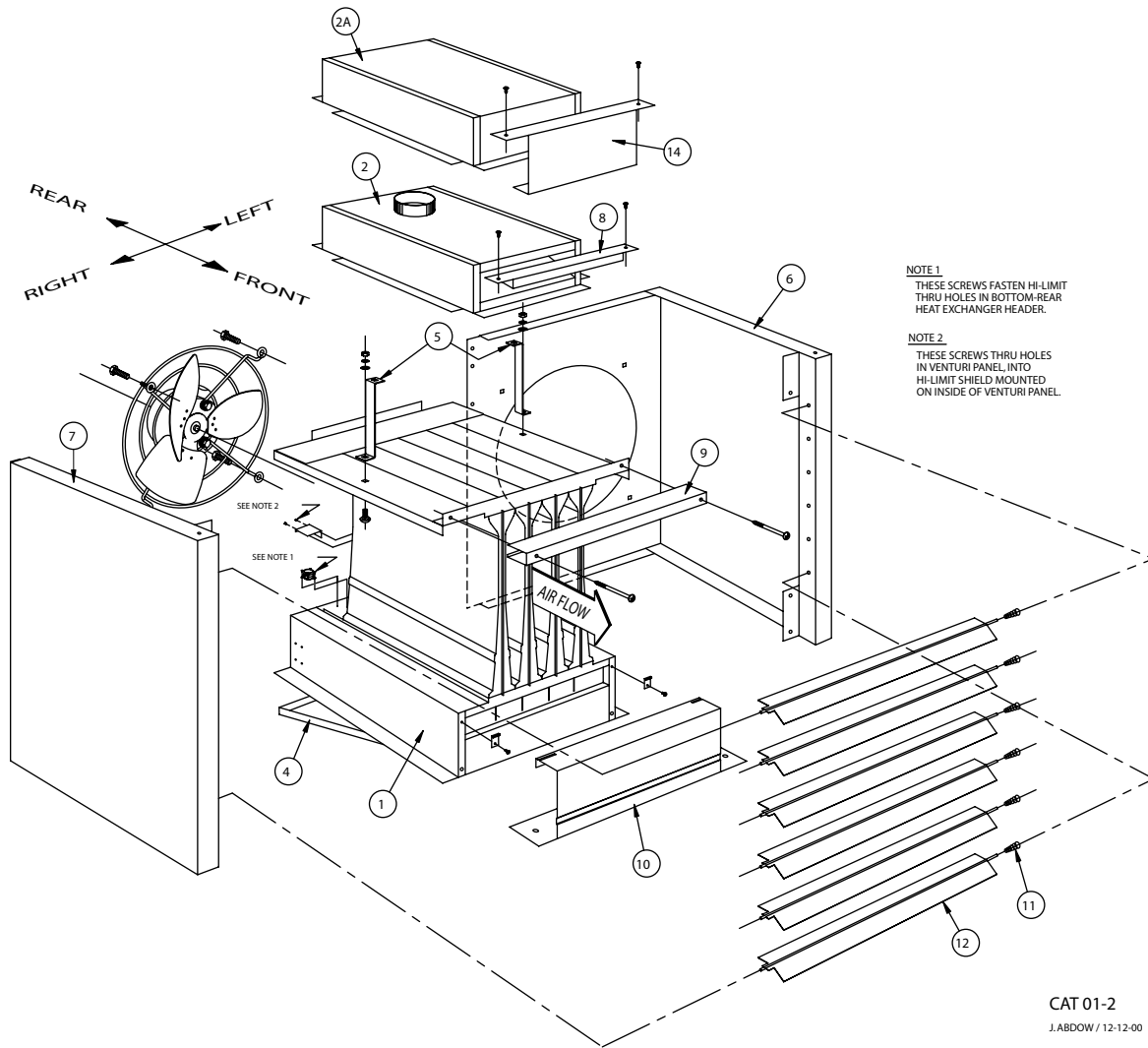
\*\* 300-350-400 size units require 2 blower kits, 3 bearings, 1 shaft.

\*\*\* For units manufactured after August 2000, refer to label near blower housing for part number.

N/S = Not Shown.

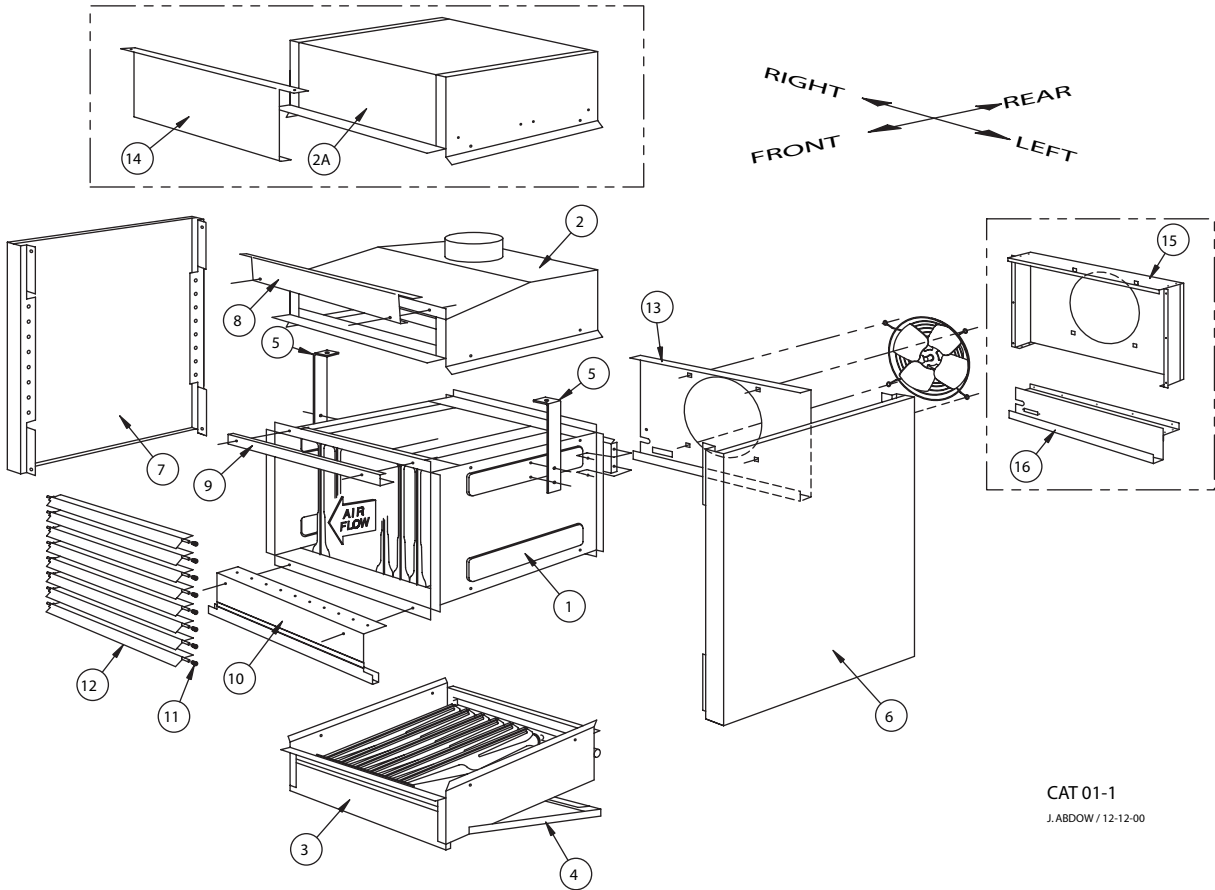
**IMPORTANT: When ordering parts, please provide model and serial number.**

# “BM” Series Sheet Metal Parts



**STANDARD BMF-30 THRU 75 UNITS  
AND HIGH EFFICIENCY BMEF-30 THRU 75 UNITS  
PROPELLER SHEET METAL PARTS**

# “BM” Series Sheet Metal Parts



CAT 01-1  
J.ABDOW / 12-12-00

**STANDARD PROPELLER BMF AND BLOWER BMB\*\*  
HIGH EFFICIENCY PROPELLER BMEF AND BLOWER BMEB\*\*  
100 THRU 400 UNIT SIZES  
SHEET METAL PARTS**

## “BM” Series Sheet Metal Parts

Item No.	Description	Unit Size	30	45	60
		Part Number			
11	Louver Spring (Individual)*		J26R01960 (6)	J26R01960 (6)	J26R01960 (6)
12	Horizontal Louver (Individual)*		257R00272-001 (6)	257R00272-001 (6)	257R00272-016 (6)
7	Right Casing Panel		251R05211-001	251R05211-001	251R05211-002
6	Left Casing Panel (BMF, BMB)		251R05212-001	251R05212-001	251R05212-002
6	Left Casing Panel (BMEF, BMEB)		251R05212-003	251R05212-003	251R05212-004
4	Bottom Service Panel		251R00357-001	251R00357-001	251R00357-002
8	Top Front Trim (Standard Units Only)		251R00363-001	251R00363-001	251R00363-002
9	Center Front Trim (Standard Units Only)		251R00362-001	251R00362-001	251R00362-002
10	Bottom Front Trim		251R01659-001	251R01659-001	251R01659-002
13	Venturi Panel (Standard BMF)		N/A	N/A	N/A
13	Venturi Panel (High Efficiency BMEF)		N/A	N/A	N/A
15	Venturi Extension Assembly		N/A	N/A	N/A
16	Bottom Rear Extension Assembly		N/A	N/A	N/A
5	Hangers (Individual) (Standard BMF) R.H.		257R00352	257R00352	257R00352
5	Hangers (Individual) (Standard BMF) L.H.		257R00352	257R00352	257R00352
5	Hangers (Individual) (High Efficiency Only) R.H.		257R01106	257R01106	257R01106
5	Hangers (Individual) (High Efficiency Only) L.H.		257R01106	257R01106	257R01106
14	Top Front Trim (High Efficiency Only)		251R01105-030	251R01105-030	251R01105-060

\*(Quantity Required)

Item No.	Description	Unit Size	175	200	225
		Part Number			
11	Louver Spring (Individual)*		J26R01960 (7)	J26R01960 (7)	J26R01960 (7)
12	Horizontal Louver (Individual)*		257R00272-009 (7)	257R00272-010 (7)	257R00272-011 (7)
7	Right Casing Panel		251R04641	251R04641	251R04641
6	Left Casing Panel (BMF, BMB)		251R04634	251R04634	251R04634
6	Left Casing Panel (BMEF, BMEB)		251R04634	251R04634	251R04634
4	Bottom Service Panel		502R01779-007	502R01779-008	502R01779-009
8	Top Front Trim (Standard Units Only)		251R04648-007	251R04648-008	251R04648-009
9	Center Front Trim (Standard Units Only)		251R01929-007	251R01929-008	251R01929-009
10	Bottom Front Trim		251R01789-007	251R01789-008	251R01789-009
13	Venturi Panel (Standard BMF)		251R01841-007	251R01841-008	N/A
13	Venturi Panel (High Efficiency BMEF)		251R01841-007	251R01841-008	N/A
15	Venturi Extension Assembly		N/A	N/A	257R01900-009
16	Bottom Rear Extension Assembly		N/A	N/A	257R01906-009
5	Hangers (Individual) (Standard BMF) R.H.		252R01848-001	252R01848-001	252R01344-001
5	Hangers (Individual) (Standard BMF) L.H.		252R01848-002	252R01848-002	252R01344-002
5	Hangers (Individual) (High Efficiency Only) R.H.		252R01344-001	252R01344-001	252R01344-001
5	Hangers (Individual) (High Efficiency Only) L.H.		252R01344-002	252R01344-002	252R01344-002
14	Top Front Trim (High Efficiency Only)		251R01925-007	251R01925-008	251R01925-009

\*(Quantity Required)

Refer to pages 12 and 13 for item numbers.

## “BM” Series Sheet Metal Parts *continued*

Item No.	Description	Unit Size	75	100	125	150
		Part Number				
11	Louver Spring (Individual)*		J26R01960 (6)	J26R01960 (7)	J26R01960 (7)	J26R01960 (7)
12	Horizontal Louver (Individual)*		257R00272-016 (6)	257R00272-005 (7)	257R00272-008 (7)	257R00272-008 (7)
7	Right Casing Panel		251R05211-002	251R04640	251R04640	251R04641
6	Left Casing Panel (BMF, BMB)		251R05212-002	251R04633	251R04633	251R04634
6	Left Casing Panel (BMEF, BMEB)		251R05212-004	251R04633	251R04633	251R04634
4	Bottom Service Panel		251R00357-002	502R01782-004	502R01782-005	502R01779-006
8	Top Front Trim (Standard Units Only)		251R00363-002	251R04647-004	251R04647-005	251R04648-006
9	Center Front Trim (Standard Units Only)		251R00362-002	251R01928-004	251R01928-005	251R01929-006
10	Bottom Front Trim		251R01659-002	251R01789-004	251R01789-005	251R01789-005
13	Venturi Panel (Standard BMF)		N/A	251R01840	251R01841-005	251R01841-005
13	Venturi Panel (High Efficiency BMEF)		N/A	251R03491-004	251R03492-005	251R01841-005
15	Venturi Extension Assembly		N/A	N/A	N/A	N/A
16	Bottom Rear Extension Assembly		N/A	N/A	N/A	N/A
5	Hangers (Individual) (Standard BMF) R.H.		257R00352	252R01847	252R01847	252R01848-001
5	Hangers (Individual) (Standard BMF) L.H.		257R00352	252R01847	252R01847	252R01848-002
5	Hangers (Individual) (High Efficiency Only) R.H.		257R01106	252R01399-001	252R01399-001	252R01344-001
5	Hangers (Individual) (High Efficiency Only) L.H.		257R01106	252R01399-002	252R01399-002	252R01344-002
14	Top Front Trim (High Efficiency Only)		251R01105-060	251R01925-004	251R01925-005	251R01925-006

\*(Quantity Required)

Refer to pages 12 and 13 for item numbers.

Item No.	Description	Unit Size	250	300	350	400
		Part Number				
11	Louver Spring (Individual)*		J26R01960 (7)	J26R01960 (7)	J26R01960 (7)	J26R01960 (7)
12	Horizontal Louver (Individual)*		257R00272-012 (7)	257R00272-013 (7)	257R00272-014 (7)	257R00272-015 (7)
7	Right Casing Panel		251R04641	251R04641	251R04641	251R04641
6	Left Casing Panel (BMF, BMB)		251R04634	251R04634	251R04634	251R04634
6	Left Casing Panel (BMEF, BMEB)		251R04634	251R04634	251R04634	251R04634
4	Bottom Service Panel		502R01779-010	502R01779-012	502R01779-014	502R01779-016
8	Top Front Trim (Standard Units Only)		251R04648-010	251R04648-012	251R04648-014	251R04648-016
9	Center Front Trim (Standard Units Only)		251R01929-010	251R01929-012	251R01929-014	251R01929-016
10	Bottom Front Trim		251R01789-010	251R01789-012	251R01789-014	251R01789-016
13	Venturi Panel (Standard BMF)		N/A	N/A	N/A	N/A
13	Venturi Panel (High Efficiency BMEF)		N/A	N/A	N/A	N/A
15	Venturi Extension Assembly		257R01900-010	257R01901-012	257R01901-014	257R01901-016
16	Bottom Rear Extension Assembly		257R01906-010	257R01906-012	257R01906-014	257R01906-016
5	Hangers (Individual) (Standard BMF) R.H.		252R01344-001	252R01344-001	252R01344-001	252R01344-001
5	Hangers (Individual) (Standard BMF) L.H.		252R01344-002	252R01344-002	252R01344-002	252R01344-002
5	Hangers (Individual) (High Efficiency Only) R.H.		252R01344-001	252R01344-001	252R01344-001	252R01344-001
5	Hangers (Individual) (High Efficiency Only) L.H.		252R01344-002	252R01344-002	252R01344-002	252R01344-002
14	Top Front Trim (High Efficiency Only)		251R01925-010	251R01925-012	251R01925-014	251R01925-016

\*(Quantity Required)

Refer to pages 12 and 13 for item numbers.

# “BM” Series Duct Furnace Parts

Description	Unit Size Part Usage				Unit Size			
	D	S	ED	ES	100	125	150	
					Part Number			
Burner Drawer Shell	(Standard - R.H.)	X	N/A	X	N/A	502R06266-004	502R06266-005	502R06267-006
	(Standard - L.H.)	Opt'l	N/A	Opt'l	N/A	502R06262-004	502R06262-005	502R06263-006
Burner Drawer Complete*	(Standard - R.H.)	X	N/A	X	N/A	502R01778-004	502R01778-005	502R01778-006
	(Standard - L.H.)	Opt'l	N/A	Opt'l	N/A	502R02699-004	502R02699-005	502R02699-006
Burner Drawer Shell	(Side Access - R.H.)	N/A	X	N/A	X	502R04910-004	502R04910-005	502R04917-006
	(Side Access - L.H.)	N/A	Opt'l	N/A	Opt'l	502R04911-004	502R04911-005	502R04918-006
Burner Drawer Complete*	(Side Access - R.H.)	N/A	X	N/A	X	502R02693-004	502R02693-005	502R02693-006
	(Side Access - L.H.)	N/A	Opt'l	N/A	Opt'l	502R02694-004	502R02694-005	502R02694-006
Burner Manifold	(Standard - R.H.)	X	N/A	X	N/A	503R01936-004	503R01936-005	503R01936-006
	(Standard - L.H.)	Opt'l	N/A	Opt'l	N/A	503R01936-004	503R01936-005	503R01936-006
Burner Manifold	(Side Access - R.H.)	N/A	X	N/A	X	503R02695-004	503R02695-005	503R02695-006
	(Side Access - L.H.)	N/A	Opt'l	N/A	Opt'l	503R02695-004	503R02695-005	503R02695-006
Outside Jacket Panel		X	X	X	X	251R02663	251R02663	251R02663
Outside Jacket	(R.H.)	X	N/A	X	N/A	251R02664-001	251R02664-001	251R02664-001
Access Panel	(L.H.)	Opt'l	N/A	Opt'l	N/A	251R02664-002	251R02664-002	251R02664-002
Bottom Service Panel		X	X	X	X	502R01782-004	502R01782-005	502R01779-006
High Limit Access Door		X	X	X	X	258R02684	258R02684	258R02684
High Limit	(R.H.)	X	X	X	X	252R05587-101	252R05587-101	252R05587-102
Bracket Assembly	(L.H.)	X	X	X	X	252R05588-101	252R05588-101	252R05588-102
Lower Access	(R.H.)	N/A	X	N/A	X	251R02671-001	251R02671-001	251R02671-001
Jacket Panel	(L.H.)	N/A	Opt'l	N/A	Opt'l	251R02671-002	251R02671-002	251R02671-002
Upper Access	(R.H.)	N/A	X	N/A	X	251R04019	251R04019	251R04019
Jacket Panel	(L.H.)	N/A	Opt'l	N/A	Opt'l	251R04019	251R04019	251R04019
Channel Assembly	(R.H.)	N/A	X	N/A	X	251R02665-001	251R02665-001	251R02665-001
	(L.H.)	N/A	Opt'l	N/A	Opt'l	251R02665-002	251R02665-002	251R02665-002
Angle Assembly	(R.H.)	N/A	X	N/A	X	251R02668-001	251R02668-001	251R02668-001
	(L.H.)	N/A	Opt'l	N/A	Opt'l	251R02668-002	251R02668-002	251R02668-002
Lower Front Trim Panel		X	X	X	X	251R02662-004	251R02662-005	251R02662-005
Blocked Vent (Spill) Switch Cover		X	X	N/A	N/A	257R02845-001	257R02845-001	257R02845-002
Pilot Burner	(Spark - R.H.) Nat.	Opt'l	Opt'l	X	X	J38R04578-001	J38R04578-001	J38R04578-001
	(Spark - L.H.) Nat.	Opt'l	Opt'l	Opt'l	Opt'l	J38R07982-001	J38R07982-001	J38R07982-001
Pilot Burner	(Spark - R.H.) L.P.	Opt'l	Opt'l	Opt'l	Opt'l	J38R04578-002	J38R04578-002	J38R04578-002
	(Spark - L.H.) L.P.	Opt'l	Opt'l	Opt'l	Opt'l	J38R07982-002	J38R07982-002	J38R07982-002
Pilot Burner	(Standing Pilot - R.H.) Nat.	X	X	N/A	N/A	J38R00291-001	J38R00291-001	J38R00291-001
	(Standing Pilot - L.H.) Nat.	Opt'l	Opt'l	N/A	N/A	J38R00492-001	J38R00492-001	J38R00492-001
Pilot Burner	(Standing Pilot - R.H.) L.P.	Opt'l	Opt'l	N/A	N/A	J38R00291-002	J38R00291-002	J38R00291-002
	(Standing Pilot - L.H.) L.P.	Opt'l	Opt'l	N/A	N/A	J38R00492-002	J38R00492-002	J38R00492-002

\*Includes Burner Drawer Shell, Manifold, Burners, Springs, Air Shutters, Orifices for 0-2,000 ft.

## “BM” Series Duct Furnace Parts *continued*

Unit Size						
175	200	225	250	300	350	400
Part Number						
502R06267-007	502R06267-008	502R06268-009	502R06268-010	502R06268-012	502R06268-014	502R06268-016
502R06263-007	502R06263-008	502R06264-009	502R06264-010	502R06264-012	502R06264-014	502R06264-016
502R01778-007	502R01778-008	502R01778-009	502R01778-010	502R01778-012	502R01778-014	502R01778-016
502R02699-007	502R02699-008	502R02699-009	502R02699-010	502R02699-012	502R02699-014	502R02699-016
502R04917-007	502R04917-008	502R04919-009	502R04919-010	502R04919-012	502R04919-014	502R04919-016
502R04918-007	502R04918-008	502R04920-009	502R04920-010	502R04920-012	502R04920-014	502R04920-016
502R02693-007	502R02693-008	502R02693-009	502R02693-010	502R02693-012	502R02693-014	502R02693-016
502R02694-007	502R02694-008	502R02694-009	502R02694-010	502R02694-012	502R02694-014	502R02694-016
503R01936-007	503R01936-008	503R01938-009	503R01938-010	503R01938-012	503R01938-014	503R01938-016
503R01936-007	503R01936-008	503R01938-009	503R01938-010	503R01938-012	503R01938-014	503R01938-016
503R02695-007	503R02695-008	503R02696-009	503R02696-010	503R02696-012	503R02696-014	503R02696-016
503R02695-007	503R02695-008	503R02696-009	503R02696-010	503R02696-012	503R02696-014	503R02696-016
251R02663	251R02663	251R02663	251R02663	251R02663	251R02663	251R02663
251R02664-001	251R02664-001	251R02664-001	251R02664-001	251R02664-001	251R02664-001	251R02664-001
251R02664-002	251R02664-002	251R02664-002	251R02664-002	251R02664-002	251R02664-002	251R02664-002
502R01779-007	502R01779-008	502R01779-009	502R01779-010	502R01779-012	502R01779-014	502R01779-016
258R02684	258R02684	258R02684	258R02684	258R02684	258R02684	258R02684
252R05587-102	252R05587-102	252R05587-102	252R05587-102	252R05587-102	252R05587-102	252R05587-102
252R05588-102	252R05588-102	252R05588-102	252R05588-102	252R05588-102	252R05588-102	252R05588-102
251R02671-001	251R02671-001	251R02671-001	251R02671-001	251R02671-001	251R02671-001	251R02671-001
251R02671-002	251R02671-002	251R02671-002	251R02671-002	251R02671-002	251R02671-002	251R02671-002
251R04019	251R04019	251R04019	251R04019	251R04019	251R04019	251R04019
251R04019	251R04019	251R04019	251R04019	251R04019	251R04019	251R04019
251R02665-001	251R02665-001	251R02665-001	251R02665-001	251R02665-001	251R02665-001	251R02665-001
251R02665-002	251R02665-002	251R02665-002	251R02665-002	251R02665-002	251R02665-002	251R02665-002
251R02668-001	251R02668-001	251R02668-001	251R02668-001	251R02668-001	251R02668-001	251R02668-001
251R02668-002	251R02668-002	251R02668-002	251R02668-002	251R02668-002	251R02668-002	251R02668-002
251R02662-007	251R02662-008	251R02662-009	251R02662-010	251R02662-012	251R02662-014	251R02662-016
257R02845-002	257R02845-002	257R02845-002	257R02845-002	257R02845-002	257R02845-002	257R02845-002
J38R04578-001	J38R04578-001	J38R04578-001	J38R04578-001	J38R04578-001	J38R04578-001	J38R04578-001
J38R07982-001	J38R07982-001	J38R07982-001	J38R07982-001	J38R07982-001	J38R07982-001	J38R07982-001
J38R04578-002	J38R04578-002	J38R04578-002	J38R04578-002	J38R04578-002	J38R04578-002	J38R04578-002
J38R07982-002	J38R07982-002	J38R07982-002	J38R07982-002	J38R07982-002	J38R07982-002	J38R07982-002
J38R00291-001	J38R00291-001	J38R00291-001	J38R00291-001	J38R00291-001	J38R00291-001	J38R00291-001
J38R00492-001	J38R00492-001	J38R00492-001	J38R00492-001	J38R00492-001	J38R00492-001	J38R00492-001
J38R00291-002	J38R00291-002	J38R00291-002	J38R00291-002	J38R00291-002	J38R00291-002	J38R00291-002
J38R00492-002	J38R00492-002	J38R00492-002	J38R00492-002	J38R00492-002	J38R00492-002	J38R00492-002

# “BM” Series Separated Combustion Parts (BMSF, BMSB, BMSD)

Unit Size	100	125	150	175	200
<b>Description</b>	<b>Part Number</b>				
Power Vent Assembly	262R06389				
Power Vent Drafter Stack Assembly	262R06390				
Power Vent Housing	253R07047-002				
Power Vent Wheel	J35R01126-011				
Pressure Switch Kit	261R06830-004				
Sensor Lead	See Footnote 1				
Pilot Burner Assembly N.G.	504R03047-001	504R03047-001	504R03049-001	504R03049-001	504R03049-001
Pilot Burner Assembly L.P.	504R03047-002	504R03047-002	504R03049-002	504R03049-002	504R03049-002
Pilot Tubing	261R04962-003				
Burner Manifold Assembly	503R03039-004	503R03039-005	503R03039-006	503R03039-007	503R03039-008
High Limit Switch - BMSF	J11R00306-002	J11R00306-002	J11R00306-002	J11R00306-002	J11R00306-002
High Limit Switch - BMSB	J11R00306-001	J11R00306-001	J11R00306-001	J11R00306-001	J11R00306-001
High Limit Switch - BMSD w/FTD	J11R03149-001	J11R03149-001	J11R03149-001	J11R03149-001	J11R03149-001
High Limit Switch - BMSD w/out FTD	J11R03148-001	J11R03148-001	J11R03148-001	J11R03148-001	J11R03148-001
Blower Assembly Complete*	602R06337-001	602R06337-002		602R06337-003	
Blower Kit‡	602R06328-001	602R06328-002		602R06328-003	
Fan Motor	See Page 8				
Fan Blade	See Page 8				
Pre-Purge Relay	J11R00366				

Unit Size	225	250	300**	350**	400**
<b>Description</b>	<b>Part Number</b>				
Power Vent Assembly	262R06389				
Power Vent Drafter Stack Assembly	262R06390				
Power Vent Housing	253R07047-002				
Power Vent Wheel	J35R01126-011				J35R00703-014
Pressure Switch Kit	261R06830-004				261R06830-005
Sensor Lead	See Footnote 1				
Pilot Burner Assembly N.G.	504R03049-001	504R03049-001	504R03049-001	504R03049-001	504R03049-001
Pilot Burner Assembly L.P.	504R03049-002	504R03049-002	504R03049-002	504R03049-002	504R03049-002
Pilot Tubing	261R04962-003				
Burner Manifold Assembly	503R01938-009	503R01938-010	503R01938-012	503R01938-014	503R01938-016
High Limit Switch - BMSF	J11R00306-002	J11R00306-002	J11R00306-003	J11R00306-003	J11R00306-003
High Limit Switch - BMSB	J11R00306-002	J11R00306-002	J11R00306-002	J11R00306-002	J11R00306-002
High Limit Switch - BMSD w/FTD	J11R03149-001	J11R03149-001	J11R03149-001	J11R03149-001	J11R03149-001
High Limit Switch - BMSD w/out FTD	J11R03148-001	J11R03148-001	J11R03148-001	J11R03148-001	J11R03148-001
Blower Assembly Complete*	602R06337-003		602R06337-004	602R06337-005	
Blower Kit‡	602R06328-003		602R06328-002 (2)	602R06328-003 (2)	
Fan Motor	See Page 8				
Fan Blade	See Page 8				
Pre-Purge Relay	J11R00366				

\*Blower assembly includes housing, wheel, bearing brackets, shaft, bearings and support brackets. For individual shaft and bearings see page 11.

