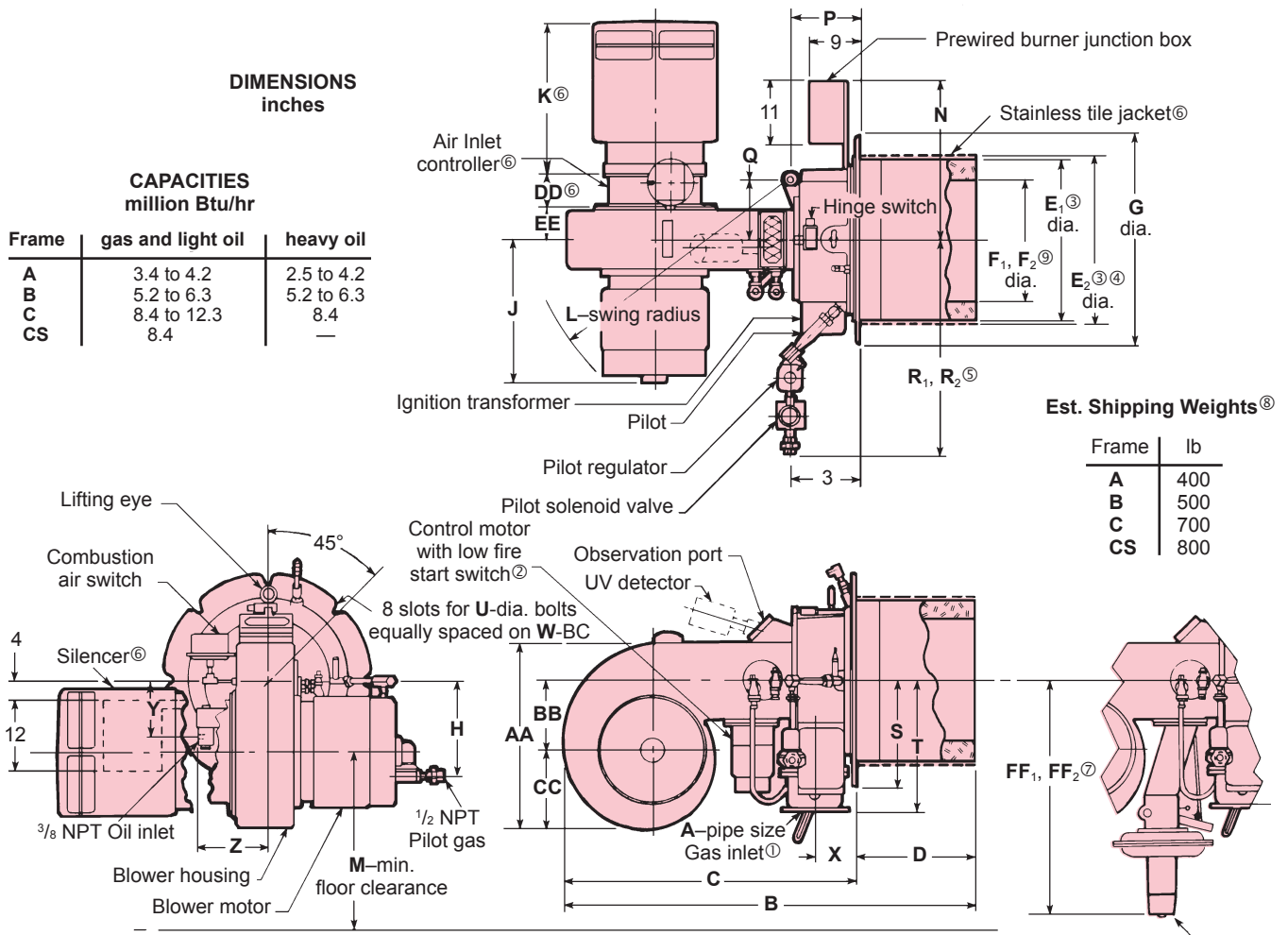


4/5/6131-A, B, C, and CS FRAME SIZE BURNERS



131 Series Burner Frame Size 4131-, 5131-, 6131-		A <sup>①</sup>	B	C	D	E <sub>1</sub> <sup>③</sup>	E <sub>2</sub> <sup>③④</sup>	F <sub>1</sub> <sup>⑤</sup>	F <sub>2</sub> <sup>⑤</sup>	G	H	J	K <sup>⑥</sup>	L	M	N	P	Q
A		3	36 3/4	25	11 3/4	16	16 3/4	13 1/2	13 1/2	20 3/4	10 3/4	14 1/4	11 3/4	23 1/2	22 1/2	21	6 15/16	6
B		3	41 3/8	29 3/8	11 3/4	16	16 3/4	11 1/2	13 1/2	20 3/4	10 3/4	14 1/2	13 7/8	27 1/8	25 1/2	21	6 15/16	6
C		4	46 1/8	33 1/8	13	19 1/2	20 1/4	14	16 3/8	24	14 1/2	14 3/4	16 1/4	29	26 1/2	23	11	6 13/16
CS		4	53	40	13	19 1/2	20 1/4	14	16 3/8	24	14 1/2	21 1/4	20	38	26 1/2	23	11	6 13/16

131 Series Burner Frame Size 4131-, 5131-, 6131-		R <sub>1</sub> <sup>⑤</sup>	R <sub>2</sub> <sup>⑤</sup>	S	T	U	W	X	Y	Z	AA	BB	CC	DD <sup>⑥</sup>	EE	FF <sub>1</sub> <sup>⑦</sup>	FF <sub>2</sub> <sup>⑦</sup>
A		20 1/2	24	10 3/8	15 3/4	1/2	19 1/2	4 1/4	8	6 3/4	13 3/4	5 1/8	5 7/8	5 1/16	2 3/4	29 1/4	27 3/4
B		20 1/2	24	10 3/8	15 3/4	1/2	19 1/2	4 1/4	8	6 3/4	18 1/8	6 3/4	7 1/2	7 1/4	2 3/16	29 1/4	24 1/4
