



SERIES 3

Power Flame Burner Information

Boiler Size	Burner Model		Blower HP	Motors Remote Oil Pump		Firing Sequence	Standard UL Flame Safeguard	Gas Train		
	Gas and Gas/#2 Oil	#2 Oil		HP	HP			Voltage*	Size	Min. Pres.
3-100OS	C4-30	C4-OB	5.0	0.75	208/460/3	Full Mod	RM7840L/UV	2.0/2.5**	14.1" w.c.	1 psig
3-125OS	C5-30	C5-O	7.5	1.0	208/460/3	Full Mod	RM7840L/UV	2.0/2.5**	14.2" w.c.	1 psig
3-150OS	C6-30	C6-O	10.0	1.0	208/460/3	Full Mod	RM7840L/UV	3.0	19.5" w.c.	1 psig
3-175OS	C7-30	C7-O	15.0	1.0	208/460/3	Full Mod	RM7840L/UV	3.0	32.0" w.c.	10 psig
3-200OS	C8-30	C8-O	15.0	1.0	208/460/3	Full Mod	RM7840L/UV	3.0	40.0" w.c.	10 psig
3-225OS	C8-30	C8-O	15.0	1.0	208/460/3	Full Mod	RM7840L/UV	3.0	40.0" w.c.	10 psig

* State actual jobsite voltage on order.

** Dual size gas trains: Leak test cock, main gas valve, and auxiliary gas valve are indicated by the first number. Gas regulator and main shutoff cock are indicated by the second number.

Firing Sequence

Full Mod: Full modulation with proven low fire start, synchronized fuel/air control with modulating motor.



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Power Flame Burner Equipment

Equipment	Fuel	Description
Control Cabinet	Gas, #2 Oil, Gas/#2 Oil	NEMA 1A with hinged door.
Control Voltage Transformer	Gas, #2 Oil, Gas/#2 Oil	Included.
Motor Starter	Gas, #2 Oil, Gas/#2 Oil	Magnetic starters with overload protection for blower and oil pump.
Fusing	Gas, #2 Oil, Gas/#2 Oil	Control circuit only.
Ignition	Gas, #2 Oil, Gas/#2 Oil	Gas/Electric pilot.
Signal Lights	Gas, #2 Oil, Gas/#2 Oil	Four: power on, call for heat, fuel on, flame failure.
Air Flow Safety Switch	Gas, #2 Oil, Gas/#2 Oil	Included.
Gas Train	Gas and Gas/#2 Oil	UL gas train for min/max inlet pressure indicated on Burner Information table. Assembled, wired and mounted on unit consisting of the following: <ul style="list-style-type: none"> • Manual shut-off valve. • Gas pressure regulator. • Manual leak test valve. • Automatic gas valve: motorized with proof of closure. • Safety gas valve: Motorized. • Normally open vent valve. • High and Low gas pressure switches.
Oil Pump	#2 Oil, Gas/#2 Oil	Separate oil pump set with motor and accessories mounted on boiler skid.
Oil Train	#2 Oil, Gas/#2 Oil	Modulating oil valve, dual oil solenoid valves, low oil pressure switch.
Pilot Gas Controls	Gas, #2 Oil, Gas/#2 Oil	Manual pilot shut-off valve, high gas pressure regulator and solenoid gas valve.
Manual Controls	Gas/#2 Oil	Gas/Oil changeover switch; Manual/Auto switch with manual potentiometer.