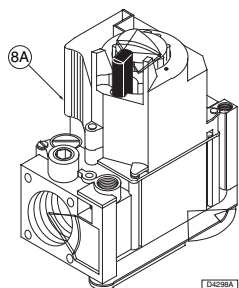
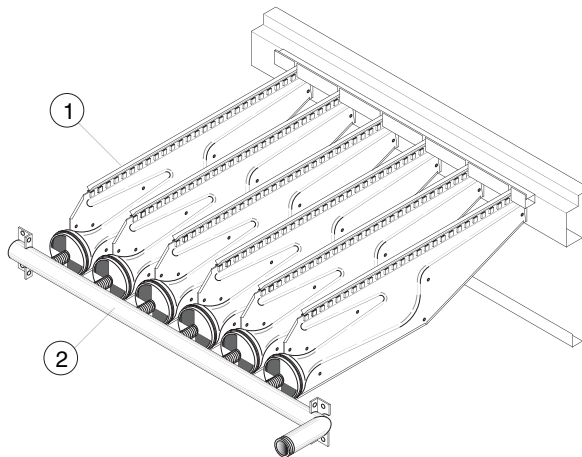
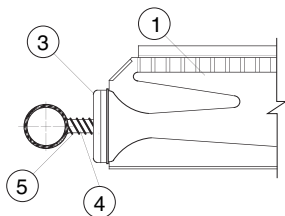
\*\*BMSB300-350-400 size units require 2 blower kits, 3 bearings, 1 shaft.

‡Kit includes housing (with bearing [spider] brackets), wheel and support brackets.

1. Sensor lead included with pilot burner assembly.

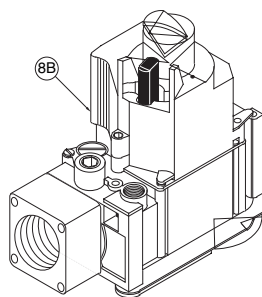
FTD = Fan Time Delay

# “BM” Series Common and Standing Pilot Parts

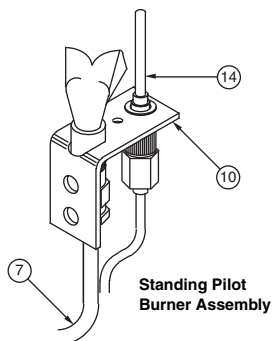


Honeywell  
Standing Pilot  
Gas Valve  
VR8200

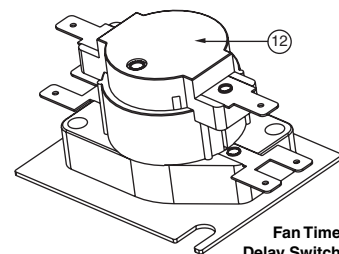
D3288A



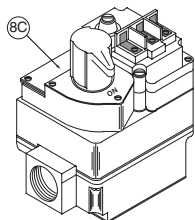
Honeywell  
Standing Pilot  
Gas Valve  
VR8300



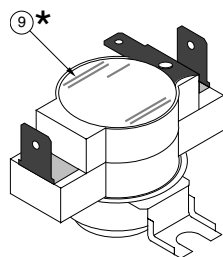
Standing Pilot  
Burner Assembly



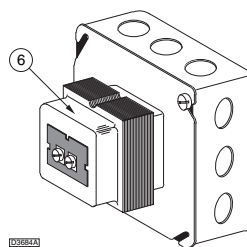
Fan Time  
Delay Switch



White Rodgers Standing Pilot Gas Valve  
36C

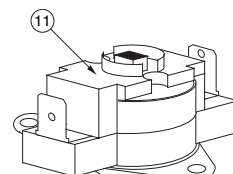


Hi Limit



D3224A

Transformer



Blocked Vent (Spill) Switch

# “BM” Series Common and Standing Pilot Parts

Item No.	Description	Unit Size	30	45	60
		Part Number			
8A,8B,8C	Main Gas Valve Natural Gas			J28R02098-002	
8A,8B,8C	Main Gas Valve L.P. Gas			J28R02098-001	
10	Pilot Burner Natural Gas			J38R00291-001	
10	Pilot Burner L.P. Gas			J38R00291-002	
7	Pilot Tubing			257R04945-001	
14	Thermocouple			J11R00292	
1	Main Burner Set Aluminized Steel		502R00118-030	502R00118-045	502R00118-060
1	Main Burner Set 409 Stainless Steel		N/A		
N/S	Burner Orifice Set (L.P. Gas)		503R00057-030	503R00057-045	503R00057-060
N/S	Burner Orifice Set (Natural Gas)		503R00049-030	503R00049-045	503R00049-060
4	Burner Spring Set		502R01961-002	502R01961-003	502R01961-004
3	Air Shutter Set		502R01946-902	502R01946-903	502R01946-904
2	Manifold		503R00347-030	503R00347-045	503R00347-060
9	High Limit (Propeller Only)*		J11R00306-001		
12	Fan Time Delay (Inside Junction Box)		J11R00366		
6	Transformer (115/24 20 VA)		J14R03075		
N/S	E.C.O. (Natural Gas Valve)		N/A		
11	Blocked Vent Switch (Propeller and Blower Only)		J11R02833-001		
11	Blocked Vent Switch (Duct Only)		N/A		
	No. Of Burners Per Unit		2	3	4

Item No.	Description	Unit Size	75	100	125
		Part Number			
8A,8B,8C	Main Gas Valve Natural Gas			J28R02098-002	
8A,8B,8C	Main Gas Valve L.P. Gas			J28R02098-001	
10	Pilot Burner Natural Gas			J38R00291-001	
10	Pilot Burner L.P. Gas			J38R00291-002	
7	Pilot Tubing			257R04945-001	
14	Thermocouple			J11R00292	
1	Main Burner Set Aluminized Steel		502R00118-075	502R01654-804	502R01654-805
1	Main Burner Set 409 Stainless Steel		N/A	502R01654-904	502R01654-905
N/S	Burner Orifice Set (L.P. Gas)		503R00057-075	503R00054-004	503R00054-005
N/S	Burner Orifice Set (Natural Gas)		503R00049-075	503R00042-004	503R00042-005
4	Burner Spring Set		502R01961-005	502R01961-004	502R01961-005
3	Air Shutter Set		502R01946-905	502R01946-904	502R01946-905
2	Manifold†		503R00347-075	503R01936-004	503R01936-005
9	High Limit (Propeller Only)*†		J11R00306-001	J11R00306-002	
9	High Limit (Duct Only w/out Fan Time Delay)*†		N/A	J11R02682	
9	High Limit (Duct Only w/Fan Time Delay)		N/A	J11R02683	
12	Fan Time Delay (Inside Junction Box)		J11R00366		
6	Transformer (115/24 20 VA)		J14R03075		
N/S	E.C.O. (Natural Gas Valve)		N/A		
11	Blocked Vent Switch (Propeller and Blower Only)		J11R02833-003	J11R02833-002	
11	Blocked Vent Switch (Duct Only)		N/A	J11R02833-003	
	No. Of Burners Per Unit		5	4	5

\* Located on the bottom rear header plate of the heat exchanger. †See page 18 for Separated Combustion.  
Refer to page 19 for item number.  
N/S = Not Shown.

# “BM” Series Common and Standing Pilot Parts *continued*

Item No.	Description	Unit Size			
		150	175	200	225
8A,8B,8C	Main Gas Valve Natural Gas	J28R02098-002		J28R03068-001	J28R03068-002
8A,8B,8C	Main Gas Valve L.P. Gas	J28R02098-001			
10	Pilot Burner Natural Gas	J38R00291-001			
10	Pilot Burner L.P. Gas	J38R00291-002			
7	Pilot Tubing	257R04945-001			
14	Thermocouple	J11R00292			
1	Main Burner Set Aluminized Steel	502R01654-806	502R01654-807	502R01654-808	502R01654-809
1	Main Burner Set 409 Stainless Steel	502R01654-906	502R01654-907	502R01654-908	502R01654-909
N/S	Burner Orifice Set (L.P. Gas)	503R00054-006	503R00054-007	503R00054-008	503R00054-009
N/S	Burner Orifice Set (Natural Gas)	503R00042-006	503R00042-007	503R00042-008	503R00042-009
4	Burner Spring Set	502R01961-006	502R01961-007	502R01961-008	502R01961-009
3	Air Shutter Set	502R01946-906	502R01946-907	502R01946-908	502R01946-909
2	Manifold†	503R01936-006	503R01936-007	503R01936-008	503R01938-009
9	High Limit (Propeller Only)*†	J11R00306-002			
9	High Limit (Duct Only w/out Fan Time Delay)*†	J11R02682			
9	High Limit (Duct Only w/Fan Time Delay)	J11R02683			
12	Fan Time Delay (Inside Junction Box)	J11R00366			
6	Transformer (115/24 20 VA)	J14R03075			
N/S	E.C.O. (Natural Gas Valve)	N/A			
11	Blocked Vent Switch (Propeller and Blower Only)	J11R02833-002			
11	Blocked Vent Switch (Duct Only)	J11R02833-003			
	No. Of Burners Per Unit	6	7	8	9

Item No.	Description	Unit Size			
		250	300	350	400
8A,8B,8C	Main Gas Valve Natural Gas	J28R03068-002	J28R00381-002		
8A,8B,8C	Main Gas Valve L.P. Gas	J28R02098-001	J28R03068-003	J28R00382-001	
10	Pilot Burner Natural Gas	J38R00291-001			
10	Pilot Burner L.P. Gas	J38R00291-002			
7	Pilot Tubing	257R04945-001			
14	Thermocouple	J11R00292			
1	Main Burner Set Aluminized Steel	502R01654-810	502R01654-812	502R01654-814	502R01654-816
1	Main Burner Set 409 Stainless Steel	502R01654-910	502R01654-912	502R01654-914	502R01654-916
N/S	Burner Orifice Set (L.P. Gas)	503R00054-010	503R00054-012	503R00054-014	503R00054-016
N/S	Burner Orifice Set (Natural Gas)	503R00042-010	503R00042-012	503R00042-014	503R00042-016
4	Burner Spring Set	502R01961-010	502R01961-012	502R01961-014	502R01961-016
3	Air Shutter Set	502R01946-910	502R01946-912	502R01946-914	502R01946-916
2	Manifold†	503R01938-010	503R01938-012	503R01938-014	503R01938-016
9	High Limit (Propeller Only)*†	J11R00306-002			
9	High Limit (Duct Only w/out Fan Time Delay)*†	J11R02682			
9	High Limit (Duct Only w/Fan Time Delay)	J11R02683			
12	Fan Time Delay (Inside Junction Box)	J11R00366			
6	Transformer (115/24 20 VA)	J14R03075			
N/S	E.C.O. (Natural Gas Valve)	J11R00775			
11	Blocked Vent Switch (Propeller and Blower Only)	J11R02833-002			
11	Blocked Vent Switch (Duct Only)	J11R02833-003			
	No. Of Burners Per Unit	10	12	14	16

\* Located on the bottom rear header plate of the heat exchanger. †See page 18 for Separated Combustion.  
N/S = Not Shown.

**IMPORTANT:** When ordering parts, please provide model and serial number.

# "BM" Series Electronic Ignition Parts

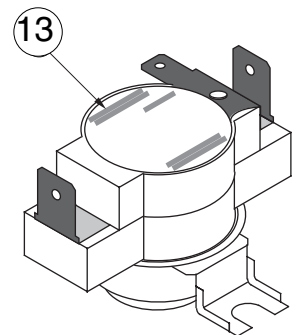
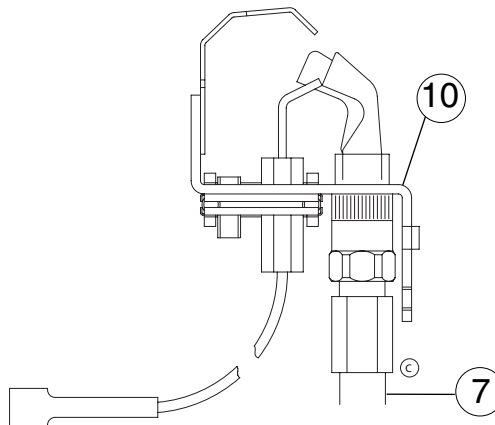
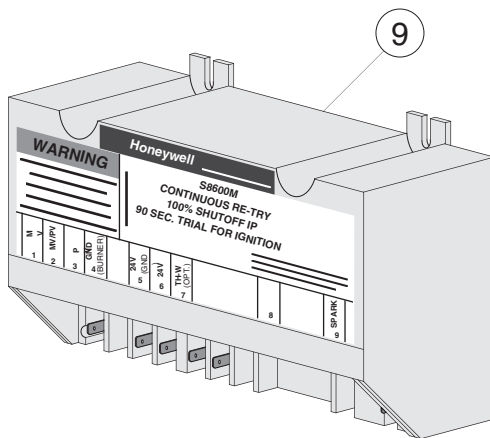
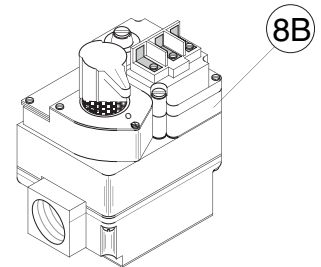
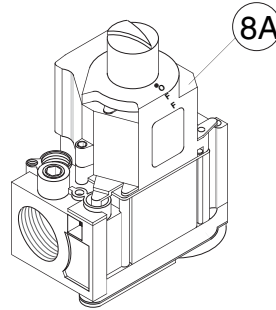
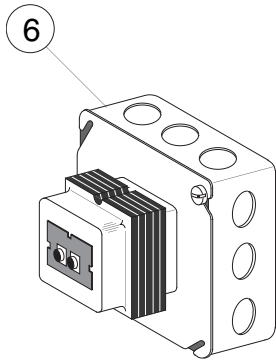
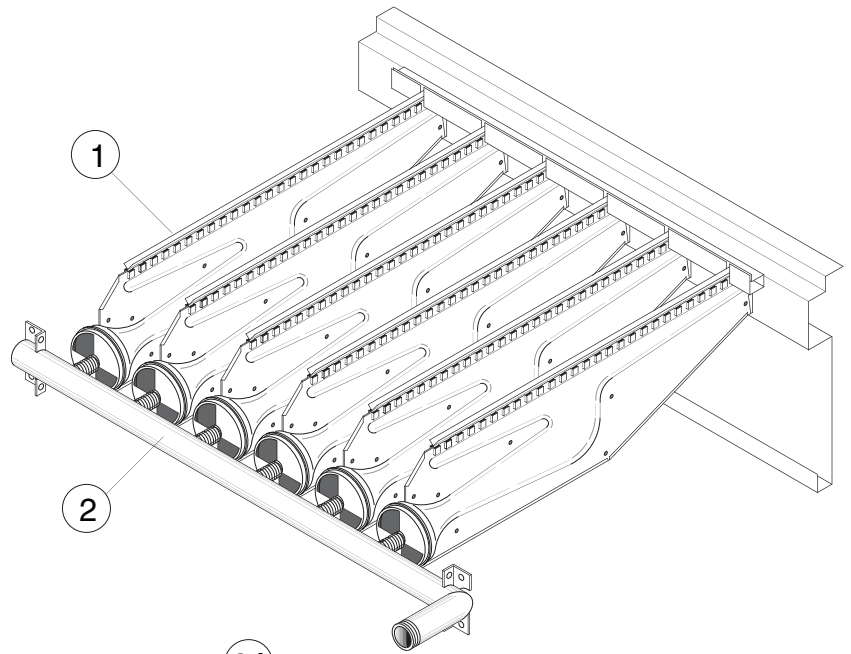
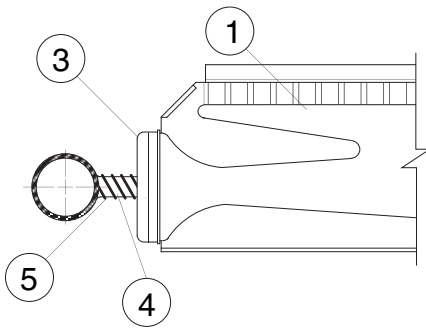
## AUTO SPARK PARTS

### FIGURE

- | NO. | DESCRIPTION                  |
|-----|------------------------------|
| 1.  | MAIN BURNERS                 |
| 2.  | MANIFOLD                     |
| 3.  | AIR SHUTTERS                 |
| 4.  | BURNER SPRINGS               |
| 5.  | MAIN BURNER ORIFICE          |
| 6.  | TRANSFORMER, 115/24V (40 VA) |

### FIGURE

- | NO. | DESCRIPTION                               |
|-----|---|
| 8A. | MAIN GAS VALVE<br>HONEYWELL VR8204/VR8304 |
| 8B. | MAIN GAS VALVE<br>WHITE RODGERS 36C68     |
| 9.  | HONEYWELL S8600M IGNITOR                  |
| 10. | HONEYWELL PILOT BURNER                    |
| 13. | HI-LIMIT                                  |



# “BM” Series Electronic Ignition Parts

Item No.	Description	Unit Size	30	45	60	75	100	125	150
			Part Number						
8A	Gas Valve Auto Spark, Natural Gas (H.W.)			J28R02080-001				J28R02080-001	
8B	Gas Valve Auto Spark, Natural Gas (W.R.)			N/A				N/A	
8A	GAS Valve Auto Spark LP Gas (Honeywell)			J28R02080-005				J28R02080-005	
9	S8600M Ignitor for NG & LP Gas (Honeywell)			J28R02722				J28R02722	
N/S	Cable Adaptor (S86 to S8600 Ignitor)			N/A				J28R05077	
N/S	Q53 Pilot Burner w/Electric, Natural Gas*			J38R00478-001				N/A	
N/S	Q53 Pilot Burner w/Electric, LP Gas*			J38R00478-002				N/A	
N/S	Q53 Sensor Probe, Natural & LP Gas*			J38R00480				N/A	
N/S	Q53 Sensor Lead, Natural & LP Gas*			J09R00844				N/A	
10	Honeywell Pilot Burner, Natural Gas**			J38R04578-001				J38R04578-001	
10	Honeywell Pilot Burner, LP Gas**			J38R04578-002				J38R04578-002	
12	Honeywell S8600 Ignitor Cable			J38R02848-001				J38R02848-001	
7	Pilot Tubing Auto Spark**			257R04945-001				257R04945-001	
6	Transformer, 115/24, 40 VA			J14R03076				J14R03076	
N/S	S8600 Series Ignitor Bracket			252R01882				252R01882	

\* Use with Johnson control ignitor.

\*\* See page 18 for Separated Combustion.

N/S = Not Shown.

Item No.	Description	Unit Size	175	200	225	250	300	350	400
			Part Number						
8A	Gas Valve Auto Spark, Natural Gas (H.W.)		J28R02080-001					J28R03069-003	
8B	Gas Valve Auto Spark, Natural Gas (W.R.)			N/A				J28R00742	
8A	GAS Valve Auto Spark LP Gas (Honeywell)			J28R02080-005				J28R03069-002	
9	S8600M Ignitor for NG & LP Gas (Honeywell)			J28R02722				J28R02722	
N/S	Cable Adaptor (S86 to S8600 Ignitor)			J28R05077				J28R05077	
N/S	Q53 Pilot Burner w/Electric, Natural Gas*			N/A				N/A	
N/S	Q53 Pilot Burner w/Electric, LP Gas*			N/A				N/A	
N/S	Q53 Sensor Probe, Natural & LP Gas*			N/A				N/A	
N/S	Q53 Sensor Lead, Natural & LP Gas*			N/A				N/A	
10	Honeywell Pilot Burner, Natural Gas**			J38R04578-001				J38R04578-001	
10	Honeywell Pilot Burner, LP Gas**			J38R04578-002				J38R04578-002	
12	Honeywell S8600 Ignitor Cable			J38R02848-001				J38R02848-001	
7	Pilot Tubing Auto Spark**			257R04945-001				257R04945-001	
6	Transformer, 115/24, 40 VA			J14R03076				J14R03076	
N/S	S8600 Series Ignitor Bracket			252R01882				252R01882	

\* Use with Johnson control ignitor.

\*\* See page 18 for Separated Combustion.

N/S = Not Shown.

IMPORTANT: When ordering parts, please provide model and serial number.

# “BM” Series Conversion Kits

## FOR STANDING PILOT UNITS ONLY

Converting From Natural to LP Gas		Converting From LP to Natural Gas	
Unit Size	Part Numbers	Unit Size	Part Numbers
30	261R05024	30	261R05025
45			
60			
75			
100	261R06045	100	261R06047
125			
150			
175			
200			
225			
250	261R06049	250	
300		261R06046	300
350			
400			

## FOR AUTOMATIC SPARK IGNITION UNITS

Converting From Natural to LP Gas		Converting From LP to Natural Gas	
Unit Size	Part Numbers	Unit Size	Part Numbers
30	261R06376	30	261R05078
45			
60			
75			
100	261R06377*	100	261R04975
125			
150			
175			
200			
225		261R04977	
250			
300			
350			
400		261R04978	400
300	261R06378**		
350			
400			

\* For units with Honeywell valve.  
 \*\* For units with White-Rodgers valve.

