



BURNER SPEC & DATA SHEET

SERIES LC™ **POWER FLAME MODEL “JRA” BURNER** **FOR GAS**

STANDARD EQUIPMENT

1. Spark ignited gas pilot.
2. Air flow safety switch.
3. Flame rod flame detector.

OPTIONAL EQUIPMENT

1. Control panel with on/off control switch, power-on and main fuel lights and terminal strip.
Also available are additional lights, control circuit fuse, alarm bell and step-down control circuit transformer.
2. Proven low fire start for L-H-O and L-H-L control systems.
3. Controls to comply with FM, IRI and other codes. Contact your local Peerless® Representative or PB Heat, LLC for availability.
4. Various combustion controls. Contact your local Peerless® Representative or PB Heat, LLC for availability.
5. Burner motor voltages: 230/60/1, 208/60/3, 230/60/3. 460/60/3.

Standard Control Systems:

O-O - On-off operation with low fire start and one position air.

Optional Control Systems:

L-H-O - Low-high-off operation with low fire start and two position air.

L-H-L - Low-high-low operation with low fire start and two position air. Requires SPST controller.

MOD - Full modulation with proven low fire start. Requires potentiometer control.

POWER FLAME MODEL "JRA" 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
LC-04	686	+0.22	JR15A-10	RM7897A	O-O	1/4
LC-05R	808	+0.22	JR30A-10	RM7897A	O-O	1/3
LC-05	881	+0.24	JR30A-10	RM7897A	O-O	1/3
LC-06	1,077	+0.26	JR30A-12	RM7897A	O-O	1/3
LC-07	1,273	+0.27	JR30A-12	RM7897A	O-O	1/3
LC-08	1,469	+0.28	JR50A-15	RM7897A	O-O	1/3
LC-09	1,664	+0.29	JR50A-15	RM7897A	O-O	1/3
LC-10	1,860	+0.30	JR50A-15	RM7897A	O-O	1/3
LC-11	2,056	+0.31	JR50A-15	RM7897A	O-O	1/2

(1) Based on Natural Gas with a heating value of 1000 BTU per 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.

BOILER MODEL	STANDARD MOTOR VOLTAGE	STANDARD CONTROL TRAIN			SIDE ORIFICE DRILL SIZE INCHES	INITIAL AIR SETTINGS (4)	
		INCHES IPS (3)	PRESSURE - INCHES W.C.			TOP	BOTTOM
			MINIMUM	MAXIMUM			
LC-04	115/60/1	1.00	4.2	14	9/16	1"	CLOSED
LC-05R	115/60/1	1.00	4.4	14	5/8	1/2"	3/8"
LC-05	115/60/1	1.00	4.5	14	45/64	1/2"	1/2"
LC-06	115/60/1	1.00	4.9	14	N/A	5/8"	5/8"
LC-07	115/60/1	1.25/1.00	5.6	14	N/A	3/4"	3/4"
LC-08	115/60/1	1.25/1.00	6.0	14	7/8	1 1/8"	1 1/8"
LC-09	115/60/1	1.25/1.00	6.8	14	1	1 3/16"	1 3/16"
LC-10	115/60/1	1.25	6.5	14	N/A	1 1/4"	1 1/4"
LC-11	115/60/1	1.50/1.25	5.9	14	N/A	1 1/2"	1 1/2"

(3) On dual size gas trains, first number is main gas valve, auxiliary gas valve and leakage test cock. Second number is gas pressure regulator and main shutoff cock.

(4) Start-up settings only. Final settings must be determined using combustion test equipment.

PB HEAT, LLC
PO Box 280 • Bally, PA 19503-0280