C		28	31 1/2	12	16 1/4	5/8	22 3/4	5 3/4	9 1/4	8	17 1/4	4 7/8	7 3/8	7 1/4	5 1/2	29 3/4	24 3/4
CS		28	31 1/2	12	16 1/4	5/8	22 3/4	5 3/4	9 1/4	8	21	6 3/8	9 1/8	7 1/4	5	29 3/4	24 3/4

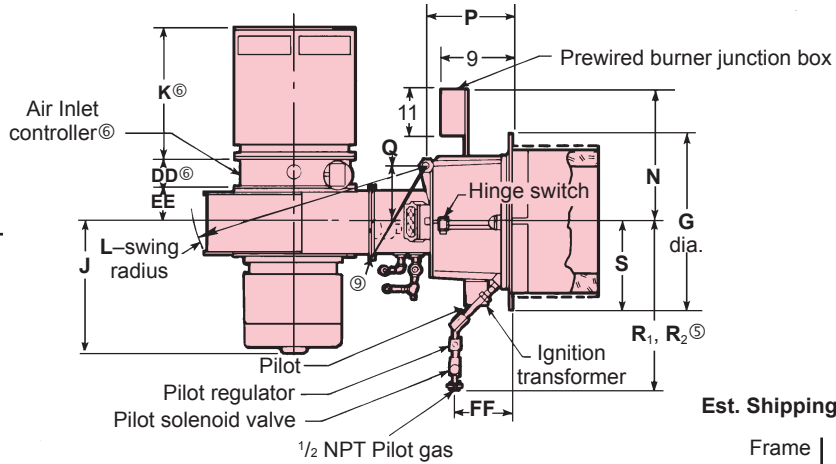
① ANSI 125 lb flanged connection. Not used on 5121 or 5131 Burners.  
 ② Honeywell M9484 or M7284 motors shown. For other motor types, check with North American.  
 ③ Furnace opening for 131-A, B, and equivalent size 121 burners is 17" dia. (17 1/2" dia. with jacketed tile).  
 Furnace opening for 131-C, CS, and equivalent size 121 burners is 20 1/2" dia. (21" dia. with jacketed tile).  
 ④ With stainless steel tile jacket only.  
 ⑤ If one pilot solenoid valve is used, dimension R<sub>1</sub> applies. Use dimension R<sub>2</sub> for burners with two pilot solenoid valves.  
 ⑥ Optional, furnished only when ordered.  
 ⑦ If Moore Positioner is used, dimension FF<sub>1</sub> applies. Use dimension FF<sub>2</sub> if the Moore Positioner is not supplied.  
 ⑧ If air motor is used, add 50 lb to these figures.  
 ⑨ If burner is gas and/or light oil, dimension F<sub>1</sub> applies. Use dimension F<sub>2</sub> if burner is heavy oil.

