



**SERIES LN3
SCOTCH**

Webster 30 PPM ^[1] Low Nox Burner Information

Boiler Size	Burner Model	Motor Horsepower ^[2]			Firing Sequence	Standard Flame Safeguard	Gas Train			FGR Line Size
		Blower	Oil Pump	A/C ^[3]			Minimum Gas Pressure	Maximum Gas Pressure	Size	
LN3-40	JBX1-*07	3/4	N/A	N/A	Full Mod	RM7840L	8"	14" w.c.	1.5"	4"
LN3-50	JBX2-*07	3/4	N/A	N/A	Full Mod	RM7840L	7"	14" w.c.	1.5"	4"
LN3-60	JBX2-*10	1	N/A	N/A	Full Mod	RM7840L	7"	28"	1.5"	4"
LN3-70	JBX2-*20	2	N/A	N/A	Full Mod	RM7840L	7"	28"	2"	5"
LN3-80	JBX2-*30	3	N/A	N/A	Full Mod	RM7840L	7"	28"	2"	6"
LN3-90	JBX2-*50	5	N/A	N/A	Full Mod	RM7840L	8"	25"	2.5"	6"
LN3-100	JBX2-*50	5	N/A	N/A	Full Mod	RM7840L	9"	28"	2.5"	6"
LN3-125	JBX3-*50	5	N/A	N/A	Full Mod	RM7840L	14"	28"	3"	6"
LN3-150	JBX3-*50	5	N/A	N/A	Full Mod	RM7840L	18"	28"	3"	6"
LN3-175	JBX3-*75	7.5	N/A	N/A	Full Mod	RM7840L	18"	28"	3"	6"
LN3-200	JBX3-*100	10	N/A	N/A	Full Mod	RM7840L	2 psi	5 psi	3"	8"
LN3-250	HDSX5-*75A	7.5	N/A	N/A	Full Mod	RM7840L	2 psi	5 psi	3"	8"
LN3-300	HDSX5-*150B	15	1/3	2	Full Mod	RM7840L	2 psi	5 psi	3"	8"
LN3-350	HDSX5-*150B	15	1/2	3	Full Mod	RM7840L	2 psi	5 psi	3"	8"
LN3-400	HDSX5-*150B	15	1/2	3	Full Mod	RM7840L	2 psi	5 psi	3"	8"
LN3-500	HDSX7-*200B	20	1/2	5	Full Mod	RM7840L	2 psi	5 psi	3"	10"
LN3-600	HDSX9-*500B	30	1/2	5	Full Mod	RM7840L	5 psi	7 psi	3"	10"
LN3-700	HDSX9-*500B	50	1/2	5	Full Mod	RM7840L	115" w.c.	8 psi	3"	10"
LN3-800	HDSX9-*500B	50	1/2	7.5	Full Mod	RM7840L	77" w.c.	9 psi	3"	12"
LN3-900	HDSX9-*500C	50	1	7.5	Full Mod	RM7840L	77" w.c.	10 psi	3"	12"
LN3-1000	HDSX9-*500C	60	1	7.5	Full Mod	RM7840L	77" w.c.	11 psi	3"	12"

Gas and Gas/#2Oil Firing Sequence

ALL MODELS: FULL MODULATION WITH PROVEN LOW FIRE START, SYNCHRONIZED FUEL/AIR CONTROL WITH MODULATING MOTOR.

NOTES:

^[1] EXPECTED EMISSIONS ARE 30 PPMVD OR LESS NO_x (CORRECTED TO 3.0% O₂) AND 400 PPMVD OR LESS CO (CORRECTED TO 3.0% O₂) WHEN FIRING NATURAL GAS

^[2] ALL BLOWER AND AIR COMPRESSOR MOTORS AVAILABLE 208-230-460/60/3, INDICATE JOBSITE ON ORDER. OIL PUMP MOTORS ARE 230/60/1; CONSULT FACTORY FOR OTHER VOLTAGES

^[3] Pressure atomized 40-100 HP. Pressure atomized w/recirc 125-250. Air atomized 300 hp & up.



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Burner Equipment

Equipment	Fuel	Description
Control Cabinet	Gas, Gas/#2 Oil	NEMA 1A with hinged door
Control Voltage Transformer	Gas, Gas/#2 Oil	Included
Motor Starter	Gas, Gas/#2 Oil	Magnetic starter with overload protection
Fusing	Gas, Gas/#2 Oil	Control circuit only
Ignition	Gas, Gas/#2 Oil	Gas/Electric pilot
Signal Lights	Gas, Gas/#2 Oil	(4) - power on, fuel valve open, call for heat, flame failure
Air Flow Safety Switch	Gas, Gas/#2 Oil	All Models
Gas Train	Gas, Gas/#2 Oil	UL gas train for minimum inlet pressure indicated on Burner Information table. Assembled, wired and mounted on unit consisting of the following: Manual shut off valve Gas pressure Regulator Manual leak test valve 40 & 50: 2 Gas Valves 150 & Larger: 2 Gas Valves Main Gas Valve: Motorized type Auxillary gas valve: Solenoid type 60 -125: Single Motorized Gas Valve with Proof of closure 60 & Larger: High and Low gas pressure switches
Oil Pump	Gas/#2 Oil	Remote oil pump set with motor and accessories mounted on boiler skid
Oil Firing Type	Gas/#2 Oil	100 - 250: Pressure Atomizing 300 and larger: Air Atomizing
Pilot Gas Controls	Gas, Gas/#2 Oil	All models have gas/electric pilot, manual pilot shut-off valve, pilot gas pressure regulator and solenoid gas valve
Fuel Changeover	Gas/#2 Oil	Manual switch
Flue Gas Recirculation	Gas, Gas/#2 Oil	Induced flue gas recirculation, no external fan is required