



BURNER SPEC & DATA SHEET

SERIES SC™ **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 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	STANDARD MOTOR VOLTAGE
SC/SCT-05	433	+0.20	JR15A-10	RM7897A	O-O	1/4	115/60/1
SC/SCT-06	505	+0.20	JR15A-10	RM7897A	O-O	1/4	115/60/1
SC/SCT-07	577	+0.20	JR15A-10	RM7897A	O-O	1/4	115/60/1
SC/SCT-08	649	+0.20	JR30A-10	RM7897A	O-O	1/3	115/60/1
SC/SCT-09	722	+0.20	JR30A-10	RM7897A	O-O	1/3	115/60/1
SC/SCT-10	794	+0.20	JR30A-10	RM7897A	O-O	1/3	115/60/1

(1) Based on Natural Gas with heating value of 1,000 BTU per cu. ft., 0.60 specific gravity at a maximum altitude of 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 CONTROL TRAIN		SIDE ORIFICE DRILL SIZE INCHES	INITIAL AIR SETTINGS (3)		
	SIZE IPS	PRESSURE - INCHES W.C.		TOP	BOTTOM	
		MINIMUM				MAXIMUM
SC/SCT-05	1"	3.7	14	3/8	5/8"	CLOSED
SC/SCT-06	1"	4.0	14	7/16	3/4"	CLOSED
SC/SCT-07	1"	4.3	14	15/32	1"	CLOSED
SC/SCT-08	1"	4.0	14	1/2	13/16"	CLOSED
SC/SCT-09	1"	4.4	14	17/32	1 1/8"	CLOSED
SC/SCT-10	1"	4.4	14	19/32	5/8"	5/8"

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

PB HEAT, LLC

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