# “BM” Series Transformers – Thermostats

Description	Part Number
115/24, 20VA Transformer	J14R03075
115/24, 40VA Transformer	J14R03076
208/24, 50VA Transformer	J14R02843-002
230/24, 50VA Transformer	J14R02843-002
460/24, 50VA Transformer	J14R02842-003
208/115, 500 VA Transformer (Step Down)	J14R05241-001
230/115, 500VA Transformer (Step Down)	J14R02832-002
460/115, 500VA Transformer (Step Down)	J14R02832-002
575/115, 500VA Transformer (Step Down)	J14R02832-006
T822K Mercury-Free 24V Thermostat w/Adjustable Heat Anticipator	J13R08431
T87K 1-Stage Mercury-free Thermostat (Includes Subbase). Range 40-90°F	J13R08300

Description	Part Numbers
T834N, Mercury-free Low Voltage Room Thermostat w/Integral Switch for Summer/Winter Operation. Range 50-90°F. (w/Sterling Logo)	ASRG3
TH5220D, 2-Stage Thermostat (Mercury-Free)	J13R08301
T6169C, 115V Line Voltage Thermostat w/Subbase	J13R03362
TG511A-1018 Universal Thermostat Guard	J13R00954
T678A-1353 2-Stage Ductstat 55-175°F	J13R00815-007
T675A-1417 Single Stage Ductstat 55-175°F	J13R00815-002

## “BM” Series Optional Parts

Description	Part Number	Description	Part Numbers
2-Stage Gas Valve, Spark Ignition Natural Gas 100/200	J28R02454-003	Drafter Adaptor (Transition Assembly) 30/45	510R02245-002
2-Stage Gas Valve, Spark Ignition Natural Gas 225/400	J28R02454-002	Drafter Adaptor (Transition Assembly) 60/75	510R02245-003
2-Stage Gas Valve, Spark Ignition L.P. Gas 100/400	J28R02454-001	Drafter Adaptor (Transition Assembly) 100	510R02245-004
2-Stage High Fire Relay	J10R03479	Drafter Adaptor (Transition Assembly) 125	510R02245-005
Summer Winter Switch	J11R00544	Drafter Adaptor (Transition Assembly) 150	510R02245-006
Adjustable High Limit Switch (Duct Only)	J11R02260	Drafter Adaptor (Transition Assembly) 175	510R02245-007
Rockwell 043-182 Pressure Regulator (125 PSI to 7") Natural Gas	J28R05121	Drafter Adaptor (Transition Assembly) 200	510R02245-008
R8225B-1007 Honeywell Relay SPST w/24V Holding Coil to Permit 115V or 230V Drafter to be Operated by 24V Thermostat	J10R00818-003	Drafter Adaptor (Transition Assembly) 225	510R02245-009
115 V Drafter Assembly (will not fit High Efficiency)*	202R00819-101	Drafter Adaptor (Transition Assembly) 250	510R02245-010
208 V Drafter Assembly (will not fit High Efficiency)*	202R00819-102	Drafter Adaptor (Transition Assembly) 300/350	510R02443-012
230 V Drafter Assembly (will not fit High Efficiency)*	202R00819-103	Drafter Adaptor (Transition Assembly) 400	510R02443-016
Drafter Motor Only 115V (will not fit High Efficiency)	J52R00900-001	Vent Cap 4"	J37R02222-001
Drafter Motor Only 208V (will not fit High Efficiency)	J52R00910-001	Vent Cap 5"	J37R02222-002
Drafter Motor Only 230V (will not fit High Efficiency)	J52R00920-001	Vent Cap 6"	J37R02222-003
Drafter Wheel (will not fit High Efficiency)	J35R00703-014	Adaptors 4" to 5"	J37R02185
Drafter Housing (will not fit High Efficiency)	507R00820	Adaptors 5" to 6"	J37R02186
		4 to 2 Point Adaptor Hanger Kit (Propeller 100 to 400 Only)	252R02178
		Touch Up Paint, 12 Oz. Spray Can (Dark Gray)	512R01395-001
		Touch Up Paint, 1 Gallon (Dark Gray)	512R01395-002

## “BM” Series Drafter Kits

Usage	Size	Part Number
<b>115 Volt Drafter Kit*</b>		
BMF, BMB, BMD, BMS	30/45	ASRM1-030
	60/75	ASRM1-060
	100	ASRM1-100
	125	ASRM1-125
	150	ASRM1-150
	175	ASRM1-175
	200	ASRM1-200
	225	ASRM1-225
	250	ASRM1-250
	300/350	ASRM1-300
	400	ASRM1-400
<b>208 Volt Drafter Kit*</b>		
BMF, BMB, BMD, BMS	30/45	ASRM12-030
	60/75	ASRM12-060
	100	ASRM12-100
	125	ASRM12-125
	150	ASRM12-150
	175	ASRM12-175
	200	ASRM12-200
	225	ASRM12-225
	250	ASRM12-250
	300/350	ASRM12-300
	400	ASRM12-400
<b>230 Volt Drafter Kit*</b>		
BMF, BMB, BMD, BMS	30/45	ASRM13-030
	60/75	ASRM13-060
	100	ASRM13-100
	125	ASRM13-125
	150	ASRM13-150
	175	ASRM13-175
	200	ASRM13-200
	225	ASRM13-225
	250	ASRM13-250
	300/350	ASRM13-300
	400	ASRM13-400

### LEGEND:

BMF = “BM” Series Prop  
 BMB = “BM” Series Blower  
 BMD = “BM” Series Duct (Bottom Access)  
 BMS = “BM” Series Duct (Side Access)

\* Kit contains drafter assembly,  
 transition assembly and relay.

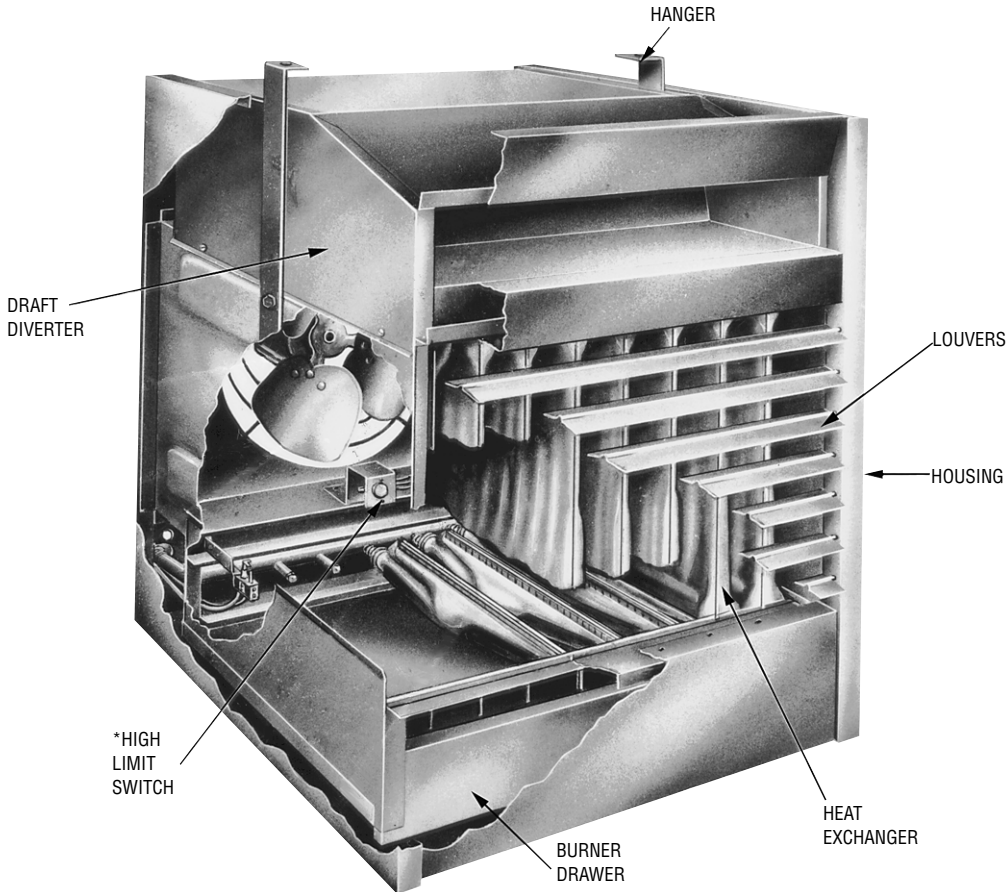
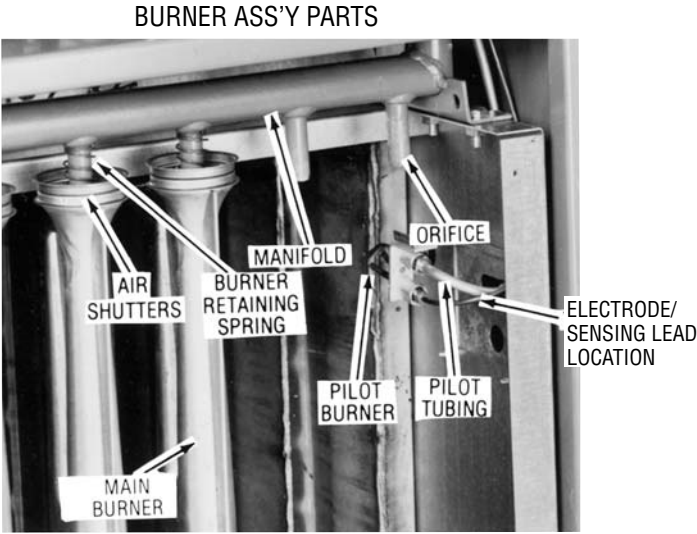
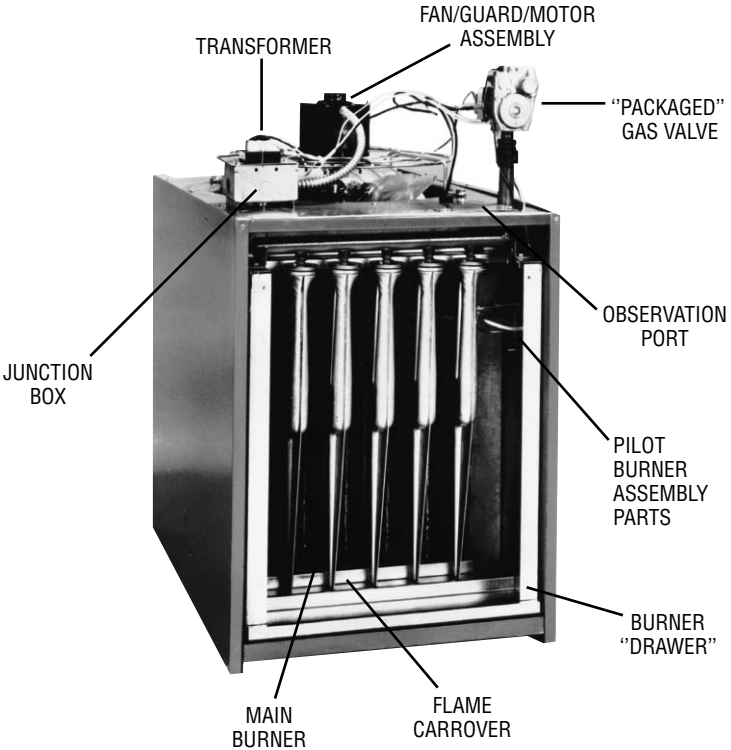
To order individual drafter parts see above.

# “BM” Series Field Installed Accessories

Usage	Size	Part Number
<b><i>Y-Splitter Nozzle</i></b>		
BMF, BMB, BMEF, BMEB, BMSF, BMSB	100	ASRQ1-100
	125/150	ASRQ1-125
	175	ASRQ1-175
	200	ASRQ1-200
	225	ASRQ1-225
	250	ASRQ1-250
	300	ASRQ1-300
	350	ASRQ1-350
	400	ASRQ1-400
<b><i>30 Degree Nozzle</i></b>		
BMF, BMB, BMEF, BMEB, BMSF, BMSB	100	ASRQ2-100
	125/150	ASRQ2-125
	175	ASRQ2-175
	200	ASRQ2-200
	225	ASRQ2-225
	250	ASRQ2-250
	300	ASRQ2-300
	350	ASRQ2-350
	400	ASRQ2-400
<b><i>60 Degree Nozzle</i></b>		
BMF, BMB, BMEF, BMEB, BMSF, BMSB	100	ASRQ3-100
	125/150	ASRQ3-125
	175	ASRQ3-175
	200	ASRQ3-200
	225	ASRQ3-225
	250	ASRQ3-250
	300	ASRQ3-300
	350	ASRQ3-350
	400	ASRQ3-400
	<b><i>90 Degree Nozzle</i></b>	
BMF, BMB, BMEF, BMEB, BMSF, BMSB	100	ASRQ4-100
	125/150	ASRQ4-125
	175	ASRQ4-175
	200	ASRQ4-200
	225	ASRQ4-225
	250	ASRQ4-250
	300	ASRQ4-300
	350	ASRQ4-350
	400	ASRQ4-400
	<b><i>Polytube Adapter</i></b>	
BMB, BMEB, BMSB	150	ASRQ5-150
	175	ASRQ5-175
	200	ASRQ5-200
	225	ASRQ5-225
	250	ASRQ5-250
	300	ASRQ5-300
	350	ASRQ5-350
	400	ASRQ5-400

Usage	Size	Part Number	
<b><i>Vertical Louver Set w/ Springs + Brackets</i></b>			
BMF, BMB, BMEF, BMEB, BMSF, BMSB	30	ASRQ6-030	
	45	ASRQ6-045	
	60	ASRQ6-060	
	75	ASRQ6-075	
	100	ASRQ6-004	
	125	ASRQ6-005	
	150	ASRQ6-006	
	175	ASRQ6-007	
	200	ASRQ6-008	
	225	ASRQ6-009	
	250	ASRQ6-010	
	300	ASRQ6-012	
	350	ASRQ6-014	
	400	ASRQ6-016	
	<b><i>Horizontal and Vertical Louvers</i></b>		
	BMD, BMS, BMED, BMES, BMSD	100	ASRQ7-004
125		ASRQ7-005	
150		ASRQ7-006	
175		ASRQ7-007	
200		ASRQ7-008	
225		ASRQ7-009	
250		ASRQ7-010	
300		ASRQ7-012	
350		ASRQ7-014	
400		ASRQ7-016	
<b><i>409 Stainless Steel Drip Pan</i></b>			
BMD, BMS, BMED, BMES	100	ASRS4-100	
	125/150	ASRS4-125	
	175	ASRS4-175	
	200	ASRS4-200	
	225	ASRS4-225	
	250	ASRS4-250	
	300	ASRS4-300	
	350	ASRS4-350	
	400	ASRS4-400	
<b><i>Concentric Vent Kits</i></b>			
BMSF, BMSB, BMSD	Vertical	ASRM4	
	Horizontal	ARSM5	
	All Sizes		

# Component Identification Guide



# Terms

**ALL SHIPMENTS ARE F.O.B. FARMVILLE, N.C. 27828**  
**FREIGHT ROUTING SHALL BE AT THE DISCRETION OF THE SHIPPER**

**PRICES:** Published trade prices in effect at time of receipt of order at our office are firm provided the complete order is released for fabrication and shipment within 6 months from date of receipt of written order at the factory. Releases for shipment after 6 months will be billed on the basis of trade prices in effect at time of release.

No obligation is assumed by this Corporation to sell, to anyone holding this book, any of the items listed herein at the prices stated.

**TERMS:** Net 30 Days.

Prepaid freight or cartage charges paid by us and added to invoice are not subject to cash discount.

**TAXES:** The prices listed herein exclude Federal, State, or Municipal Tax applicable to the transaction. Such taxes, where applicable to the transaction should be paid directly to the governing authority by the Purchaser.

**CLAIMS:** As all goods are shipped at buyer's risk they should be examined carefully before signing transportation delivery receipts. If transportation company tenders delivery of goods in bad order, buyer should insist on transportation agent making notation of conditions on delivery receipt and request an inspection within 48 hours, thus enabling buyer to secure prompt payment of transportation claims filed by him for value of damaged material.

The responsibility of this company ceases upon delivery of goods in order to transportation companies. All orders are accepted subject to delays on account of government requirements, strikes, accidents or other causes beyond our control.

**RETURNED GOODS:** Goods must not be returned except by written permission from the factory, and when so returned will be accepted only as stated in the following conditions:

1. Special material is not subject to return.
2. All transportation charges for returned goods must be prepaid by shipper.
3. Standard catalogued products may be returned upon written permission. After inspection at the factory, if they are found to be in good condition they will be accepted for credit, subject to a 25% handling charge.
4. No goods will be accepted for return more than 90 days after shipment.

**CHANGES TO A RELEASED ORDER** – Work commences on release of an order, therefore, an order that is changed will be subject to additional charges for any extra time and material expended.

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon Morris' plant.

Beacon Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon Morris.





# BRT SERIES GAS-FIRED TUBULAR UNIT HEATERS REPLACEMENT PARTS CATALOG

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**IMPORTANT**  
WHEN ORDERING PARTS, PLEASE  
SPECIFY UNIT MODEL NO. AND SERIAL NO.



260 NORTH ELM ST., WESTFIELD, MA 01085 • TEL: (413) 564-5540  
7555 TRANMERE DRIVE, MISSISSAUGA ONTARIO L5S 1L4 • TEL.: (905) 670-5888  
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# LOW PROFILE TUBULAR PROPELLER UNIT NUMBER DESCRIPTION

<b>Digit</b>	<b>G</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>+</b>
<b>Item</b>	<b>Prefix</b>					<b>UT</b>		<b>CA</b>			<b>FT</b>	<b>FM</b>	<b>GT</b>	<b>AL</b>	<b>GC</b>	<b>SV</b>	<b>MT</b>	<b>DL</b>	<b>AS</b>		

(Internal Use Only)

**Digit #1, 2 - Unit Type [UT]**

**BRT** - Low Profile Tubular Propeller

**Digit #3, 4, 5 - Capacity [CA]**

**030** - 30,000 BTU/HR

**045** - 45,000 BTU/HR

**060** - 60,000 BTU/HR

**075** - 75,000 BTU/HR

**090** - 90,000 BTU/HR

**105** - 105,000 BTU/HR

**120** - 120,000 BTU/HR

**Digit #6 - Furnace Type [FT]**

**A** - Right Side Access

**Digit #7 - Furnace Material [FM]\***

**1** - Standard (Aluminized) Steel

**2** - 409 Stainless Steel

*\*Heat Exchanger Tube Material Only.*

**Digit #8 - Gas Type [GT]**

**N** - Natural Gas

**P** - Propane Gas (LP)

**Digit #9 - Altitude [AL]**

**S** - 0-4,999 ft.

**T** - 5,000-11,999 ft.

*Note: Installations over 2,000 ft. require gas input deration in the field. Refer to unit installation instructions.*

**Digit #10 - Direct Spark Gas Control [GC]**

**1** - Single Stage (Standard)

**2** - Two Stage (Capacities [CA] 060 through 120 only)

**Digit #11 - Supply Voltage [SV]**

**1** - 115/1/60      **5** - 230/3/60

**2** - 208/1/60      **6** - 460/3/60

**3** - 230/1/60      **7** - 575/3/60

**4** - 208/3/60      **Z** - Special

*Note: Supply Voltages [SV] 2-7 include field mounted step down transformer.*

**Digit #12 - Motor Type [MT]**

**1** - Open Drip Proof (Standard)

**2** - Totally Enclosed (Capacities [CA] 060 through 120 only)

**Digit #13 - Development Level [DL]**

**C** - Production Onset

**Digit #14+ - Accessories [AS]**

**FACTORY INSTALLED**

**S3** - 409 Stainless Steel Flue Collector

**Z1** - Special

**FIELD INSTALLED (11AS-\_\_\_\_)**

**All Field Installed Accessories are to be entered as a separate line item using catalog number which places "11AS" as a prefix. i.e. G3 becomes 11AS-G3.**

**A7** - High Pressure Regulator

**A7-1/2-1** Regulator for 0.5-10 PSI

**A7-3/8-1** Regulator for 10-20 PSI

**A7-5/16-1** Regulator for 20-35 PSI

**G1** - 1-Stage Mercury Free Thermostat (Round)

**G2** - 1-Stage Mercury Free Thermostat w/Guard Kit

**G3** - 1-Stage Mercury Free Thermostat w/Fan Switch

**G5** - 2-Stage Mercury Free Thermostat w/Fan Switch

**G6** - Locking Thermostat Cover

**G9** - 1-Stage Mercury Free Heating Only Thermostat

**GW** - WiFi Thermostat TH8321WF1001/U

**P5** - 24V SPST Relay-Specify Purpose

**T1** - Quick Swivel Mounting Bracket

**VC-4** - 4" Vent Cap

**X2** - 30 Degree Downturn Nozzle

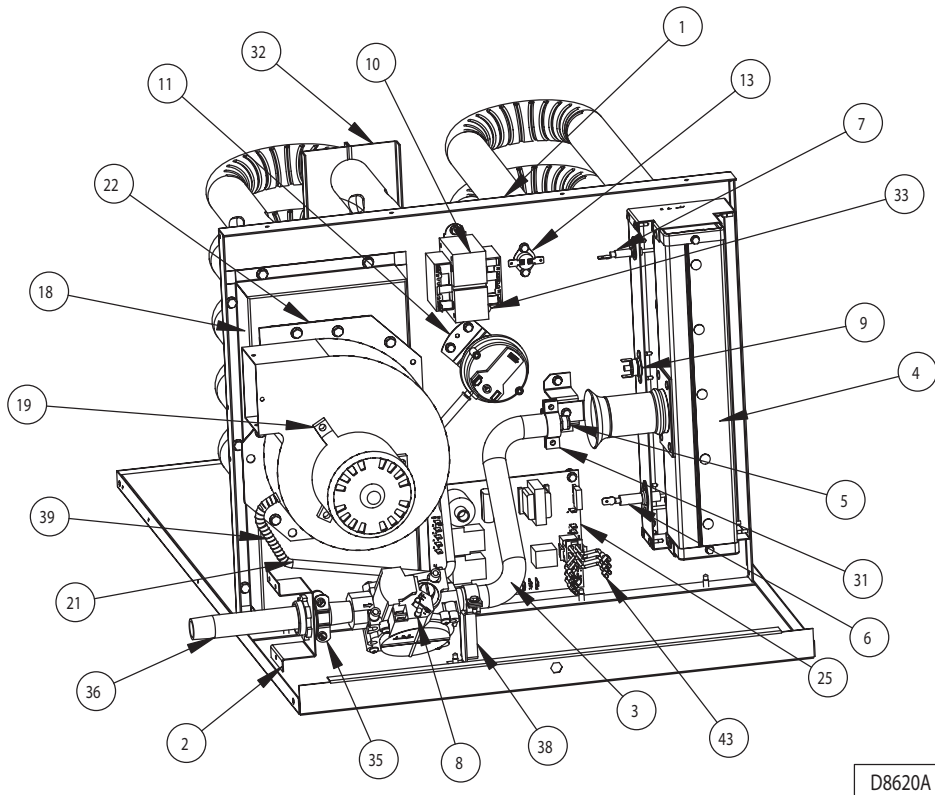
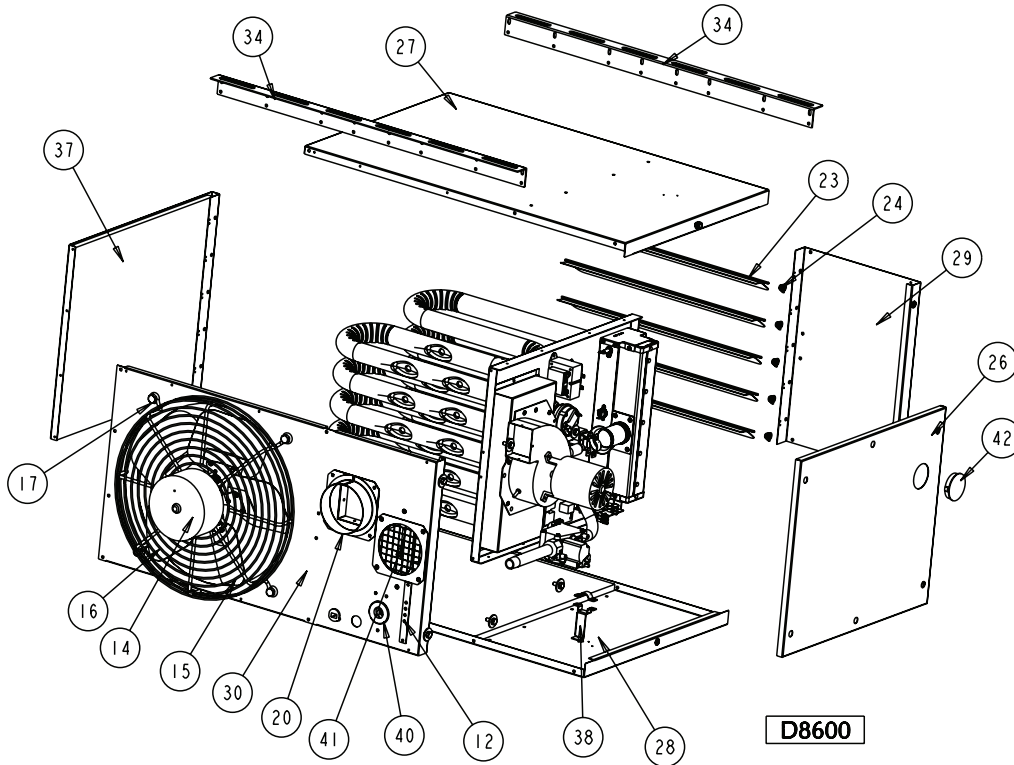
**X3** - 60 Degree Downturn Nozzle

