

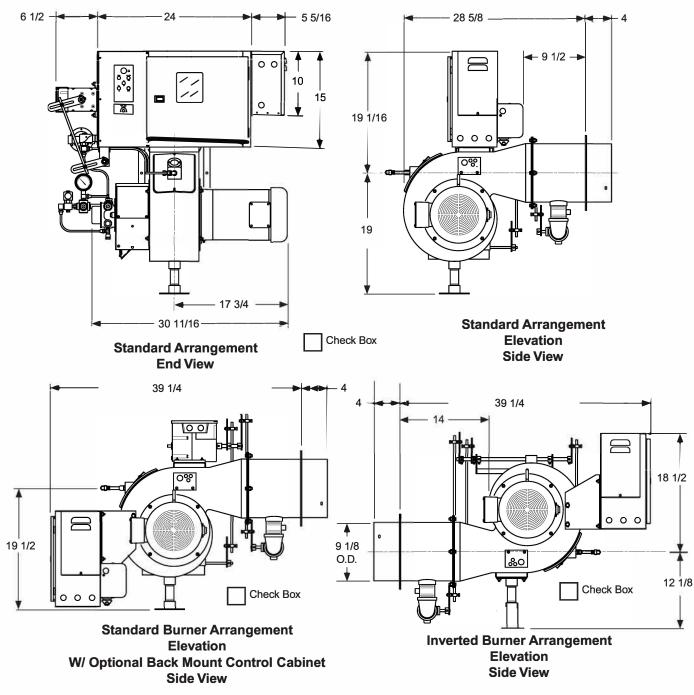
Model JB2 Forced Draft Burners

Specification & Dimensional Data (900 - 6000 MBH Input)

Fuels Burned and Control Systems

- Natural Gas, Propane, Digester or Mixed Gases
- Light #2 through Heavy #6 Fuel Oil
- Low Fire Start, Low-High-Low, Modulating or Micro Modulation
- Control Circuit Requires 120 vac, 60 Hz, Single Phase Voltage Supply

Check appropriate box to indicate selected version. (Dimensions are +/- 1/4inch)



Model JB2 burners are listed by Underwriters Laboratories, Inc. (UL / ULC). Also by the State of Massachusetts Fire Marshal, City of New York Board of Standards and Appeals, State of Minnesota and can be packaged to meet specific requirements of IRI, FM, GE GAP, NFPA, MIL spec. or other special insurance or local code requirements.