**4/5/6131-D, E, FA, and FC FRAME SIZE BURNERS**

**DIMENSIONS  
inches**

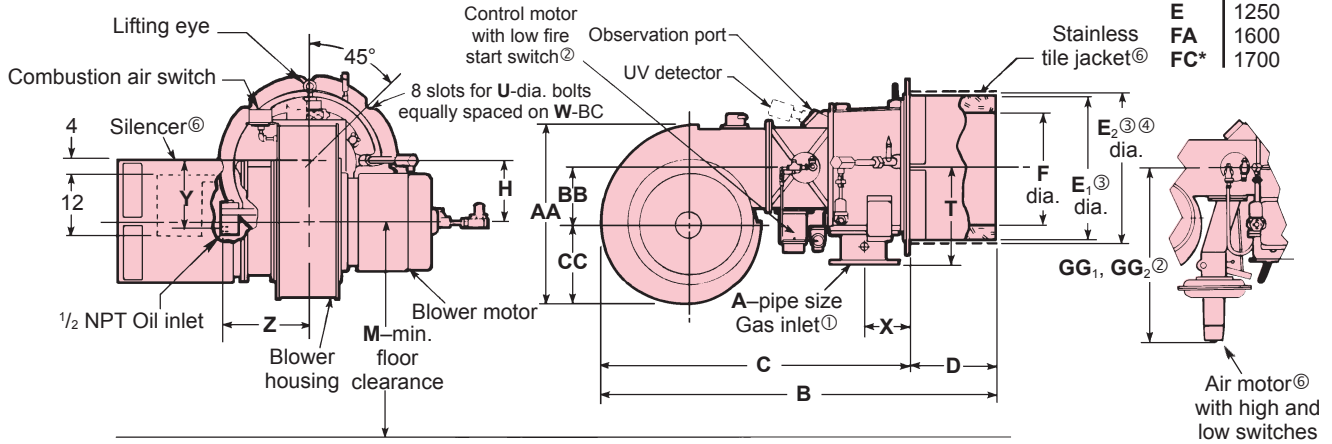
**CAPACITIES  
million Btu/hr**

Frame	gas and light oil	heavy oil
D	12.6 to 18.0	12.6 to 16.8
E	21.0 to 25.2	21.0 to 25.2
FA	29.4 to 30.0	29.4 to 30.0
FC*	29.4 to 30.0	29.4 to 30.0



**Est. Shipping Weights<sup>Ⓞ</sup>**

Frame	lb
D	950
E	1250
FA	1600
FC*	1700



131 Series Burner Frame Size 4131-, 5131-, 6131-	DIMENSIONS (inches)															
	A <sup>①</sup>	B	C	D	E <sub>1</sub> <sup>③</sup>	E <sub>2</sub> <sup>③④</sup>	F	G	H	J	K <sup>⑥</sup>	L	M	N	P	Q
D	6	62 <sup>7</sup> / <sub>8</sub>	49 <sup>7</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>4</sub>	23	23 <sup>3</sup> / <sub>4</sub>	17	28	14 <sup>1</sup> / <sub>2</sub>	17 <sup>3</sup> / <sub>4</sub>	20	37 <sup>11</sup> / <sub>16</sub>	33 <sup>1</sup> / <sub>2</sub>	25	12 <sup>3</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>8</sub>
E	8	64 <sup>1</sup> / <sub>4</sub>	51	13 <sup>1</sup> / <sub>4</sub>	23	23 <sup>3</sup> / <sub>4</sub>	18	32 <sup>1</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>2</sub>	20 <sup>3</sup> / <sub>8</sub>	20	41	38	26 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>8</sub>
FA	8	68 <sup>3</sup> / <sub>4</sub>	55	13 <sup>1</sup> / <sub>4</sub>	23	23 <sup>3</sup> / <sub>4</sub>	18	32 <sup>1</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>2</sub>	23 <sup>3</sup> / <sub>8</sub>	23 <sup>3</sup> / <sub>4</sub>	49	38	26 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>8</sub>
FC*	8	74	61	13 <sup>1</sup> / <sub>4</sub>	23	23 <sup>3</sup> / <sub>4</sub>	18	32 <sup>1</sup> / <sub>4</sub>	16 <sup>1</sup> / <sub>2</sub>	27	23 <sup>3</sup> / <sub>4</sub>	58	38	26 <sup>3</sup> / <sub>4</sub>	14 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>8</sub>