**X4** - 90 Degree Downturn Nozzle

**X7-4** - Combustion Air Inlet Kit (Capacities [CA] 030-075)

**X7-5** - Combustion Air Inlet Kit (Capacities [CA] 090-120)

# BRT SERIES 30-120 MBH REPLACEMENT PARTS



# BRT SERIES 30-120 MBH REPLACEMENT PARTS

ITEM NO.	UNIT CAPACITY (MBH)		30	45
	NO. OF TUBES PER MODEL		2	3
ITEM DESCRIPTION		PART NO.		
1	VESTIBULE PANEL/TUBE ASS'Y (HEAT EXCHANGER)	ALUMINIZED	11501R08350-001	11501R08351-001
		409 STAINLESS STEEL	11501R08350-003	11501R08351-003
2	BRACKET/GAS TRAIN (REAR PANEL MOUNTED)	11252R08463		
3	MANIFOLD	11J37R08320-030		
4	BURNER ASSEMBLY (FLAME SENSOR, ROLLOUT SWITCH & IGNITOR SOLD SEPARATELY)	11502R08493-030	11502R08493-045	
5	BURNER ORIFICE [orifice size] QTY. REQUIRED FOR ALL MODEL SIZES = 1	NATURAL GAS	11J36R04694-018 [#38]	11J36R04694-023 [#31]
		PROPANE (LP) GAS	11512R08532-011 [#52]	11512R08532-012 [#48]
6	SPARK IGNITOR	11J38R06891-003		
7	FLAME SENSOR	11J38R06890-003		
8	GAS VALVE, SINGLE STAGE <sup>A</sup>	NATURAL GAS	11J28R06892-001	
		PROPANE (LP) GAS	11J28R06892-002	
9	MANUAL ROLLOUT SAFETY SWITCH	11J11R04849-003		
10	TRANSFORMER, 50 VA, 115/24	11J14R03245-012		
11	AIR PRESSURE SWITCH	STD ALT (0-4,999 FT)	11J11R06779-001	
		HIGH ALT (5,000 FT +)	11J11R06780-001	
12	TERMINAL BLOCK PLATE	11J09R04609		
13	HIGH LIMIT SWITCH	11J11R08365-002		
14	FAN MOTOR (ODP)	11J31R04766		
15	OSHA FAN GUARD	11J32R04884		
16	FAN BLADE	11J34R06999-016	11J34R06999-017	
17	FAN/GUARD/MOTOR MOUNT HARDWARE KIT	11261R04963-001		
18	FLUE COLLECTOR (INCLUDES GASKET) <sup>B</sup>	ALUMINIZED	11507R08312-130	11507R08312-145
		409 STAINLESS STEEL	11507R08312-330	11507R08312-345
19	POWER VENTER (DRAFTER) ASSEMBLY (INCLUDES GASKET)	11J35R04700		
20	FLUE COLLAR (INCLUDES GASKET AND HARDWARE)	11257R08337		
21	VINYL TUBING (PRESSURE SWITCH) - 19 INCHES LONG	11H07R01471-019		
22	POWER VENTER MOUNTING PLATE (INCLUDES GASKET)	NOT APPLICABLE		
23	LOUVER (QTY. REQ'D PER MODEL)	11257R04587-113 (3)		
24	LOUVER SPRING (QTY. REQ'D PER MODEL)	11J26R01960 (3)		
25	CONTROL BOARD	11J28R06881		
26	ACCESS PANEL (INCLUDES HARDWARE)	11251R08308-030		
27	TOP JACKET PANEL W/INSULATION	11251R08303		
28	BOTTOM JACKET PANEL W/INSULATION	11251R08303		
29	FRONT JACKET PANEL	11251R08306-030		
30	REAR JACKET PANEL	11251R08318-030		
31	BRACKET CAP, MANIFOLD	11252R08466		
32	TUBE SUPPORT BRACKET KIT	11252R06882	11252R06883	
33	GREEN GROUND SCREW	11J21R05120-001		
34	HANGER BRACKET	11252R08347		
35	MANIFOLD CLAMP	11J09R08500		
36	PIPE NIPPLE (6" LENGTH)	11J40R00601-010		
37	LEFT SIDE PANEL W/ INSULATION	11251R08345-030		
38	MANIFOLD SUPPORT BRACKET KIT	11252R08644		
39	SPRING (FOR VINYL TUBING)	11J26R06480		
40	GROMMET	11J07R02872-001		
41	INLET AIR COLLAR ASSEMBLY (INCLUDES SCREEN)	11257R10439		
42	BURNER BOX VIEW PORT	11J07R08348-001		
43	MOLEX CONNECTOR WIRE HARNESS ASSEMBLY	11J11R06887-001		
N/S	INLET AIR COLLAR GASKET	11262R08332		
N/S	ACCESS PANEL GASKET	11262R08614-004		
N/S	IGNITION CABLE (ORANGE) - 14 INCHES LONG	11J28R06971-001		
N/S	FLAME SENSOR WIRE (WHITE) - 21 INCHES LONG	11260R08248-001		

**Notes:**

- A When replacing single stage gas valve on units built between July 25, 2022 and November 18, 2022, gas valve bracket part no. 11252R08646 must also be ordered.
- B When replacing a flue collector, make sure the flue collector box is sealed completely with factory-supplied gasket.
- N/S Part not shown.

# BRT SERIES 30-120 MBH REPLACEMENT PARTS

60	75	90	105	120	ITEM NO.
4	5	6	7	8	
PART NO.					
11501R08352-001	11501R08353-001	11501R08354-001	11501R08355-001	11501R08356-001	1
11501R08352-003	11501R08353-003	11501R08354-003	11501R08355-003	11501R08356-003	
11252R08463					2
11J37R08320-030		11J37R08320-190			3
11502R08493-060	11502R08493-075	11502R08493-090	11502R08493-105	11502R08493-120	4
11J36R04694-005 [#27]	11J36R04694-022 [#20]	11J36R04694-016 [#16]	11J36R04694-024 [#11]	11J36R04694-039 [#6]	5
11512R08532-008 [#43]	11512R08532-023 [#40]	11512R08532-009 [#36]	11512R08532-021 [#32]	11512R08532-022 [3.1MM]	
11J38R06891-003					6
11J38R06890-003					7
11J28R06892-001					8
11J28R06892-002					
11J11R04849-003					9
11J14R03245-012					10
11J11R06780-008		11J11R06780-004	11J11R06779-002		11
11J11R06780-009		11J11R06780-006	11J11R06780-002		
11J09R04609					12
11J11R08365-001					13
11J31R04091		11J31R04092-002			14
11J32R08327-002		11M32R06163			15
11J34R06999-006	11J34R06999-007	11J34R06999-114	11J34R06999-115	11J34R06999-103	16
11261R04963-002					17
11507R08312-160	11507R08312-175	11507R08311-190	11507R08311-105	SEE PAGE 7	18
11507R08312-360	11507R08312-375	11507R08311-390	11507R08311-305	SEE PAGE 7	
11J35R08510		11J35R04581			19
11257R08340					20
11H07R01471-019					21
NOT APPLICABLE		11252R08315			22
11257R04587-113 (5)		11257R04587-113 (7)			23
11J26R01960 (5)		11J26R01960 (7)			24
11J28R06881					25
11251R08308-060		11251R08308-090			26
11251R08303					27
11251R08303					28
11251R08306-060		11251R08306-090			29
11251R08318-060		11251R08318-090		SEE PAGE 7	30
11252R08466					31
11252R06884	11252R06885	11252R08364-090	11252R08364-105	11252R08364-120	32
11J21R05120-001					33
11252R08347					34
11J09R08500					35
11J40R00601-010					36
11251R08345-060		11251R08345-090			37
11252R08644					38
11J26R06480					39
11J07R02872-001					40
11257R10439		11251R10355			41
11J07R08348-001					42
11J11R06887-001					43
11262R08332		11J37R08335			N/S
11262R08614-004		11262R08614-005			N/S
11J28R06971-001					N/S
11260R08248-001					N/S

**Notes:**

- A When replacing single stage gas valve on units built between July 25, 2022 and November 18, 2022, gas valve bracket part no. 11252R08646 must also be ordered.
- B When replacing a flue collector, make sure the flue collector box is sealed completely with factory-supplied gasket.
- N/S Part not shown.

# BRT SERIES REPLACEMENT PARTS

FIELD INSTALLED AND OPTIONAL ITEMS		
DESCRIPTION [ACCESSORY OPTION NO.]		PART NO.
NATURAL GAS VALVE, TWO STAGE (UNIT SIZES 60-120)		11J28R06894-001
PROPANE (LP) GAS VALVE, TWO STAGE (UNIT SIZES 60-120)		11J28R06894-002
TOTALLY ENCLOSED FAN MOTOR (UNIT SIZES 60-75)		11J31R01872
TOTALLY ENCLOSED FAN MOTOR (UNIT SIZES 90-120)		11J31R01694
4" VENT CAP	[VC-4]	11AS-VC-4
4" TO 5" VENT ADAPTER (FOR 5" FLUE)		11J37R02185
TUBE OF HIGH TEMP SEALANT (2.8 oz.)		11H03R03612-002
TOUCH UP PAINT SPRAY CAN (12 oz.)		11512R01395-001
PRESSURE REGULATOR (0.5-10 PSI)		11AS-A7-1/2-1
PRESSURE REGULATOR (10-20 PSI)	[A7]	11AS-A7-3/8-1
PRESSURE REGULATOR (20-35 PSI)		11AS-A7-5/16-1
1-STAGE MERCURY-FREE THERMOSTAT (ROUND)	[G1]	11AS-G1
1-STAGE MERCURY-FREE THERMOSTAT W/ GUARD KIT	[G2]	11AS-G2
1-STAGE MERCURY-FREE THERMOSTAT W/ FAN SWITCH	[G3]	11AS-G3
2-STAGE MERCURY-FREE THERMOSTAT W/ FAN SWITCH	[G5]	11AS-G5
1-STAGE MERCURY-FREE THERMOSTAT, HEATING ONLY	[G9]	11AS-G9
WIFI THERMOSTAT TH8321WF1001/U	[GW]	11AS-GW
LOCKING THERMOSTAT COVER (GUARD)	[G6]	11AS-G6
24V SPST RELAY	[P5]	11J10R00818-003
QUICK SLING MOUNTING BRACKET	[T1]	11ASRT1

COMBUSTION AIR INLET KITS		
DESCRIPTION	4" (INCH) PART NO.	5" (INCH) PART NO.
COMPLETE KIT	11AS-X7-4	11AS-X7-5
<b>PARTS INCLUDED IN KIT (SOLD SEPARATELY)</b>		
VENT CAP (FLUE VENT TERMINAL)	11J37R08571-001	11J37R08571-002
COMBUSTION AIR INLET BOX ASSEMBLY	11507R06601-DBL	11507R08560-DBL
AIR INLET SCREEN	11J37R06665-DBL	11J37R08572-DBL
DEFLECTOR DISK	11507R06693-DBL	11507R08569-DBL
TUBE OF HIGH TEMP SEALANT (2.8 oz.)	11H03R03612-002	11H03R03612-002
GASKET, O-RING	11H03R09471-004	11H03R09471-005
FLUE VENT ADAPTOR - 5" TO 4"	N/A	11J37R02185

# BRT SERIES GAS CONVERSION KITS

CONVERTING FROM NATURAL GAS (NG) TO PROPANE (LP) GAS		CONVERTING FROM PROPANE (LP) GAS TO NATURAL GAS (NG)	
MODEL NO.	CONVERSION KIT PART NO.	MODEL NO.	CONVERSION KIT PART NO.
BRT-030	11CKNTPDS030-52	BRT-030	11CKPTNDS030-38
BRT-045	11CKNTPDS045-48	BRT-045	11CKPTNDS045-31
BRT-060	11CKNTPDS060-43	BRT-060	11CKPTNDS060-27
BRT-075	11CKNTPDS075-40	BRT-075	11CKPTNDS075-20
BRT-090	11CKNTPDS090-36	BRT-090	11CKPTNDS090-16
BRT-105	11CKNTPDS105-32	BRT-105	11CKPTNDS105-11
BRT-120	11CKNTPDS1203.1	BRT-120	11CKPTNDS120-6

BRT120 FLUE COLLECTOR AND REAR JACKET PANEL REPLACEMENT PARTS			
DESCRIPTION		BRT120 MANUFACTURED PRIOR TO AUGUST 5, 2014	BRT120 MANUFACTURED ON OR AFTER AUGUST 5, 2014
FLUE COLLECTOR	ALUMINIZED STEEL	11507R08311-120	11507R09478-120
	409 STAINLESS STEEL	11507R08311-320	11507R09478-320
AIR INLET BAFFLE		N/A	11507R08587
REAR JACKET PANEL		11251R08318-090	11251R09480-120

# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question about the warranty, we can answer it at this point. Consultation with our Technical Service Dept. may be required to determine the correct replacement parts, and you will be given a call log number for reference.
- Fill out Beacon Morris's Return Goods Authorization (RGA) Request Form, available on SalesAssistant.com. Submit the form to Beacon Morris along with an order for the necessary parts. Be sure to include the call log number on both the form and the parts order.
- Once your order and completed RGA form are received, Beacon Morris will enter the order and issue you an RGA, if applicable, with instructions on how and where to send the defective parts.
- An invoice will be generated and mailed. The invoice may list the call log number, RGA number and state "a RGA has been issued." Once the defective item has been returned and confirmed as "defective in warranty," a credit will be issued for the original invoice amount.
- Returned goods must ship back within 30 days from date of RGA. If we do not receive the parts within 30 days, the RGA will be voided. Parts returned and found to be valid under warranty will be credited for parts only. If our inspection reveals that the parts returned are in a non-warranty condition, no credit will be issued. Freight is not covered under warranty.

In order to ensure the orderly processing of your warranty claim, it is **MANDATORY** that certain paperwork accompany any and all goods returned to Beacon Morris. It is also mandatory that goods be sent to the proper location.

In order to ensure proper handling of these goods, Beacon Morris **MUST** formally authorize the return of material to our various facilities under any circumstance. Any material returned without authorization will not be accepted.

In order to ensure that your properly authorized returns are accepted at our plant, you **MUST** clearly mark any and all shipping papers with an RGA number; Beacon Morris will not accept shipments that do not clearly show an RGA number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid.  
Collect Shipments will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY  
REPLACEMENT PARTS NOT LISTED IN THIS PUBLICATION.  
LIMITED AVAILABILITY ON CERTAIN OBSOLETE EQUIPMENT.

TEL. 413-564-5540

FAX# 413-562-5311

www.Beacon Morrishvac.com

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon Morris's plant.

Beacon Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon Morris.



Beacon Morris

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A MESTEK COMPANY



# BRT SERIES GAS-FIRED TUBULAR UNIT HEATERS REPLACEMENT PARTS CATALOG

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<b>Item</b>	<b>Prefix</b>					<b>UT</b>		<b>CA</b>			<b>FT</b>	<b>FM</b>	<b>GT</b>	<b>AL</b>	<b>GC</b>	<b>SV</b>	<b>MT</b>	<b>DL</b>	<b>AS</b>		

(Internal Use Only)

**Digit #1, 2 - Unit Type [UT]**

**BRT** - Low Profile Tubular Propeller

**Digit #3, 4, 5 - Capacity [CA]**

**030** - 30,000 BTU/HR

**045** - 45,000 BTU/HR

**060** - 60,000 BTU/HR

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**090** - 90,000 BTU/HR

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**Digit #6 - Furnace Type [FT]**

**A** - Right Side Access

**Digit #7 - Furnace Material [FM]\***

**1** - Standard (Aluminized) Steel

**2** - 409 Stainless Steel

*\*Heat Exchanger Tube Material Only.*

**Digit #8 - Gas Type [GT]**

**N** - Natural Gas

**P** - Propane Gas (LP)

**Digit #9 - Altitude [AL]**

**S** - 0-4,999 ft.

**T** - 5,000-11,999 ft.

*Note: Installations over 2,000 ft. require gas input deration in the field. Refer to unit installation instructions.*

**Digit #10 - Direct Spark Gas Control [GC]**

**1** - Single Stage (Standard)

**2** - Two Stage (Capacities [CA] 060 through 120 only)

**Digit #11 - Supply Voltage [SV]**

**1** - 115/1/60      **5** - 230/3/60

**2** - 208/1/60      **6** - 460/3/60

**3** - 230/1/60      **7** - 575/3/60

**4** - 208/3/60      **Z** - Special

*Note: Supply Voltages [SV] 2-7 include field mounted step down transformer.*

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**1** - Open Drip Proof (Standard)

**2** - Totally Enclosed (Capacities [CA] 060 through 120 only)

**Digit #13 - Development Level [DL]**

**C** - Production Onset

**Digit #14+ - Accessories [AS]**

**FACTORY INSTALLED**

**S3** - 409 Stainless Steel Flue Collector

**Z1** - Special

**FIELD INSTALLED (11AS-\_\_\_\_)**

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**A7** - High Pressure Regulator

**A7-1/2-1** Regulator for 0.5-10 PSI

**A7-3/8-1** Regulator for 10-20 PSI

**A7-5/16-1** Regulator for 20-35 PSI

**G1** - 1-Stage Mercury Free Thermostat (Round)

**G2** - 1-Stage Mercury Free Thermostat w/Guard Kit

**G3** - 1-Stage Mercury Free Thermostat w/Fan Switch

**G5** - 2-Stage Mercury Free Thermostat w/Fan Switch

**G6** - Locking Thermostat Cover

**G9** - 1-Stage Mercury Free Heating Only Thermostat

**GW** - WiFi Thermostat TH8321WF1001/U

**P5** - 24V SPST Relay-Specify Purpose

**T1** - Quick Swivel Mounting Bracket

**VC-4** - 4" Vent Cap

**X2** - 30 Degree Downturn Nozzle

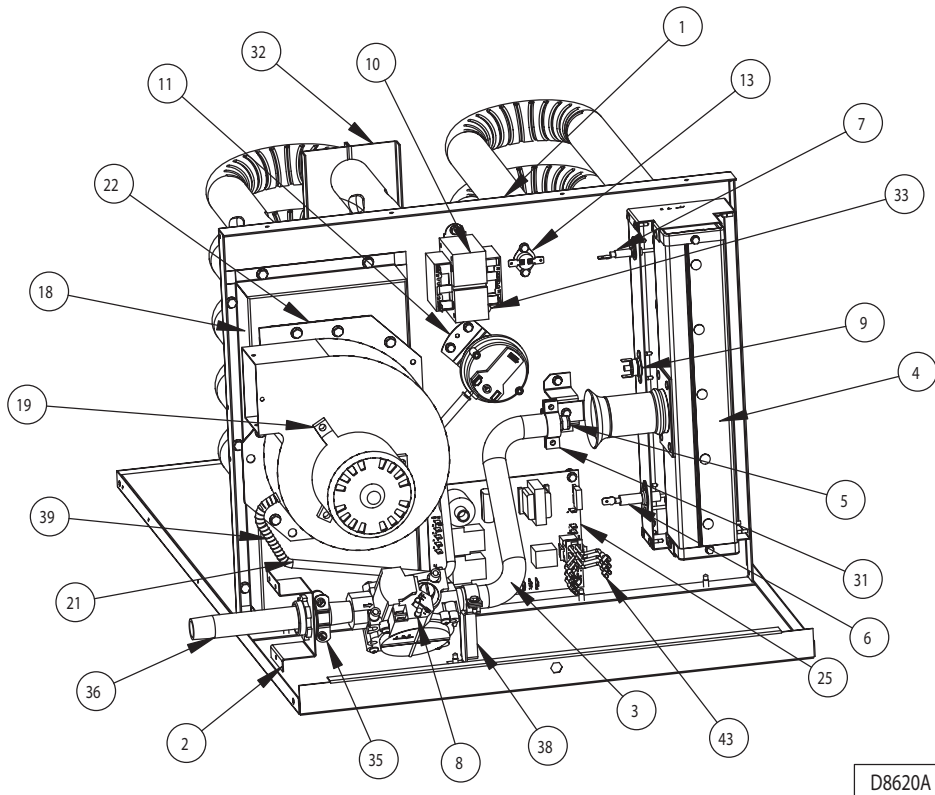
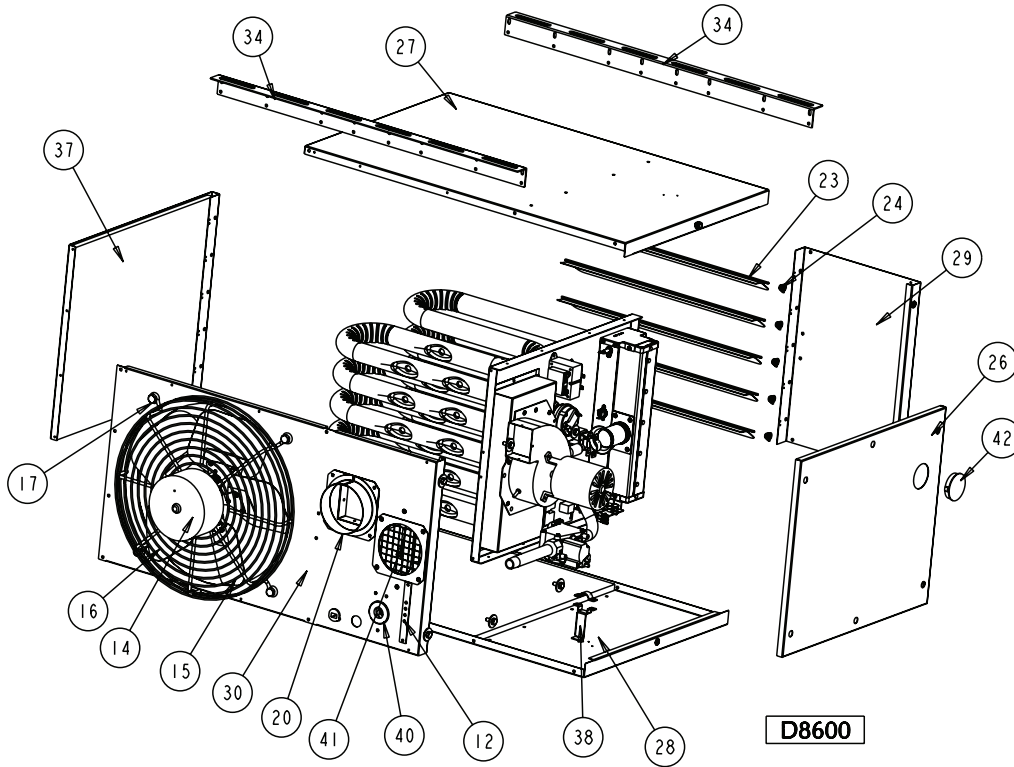
**X3** - 60 Degree Downturn Nozzle

**X4** - 90 Degree Downturn Nozzle

**X7-4** - Combustion Air Inlet Kit (Capacities [CA] 030-075)

**X7-5** - Combustion Air Inlet Kit (Capacities [CA] 090-120)

# BRT SERIES 30-120 MBH REPLACEMENT PARTS



# BRT SERIES 30-120 MBH REPLACEMENT PARTS

ITEM NO.	UNIT CAPACITY (MBH)		30	45
	NO. OF TUBES PER MODEL		2	3
ITEM DESCRIPTION		PART NO.		
1	VESTIBULE PANEL/TUBE ASS'Y (HEAT EXCHANGER)	ALUMINIZED	11501R08350-001	11501R08351-001
		409 STAINLESS STEEL	11501R08350-003	11501R08351-003
2	BRACKET/GAS TRAIN (REAR PANEL MOUNTED)	11252R08463		
3	MANIFOLD	11J37R08320-030		
4	BURNER ASSEMBLY (FLAME SENSOR, ROLLOUT SWITCH & IGNITOR SOLD SEPARATELY)	11502R08493-030	11502R08493-045	
5	BURNER ORIFICE [orifice size] QTY. REQUIRED FOR ALL MODEL SIZES = 1	NATURAL GAS	11J36R04694-018 [#38]	11J36R04694-023 [#31]
		PROPANE (LP) GAS	11512R08532-011 [#52]	11512R08532-012 [#48]
6	SPARK IGNITOR	11J38R06891-003		
7	FLAME SENSOR	11J38R06890-003		
8	GAS VALVE, SINGLE STAGE <sup>A</sup>	NATURAL GAS	11J28R06892-001	
		PROPANE (LP) GAS	11J28R06892-002	
9	MANUAL ROLLOUT SAFETY SWITCH	11J11R04849-003		
10	TRANSFORMER, 50 VA, 115/24	11J14R03245-012		
11	AIR PRESSURE SWITCH	STD ALT (0-4,999 FT)	11J11R06779-001	
		HIGH ALT (5,000 FT +)	11J11R06780-001	
12	TERMINAL BLOCK PLATE	11J09R04609		
13	HIGH LIMIT SWITCH	11J11R08365-002		
14	FAN MOTOR (ODP)	11J31R04766		
15	OSHA FAN GUARD	11J32R04884		
16	FAN BLADE	11J34R06999-016	11J34R06999-017	
17	FAN/GUARD/MOTOR MOUNT HARDWARE KIT	11261R04963-001		
18	FLUE COLLECTOR (INCLUDES GASKET) <sup>B</sup>	ALUMINIZED	11507R08312-130	11507R08312-145
		409 STAINLESS STEEL	11507R08312-330	11507R08312-345
19	POWER VENTER (DRAFTER) ASSEMBLY (INCLUDES GASKET)	11J35R04700		
20	FLUE COLLAR (INCLUDES GASKET AND HARDWARE)	11257R08337		
21	VINYL TUBING (PRESSURE SWITCH) - 19 INCHES LONG	11H07R01471-019		
22	POWER VENTER MOUNTING PLATE (INCLUDES GASKET)	NOT APPLICABLE		
23	LOUVER (QTY. REQ'D PER MODEL)	11257R04587-113 (3)		
24	LOUVER SPRING (QTY. REQ'D PER MODEL)	11J26R01960 (3)		
25	CONTROL BOARD	11J28R06881		
26	ACCESS PANEL (INCLUDES HARDWARE)	11251R08308-030		
27	TOP JACKET PANEL W/INSULATION	11251R08303		
28	BOTTOM JACKET PANEL W/INSULATION	11251R08303		
29	FRONT JACKET PANEL	11251R08306-030		
30	REAR JACKET PANEL	11251R08318-030		
31	BRACKET CAP, MANIFOLD	11252R08466		
32	TUBE SUPPORT BRACKET KIT	11252R06882	11252R06883	
33	GREEN GROUND SCREW	11J21R05120-001		
34	HANGER BRACKET	11252R08347		
35	MANIFOLD CLAMP	11J09R08500		
36	PIPE NIPPLE (6" LENGTH)	11J40R00601-010		
37	LEFT SIDE PANEL W/ INSULATION	11251R08345-030		
38	MANIFOLD SUPPORT BRACKET KIT	11252R08644		
39	SPRING (FOR VINYL TUBING)	11J26R06480		
40	GROMMET	11J07R02872-001		
41	INLET AIR COLLAR ASSEMBLY (INCLUDES SCREEN)	11257R10439		
42	BURNER BOX VIEW PORT	11J07R08348-001		
43	MOLEX CONNECTOR WIRE HARNESS ASSEMBLY	11J11R06887-001		
N/S	INLET AIR COLLAR GASKET	11262R08332		
N/S	ACCESS PANEL GASKET	11262R08614-004		
N/S	IGNITION CABLE (ORANGE) - 14 INCHES LONG	11J28R06971-001		
N/S	FLAME SENSOR WIRE (WHITE) - 21 INCHES LONG	11260R08248-001		

**Notes:**

- A When replacing single stage gas valve on units built between July 25, 2022 and November 18, 2022, gas valve bracket part no. 11252R08646 must also be ordered.
- B When replacing a flue collector, make sure the flue collector box is sealed completely with factory-supplied gasket.
- N/S Part not shown.

