



# BURNER SPEC & DATA SHEET

## **SERIES TCII™** **BECKETT MODEL "CG" BURNER** **FOR GAS**

### STANDARD EQUIPMENT

1. Direct spark ignition.
2. Air flow switch.
3. High and low gas pressure switches.
4. Main shutoff cock, leak test cock, and test connections.
5. UL/UL, CSD1, GE Gap code compliance.
6. Burner mounted control panel with on/off control switch, power-on and fuel-on lights and terminal strip.

### OPTIONAL EQUIPMENT

1. Control panel with on/off control switch, power-on and fuel-on lights and terminal strip. Also available are additional lights, relays, alarm bell and step down control circuit transformer.
2. Options for Lo-Hi-Lo and Modulation.
3. Control and gas trains to comply with FM, Former IRI, and other codes.
4. MEA and Mass code approvals.
5. Various combustion control models and brands.
6. Various gas train configurations and brands.
7. Various burner motor voltages.

**BECKETT SERIES "CG" BURNER FOR GAS**

BOILER MODEL	INPUT MBH (1)	OVERFIRE PRESSURE IN. W.C. (2)	BURNER MODEL	STANDARD COMBUSTION CONTROL	STANDARD CONTROL SYSTEM	3450 RPM MOTOR HP	STANDARD MOTOR VOLTAGE
TCII-04	1143	+0.50	CG15.2	RM7897C	L-H-O	1/2	115/60/1
TCII-05	1458	+0.52	CG25.2	RM7897C	L-H-O	3/4	115/60/1
TCII-06	1773	+0.54	CG25.3	RM7897C	L-H-O	3/4	115/60/1
TCII-07	2088	+0.56	CG25.4	RM7897C	L-H-O	3/4	115/60/1
TCII-08	2403	+0.58	CG25.5	RM7897C	L-H-O	3/4	115/60/1
TCII-09	2718	+0.62	CG50.3	RM7897C	L-H-O	2	240/60/1
TCII-10	3033	+0.63	CG50.3	RM7897C	L-H-O	2	240/60/1
TCII-11	3348	+0.65	CG50.4	RM7897C	L-H-O	2	240/60/1
TCII-12	3663	+0.67	CG50.5	RM7897C	L-H-O	2	240/60/1
TCII-13	3978	+0.69	CG50.5	RM7897C	L-H-O	2	240/60/1

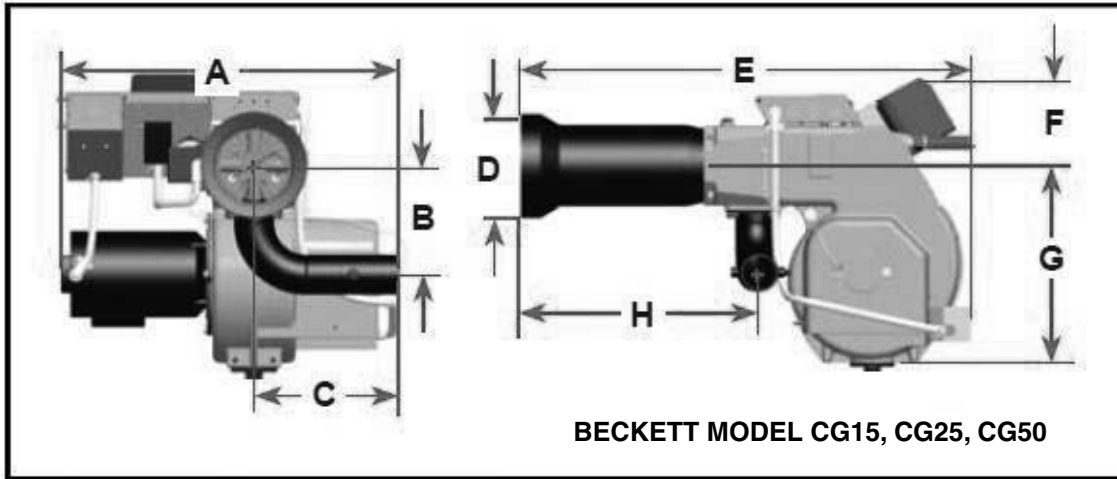
(1) Based on Natural Gas with heating value of 1,000 BTU per cu. Ft., 0.60 specific gravity at a maximum altitude of 2,000 ft. Consult factory for higher altitudes.

(2) With +0.10" W.C. at flue outlet when firing at Input.

**BECKETT SERIES "CG" BURNER FOR GAS**

BOILER MODEL	STANDARD CONTROL TRAIN			INITIAL AIR SETTINGS	
	SIZE IPS	PRESSURE - INCHES W.C.		LOW FIRE	HIGH FIRE
		MINIMUM (3)	MAXIMUM		
TCII-04	1.25	6.47	14	18	50
TCII-05	1.5	4.39	14	9	33
TCII-06	1.5	5.10	14	14	42
TCII-07	1.5	5.74	14	16	45
TCII-08	1.5	6.11	14	21	105
TCII-09	2	4.26	14	12	28
TCII-10	2	5.55	14	16	36
TCII-11	2	5.85	14	16	44
TCII-12	2	6.58	14	18	52
TCII-13	2.5	5.80	14	20	63

(3) Alternate control trains are available for low gas pressure applications.



BURNER MODEL	DIMENSIONS, INCHES								RATING & SPECIFICATIONS				
	A	B	C	D	E	F	G	H	NATURAL GAS & PROPANE MIN. MBH	NATURAL GAS & PROPANE MAX. MBH	MOTOR SIZE (H.P.)	STANDARD MOTOR VOLTAGE	TYPICAL GAS TRAIN (IN.)
CG10	11.7	6.0	8.1	4.4 - 4.6	25.5	6.8	8.2	9.9 - 11.0	300	1200	1/3	120/60/1	1
CG15	20.8	5.2	9.4	5.6	32.7	6.2	10.8	18.4	800	1400	1/2	120/60/1	1.0 - 1.25
CG25	20.9	6.8	9.3	6.9	33.2	6.7	12.6	17.8	1300	2700	3/4	120/60/1	1.0 - 1.25
CG50	24.4	7.5	10.5	7.7	33.6	6.7	14.6	17.4	2000	5000	2	230/60/1	1.50 - 2.50

**PB HEAT, LLC**

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