131 Series Burner Frame Size 4131-, 5131-, 6131-	DIMENSIONS (inches)																
	R <sub>1</sub> <sup>⑤</sup>	R <sub>2</sub> <sup>⑤</sup>	S	T	U	W	X	Y	Z	AA	BB	CC	DD <sup>⑥</sup>	EE	FF	GG <sub>1</sub> <sup>⑦</sup>	GG <sub>2</sub> <sup>⑦</sup>
D	29 <sup>3</sup> / <sub>4</sub>	33 <sup>1</sup> / <sub>4</sub>	14	15 <sup>5</sup> / <sub>16</sub>	5 <sup>5</sup> / <sub>8</sub>	26 <sup>3</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	13 <sup>1</sup> / <sub>2</sub>	10	28 <sup>1</sup> / <sub>4</sub>	8 <sup>5</sup> / <sub>8</sub>	12 <sup>3</sup> / <sub>4</sub>	10 <sup>3</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>8</sub>	7	38 <sup>3</sup> / <sub>4</sub>	33 <sup>3</sup> / <sub>4</sub>
E	31 <sup>1</sup> / <sub>2</sub>	35 <sup>1</sup> / <sub>2</sub>	16 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>8</sub>	30	8 <sup>3</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>2</sub>	12	29 <sup>1</sup> / <sub>2</sub>	8	12 <sup>7</sup> / <sub>8</sub>	10 <sup>3</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>2</sub>	35	30
FA	31 <sup>1</sup> / <sub>2</sub>	35 <sup>1</sup> / <sub>2</sub>	16 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>8</sub>	30	8 <sup>3</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>2</sub>	12	36	12 <sup>11</sup> / <sub>16</sub>	15	9 <sup>3</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub>	35	30
FC*	31 <sup>1</sup> / <sub>2</sub>	35 <sup>1</sup> / <sub>2</sub>	16 <sup>1</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>8</sub>	30	8 <sup>3</sup> / <sub>8</sub>	15 <sup>1</sup> / <sub>2</sub>	12	39	13 <sup>3</sup> / <sub>8</sub>	17 <sup>1</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	11 <sup>7</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>2</sub>	35	30

\* 50 hertz only.

- ① ANSI 125 lb flanged connection. Not used on 5131 Burners.
- ② Honeywell M9484 or M7284 motors shown. For other motor types, check with North American.
- ③ Furnace opening for 131-D, E, FA, and FC Burners is 24" dia. (24 1/2" dia. with jacketed tile).
- ④ With stainless steel tile jacket only.
- ⑤ If one pilot solenoid valve is used, dimension R<sub>1</sub> applies. Use dimension R<sub>2</sub> for burners with two pilot solenoid valves.
- ⑥ Optional, furnished only when ordered.
- ⑦ If Moore Positioner is used, dimension GG<sub>2</sub> applies. Use dimension GG<sub>1</sub> if the Moore Positioner is not supplied.
- ⑧ If air motor is used, add 50 lb to these figures.
- ⑨ FA and FC burner shutter assembly with blower assembly removed swing radius = 21 5/16".

DIMENSIONS SHOWN ARE SUBJECT TO CHANGE. PLEASE OBTAIN CERTIFIED PRINTS FROM FIVES NORTH AMERICAN COMBUSTION, INC. IF SPACE LIMITATIONS OR OTHER CONSIDERATIONS MAKE EXACT DIMENSION(S) CRITICAL.

**WARNING:** Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Parts of this product may exceed 160F in operation and present a contact hazard. Fives North American Combustion, Inc. urges compliance with National Safety Standards and Insurance Underwriters recommendations, and care in operation.

Fives North American Combustion, Inc. - 4455 East 71st Street - Cleveland, OH 44105 USA  
Phone 216.271.6000 - Fax 216.641.7852 - email: fna.sales@fivesgroup.com - www.fivesgroup.com/fivesna