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Page 2 of 2

Mod	el JB2 ·	 Specifie 	cation	Data	а	(900) -	6000	MBH Inp	out)		Pag	e 2 of 2
(1) STANDARD UL EQUIPMENT AND IMPORTANT OPTIONS						No. 2 Oil			. ,			No. 2 Oil	
				Gas	Pressure Atomized	Air Atomized			STANDARD UL EQUIPMENT AND IMPORTANT OPTIONS		Gas	Pressure Atomized	Air Atomized
	Motor, Fan and Air Inlet Control			Х	X	X		Ma	ain Manual Shuto	ff Valve	X	*****	
F	Air Flow Switch			Х	X	X		Ma	ain Safety Shutoff	ty Shutoff Valve			1
F	(2) Burner Mounted Control Panel,							Se	cond Safety Shu	off Valve	X		
	Switch and Indicator Lights			Х	X	X		<u>a</u> Ma	ain Gas Regulato	•	X		
General	Flame Safety Control			Х	Х	Х		Gas Fuel E 0 ∞	as Checking Valve		X		
σ[Ultra Violet Scanner			Х	Х	Х		ΰНi	gh and Low Gas I	and Low Gas Pressure Switches			
	Motor Controller (single phase voltage)			Х	X	Х		Me	Metering Valve (modulating systems)) X		
	Motor Starter w/Overloads (3 PH volt)			Х	X	Х		No	ormally Open Vent Valve		Opt.		
	Fuel Selector Switch			Duel Fue	el Burne	rs Only							
L	Proven Gas Pilot Ignition			X		X		Oi	I Drawer Assembl	y with Diffuser		Х	X
	(1) JB2-30 and JB2-50			Х	x	Х		Oi)il Nozzles			Х	Х
_ [Pilot Solenoid Gas Valve			Х		Х		Int	gral Oil Pump (JB2-07 to JB2-20))	Х	
Ignition	Pilot Gas Regulator & Manual Valve			Х		Х		Re	emote Oil Pump (JB2-30 to JB2-50))	Х	Opt.
p [Pilot Gas Ignition Transformer			Х		Х		Тм	o Safety Shutoff	/alves		Х	Х
	Direct Spark Oil Ignirtion				(3)				w Air Atomizing S	witch			Х
	Direct Spark Oil Ignition Transformer				(3)				w Oil Pressure So ing remote oil pur	•		х	x
	Inverted Housing			Х	X	Х		Oi	I Pressure Gauge			Х	X
Options	Alternate Control Cabinet Positioning			Х	x	x			l Metering Valve (stem)	modulating		х	x
\circ	Remote Control Panel			X	X	Х		Fu	ture Gas Combus	stion Head		Opt.	Opt.
	Fuel Metering CAM-NETIC II e configuration of each unit will vary with sp			X	X	X			r Compressor				X
. Maxi	mum rate for di		GPH at low						traight oil burners				
	1	1		Bui Mo	rner				r for complet	1			<u>.</u>
Mode Numb						Pipe Size	Gas Tra		•	Oil Pump N			Air presso
Turno	Pressure						—		Press (in wc)	Pressure Atomizing	Air Atomizing		tor HP
		Gas scfh	#2 Oil gp					FS, LHL	Modulation				ļ
B2-07	2	900 / 2800	10/20		/4	1 1/2"	+	10 / 14"	13"	Integral	N/A		N/A
B2-10	2	900 / 3500	10/25		1	2"	+	8 / 14"	9 / 14"	Integral	Optional		2
32-15		900 / 3500	10 / 25		1/2	2"	+	8 / 14"	9 / 14"	Integral	Optional		2
B2-20	2	1200 / 4200	12/30		2	2"	(4)) 12/14"	`	Integral	Optional		2
B2-30	2.5	1200 / 5300	12/37.8		3	2 1/2"		N/A	13 / 14"	3/4	Optional		2
B2-50	2.5	1200 / 6000	12/42.8	8	5	2 1/2"		N/A	2-5 psi	3/4	Optional		2
Bas inp Dil inpu The ves	Capacity dec Capacity dec Capacity dec ut ratings base t ratings are ba sel draft must h ntial Orde	sed on 140,000 be between -0.1 ring Inforn	each 1000 each 1 inc each 100 cu ft. and 0. BTU/gal. fo and +0.1 w	0 feet ab ch of furr F increas .64 spec or ASTM /c. and D	ove 100 nace pre se in air ific gravi #2 fuel o)ata:	0 foot altitud ssure. temperature ty. Sizes ar pil.	de. e ove nd pro	er 90 ⁰ F. essure wil	II vary with differe				
	Describe Boile Firing Rate - D Fuel to be Burn Approval Agent Flame Safety C	or Heater to be F efine firing rates in ned - Type of gas a cy - UL, FM, IRI (C control Preferred -	Fired - Inclue MBH for g and/or oil, in GE GAP), C Honeywell	ding the r pas and G ncluding t SD-1, NF or Fireye	manufact PH for o he BTU PA, Mil s controls	urer, model i il. value. spec and loc . Gas Train	numt al coo n Cor	ber, furnaci des, if app mponents	Preferred - ASCO/I	nace size. TT, Honeywell or I			
			ire Start, Lo	ow High L	_ow, Mod		i-Con	ntrol. Ree	quired Options - M		t controls, etc.		

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