# BRT SERIES 30-120 MBH REPLACEMENT PARTS

60	75	90	105	120	ITEM NO.
4	5	6	7	8	
PART NO.					
11501R08352-001	11501R08353-001	11501R08354-001	11501R08355-001	11501R08356-001	1
11501R08352-003	11501R08353-003	11501R08354-003	11501R08355-003	11501R08356-003	
11252R08463					2
11J37R08320-030		11J37R08320-190			3
11502R08493-060	11502R08493-075	11502R08493-090	11502R08493-105	11502R08493-120	4
11J36R04694-005 [#27]	11J36R04694-022 [#20]	11J36R04694-016 [#16]	11J36R04694-024 [#11]	11J36R04694-039 [#6]	5
11512R08532-008 [#43]	11512R08532-023 [#40]	11512R08532-009 [#36]	11512R08532-021 [#32]	11512R08532-022 [3.1MM]	
11J38R06891-003					6
11J38R06890-003					7
11J28R06892-001					8
11J28R06892-002					
11J11R04849-003					9
11J14R03245-012					10
11J11R06780-008		11J11R06780-004	11J11R06779-002		11
11J11R06780-009		11J11R06780-006	11J11R06780-002		
11J09R04609					12
11J11R08365-001					13
11J31R04091		11J31R04092-002			14
11J32R08327-002		11M32R06163			15
11J34R06999-006	11J34R06999-007	11J34R06999-114	11J34R06999-115	11J34R06999-103	16
11261R04963-002					17
11507R08312-160	11507R08312-175	11507R08311-190	11507R08311-105	SEE PAGE 7	18
11507R08312-360	11507R08312-375	11507R08311-390	11507R08311-305	SEE PAGE 7	
11J35R08510		11J35R04581			19
11257R08340					20
11H07R01471-019					21
NOT APPLICABLE		11252R08315			22
11257R04587-113 (5)		11257R04587-113 (7)			23
11J26R01960 (5)		11J26R01960 (7)			24
11J28R06881					25
11251R08308-060		11251R08308-090			26
11251R08303					27
11251R08303					28
11251R08306-060		11251R08306-090			29
11251R08318-060		11251R08318-090		SEE PAGE 7	30
11252R08466					31
11252R06884	11252R06885	11252R08364-090	11252R08364-105	11252R08364-120	32
11J21R05120-001					33
11252R08347					34
11J09R08500					35
11J40R00601-010					36
11251R08345-060		11251R08345-090			37
11252R08644					38
11J26R06480					39
11J07R02872-001					40
11257R10439		11251R10355			41
11J07R08348-001					42
11J11R06887-001					43
11262R08332		11J37R08335			N/S
11262R08614-004		11262R08614-005			N/S
11J28R06971-001					N/S
11260R08248-001					N/S

**Notes:**

- A When replacing single stage gas valve on units built between July 25, 2022 and November 18, 2022, gas valve bracket part no. 11252R08646 must also be ordered.
- B When replacing a flue collector, make sure the flue collector box is sealed completely with factory-supplied gasket.
- N/S Part not shown.

# BRT SERIES REPLACEMENT PARTS

FIELD INSTALLED AND OPTIONAL ITEMS		
DESCRIPTION [ACCESSORY OPTION NO.]		PART NO.
NATURAL GAS VALVE, TWO STAGE (UNIT SIZES 60-120)		11J28R06894-001
PROPANE (LP) GAS VALVE, TWO STAGE (UNIT SIZES 60-120)		11J28R06894-002
TOTALLY ENCLOSED FAN MOTOR (UNIT SIZES 60-75)		11J31R01872
TOTALLY ENCLOSED FAN MOTOR (UNIT SIZES 90-120)		11J31R01694
4" VENT CAP	[VC-4]	11AS-VC-4
4" TO 5" VENT ADAPTER (FOR 5" FLUE)		11J37R02185
TUBE OF HIGH TEMP SEALANT (2.8 oz.)		11H03R03612-002
TOUCH UP PAINT SPRAY CAN (12 oz.)		11512R01395-001
PRESSURE REGULATOR (0.5-10 PSI)		11AS-A7-1/2-1
PRESSURE REGULATOR (10-20 PSI)	[A7]	11AS-A7-3/8-1
PRESSURE REGULATOR (20-35 PSI)		11AS-A7-5/16-1
1-STAGE MERCURY-FREE THERMOSTAT (ROUND)	[G1]	11AS-G1
1-STAGE MERCURY-FREE THERMOSTAT W/ GUARD KIT	[G2]	11AS-G2
1-STAGE MERCURY-FREE THERMOSTAT W/ FAN SWITCH	[G3]	11AS-G3
2-STAGE MERCURY-FREE THERMOSTAT W/ FAN SWITCH	[G5]	11AS-G5
1-STAGE MERCURY-FREE THERMOSTAT, HEATING ONLY	[G9]	11AS-G9
WIFI THERMOSTAT TH8321WF1001/U	[GW]	11AS-GW
LOCKING THERMOSTAT COVER (GUARD)	[G6]	11AS-G6
24V SPST RELAY	[P5]	11J10R00818-003
QUICK SLING MOUNTING BRACKET	[T1]	11ASRT1

COMBUSTION AIR INLET KITS		
DESCRIPTION	4" (INCH) PART NO.	5" (INCH) PART NO.
COMPLETE KIT	11AS-X7-4	11AS-X7-5
<b>PARTS INCLUDED IN KIT (SOLD SEPARATELY)</b>		
VENT CAP (FLUE VENT TERMINAL)	11J37R08571-001	11J37R08571-002
COMBUSTION AIR INLET BOX ASSEMBLY	11507R06601-DBL	11507R08560-DBL
AIR INLET SCREEN	11J37R06665-DBL	11J37R08572-DBL
DEFLECTOR DISK	11507R06693-DBL	11507R08569-DBL
TUBE OF HIGH TEMP SEALANT (2.8 oz.)	11H03R03612-002	11H03R03612-002
GASKET, O-RING	11H03R09471-004	11H03R09471-005
FLUE VENT ADAPTOR - 5" TO 4"	N/A	11J37R02185

# BRT SERIES GAS CONVERSION KITS

CONVERTING FROM NATURAL GAS (NG) TO PROPANE (LP) GAS		CONVERTING FROM PROPANE (LP) GAS TO NATURAL GAS (NG)	
MODEL NO.	CONVERSION KIT PART NO.	MODEL NO.	CONVERSION KIT PART NO.
BRT-030	11CKNTPDS030-52	BRT-030	11CKPTNDS030-38
BRT-045	11CKNTPDS045-48	BRT-045	11CKPTNDS045-31
BRT-060	11CKNTPDS060-43	BRT-060	11CKPTNDS060-27
BRT-075	11CKNTPDS075-40	BRT-075	11CKPTNDS075-20
BRT-090	11CKNTPDS090-36	BRT-090	11CKPTNDS090-16
BRT-105	11CKNTPDS105-32	BRT-105	11CKPTNDS105-11
BRT-120	11CKNTPDS1203.1	BRT-120	11CKPTNDS120-6

BRT120 FLUE COLLECTOR AND REAR JACKET PANEL REPLACEMENT PARTS			
DESCRIPTION		BRT120 MANUFACTURED PRIOR TO AUGUST 5, 2014	BRT120 MANUFACTURED ON OR AFTER AUGUST 5, 2014
FLUE COLLECTOR	ALUMINIZED STEEL	11507R08311-120	11507R09478-120
	409 STAINLESS STEEL	11507R08311-320	11507R09478-320
AIR INLET BAFFLE		N/A	11507R08587
REAR JACKET PANEL		11251R08318-090	11251R09480-120

# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question about the warranty, we can answer it at this point. Consultation with our Technical Service Dept. may be required to determine the correct replacement parts, and you will be given a call log number for reference.
- Fill out Beacon Morris's Return Goods Authorization (RGA) Request Form, available on SalesAssistant.com. Submit the form to Beacon Morris along with an order for the necessary parts. Be sure to include the call log number on both the form and the parts order.
- Once your order and completed RGA form are received, Beacon Morris will enter the order and issue you an RGA, if applicable, with instructions on how and where to send the defective parts.
- An invoice will be generated and mailed. The invoice may list the call log number, RGA number and state "a RGA has been issued." Once the defective item has been returned and confirmed as "defective in warranty," a credit will be issued for the original invoice amount.
- Returned goods must ship back within 30 days from date of RGA. If we do not receive the parts within 30 days, the RGA will be voided. Parts returned and found to be valid under warranty will be credited for parts only. If our inspection reveals that the parts returned are in a non-warranty condition, no credit will be issued. Freight is not covered under warranty.

In order to ensure the orderly processing of your warranty claim, it is **MANDATORY** that certain paperwork accompany any and all goods returned to Beacon Morris. It is also mandatory that goods be sent to the proper location.

In order to ensure proper handling of these goods, Beacon Morris **MUST** formally authorize the return of material to our various facilities under any circumstance. Any material returned without authorization will not be accepted.

In order to ensure that your properly authorized returns are accepted at our plant, you **MUST** clearly mark any and all shipping papers with an RGA number; Beacon Morris will not accept shipments that do not clearly show an RGA number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid.  
Collect Shipments will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY  
REPLACEMENT PARTS NOT LISTED IN THIS PUBLICATION.  
LIMITED AVAILABILITY ON CERTAIN OBSOLETE EQUIPMENT.

TEL. 413-564-5540

FAX# 413-562-5311

www.Beacon Morrishvac.com

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon Morris's plant.

Beacon Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon Morris.



Beacon Morris

260 NORTH ELM ST., WESTFIELD, MA 01085 • TEL: (413) 564-5540  
7555 TRANMERE DRIVE, MISSISSAUGA ONTARIO L5S 1L4 • TEL.: (905) 670-5888  
www.beacon-morris.com



A MESTEK COMPANY



# MODEL "BTU", "BRU" & "BST" GAS-FIRED TUBULAR UNIT HEATERS REPLACEMENT PARTS CATALOG

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**IMPORTANT**  
WHEN ORDERING PARTS, PLEASE  
SPECIFY UNIT MODEL NO. AND SERIAL NO.



260 NORTH ELM ST., WESTFIELD, MA 01085 • TEL: (413) 562-5423 • FAX: (413) 572-3764  
7555 TRANMERE DRIVE, MISSISSAUGA ONTARIO L5S 1L4 • TEL.: (905) 670-5888 • FAX: (905) 670-5782  
[www.beacon-morris.com](http://www.beacon-morris.com)



# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon-Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question on the warranty, we can answer it at this point.
- We will enter your order and issue you a R.G.A. (Return Goods Authorization), if applicable, with instructions on how and where to send the defective parts.
- Your invoice will indicate “no charge” pending the return of the applicable defective parts. The invoice may list the R.G.A number and state: “a R.G.A. has been issued. Re invoicing will occur if no receipt in 30 days.” However, some parts are to be field scrapped, which the invoice will state accordingly. If parts are received by us within the 30 days, and confirmed as “defective in-warranty”, the transaction will be closed.

If we do not receive the parts within 30 days or our inspection reveals a non-warranty condition, then a subsequent invoice will be generated indicating the appropriate cost and we will no longer accept returns on that R.G.A.

In order to insure the orderly processing of your warranty claim it is **MANDATORY** that certain paper work accompany any and all goods returned to Beacon Morris. It is also mandatory that goods be sent to the proper location.

In order to assure proper handling of these goods we insist that under all circumstances we must formally authorize the return of material to our various facilities. Any material returned without authorization will not be accepted.

In order to insure that your properly authorized returns are accepted at our plant, we ask that you clearly mark any and all shipping papers with an R.G.A. number; we will not accept shipments that do not clearly show R.G.A. number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid. Collect Shipments  
will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY REPLACEMENT  
PARTS NOT LISTED IN THIS PUBLICATION. LIMITED AVAILABILITY ON  
CERTAIN OBSOLETE EQUIPMENT.

TEL. 413-564-5423 FAX# 413-572-3764

**CONVERSION KITS “BRU/BTU/BST” SERIES UNITS  
WITH DIRECT SPARK IGNITION SYSTEMS  
(For Units Manufactured January 1, 2006 and After)**

**CONVERTING FROM NAT. GAS TO LP GAS**

**CONVERTING FROM LP GAS TO NAT. GAS**

MODEL NO.	CONVERSION KIT NO.	MODEL NO.	CONVERSION KIT NO.
BRU/BTU/BST-30/75	261R08263†	BRU/BTU/BST-30/75	261R06957
BRU/BTU-90	261R08264†	BRU/BTU-90	261R06961
BTU-100/400	261R06951	BTU-100/400	261R06952

†Universal Kit - converts both hot surface and direct spark ignition systems.  
Refer to Installation Manual for high altitude conversions (above 2,000 feet).

**CONVERSION KITS “BRU/BTU/BST” SERIES UNITS  
WITH HOT SURFACE IGNITION CONTROLS  
(For Units Manufactured Prior to January 1, 2006)**

**CONVERTING FROM NAT. GAS TO LP GAS**

**CONVERTING FROM LP GAS TO NAT. GAS**

MODEL NO.	CONVERSION KIT NO.	MODEL NO.	CONVERSION KIT NO.
BRU/BTU/BST-30/75	261R08263†	BRU/BTU/BST-30/75	261R04866
BRU/BTU-90	261R08264†	BRU/BTU-90	261R05412
BTU-100/400	261R04867	BTU-100/400	261R04868
BTU-350/400*	261R04869	BTU-175/300**	261R04952

\*For units manufactured prior to June 13, 2001, equipped with White Rodgers gas valve.

\*\*For units manufactured prior to June 13, 2001, equipped with 1/2" inlet and 3/4" outlet Honeywell smart valve.

†Universal Kit - converts both hot surface and direct spark ignition systems.  
Refer to Installation Manual for high altitude conversions (above 2,000 feet).

**UNIT SIZE 90 ONLY (“BRU” & “BTU”) - FAN MOTOR/FAN GUARD/FAN**

Unit Size	Fan Motor		Fan Guard		Fan (Propeller)
	Standard (ODP)	Optional (TE)	Standard	OSHA	
<i>For Units Manufactured Prior to November, 2006</i>					
90	J31R04091**	J31R01872**	253R01873-001**	J32R04840**‡	NLA - see below *
90 Only*	Fan Kits with ODP Motor		253R08358-001†	253R08358-002†‡	New Fan Kits***
	Fan Kits with TE Motor		253R08358-003†	253R08358-004†‡	
<i>For Units Manufactured After November, 2006</i>					
90	J31R04092	J31R01694	J32R08278	253R08290‡	J34R06999-102

\* Fan (propeller) replacements on units manufactured prior to November 2006 require a new Fan Kit.

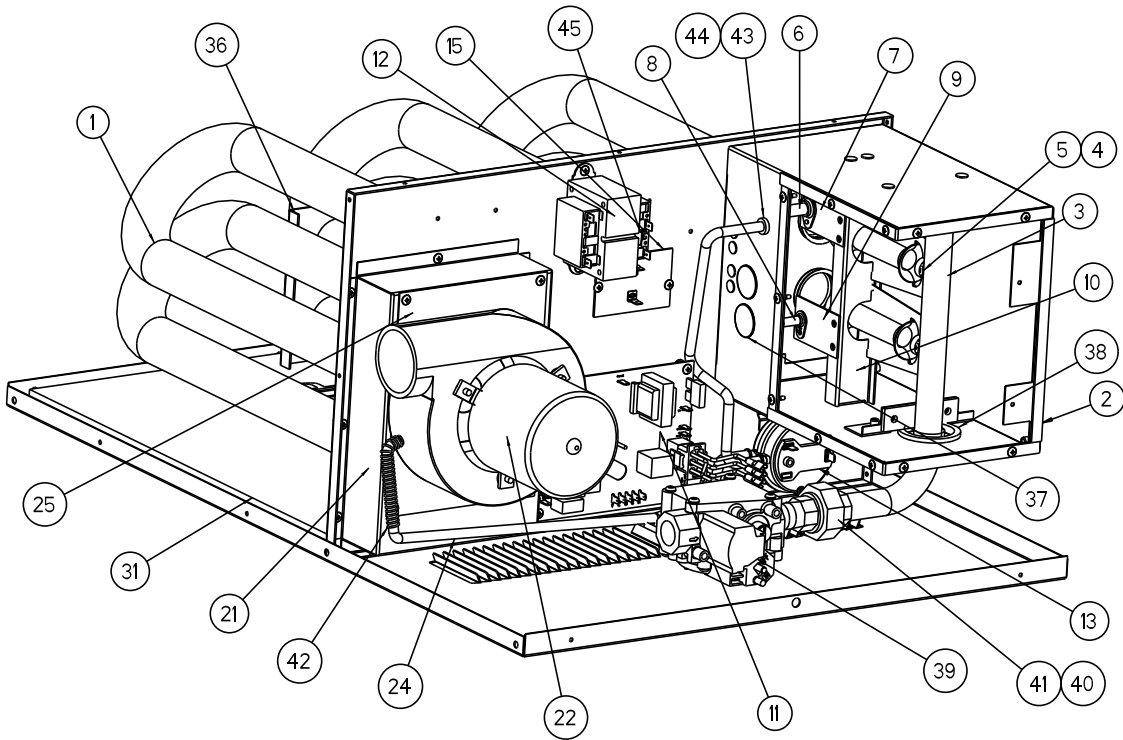
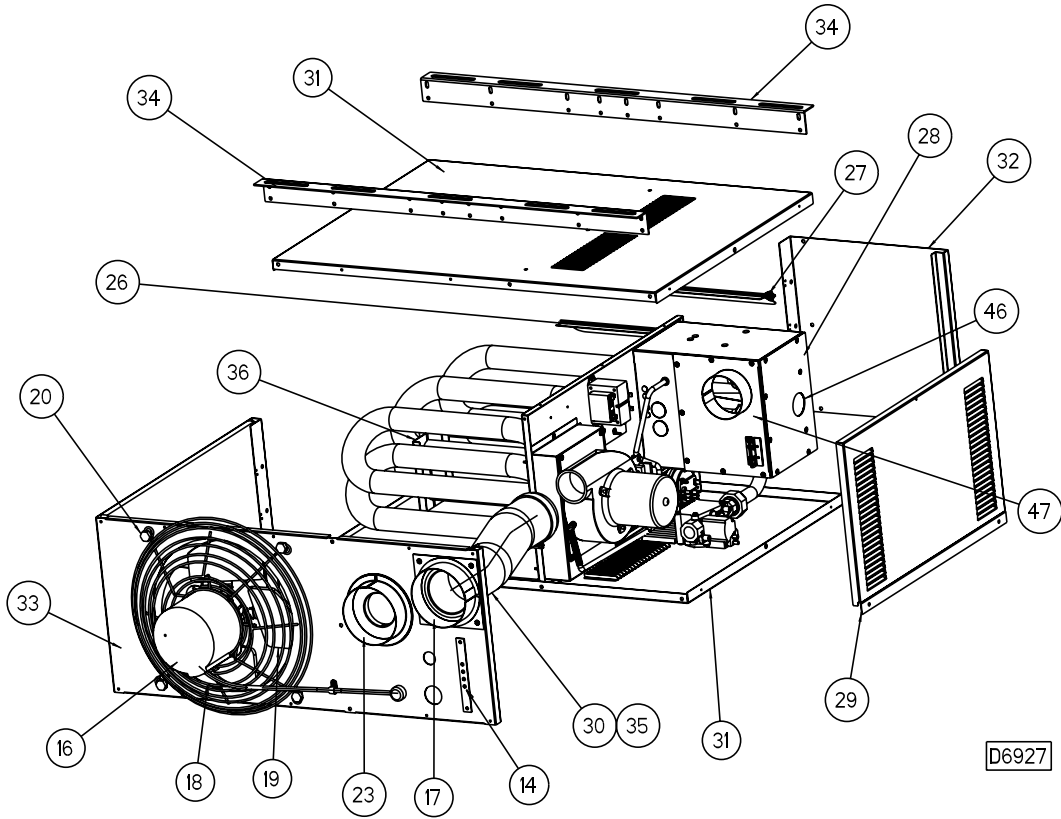
\*\* If fan is also to be replaced, use new fan kit for complete replacement.

\*\*\* New Fan Kit contains: larger motor with 1/2" diameter shaft, fan and guard. FLA will increase to 6.7 amp.

† New kits required to replace old 3/8" bore fan blade with new 1/2" bore fan blade, motor and guard.

‡ OSHA guard required on all BRU models; optional on BTU models.

# MODEL "BST" 30-75 MBH "SEPARATED COMBUSTION" REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION



# MODEL "BST" 30-75 MBH "SEPARATED COMBUSTION" REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION

ITEM NO.	"BST" MODEL SIZE (MBH)		30	45	60	75
	ITEM DESCRIPTION		PART NO.			
	NO. OF TUBES, BURNERS ORIFICES REQ'D PER MODEL		2	3	4	5
1	VESTIBULE PANEL/TUBE ASS'Y (HEAT EXCHANGER)		507R06685-001	507R06686-001	507R06687-001	507R06688-001
2	BURNER BOX SUB-ASS'Y		502R06419		502R06420	
3	MANIFOLD		J37R04684-030	J37R04684-045	J37R04684-060	J37R04684-075
4	INSHOT BURNER		J37R04693			
5	STANDARD ORIFICE	NATURAL GAS (#49)	J36R04694-001			
		PROPANE (LP) GAS (#57)	512R08532-002			
6	SPARK IGNITOR*		J38R06891-001			
7	SPARK IGNITOR BRACKET*		252R06949			
8	FLAME SENSOR*		J38R06890-001			
9	FLAME SENSOR BRACKET*		252R06950			
10	BURNER BRACKET		252R06532	252R06533	252R06534	252R06535
11	CONTROL BOARD*		J28R06881			
12	TRANSFORMER, 50 VA, 115/24V		J14R03245-012			
13	AIR PRESSURE SWITCH – STD ALT (0-4,999 FT)		J11R06778-002			
13	AIR PRESSURE SWITCH – HIGH ALT (5,000 FT+)		J11R06778-002			
14	TERMINAL BLOCK PLATE		J09R04609			
15	HIGH LIMIT SWITCH W/ MOUNTING PLATE		J11R04768			
16	FAN MOTOR (ODP)		J31R04766		J31R04091	
17	INLET AIR COLLAR ASS'Y		257R06621			
18	OSHA FAN GUARD (SIZES 60 & UP, INCL. A MOTOR MTG. PLATE)		J32R04884		J32R04840	
19	STANDARD FAN		J34R06999-001	J34R06999-002	J34R06999-101	
20	FAN / GUARD / MOTOR MOUNT HARDWARE KIT		261R04963-001		261R04963-002	
21	**FLUE COLLECTOR		507R04696-030	507R04697-045	507R04698-060	507R04699-075
22	POWER VENTER (DRAFTER) ASS'Y		J35R04700			
23	FLUE COLLAR ASS'Y		507R04725			
24	VINYL TUBING (PRESSURE SWITCH)		507R04964-001			
25	POWER VENTER MOUNTING PLATE		507R04876			
26	LOUVER (QTY. REQ'D PER MODEL)		257R04587-011 (3)		257R04587-011 (5)	
27	LOUVER SPRINGS (QTY. REQ'D PER MODEL)		J26R01960 (3)		J26R01960 (5)	
28	BURNER BOX FRONT PANEL		251R06609		251R06610	
29	SERVICE PANEL		251R04718		251R04719	
30	HOSE CLAMP (2 PER UNIT)		J40R01745-014			
31	TOP / BOTTOM PANEL W / INSULATION		251R04702			
32	FRONT JACKET PANEL		251R04713		251R04714	
33	REAR / SIDE JACKET PANEL		251R06629		251R06630	
34	HANGER (FRONT AND REAR)		252R04730			
35	INLET AIR HOSE		H07R06627			
36	TUBE SUPPORT BRACKET KIT		261R06577-030	261R06577-045	261R06577-060	261R06577-075
37	METAL HOLE PLUG		J07R06593			
38	LARGE GROMMET		J07R02872-001			
39	DIRECT SPARK GAS VALVE, SINGLE STAGE*	NATURAL GAS	J28R06892-001			
		PROPANE (LP) GAS	J28R06892-002			
40	PIPE UNION		J40R00605-003			
41	PIPE NIPPLE		J40R00601-001			
42	SPRING		J26R06480			
43	PRESSURE TAP FITTING		J40R02876-001			
44	PRESSURE TAP FITTING NUT		J23R01130-017			
45	GREEN GROUND SCREW		J21R01287			
46	BURNER BOX VIEW PORT PANEL		251R06614		251R06615	
47	BURNER BOX INLET AIR PANEL (INCLUDES WIRE SEAL BRACKETS)		251R06616		251R06617	
N/S	IGNITION CABLE – 36 INCHES LONG*		J28R06971-002			
N/S	MOLEX CONNECTOR ASSEMBLY*		J09R06887			
N/S	MANIFOLD MOUNTING ANGLE (2 PER UNIT)		252R06423			
N/S	FLAME SENSOR WIRE – 21 INCHES LONG*		260R08248-001			

**Notes:**

\* See page 13 for units manufactured prior to 1/1/06.

