



# BURNER SPEC & DATA SHEET

## **SERIES LC™ & SERIES LCE™** **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/CUL, CSD1, GE Gap code compliance.
6. MEA and Mass code approval.

### 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. Full Modulation (Except for CG10.5 on LC-04).
3. Control and gas trains to comply with FM, IRI, and other codes.
4. Various combustion control models and brands.
5. Various gas train configurations and brands.
6. Various burner motor voltage.

### BECKETT MODEL "CG" BURNER FOR GAS

BOILER MODEL	I=B=R INPUT MBH (1)	OVERFIRE PRESSURE IN. W.C. (2)	BURNER MODEL	STANDARD COMBUSTION CONTROL	STANDARD CONTROL SYSTEM	3450 RPM MOTOR HP	STANDARD MOTOR VOLTAGE
LC-04	686	+0.22	CG10.5	RM7895A	O-O	1/3	115/60/1
LC-05R	808	+0.22	CG15.2	RM7895C	L-H-O	1/2	115/60/1
LC-05	881	+0.24	CG15.2	RM7895C	L-H-O	1/2	115/60/1
LC-06	1077	+0.26	CG15.2	RM7895C	L-H-O	1/2	115/60/1
LC-07	1273	+0.27	CG15.3	RM7895C	L-H-O	1/2	115/60/1
LC-08	1469	+0.28	CG25.1	RM7895C	L-H-O	3/4	115/60/1
LC-09	1664	+0.29	CG25.2	RM7895C	L-H-O	3/4	115/60/1
LC-10	1860	+0.30	CG25.3	RM7895C	L-H-O	3/4	115/60/1
LC-11	2056	+0.31	CG25.4	RM7895C	L-H-O	3/4	115/60/1
LC-12	2252	+0.32	CG25.5	RM7895C	L-H-O	3/4	115/60/1
LCE-13	2464	+0.24	CG50.2	RM7895C	L-H-O	2	240/60/1
LCE-14	2657	+0.25	CG50.2	RM7895C	L-H-O	2	240/60/1
LCE-15	2850	+0.26	CG50.3	RM7895C	L-H-O	2	240/60/1
LCE-16	3043	+0.27	CG50.3	RM7895C	L-H-O	2	240/60/1
LCE-17	3236	+0.28	CG50.3	RM7895C	L-H-O	2	240/60/1
LCE-18	3429	+0.29	CG50.4	RM7895C	L-H-O	2	240/60/1
LCE-19	3622	+0.30	CG50.4	RM7895C	L-H-O	2	240/60/1
LCE-20	3815	+0.31	CG50.4	RM7895C	L-H-O	2	240/60/1
LCE-21	4027	+0.31	CG50.5	RM7895C	L-H-O	2	240/60/1
LCE-22	4239	+0.31	CG50.5	RM7895C	L-H-O	2	240/60/1
LCE-23	4451	+0.32	CG50.5	RM7895C	L-H-O	2	240/60/1

(1) Based on Natural Gas with heating value of 1,000 BTU/cu. Ft., 0.60 specific gravity at a maximum altitude of 2000 ft. Consult factory for higher altitudes.

