

B SERIES

The B Series boiler economizer is comprised of 14 standard models. An "off the shelf" unit, it is designed primarily for boilers with round stacks and a combustion capacity of 40 to 800 BHP with entering gas temperatures between 300° and 700°F. The standard stack connections can be easily modified to fit specific boiler stacks with 10" to 34" diameters, alleviating the cost of stack adapters. The units come standard either with 4 or 6 fins per inch (fpi) spacings for operation with No. 2 fuel oil and/or natural gas, and depending on the efficiency of the combustion. With its lightweight design and exclusive AL-FUSE™ heat transfer surface, installation is fast and costs are kept to a minimum. Use the chart on the next page to select the B Series unit that is best suited to your application.

COMBUSTION SOURCES

Steam boilers, hot water boilers

FEATURES

- Hinged stainless steel access door panels
- Internal thermal expansion design
- Mounting flanges for bolting to mating flanges or adapters
- Stainless steel internal exhaust bypass assembly
- Quick release tension latches for doors
- Optional sootblower assembly

- **Minimum cost**
- **Easy Installation**
- **Maximum savings**



B Series single-pass unit with stack adapter cone



Boiler Exhaust Application

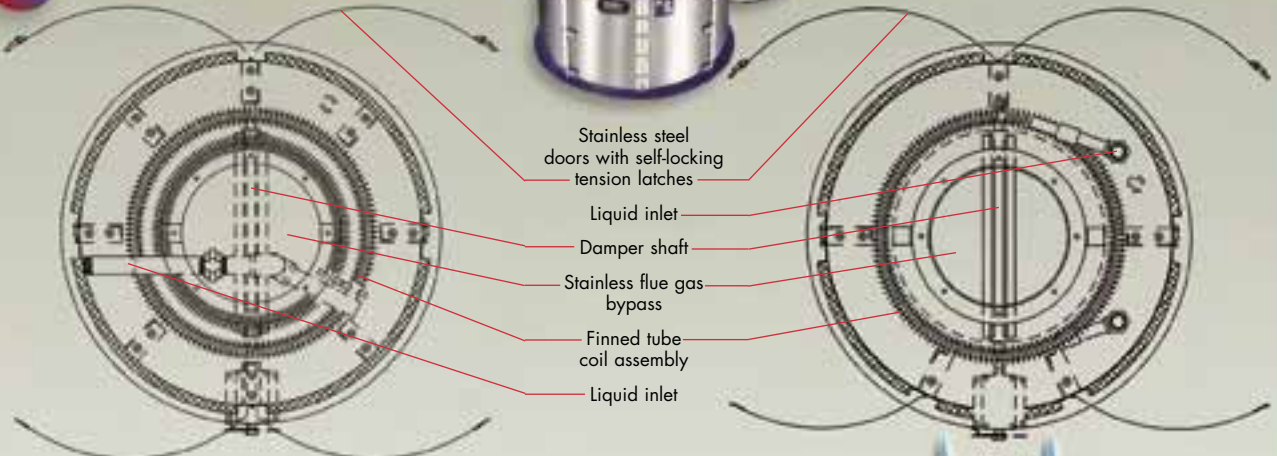
- Capacity: 40 to 800 BHP
- Entering gas temps: 300°F to 700°F
- Heat sink types: Boiler feedwater, makeup water, hot water return, hot water storage tank, condensate tank, process water, potable water

Boiler rooms of all sizes and with limited installation space, horizontal or vertical, can be accommodated with the cylindrical B Series or FCR economizer product lines.