\*\* When replacing a flue collector, make sure that the flue collector box is sealed completely to the vestibule panel using RTV Sealant.

N/S - Part not shown or numbered.

# MODELS "BTU" & "BRU" 30-90 MBH "LOW PROFILE" REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION

Figure 1

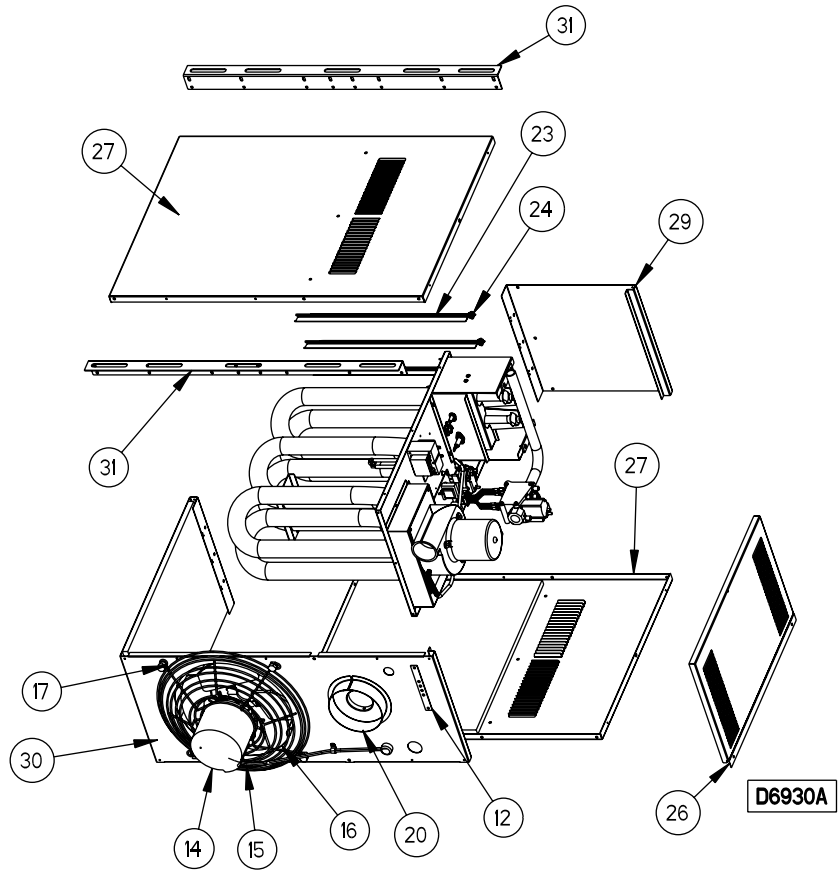
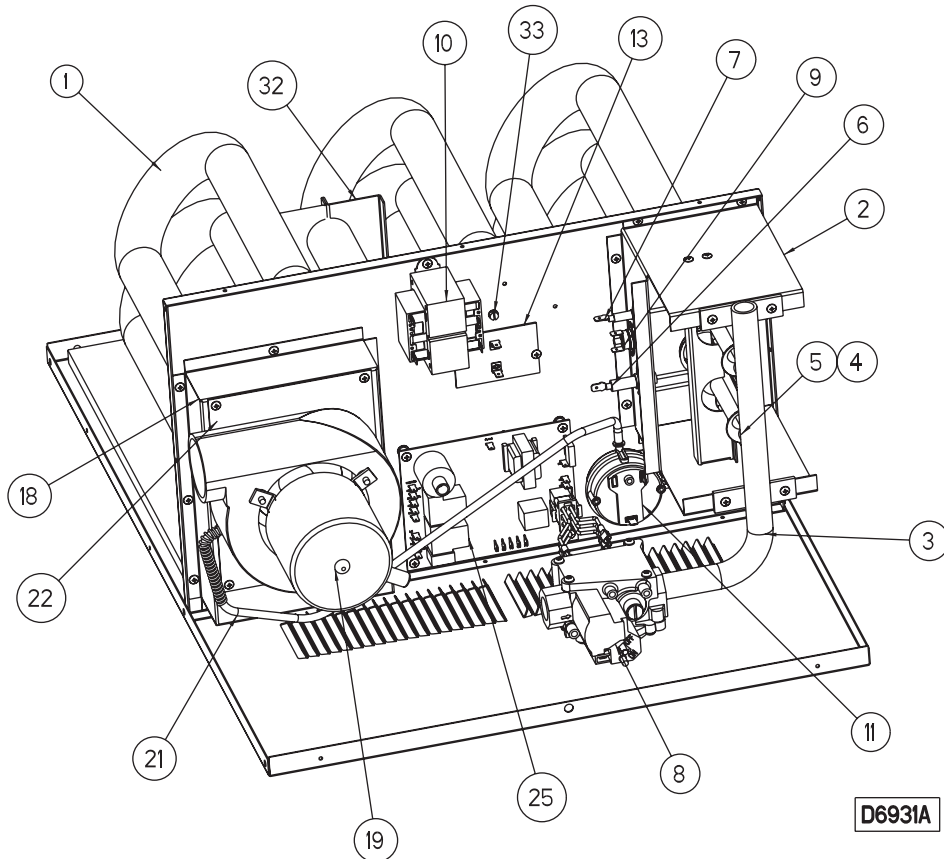


Figure 2



# MODELS “BTU/BRU” 30-90 MBH “LOW PROFILE” REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION

ITEM NO.	“BTU”/“BRU” MODEL SIZE (MBH)		30	45	60	75	90
	ITEM DESCRIPTION		PART NO.				
	NO. OF TUBES, BURNERS ORIFICES REQ'D PER MODEL		2	3	4	5	
1	VESTIBULE PANEL/TUBE ASS'Y (HEAT EXCHANGER)		507R04672	507R04673	507R04674	507R04675	
2	MANIFOLD BRACKET SUB-ASS'Y		261R04961-030	261R04961-045	261R04961-060	261R04961-075	
3	MANIFOLD		J37R04684-030	J37R04684-045	J37R04684-060	J37R04684-075	
4	INSHOT BURNER		J37R04693				
5	STANDARD ORIFICE	NATURAL GAS (DRILL SIZE)	J36R04694-001 (#49)				J36R04694-006 (#47)
		PROPANE (LP) GAS (DRILL SIZE)	512R08532-002 (#57)				512R08532-003 (#1.20 MM)
6	SPARK IGNITOR*		J38R06891-002				
7	FLAME SENSOR*		J38R06890-002				
8	DIRECT SPARK GAS VALVE, SINGLE STAGE*	NATURAL GAS	J28R06892-001				
		PROPANE (LP) GAS	J28R06892-002				
9	MANUAL ROLLOUT SAFETY SWITCH [RF UNIT TYPE ONLY]		J11R04849				
10	TRANSFORMER, 50 VA, 115/24		J14R03245-012				
11	AIR PRESSURE SWITCH – STD ALT (0-4,999 FT)		J11R06779-001				J11R06779-002
11	AIR PRESSURE SWITCH – HIGH ALT (5,000 FT+)		J11R06780-001				J11R06780-002
12	TERMINAL BLOCK PLATE		J09R04609				
13	HIGH LIMIT SWITCH W/ MOUNTING PLATE		J11R04768				
14	FAN MOTOR (ODP)		J31R04766	J31R04091		See Page 3	
15	STANDARD FAN GUARD [TF MODELS]		J32R04723	253R01873-001		See Page 3	
15	OSHA FAN GUARD***		J32R04884	J32R04840		See Page 3	
16	STANDARD FAN		J34R06999-001	J34R06999-002	J34R06999-101		See Page 3
17	FAN/GUARD/MOTOR MOUNT HARDWARE KIT		261R04963-001		261R04963-002		
18	**FLUE COLLECTOR		507R04696-030	507R04697-045	507R04698-060	507R04699-075	507R04942-090
19	POWER VENTER (DRAFTER) ASS'Y		J35R04700				J35R04581
20	FLUE COLLAR ASSEMBLY		507R04725				507R04946
21	VINYL TUBING (PRESSURE SWITCH)		261R04964-001				
21	SPRING (FOR VINYL TUBING)		J26R06480				
22	POWER VENTER MOUNTING PLATE		507R04876				N/A
23	LOUVER [QTY. REQ'D PER MODEL]		257R04587-011 [3]		257R04587-011 [5]		
24	LOUVER SPRING [QTY. REQ'D PER MODEL]		J26R01960 [3]		J26R01960 [5]		
25	CONTROL BOARD*		J28R06881				
26	SERVICE PANEL		251R04718		251R04719		
27	TOP/BOTTOM PANEL W/ INSULATION		251R04702				
29	FRONT JACKET		251R04713		251R04714		
30	REAR/SIDE JACKET PANEL		251R06467		251R06468-001		251R06468-002
31	HANGER (FRONT AND REAR)		252R04730				
32	TUBE SUPPORT BRACKET KIT		261R06577-030	261R06577-045	261R06577-060	261R06577-075	
33	GREEN GROUND SCREW		J21R01287				
N/S	IGNITION CABLE – 14 INCHES LONG*		J28R06971-001				
N/S	MOLEX CONNECTOR ASSEMBLY*		J11R06887-001				
N/S	BURNER BRACKET		252R04689	252R04690	252R04691	252R04692	
N/S	FLAME SENSOR WIRE – 21 INCHES LONG*		260R08248-001				

**Notes:**

\* See page 13 for units manufactured prior to 1/1/06.

\*\* When replacing a flue collector, make sure that the flue collector box is sealed completely to the vestibule panel using RTV Sealant.

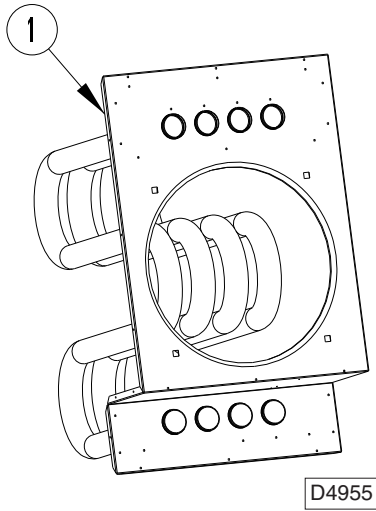
\*\*\* All OSHA guards sizes 60 & up, include a motor mtg. plate. Required on BRU models; optional on BTU models.

N/S - Part not shown or numbered.

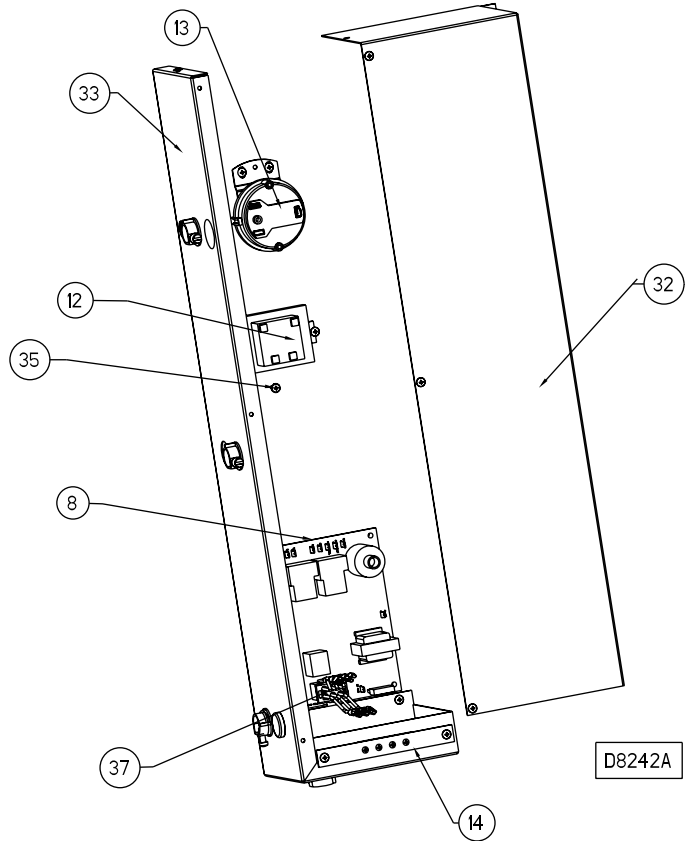


# MODEL "BTU" 100-400 MBH REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION

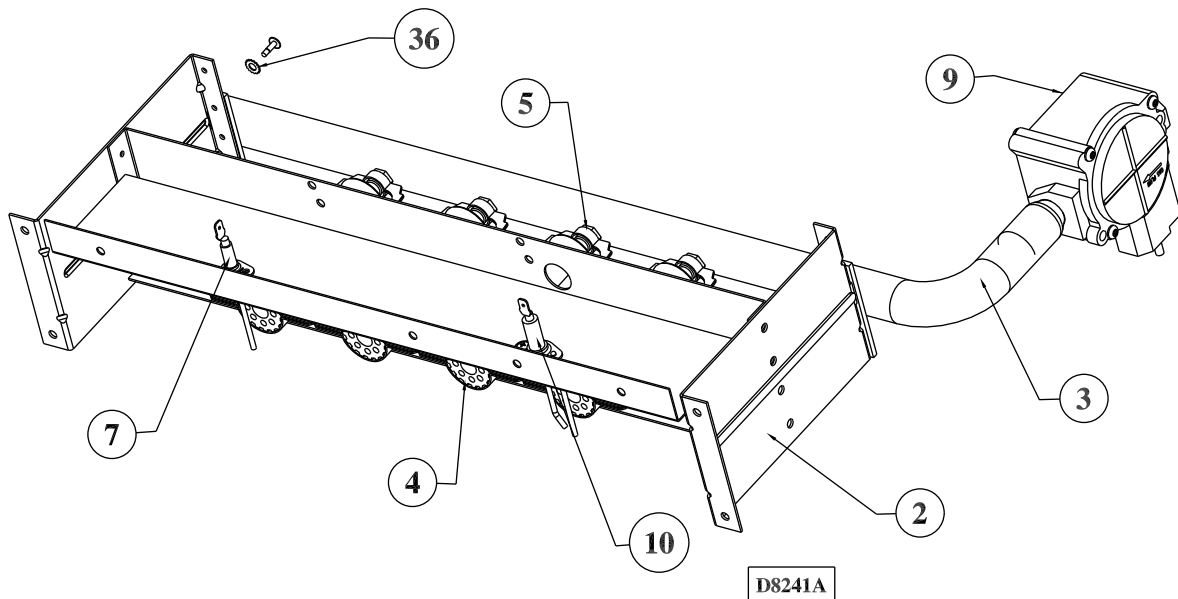
**Figure 6**  
**Vestibule Panel/Tube Assembly**  
**(Heat Exchanger)**



**Figure 7**  
**Electrical Control Panel**



**Figure 8**  
**Manifold Burner Assembly**



# MODEL "BTU" 100-400 MBH REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION AND STANDARD OPEN DRIP-PROOF MOTORS†

ITEM NO.	"BTU" MODEL SIZE (MBH)		100	125
			PART NO.	
	ITEM DESCRIPTION		4	5
	NO. OF TUBES, TURBULATORS, BURNERS, ORIFICES REQ'D PER MODEL		4	5
1	VESTIBULE PANEL/TUBE ASS'Y (HEAT EXCHANGER)	ALUMINUM	507R04567-004	507R04568-004
		409 STAINLESS STEEL	507R04567-104	507R04568-104
2	MANIFOLD BRACKET SUB-ASS'Y		261R04965-004	
3	MANIFOLD		J37R04277	J37R04278
4	INSHOT BURNER		J37R03935	J37R03935
5	STANDARD ORIFICE	NATURAL GAS, (#42)	J36R04694-028	
		PROPANE (LP) GAS, (#53)	512R08532-013	
7	FLAME SENSOR*		J38R06890-003	
8	CONTROL BOARD*		J28R06881	
9	DIRECT SPARK GAS VALVE, SINGLE STAGE*	NATURAL GAS	J28R06892-001	
		PROPANE (LP) GAS	J28R06892-002	
	DIRECT SPARK GAS VALVE, TWO STAGE*	NATURAL GAS	J28R06894-001	
		PROPANE (LP) GAS	J28R06894-002	
10	SPARK IGNITOR*		J38R06891-001	
12	TRANSFORMER, 50 VA, 115/24		J14R03245-012	
13	AIR PRESSURE SWITCH – STD ALT (0-4,999 FT)		J11R06779-001	
13	AIR PRESSURE SWITCH – HIGH ALT (5,000 FT+)		J11R06780-001	
14	TERMINAL BLOCK PLATE		J09R04609	
15	HIGH LIMIT SWITCH [QTY. REQ'D PER MODEL]		J11R00306-002 [1]	
16	HIGH LIMIT BRACKET [QTY. REQ'D PER MODEL]		252R04469 [1]	
17	FAN MOTOR (ODP) [QTY. REQ'D PER MODEL]		J31R04092 [1]	J31R04093-002 [1]
18	STANDARD FAN GUARD [QTY. REQ'D PER MODEL]		253R01873-001 [1]	
	OSHA FAN GUARD [QTY. REQ'D PER MODEL] OSHA GUARD SIZES 60 & UP, INCL. A MOTOR MTG. PLATE		J32R04840 [1]	
19‡	STANDARD FAN BLADE [QTY. REQ'D PER MODEL] - FOR UNITS MFD. <b>PRIOR</b> TO 4/30/07		J34R06999-104 [1]	253R08414-001 [1]†
19	STANDARD FAN BLADE [QTY. REQ'D PER MODEL] - FOR UNITS MFD. <b>AFTER</b> 4/30/07		J34R06999-104 [1]	
20	FAN/GUARD/MOTOR MOUNT HARDWARE KIT [QTY. REQ'D PER MODEL]		261R04963-002 [1]	
21	**FLUE COLLECTOR		507R03918-004	507R03918-005
22	***POWER VENTER (DRAFTER) ASS'Y		J35R04700	
23	FLUE COLLAR ASSEMBLY		257R05062	
24	VINYL TUBING (PRESSURE SWITCH)		261R04964-002	
25	TURBULATOR		501R03893	
26	LOUVER [8 REQ'D PER MODEL]		257R04587-008	
27	LOUVER SPRING [8 REQ'D PER MODEL]		J26R01960	
28	RIGHT SIDE JACKET PANEL W/ INSULATION		261R04966	
29	LEFT SIDE JACKET PANEL W/ INSULATION		261R04967	
30	TOP JACKET PANEL W/ INSULATION		261R04968-004	
31	BOTTOM JACKET PANEL W/ INSULATION		261R04969-004	
32	ELECTRICAL CONTROL BOX COVER		257R03888	
33	ELECTRICAL CONTROL BOX BASE (WRAPPER)		257R03889	
34	PEEP HOLE BURNER COVER ASSEMBLY		261R05411-004	
35	GREEN GROUND SCREW		J21R01287	
36	WASHER (4 PER UNIT)		J24R00326-005	
37	MOLEX CONNECTOR ASSEMBLY*		J09R06887	
N/S	IGNITION CABLE – 36 INCHES LONG*		J28R06971-002	

**Notes:**

\* See page 13 for units manufactured prior to 1/1/06.

\*\* When replacing a flue collector, make sure that the flue collector box is sealed completely to the vestibule panel using RTV Sealant.

\*\*\* Unit sizes 100, 125, 150 require power vent mounting plate 507R04876.

† For fan blade replacements on units with optional Totally Enclosed (TE) motors, see page 12.

‡ Standard fan blade part numbers beginning with "253" are "kits" and include a standard ODP fan motor and fan blade supplied in (2) boxes.

N/S - Part not shown.

# MODEL "BTU" 100-400 MBH REPLACEMENT PARTS FOR UNITS WITH DIRECT SPARK IGNITION AND STANDARD OPEN DRIP-PROOF MOTORS†

150	175	200	250	300	350	400	ITEM NO.
PART NO.							
6	7	8	10	12	14	16	
507R04569-004	507R04570-004	507R04571-004	507R04572-004	507R04573-004	507R04574-004	507R04575-004	1
507R04569-104	507R04570-104	507R04571-104	507R04572-104	507R04573-104	507R04574-104	507R04575-104	
261R04965-004	261R04965-007			261R04965-012			2
J37R04278	J37R04279	J37R04279	J37R04280	J37R04281	J37R04282	J37R04283	3
J37R03935	J37R03935	J37R03935	J37R03935	J37R03935	J37R03935	J37R03935	4
J36R04694-028							5
512R08532-013							
J38R06890-003							7
J28R06881							8
J28R06892-001			J28R06893-001				9
J28R06892-002			J28R06893-002				
J28R06894-001			J28R06895-001				
J28R06894-002			J28R06895-002				
J38R06891-001							10
J14R03245-012							12
J11R06779-001	J11R06779-002			J11R06779-001			13
J11R06780-001	J11R06780-002			J11R06780-001			13
J09R04609							14
J11R00306-002 [1]				J11R00306-002 [2]			15
252R04469 [1]				252R04469 [2]			16
J31R04093-002 [1]	J31R04094-002 [1]			J31R04093-002 [2]	J31R04094-002 [2]		17
253R01873-001 [1]	253R01874-001 [1]			253R01873-001 [2]	253R01874-001 [2]		18
J32R04840 [1]	J32R04843 [1]			J32R04840 [2]	J32R04843 [2]		
253R08414-001 [1]†	J34R06999-105 [1]	J34R06999-112 [1]		253R08414-001 [2]†	J34R06999-105 [2]	J34R06999-112 [2]	19†
J34R06999-104 [1]	J34R06999-105 [1]	J34R06999-112 [1]		J34R06999-104 [2]	J34R06999-105 [2]	J34R06999-112 [2]	19
261R04963-002 [1]				261R04963-002 [2]			20
507R03918-006	507R03920-007	507R03920-008	507R03920-010	507R03922-012	507R03922-014	507R03922-016	21
J35R04700	J35R04581			507R04595			22
257R05062	507R04532			507R04600			23
261R04964-002	261R04964-003			261R04964-004			24
501R03893							25
257R04587-008	257R04587-009			257R04587-010			26
J26R01960							27
261R04966							28
261R04967							29
261R04968-004	261R04968-007			261R04968-012			30
261R04969-004	261R04969-007			261R04969-012			31
257R03888							32
257R03889							33
261R05411-004	261R05411-007			261R05411-012			34
J21R01287							35
J24R00326-005							36
J09R06887							37
J28R06971-002			J28R06971-002				N/S

# MODEL "BTU/BRU" REPLACEMENT PARTS

<b>"BTU"/"BRU" FIELD INSTALLED OPTIONS AND THERMOSTATS</b>	
<b>DESCRIPTION</b>	<b>PART NO.</b>
PRESSURE REGULATOR (125 PSI TO 7") NATURAL GAS	J28R05121
T87K 1-STAGE MERCURY-FREE THERMOSTAT (INCLUDES SUBBASE)	J13R08300
T834N 1-STAGE W/FAN SWITCH (STERLING LOGO) MERCURY-FREE THERMOSTAT	ASRG3
TH5220D 2-STAGE MERCURY-FREE THERMOSTAT (INCLUDES SUBBASE)	J13R08301
T6169C 1-STAGE LINE VOLTAGE (115V) THERMOSTAT W/SUBBASE	J13R03362
T822D 1-STAGE THERMOSTAT	J13R00811
TG511A UNIVERSAL THERMOSTAT GUARD	J13R00954
24V SPST RELAY	J10R00818-003
VENT CAP 4"	J37R02222-001
VENT CAP 5"	J37R02222-002
VENT CAP 6"	J37R02222-003
30 DEGREE NOZZLE KIT (100-150)	ASRX2-001
30 DEGREE NOZZLE KIT (175-250)	ASRX2-002
30 DEGREE NOZZLE KIT (300-400)	ASRX2-003
60 DEGREE NOZZLE KIT (100-150)	ASRX3-001
60 DEGREE NOZZLE KIT (175-250)	ASRX3-002
60 DEGREE NOZZLE KIT (300-400)	ASRX3-003
90 DEGREE NOZZLE KIT (100-150)	ASRX4-001
90 DEGREE NOZZLE KIT (175-250)	ASRX4-002
90 DEGREE NOZZLE KIT (300-400)	ASRX4-003
VERTICAL LOUVER KIT (BTU100-150)	ASRX5-004
VERTICAL LOUVER KIT (BTU175-250)	ASRX5-007
VERTICAL LOUVER KIT (BTU300-400)	ASRX5-012
HIGH ALTITUDE* PRESSURE SWITCH (30, 45, 60, 75, 100, 125, 150, 300, 350, 400)	J11R06780-001
HIGH ALTITUDE* PRESSURE SWITCH (90, 175, 200, 250)	J11R06780-002
CONCENTRIC VENT KIT (BST UNITS ONLY)	ASRX6
TOTALLY ENCLOSED MOTOR (UNIT SIZES 60, 75 AND ON SIZE 90 UNITS MFD. <b>PRIOR</b> TO 11/06)	J31R01872
TOTALLY ENCLOSED MOTOR (UNIT SIZE 100)	J31R03086
TOTALLY ENCLOSED MOTOR (UNIT SIZES 125-400 AND ON UNIT SIZE 90 MFD. <b>AFTER</b> 11/06)	J31R01694
**TOTALLY ENCLOSED MOTOR/FAN KIT - BTU125, 150, 300 [2] - FOR UNITS MFD. <b>PRIOR</b> TO 3/2/07	253R08414-002
**TOTALLY ENCLOSED MOTOR/FAN KIT - BTU175, 350 [2] - FOR UNITS MFD. <b>PRIOR</b> TO 3/2/07	253R08415-002
**TOTALLY ENCLOSED MOTOR/FAN KIT - BTU200, 250, 400 [2] - FOR UNITS MFD. <b>PRIOR</b> TO 3/2/07	253R08416-002

\* For units operating at elevations of 5,000-11,999 ft.