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

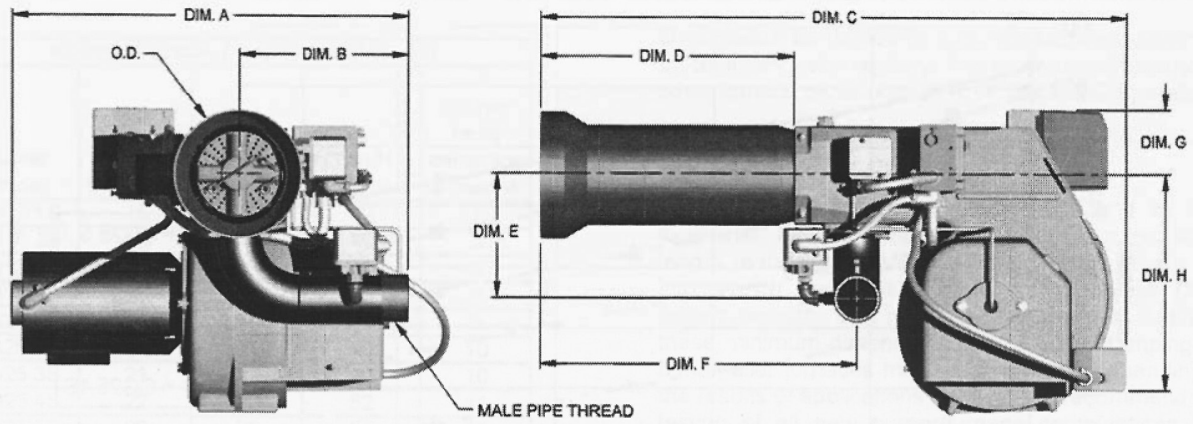
### BECKETT MODEL "CG" BURNER FOR GAS

BOILER MODEL	STANDARD CONTROL TRAIN			INITIAL AIR SETTINGS	
	SIZE IPS	PRESSURE - INCHES W.C.		SHUTTER/LOW FIRE	BAND/HIGH FIRE
		MINIMUM (3)	MAXIMUM		
LC-04	1	4.89	14	7.5	0
LC-05R	1	4.69	14	10	30
LC-05	1	5.68	14	9	33
LC-06	1	6.22	14	14	42
LC-07	1	6.29	14	17	57
LC-08	1.25	5.50	14	17	41
LC-09	1.25	5.74	14	20	49
LC-10	1.5	5.19	14	23	57
LC-11	1.5	5.26	14	27	71
LC-12	1.5	5.17	14	32	85
LCE-13	1.5	5.42	14	12	31
LCE-14	2	5.14	14	8	29
LCE-15	2	4.78	14	9	28
LCE-16	2	5.35	14	9	31
LCE-17	2	5.91	14	9	35
LCE-18	2	5.76	14	18	40
LCE-19	2	6.23	14	11	40
LCE-20	2	7.00	14	11	47
LCE-21	2.5	6.23	14	13	53
LCE-22	2.5	5.90	14	13	65
LCE-23	2.5	6.39	14	21	82

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

## Models CG15, CG25, & CG50 Gas Burners

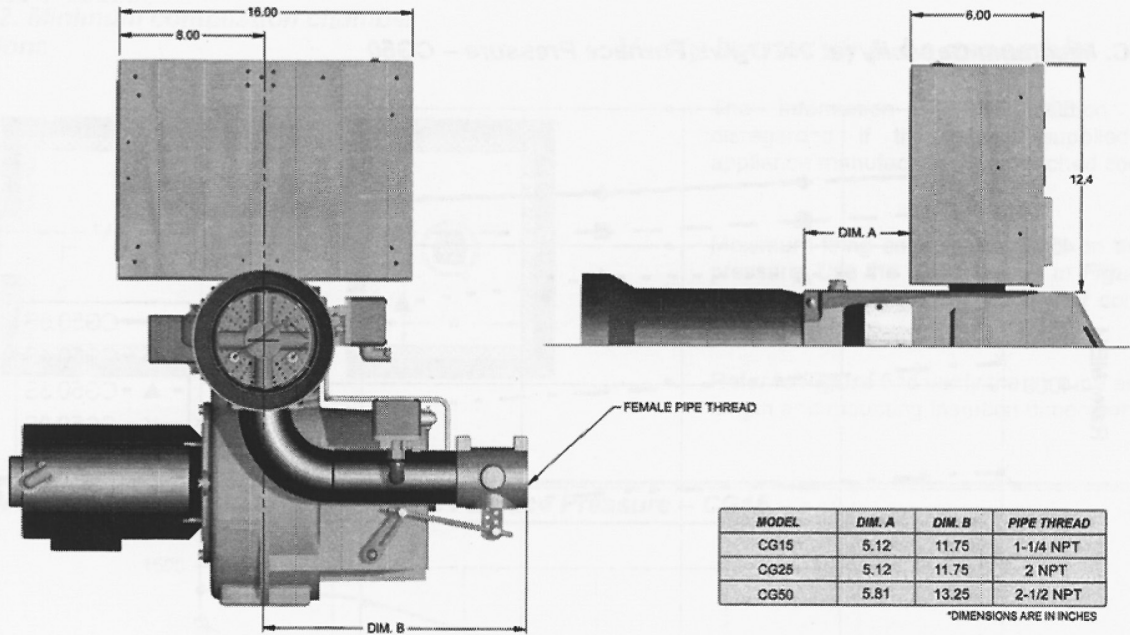
### Burner Dimensions



MODEL	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	DIM. H	O.D.	PIPE THREAD
CG15	20.8	9.4	32.7	13.7	5.2	18.4	4.1	10.8	5.6	1-1/4 NPT
CG25	20.9	9.3	33.2	13.4	6.8	17.8	4.1	12.6	6.9	2 NPT
CG50	24.4	10.5	33.6	13.5	7.5	17.4	4.1	14.6	7.7	2-1/2 NPT

\*DIMENSIONS ARE IN INCHES

### Panel Dimensions



MODEL	DIM. A	DIM. B	PIPE THREAD
CG15	5.12	11.75	1-1/4 NPT
CG25	5.12	11.75	2 NPT
CG50	5.81	13.25	2-1/2 NPT

\*DIMENSIONS ARE IN INCHES

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