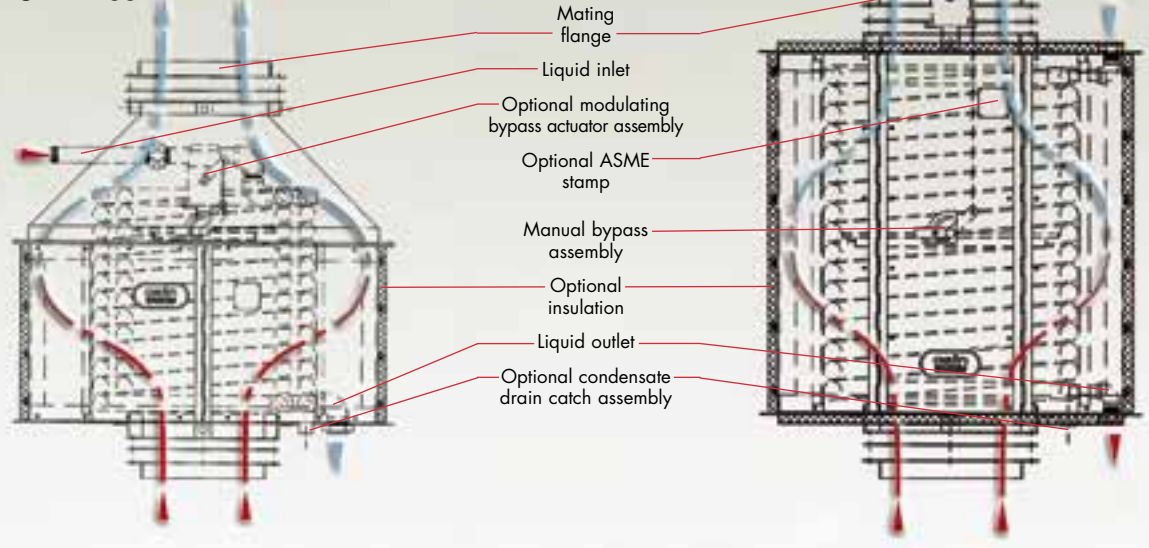


B BOILER ECONOMIZER SERIES



SINGLE PASS

DOUBLE PASS



B SERIES MODEL SELECTION

Model	BHP	H.S.		Dia.	Height	Weight in LBS	Stack Flange Conn.			Water Conn. NPT	Sootblower Conn.	Drain Catch Ring Conn.	Total Weight. w/Insulation & Stblr.
		6FPI	4FPI				ID	B.C.	Qty. Holes				
B04	40	91	N/A	30	15.5	175	12	14	8	1	N/A	1/2	210
B07	70	126	N/A	30	19.5	190	12	14	8	1	N/A	1/2	250
B10	100	72	119	36	23.5	220	12	14	8	1	N/A	1/2	300
B12	125	218	151	36	27.5	260	16	18	8	1	N/A	1/2	345
B15	150	263	182	36	31.5	300	16	18	8	1	N/A	1/2	390
B20	200	384	265	42	24.5	350	20	21 ^{3/4}	12	1 ^{1/4}	1	N/A	450
B25	250	486	336	42	28.5	390	20	21 ^{3/4}	12	1 ^{1/4}	1	N/A	490
B30	300	635	440	48	30.0	440	24	25 ^{7/8}	12	1 ^{1/2}	1 ^{1/4}	N/A	550
B35	350	720	498	48	32.0	485	24	25 ^{7/8}	12	1 ^{1/2}	1 ^{1/4}	N/A	600
B40	400	805	557	48	34.0	550	24	25 ^{7/8}	12	1 ^{1/2}	1 ^{1/4}	N/A	645
B50	500	932	645	48	38.0	590	24	25 ^{7/8}	12	1 ^{1/2}	1 ^{1/4}	N/A	700
B60	600	1059	733	48	42.9	650	30	32 ^{3/8}	16	1 ^{1/2}	1 ^{1/4}	N/A	760
B70	700	1186	821	48	46.0	690	30	32 ^{3/8}	16	1 ^{1/2}	1 ^{1/4}	N/A	830
B80	800	1313	909	48	50.0	750	30	32 ^{3/8}	16	1 ^{1/2}	1 ^{1/4}	N/A	890