\*\* Fan blade replacement kit and includes a (TE) motor, supplied in (2) boxes.

For units manufactured **AFTER** 3/2/07, use fan blade part numbers from pages 10 and 11 (Item No "19").

# MODELS WITH HOT SURFACE IGNITION

For Units Manufactured Prior to January 1, 2006

## MODEL "BST" 30-75 MBH – SEPARATED COMBUSTION

ITEM DESCRIPTION		SIZE/RANGE	PART NO.
PILOT BURNER ASSEMBLY	NATURAL GAS	30-75	J38R03421-001
	PROPANE (LP) GAS	30-75	J38R03421-002
PILOT MOUNTING BRACKET		30-75	252R06603
PILOT TUBING		30 & 60	257R06605
		45 & 75	257R06604
HONEYWELL SV9540 GAS VALVE, SINGLE STAGE	NATURAL GAS	30-75	J28R04979-001
	PROPANE (LP) GAS	30-75	J28R04979-002
FAN TIME DELAY SWITCH		30-75	J11R00366
DRAFTOR RELAY*		30-75	J10R03410
SMALL GROMMET		30-75	J07R02872-004
WIRE HARNESS FOR SV9540 VALVE		30-75	260R05001

\*A draftor relay is not required when unit is equipped with a Honeywell SV9540 Gas Valve (the relay function is built into the control).

## MODELS "BTU/BRU" 30-90 MBH – LOW PROFILE

ITEM DESCRIPTION		SIZE/RANGE	PART NO.
PILOT BURNER ASSEMBLY	NATURAL GAS	30-90	J38R03421-001
	PROPANE (LP) GAS	30-90	J38R03421-002
PILOT MOUNTING BRACKET		30-90	252R04737
PILOT TUBING		30 & 60	261R04962-001
		45, 75, 90	261R04962-002
HONEYWELL SV9500M† GAS VALVE, SINGLE STAGE	NATURAL GAS	30-90	J28R05042-001
	PROPANE (LP) GAS	30-90	J28R05042-002
HONEYWELL SV9540M GAS VALVE, SINGLE STAGE	NATURAL GAS	30-90	J28R04979-001
	PROPANE (LP) GAS	30-90	J28R04979-002
FAN TIME DELAY SWITCH		30-90	J11R00366
DRAFTOR RELAY*		30-90	J10R03410
WIRE HARNESS FOR SV9540 VALVE (BRU UNITS)		30-90	260R05001
WIRE HARNESS FOR SV9540 VALVE (BTU UNITS)		30-90	260R05052
WIRE HARNESS FOR SV9500 VALVE "CONTROL" (BTU UNITS)		30-90	260R04794-001

\*A draftor relay is not required when unit is equipped with a Honeywell SV9540 or SV9640 Gas Valve (the relay function is built into the control).

†Replacement Valve is a Honeywell SV9501 Series.

## MODEL "BTU" 100-400 MBH

ITEM DESCRIPTION		SIZE/RANGE	PART NO.
PILOT BURNER ASSEMBLY "C2"	NATURAL GAS	100-400	J38R03421-001
	PROPANE (LP) GAS	100-400	J38R03421-002
	NATURAL GAS (WHITE-RODGERS VALVE)*	350, 400	J38R04578-001
PILOT MOUNTING BRACKET		100-400	252R03892
PILOT TUBING	LENGTH = 24"	100-250	261R04962-003
	LENGTH = 28"	300-400	261R04962-004
HONEYWELL SV(9500/9600) GAS VALVE, SINGLE STAGE	NATURAL GAS	100-150	J28R05042-001
		175-300	J28R05043-003**
	PROPANE (LP) GAS	100-150	J28R05042-002***
		175-300	J28R05043-002**
		350, 400	J28R05043-004
HONEYWELL SV(9540/9640) GAS VALVE, SINGLE STAGE	NATURAL GAS	100-150	J28R04979-001
		175-400	J28R04980-003
	PROPANE (LP) GAS	100-150	J28R04979-002
		175-300	J28R04980-002
		175-400	J28R04980-004
WHITE-RODGERS GAS VALVE, SINGLE STAGE*	NATURAL GAS	350, 400	J28R00742
IGNITOR, NATURAL GAS		350, 400	J28R02722
FAN TIME DELAY SWITCH		100-400	J11R00366
DRAFTOR RELAY†		100-400	J10R03410
WIRE HARNESS FOR SV9540 OR SV9640 VALVE "C1"		100-400	260R05002
WIRE HARNESS FOR SV9540 OR SV9640 VALVE "C3"		100-400	260R05361
WIRE HARNESS FOR SV9500 OR SV9600 VALVE "CONTROL"		100-300	260R04629-001

\* For units manufactured prior to June 13, 2001 (sizes 350 and 400 only).

\*\* Replacement Valve is SV9601 Series.

\*\*\* Replacement Valve is SV9501 Series.

† A draftor relay is not required when unit is equipped with a Honeywell SV9540 or SV9640 Gas Valve (the relay function is built into the control).



# TERMS

**ALL SHIPMENTS ARE F.O.B. FARMVILLE, N.C.**  
FREIGHT ROUTING SHALL BE AT THE DISCRETION OF THE SHIPPER

**PRICES:** Published trade prices in effect at time of receipt of order at our office are firm provided the complete order is released for fabrication and shipment within 6 months from date of receipt of written order at the factory. Releases for shipment after 6 months will be billed on the basis of trade prices in effect at time of release.

No obligation is assumed by this Corporation to sell, to anyone holding this book, any of the items listed herein at the prices stated.

**TERMS:** Net 30 Days.

Prepaid freight or cartage charges paid by us and added to invoice are not subject to cash discount.

**TAXES:** The prices listed herein exclude Federal, State, or Municipal Tax applicable to the transaction. Such taxes, where applicable to the transaction should be paid directly to the governing authority by the Purchaser.

**CLAIMS:** As all goods are shipped at buyer's risk they should be examined carefully before signing transportation delivery receipts. If transportation company tenders delivery of goods in bad order, buyer should insist on transportation agent making notation of conditions on delivery receipt and request an inspection within 48 hours, thus enabling buyer to secure prompt payment of transportation claims filed by him for value of damaged material.

The responsibility of this company ceases upon delivery of goods in order to transportation companies. All orders are accepted subject to delays on account of government requirements, strikes, accidents or other causes beyond our control.

**RETURNED GOODS:** Goods must not be returned except by written permission from the factory, and when so returned will be accepted only as stated in the following conditions:

1. Special material is not subject to return.
2. All transportation charges for returned goods must be prepaid by shipper.
3. Standard catalogued products may be returned upon written permission. After inspection at the factory, if they are found to be in good condition they will be accepted for credit, subject to a 25% handling charge.
4. No goods will be accepted for return more than 90 days after shipment.

**CHANGES TO A RELEASED ORDER** – Work commences on release of an order, therefore, an order that is changed will be subject to additional charges for any extra time and material expended.

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon-Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon-Morris' plant.

Beacon-Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon-Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon-Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon-Morris.



260 NORTH ELM ST., WESTFIELD, MA 01085 • TEL: (413) 562-5423 • FAX: (413) 572-3764  
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[www.beacon-morris.com](http://www.beacon-morris.com)





# NOVUM®

## BXH SERIES

### HIGH EFFICIENCY

# GAS-FIRED PROPELLER UNIT HEATER

# REPLACEMENT PARTS CATALOG

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## IMPORTANT

When ordering replacement parts,  
please specify model and serial number.



Beacon Morris

260 North Elm Street, Westfield, MA 01085  
TEL: (413) 562-5423

7555 Tranmere Drive, Mississauga Ontario L5S 1L4 Canada  
TEL: (905) 670-5888  
[www.beacon-morris.com](http://www.beacon-morris.com)



# NOVUM - BXH SERIES

## HIGH EFFICIENCY GAS-FIRED UNIT HEATER

### UNIT NUMBER DESCRIPTION

<b>Digit</b>	<b>D</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>+</b>
<b>Item</b>	<b>Prefix</b>				<b>UT</b>	<b>CA</b>			<b>FT</b>	<b>FM</b>	<b>GT</b>	<b>AL</b>	<b>GC</b>	<b>SV</b>	<b>MT</b>	<b>MS</b>	<b>DL</b>	<b>AS</b>		

(Internal Use Only)

**1,2 - Unit Type [UT]**

**BXH** - High Efficiency Gas-Fired Propeller Unit Heater

**3,4,5 - Capacity [CA]**

- 050 - 50,000 BTU/HR (14.6 kW)
- 100 - 100,000 BTU/HR (29.3 kW)
- 150 - 150,000 BTU/HR (43.9 kW)
- 200 - 200,000 BTU/HR (58.6 kW)
- 250 - 250,000 BTU/HR (73.2 kW)
- 300 - 300,000 BTU/HR (87.9 kW)
- 350 - 350,000 BTU/HR (102.5 kW)
- 400 - 400,000 BTU/HR (117.2 kW)

**6 - Furnace Type [FT]**

**A** - Right Side Access

**7 - Heat Exchanger (Furnace) Material [FM]**

**1** - Stainless Steel Tubes with Aluminum and Brass Fins  
*Note: Stainless Steel Flue Collector is standard.*

**8 - Gas Type [GT]**

**N** - Natural Gas  
**P** - Propane Gas (LP)

**9 - Altitude [AL]**

**S** - 0-4,999 ft.  
**T** - 5,000-11,999 ft.  
*Note: Installations over 2,000 ft. require gas input deration in the field. Refer to unit installation instructions.*

**10 - Direct Spark Gas Control [GC]**

**1** - Single Stage

**11 - Supply Voltage [SV]**

- 1 - 115/1/60      5 - 230/3/60
- 2 - 208/1/60      6 - 460/3/60
- 3 - 230/1/60      7 - 575/3/60
- 4 - 208/3/60      Z - Special

*Note: Supply Voltage [SV] 2-7 include field mounted step down transformer.*

**12 - Motor Type [MT]**

**1** - Open Drip Proof (Standard)

**13 - Blower Motor Sizes [MS]**

**0** - Not applicable

**14 - Design Level [DL]**

**A** - First design level

**15+ - Accessories [AS]**

**†FIELD INSTALLED (AS-\_\_\_\_\_)**

*†All Field Installed Accessories are to be entered as a separate line item using the catalog number which utilizes "11AS" as a prefix. i.e: G3 becomes 11AS-G3*

**A7 - High Pressure Regulator**

- A7-1/2-1** - Regulator for PSI range 0.5-10
- A7-3/8-1** - Regulator for PSI range 10-20
- A7-5/16-1** - Regulator for PSI range 20-35

**E9 - Condensate Neutralizer (Inline)**

**EW** - Condensate Neutralizer (Wall Mounted)

**G1 - 1-Stage Mercury Free Thermostat (Round)**

- G2** - 1-Stage Mercury Free Thermostat w/Guard Kit
- G3** - 1-Stage Mercury Free Thermostat/Fan Switch
- G6** - Locking Thermostat Cover
- G9** - 1-Stage Mercury Free Heating Only Thermostat
- GW** - WiFi Thermostat TH8321WF1001/U

**K8 - Condensate Pump**

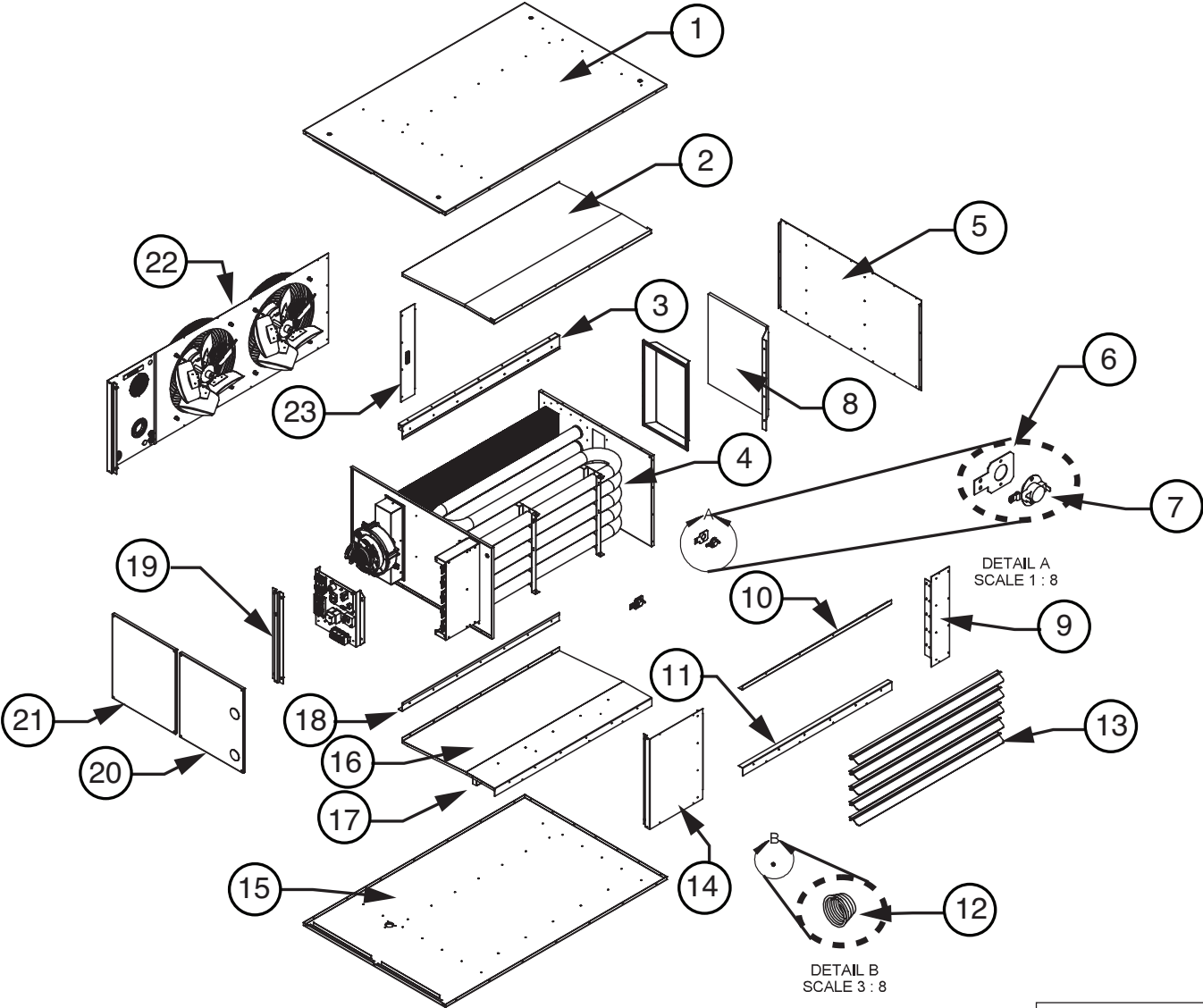
**K9-001** - Condensate Pump Shelf

**Y2 - 2" PVC Concentric Vent Kit**

- Y3** - 3" PVC Concentric Vent Kit
- Y4** - 4" PVC Concentric Vent Kit

# BXH SERIES 050-400 MBH REPLACEMENT PARTS

Figure 1 - Exploded View, Whole Unit



CAT-10754A

# BXH SERIES 050-400 MBH REPLACEMENT PARTS

Figure 2 - Burner Assembly

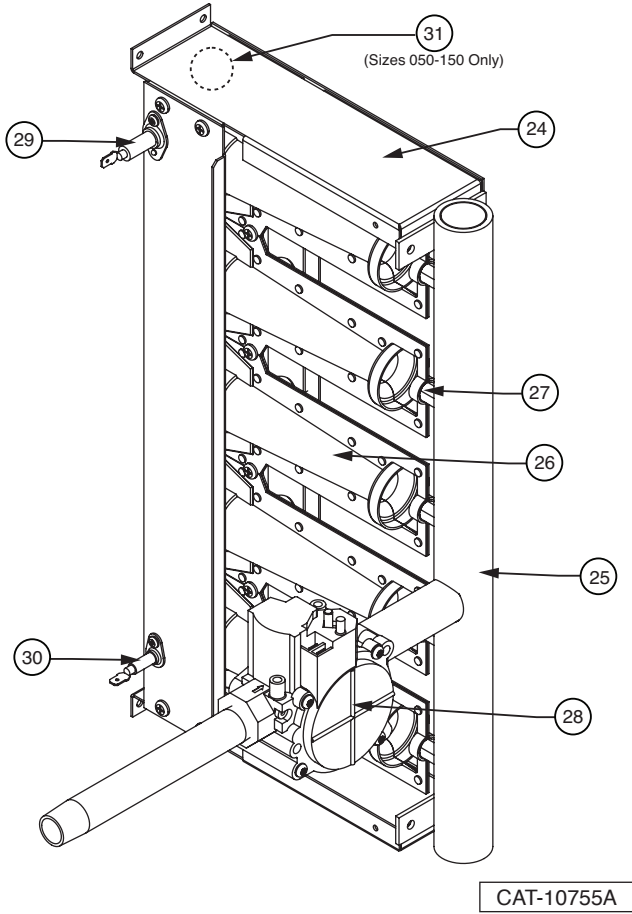


Figure 3 - Exploded View, Power Venter Assembly

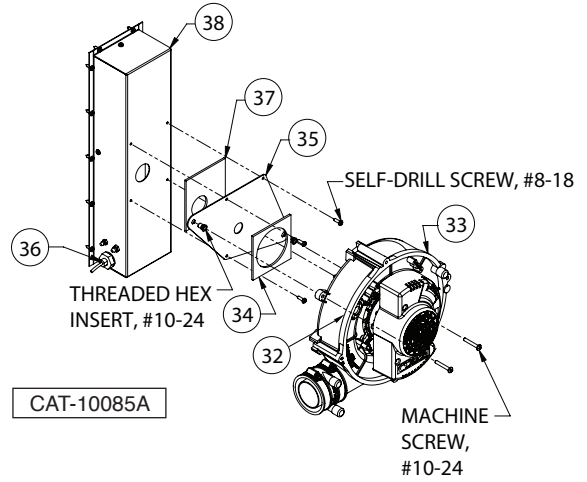


Figure 4 - Electrical Panel Components

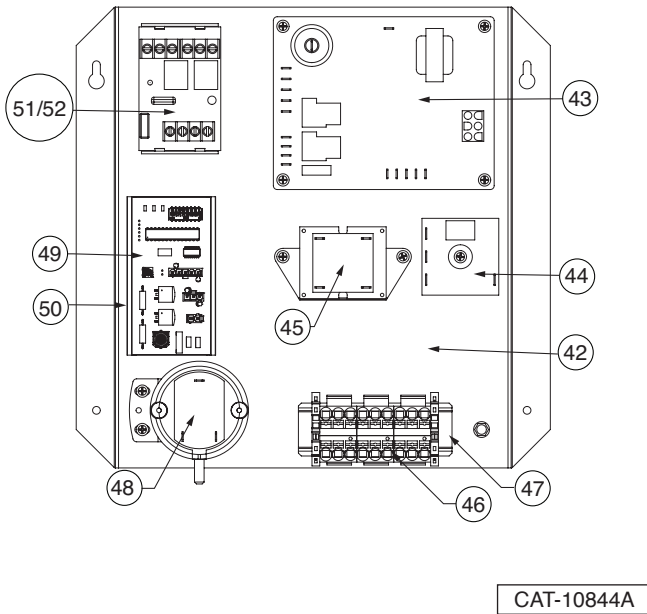
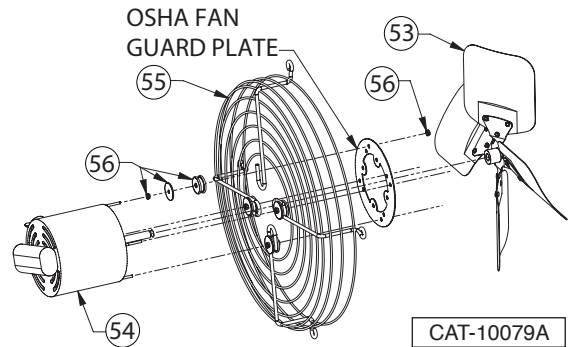


Figure 5 - Propeller Motor/Fan Assembly



# BXH SERIES 050-400 MBH REPLACEMENT PARTS

Figure 6 - Vestibule Panel/Heat Exchanger Assembly

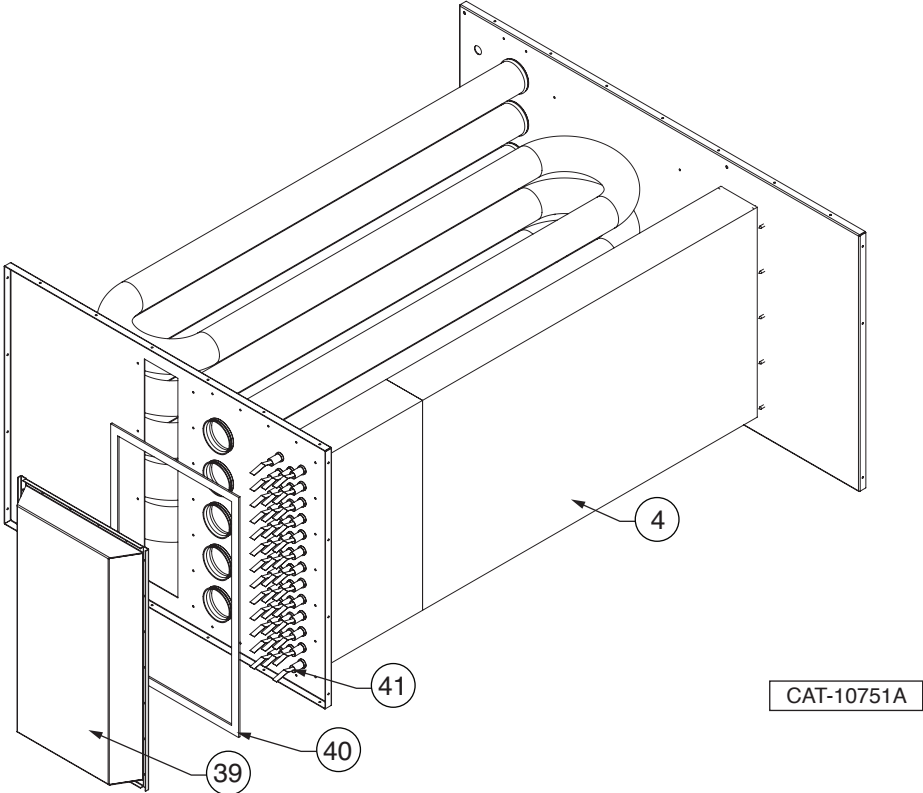
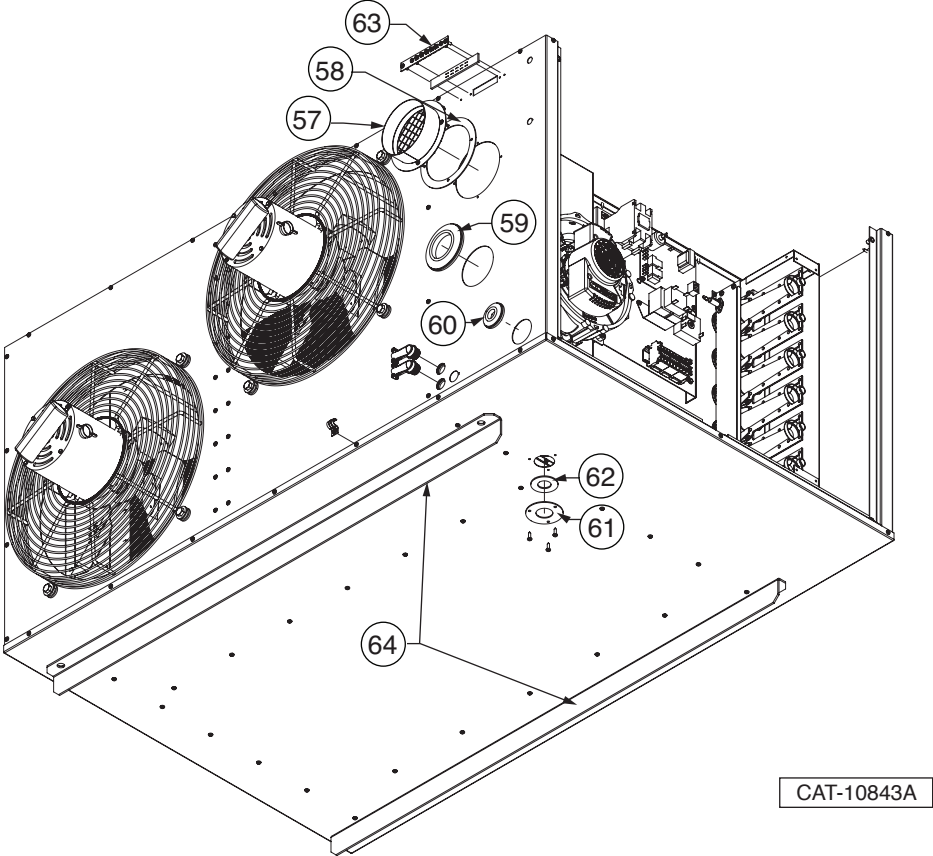


Figure 7 - Unit Connections



# BXH SERIES 050-200 MBH REPLACEMENT PARTS

ITEM NO.	UNIT SIZE					
	50	100	150	200		
	NO. OF BURNERS, ORIFICES REQ'D PER MODEL					
	2	3	4	5		
	ITEM DESCRIPTION					
	PART NO.					
1	Top Jacket Panel					
2	Top Baffle					
3	Top Heat Exchanger Block-Off					
4	Vestibule Panel/Heat Exchanger Assembly <sup>1</sup>					
N/S	Heat Exchanger Screen					
5	Left Side Jacket Panel w/ Insulation					
6	High Limit Switch Bracket [Qty. Req'd per Capacity]					
7	High Limit Switch [Qty. Req'd per Capacity]					
8	Air Diverter					
9	Left Front Jacket Panel					
10	Top Front Façade Panel					
11	Bottom Front Façade Panel					
12	Louver Spring [Qty. Req'd per Capacity]					
13	Louvers [Qty. Req'd per Capacity]					
14	Right Front Jacket Panel					
15	Bottom Jacket Panel					
16	Bottom Baffle Panel w/ Insulation					
17	Bottom Baffle Support					
18	Bottom Panel Block-Off					
19	Partition Divide Strut					
20	Burner Access Panel					
21	Power Venter (Drafter) Access Panel					
22	Rear Jacket Panel					
23	Turn Cover Screen					
24	Manifold Bracket Sub-Assembly <sup>2</sup>					
25	Manifold					
26	Inshot Burner					
27	Standard Orifice [Orifice Size]	Natural Gas	11501R10690-042 [#42]	11501R10690-037 [#37]	11501R10690-032 [#32]	11501R10690-031 [#31]
		Propane (LP) Gas	11501R10690-054 [#54]	11501R10690-052 [#52]	11501R10690-050 [#50]	11501R10690-049 [#49]
28	Direct Spark Gas Valve, Single Stage <sup>3</sup>	Natural Gas	11J28R06892-001		N/A	
		Propane (LP) Gas	11J28R06892-002		N/A	
	Direct Spark Gas Valve, Two Stage <sup>3</sup>	Natural Gas	N/A		11J28R06894-001	
		Propane (LP) Gas	N/A		11J28R06894-002	
N/S	Coupling to Manifold					
N/S	Nipple (between valve and coupling)					
N/S	Gas Inlet Pipe					
29	Flame Sensor [Qty. Req'd per Capacity]					
30	Spark Ignitor [Qty. Req'd per Capacity]					
31	Manual Rollout Safety Switch					
32	Flue Limit Switch					
33	Power Venter (Drafter) Assembly (includes gasket) <sup>4</sup>					
34	Power Venter (Drafter) Gasket					
35	Power Venter (Drafter) Mounting Plate					
36	Float Switch					
37	Flue Collector Gasket					
38	Flue Collector (includes gaskets) <sup>5,6</sup>					
39	Turn Cover					
40	Turn Cover Gasket					
41	Turbulators [Qty. Req'd per Capacity]					

**Notes:**

1. Includes Turn Cover and Turbulators.
2. Does not include Flame Sensor & Ignitor; sold separately.
3. Size 150 - 400 Single Stage Units use a two-stage gas valve.
4. Does not include Flue Limit Switch (installs onto Power Venter); sold separately.
5. When replacing the Flue Collector, make sure the Flue Collector Box is sealed completely with factory supplied gasket.
6. Does not include Float Switch; sold separately.

LEGEND: N/S - Part Not Shown, N/A - Not Applicable

# BXH SERIES 250-400 MBH REPLACEMENT PARTS

ITEM NO.	UNIT SIZE					
	250	300	350	400		
	NO. OF BURNERS, ORIFICES REQ'D PER MODEL					
	6	7	8	9		
	ITEM DESCRIPTION					
	PART NO.					
1	Top Jacket Panel					
	11251R10680-250					
2	Top Baffle					
	11507R10648-250	11507R10648-300	11507R10648-350	11507R10648-400		
3	Top Heat Exchanger Block-Off					
	11507R10669-150					
4	Vestibule Panel/Heat Exchanger Assembly <sup>1</sup>					
	11501R10693-250	11501R10693-300	11501R10693-350	11501R10693-400		
N/S	Heat Exchanger Screen					
	N/A					
5	Left Side Jacket Panel w/ Insulation					
	11251R10664-250		11251R10664-350			
6	High Limit Switch Bracket [Qty. Req'd per Capacity]					
	11252R10703-001 [2]					
7	High Limit Switch [Qty. Req'd per Capacity]					
	11J11R09359 [2]					
8	Air Diverter					
	11507R10677-250		11507R10677-350			
9	Left Front Jacket Panel					
	11251R10682-250	11251R10682-300	11251R10682-350	11251R10682-400		
10	Top Front Façade Panel					
	11251R10683-250	11251R10683-300	11251R10683-350	11251R10683-400		
11	Bottom Front Façade Panel					
	11251R10684-250	11251R10684-300	11251R10684-350	11251R10684-400		
12	Louver Spring [Qty. Req'd per Capacity]					
	11J26R01960 [6]	11J26R01960 [7]	11J26R01960 [8]	11J26R01960 [9]		
13	Louvers [Qty. Req'd per Capacity]					
	11257R10685-002 [6]	11257R10685-002 [7]	11257R10685-002 [8]	11257R10685-002 [9]		
14	Right Front Jacket Panel					
	11251R10786-250	11251R10786-300	11251R10786-350	11251R10786-400		
15	Bottom Jacket Panel					
	11251R10663-250					
16	Bottom Baffle Panel w/ Insulation					
	11507R10649-250	11507R10735-300	11507R10649-350	11507R10649-400		
17	Bottom Baffle Support					
	11507R10722-250	11507R10722-300	11507R10722-350	11507R10722-400		
18	Bottom Panel Block-Off					
	N/A	11507R10668-300	N/A			
19	Partition Divide Strut					
	11251R10785-250		11251R10785-350			
20	Burner Access Panel					
	11258R10695-250		11258R10695-350			
21	Power Venter (Drafter) Access Panel					
	11258R10666-250		11258R10796-350			
22	Rear Jacket Panel					
	11251R10725-250	11251R10725-300	11251R10725-350	11251R10725-400		
23	Turn Cover Screen					
	11501R10679-250					
24	Manifold Bracket Sub-Assembly <sup>2</sup>					
	11503R10686-250	11503R10686-300	11503R10686-350	11503R10686-400		
25	Manifold					
	11503R09190-300	11503R09190-350	11503R09190-400	11503R10671-400		
26	Inshot Burner					
	11J37R08258-001	11J37R08258-001	11J37R08258-001	11J37R08258-001		
27	Standard Orifice [Orifice Size]	Natural Gas	11501R10690-032 [#32]	11501R10690-031 [#31]	11501R10690-031 [#31]	11501R10690-031 [#31]
		Propane (LP) Gas	11501R10690-049 [#49]	11501R10690-049 [#49]	11501R10690-049 [#49]	11501R10690-049 [#49]
28	Direct Spark Gas Valve, Single Stage <sup>3</sup>	Natural Gas	N/A			
		Propane (LP) Gas	N/A			
	Direct Spark Gas Valve, Two Stage <sup>3</sup>	Natural Gas	11J28R06895-001			
		Propane (LP) Gas	11J28R06895-002			
N/S	Coupling to Manifold					
	N/A					
N/S	Nipple (between valve and coupling)					
	N/A					
N/S	Gas Inlet Pipe					
	11505R10971-250	11505R10971-300	11505R10971-350	11505R10971-400		
29	Flame Sensor [Qty. Req'd per Capacity]					
	11J38R06890-003					
30	Spark Ignitor [Qty. Req'd per Capacity]					
	11J38R06891-001					
31	Manual Rollout Safety Switch					
	N/A					
32	Flue Limit Switch					
	11J11R09594-002					
33	Power Venter (Drafter) Assembly (includes gasket) <sup>4</sup>					
	11J35R09586-004					
34	Power Venter (Drafter) Gasket					
	11265R10026-010					
35	Power Venter (Drafter) Mounting Plate					
	11507R09994-300		11507R10537-350	11507R09994-400		
36	Float Switch					
	11J11R09753-001					
37	Flue Collector Gasket					
	11265R10026-023					
38	Flue Collector (includes gaskets) <sup>5,6</sup>					
	11507R09722-300		11507R09722-400			
39	Turn Cover					
	11507R10652-250		11507R10652-350			
40	Turn Cover Gasket					
	11265R10691-250		11265R10691-350			
41	Turbulators [Qty. Req'd per Capacity]					
	11501R10441-001 [56]		11501R10441-001 [77]			

**Notes:**

1. Includes Turn Cover and Turbulators.
2. Does not include Flame Sensor & Ignitor; sold separately.
3. Size 150 - 400 Single Stage Units use a two-stage gas valve.
4. Does not include Flue Limit Switch (installs onto Power Venter); sold separately.
5. When replacing the Flue Collector, make sure the Flue Collector Box is sealed completely with factory supplied gasket.
6. Does not include Float Switch; sold separately.

LEGEND: N/S - Part Not Shown, N/A - Not Applicable

# BXH SERIES 050-200 MBH REPLACEMENT PARTS

ITEM NO.	UNIT SIZE		50	100	150	200
	ITEM DESCRIPTION		PART NO.			
42	Electrical Panel		11257R10702-001			
43	Ignition Control Board		11J28R06881			
44	Time Delay Relay		N/A		11J10R10661-001	
45	Transformer, 50VA 115/24V <sup>1</sup>		11J14R03245-012			
46	Distribution Block		11260R10970-001			
47	Distribution Block Bracket		11509R10767-009			
48	Air Pressure Switch [label color]	Std Alt (0-4,999 ft)	11J11R10706-130 [lt. brn]	11J11R10706-160 [red]	11J11R10706-290 [pnk]	11J11R10706-190 [grn]
		High Alt (5,000 ft+)	11J11R10706-120 [yel]	11J11R10706-150 [orng]	11J11R10706-280 [prpl]	11J11R10706-180 [lt. blu]
49	Inducer Speed Control Board		11J11R10633-001			
50	Inducer Speed Control Board Bracket		11509R10769-010			
51	Fan Relay, 24/115V with Bracket		11J10R03233-003	11J10R03233-001	11J10R03233-003	
52	Contactor, 24/115V		N/A			
53	Fan Blade [Qty. Req'd per Capacity]		11J34R06999-017 [2]	11J34R10162-000 [1]	11J34R10162-002 [2]	11J34R10162-000 [2]
54	Fan Motor, Open Drip Proof [Qty. Req'd per Capacity]		11J31R10194-001 [2]	11J31R09585-001 [1]	11J31R09585-001 [2]	
55	OSHA Fan Guard (includes OSHA Guard Plate) [Qty. Req'd per Capacity] <sup>2</sup>		11J32R04884 [2]	11J32R04840 [1]	11J32R04840 [2]	
56	Fan/Guard/Motor Mount Hardware Kit [Qty. Req'd per Capacity]		11253R10334-002 [2]	11253R10334-002 [1]	11253R10334-002 [2]	
57	Air Inlet Collar (includes gasket)		11507R10720-050		11507R10720-150	11507R10720-200
58	Air Inlet Collar Gasket		11265R10721-050		11265R10721-150	
59	Flue Pipe Grommet		11J07R02872-019			
60	Gas Pipe Grommet		11J07R02872-001			
61	Condensate Connection Cover (includes gasket)		11251R10700-001			
62	Condensate Connection Gasket		11J24R10833-024			
63	Terminal Block (includes gasket)		11J11R04609			
N/S	Ignition Cable		11J28R06971-001			
N/S	Hanging Bracket [Qty. Req'd]		N/A			
N/S	Condensate Trap Assembly		11264R10822-001			
N/S	Flue Pipe Adaptor		N/A		11J40R10104-006	11J40R10104-007
N/S	Flue Drainage Kit		N/A			
N/S	Pneumatic Tubing, 3/16" ID, 3 ft. length (Pressure Switch to Flue Collector)		11265R11026-002			
N/S	Pneumatic Tubing, 3/16" ID, 2 ft. length (Flue Pipe Coupling to Flue Collector)		11265R11026-001			

**Notes:**

1. See Transformers table for step down transformers used with Supply Voltage options 2-7.
2. Size 50 units do not have an OSHA Guard Plate. All other sizes include OSHA Guard Plate.

LEGEND: N/S - Part Not Shown, N/A - Not Applicable

# BXH SERIES 250-400 MBH REPLACEMENT PARTS

ITEM NO.	UNIT SIZE		250	300	350	400
	ITEM DESCRIPTION		PART NO.			
42	Electrical Panel		11257R10702-001			
43	Ignition Control Board		11J28R06881			
44	Time Delay Relay		11J10R10661-001			
45	Transformer, 50VA 115/24V <sup>1</sup>		11J14R03245-012			
46	Distribution Block		11260R10970-001			
47	Distribution Block Bracket		11509R10767-009			
48	Air Pressure Switch [label color]	Std Alt (0-4,999 ft)	11J11R10706-230 [gry]	11J11R10706-200 [dk. brn]	11J11R10706-180 [lt. blu]	11J11R10706-190 [grn]
		High Alt (5,000 ft+)	11J11R10706-220 [vndr/wht]	11J11R10706-190 [grn]	11J11R10706-170 [dk. blu]	11J11R10706-180 [lt. blu]
49	Inducer Speed Control Board		11J11R10633-001			
50	Inducer Speed Control Board Bracket		11509R10769-010			
51	Fan Relay, 24/115V with Bracket		N/A			
52	Contactor, 24/115V		11J10R06276-019			
53	Fan Blade [Qty. Req'd per Capacity]		11J34R10784-001 [2]	11J34R10162-001 [2]	11J34R10162-003 [2]	
54	Fan Motor, Open Drip Proof [Qty. Req'd per Capacity]		11J31R09585-002 [2]			
55	OSHA Fan Guard (includes OSHA Guard Plate) [Qty. Req'd per Capacity] <sup>2</sup>		11J32R04840 [2]		11J32R08289 [2]	
56	Fan/Guard/Motor Mount Hardware Kit [Qty. Req'd per Capacity]		11253R10334-002 [2]			
57	Air Inlet Collar (includes gasket)		11507R10720-200			
58	Air Inlet Collar Gasket		11265R10721-150			
59	Flue Pipe Grommet		11J07R02872-019		11J07R02872-010	
60	Gas Pipe Grommet		11J07R02872-002			
61	Condensate Connection Cover (includes gasket)		11251R10700-001			
62	Condensate Connection Gasket		11J24R10833-024			
63	Terminal Block (includes gasket)		11J11R04609			
N/S	Ignition Cable		11J28R06971-001			
N/S	Hanging Bracket [Qty. Req'd]		11252R10783-001 [2]			
N/S	Condensate Trap Assembly		11264R10822-001			
N/S	Flue Pipe Adaptor		11J40R10104-007		11J40R10133-007	
N/S	Flue Drainage Kit		N/A		11257R10163-400	
N/S	Pneumatic Tubing, 3/16" ID, 3 ft. length (Pressure Switch to Flue Collector)		11265R11026-002			
N/S	Pneumatic Tubing, 3/16" ID, 2 ft. length (Flue Pipe Coupling to Flue Collector)		11265R11026-001			

**Notes:**

1. See Transformers table for step down transformers used with Supply Voltage options 2-7.
2. Size 50 units do not have an OSHA Guard Plate. All other sizes include OSHA Guard Plate.

LEGEND: N/S - Part Not Shown, N/A - Not Applicable

# BXH SERIES 050-400 MBH REPLACEMENT PARTS GAS CONVERSION KITS & TRANSFORMERS

## GAS CONVERSION KITS

From Natural Gas (NG) to Propane (LP)		From Propane (LP) to Natural Gas (NG)	
Unit Size	Part Number	Unit Size	Part Number
050	11261R10749-001	050	11261R10750-001
100	11261R10749-002	100	11261R10750-002
150	11261R10749-003	150	11261R10750-003
200-400	11261R10749-004	200, 300-400	11261R10750-004
		250	11261R10750-005

## TRANSFORMERS

UNIT SIZE	050	100	150	200
<b>DESCRIPTION</b>	<b>PART NO.</b>			
115/24, 50VA Transformer	11J14R03245-012			
208 (1 Phase)/115, Transformer	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>
230 (1 Phase)/115, Transformer	11J14R02832-004 <sup>1</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>
208 (3 Phase)/115, Transformer	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>
230 (3 Phase)/115, Transformer	11J14R02832-004 <sup>1</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>	11J14R02832-013 <sup>2</sup>
460/115, Transformer	11J14R02832-004 <sup>1</sup>	11J14R02832-012 <sup>2</sup>	11J14R02832-012 <sup>2</sup>	11J14R02832-012 <sup>2</sup>
575/115, Transformer	11J14R02832-007 <sup>1</sup>	11J14R02832-014 <sup>2</sup>	11J14R02832-014 <sup>2</sup>	11J14R02832-014 <sup>2</sup>

**Notes:**

1. Transformer is 1,000 VA
2. Transformer is 2,000 VA
3. Transformer is 3,000 VA

UNIT SIZE	250	300	350	400
<b>DESCRIPTION</b>	<b>PART NO.</b>			
115/24, 50VA Transformer	11J14R03245-012			
208 (1 Phase)/115, Transformer	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>
230 (1 Phase)/115, Transformer	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>
208 (3 Phase)/115, Transformer	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>
230 (3 Phase)/115, Transformer	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>	11J14R02832-018 <sup>3</sup>
460/115, Transformer	11J14R02832-019 <sup>3</sup>	11J14R02832-019 <sup>3</sup>	11J14R02832-019 <sup>3</sup>	11J14R02832-019 <sup>3</sup>
575/115, Transformer	11J14R02832-020 <sup>3</sup>	11J14R02832-020 <sup>3</sup>	11J14R02832-020 <sup>3</sup>	11J14R02832-020 <sup>3</sup>

**Notes:**

1. Transformer is 1,000 VA
2. Transformer is 2,000 VA
3. Transformer is 3,000 VA

# BXH SERIES 050-400 MBH REPLACEMENT PARTS

## FIELD INSTALLED ACCESSORIES & MISC.

DESCRIPTION [ACCESSORY OPTION NO.]	PART NO.
Pressure Regulator (0.5 to 10 PSI) Natural Gas [A7-1/2-1]	11AS-A7-1/2-1
Pressure Regulator (10 to 20 PSI) Natural Gas [A7-3/8-1]	11AS-A7-3/8-1
Pressure Regulator (20 to 35 PSI) Natural Gas [A7-5/16-1]	11AS-A7-5/16-1
Thermostats (Mercury Free) – 1 Stage (Round) [G1]	11AS-G1
– 1 Stage (Round) w/ Guard [G2]	11AS-G2
– 1 Stage w/ Fan Switch [G3]	11AS-G3
– 2 Stage w/ Fan Switch [G5]	11AS-G5
– 1 Stage Heating Only [G9]	11AS-G9
– 1 WiFi Thermostat TH8321WF1001/U [GW]	11AS-GW
Locking Thermostat Guard/Cover [G6]	11AS-G6
Condensate Neutralizer - Inline (050-200 MBH) [E9]	11AS-E9-1
Condensate Neutralizer - Inline (250-400 MBH) [E9]	11AS-E9-2
Condensate Neutralizer - Wall Mounted (050-200 MBH) [EW]	11AS-EW-1
Condensate Neutralizer - Wall Mounted (250-400 MBH) [EW]	11AS-EW-2
Condensate Pump [K8]	11AS-K8
Condensate Pump Shelf [K9-001]	11AS-K9-001
2" PVC Concentric Vent Kit (050-100 MBH) [Y2]	11AS-Y2
3" PVC Concentric Vent Kit (150 MBH) [Y3]	11AS-Y3
4" PVC Concentric Vent Kit (200-400 MBH) [Y4]	11AS-Y4
High Temp (RTV) Sealant - 2.8 oz. tube	11H03R03612-002

# IMPORTANT WARRANTY INFORMATION

If you are ordering a replacement part for a unit which you believe to be under warranty, the process is as follows:

- Provide Beacon Morris with a description of the part or assembly needed and the model and serial number of the unit which experienced failure. If there is a question about the warranty, we can answer it at this point. Consultation with our Technical Service Dept. may be required to determine the correct replacement parts, and you will be given a call log number for reference.
- Fill out Beacon Morris's Return Goods Authorization (RGA) Request Form, available on SalesAssistant.com. Submit the form to Beacon Morris along with an order for the necessary parts. Be sure to include the call log number on both the form and the parts order.
- Once your order and completed RGA form are received, Beacon Morris will enter the order and issue you an RGA, if applicable, with instructions on how and where to send the defective parts.
- An invoice will be generated and mailed. The invoice may list the call log number, RGA number and state "a RGA has been issued." Once the defective item has been returned and confirmed as "defective in warranty," a credit will be issued for the original invoice amount.
- Returned goods must ship back within 30 days from date of RGA. If we do not receive the parts within 30 days, the RGA will be voided. Parts returned and found to be valid under warranty will be credited for parts only. If our inspection reveals that the parts returned are in a non-warranty condition, no credit will be issued. Freight is not covered under warranty.

In order to ensure the orderly processing of your warranty claim, it is **MANDATORY** that certain paperwork accompany any and all goods returned to Beacon Morris. It is also mandatory that goods be sent to the proper location.

In order to ensure proper handling of these goods, Beacon Morris **MUST** formally authorize the return of material to our various facilities under any circumstance. Any material returned without authorization will not be accepted.

In order to ensure that your properly authorized returns are accepted at our plant, you **MUST** clearly mark any and all shipping papers with an RGA number; Beacon Morris will not accept shipments that do not clearly show an RGA number on the outside of the box or crate!

**All returns to be shipped Freight Prepaid.  
Collect Shipments will not be accepted.**

CONSULT OUR CUSTOMER SERVICE DEPT. FOR ANY  
REPLACEMENT PARTS NOT LISTED IN THIS PUBLICATION.  
LIMITED AVAILABILITY ON CERTAIN OBSOLETE EQUIPMENT.  
TEL. 413-562-5423                      [www.beaconmorris.com](http://www.beaconmorris.com)

## LIMITED WARRANTY

The product described in this catalog are warranted by Beacon Morris, A Mestek Co. to be free from defects in material and workmanship for a period of one (1) year from the date of shipment from Beacon Morris's plant.

Beacon Morris will repair or replace, at its option, any components which, upon inspection, it finds to be defective, provided that the unit has been operated within its listed capacity, has been installed in accordance with the furnished instructions, has not been misused or subject to negligence and has received reasonable and necessary maintenance. This warranty does not cover labor costs or other cost incurred in repairing, removing, installing, servicing or handling of parts or complete products.

Beacon Morris will in no event be liable for incidental or consequential damages of any kind whatsoever.

The buyer must request written permission from Beacon Morris to return defective components and then must send them with all transportation charges prepaid to the plant designated in the written permission.

This warranty is extended only to the original purchaser from Beacon Morris.



Beacon Morris

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