

Technical Data

Boiler Model No. 222-F B2TA		19	35
Natural Gas / Liquid Propane Gas CSA input	MBH	12-67	19-125
	kW	3.5-20	5.5-37
CSA output/DOE *1 heating capacity	MBH	10.9-61	17.4-114
	kW	3.2-18	5.1-33
Net AHRI rating *2	MBH	53	99
	kW	15.5	29
Heat exchanger surface area	ft. ²	10.89	10.89
	m ²	1.01	1.01
Min. gas supply pressure			
Natural gas	"w.c.	4	4
Liquid propane gas	"w.c.	10	10
Max. gas supply pressure *3			
Natural gas	"w.c.	14	14
Liquid propane gas	"w.c.	14	14
A.F.U.E.	%	93.3	93.3
Weight	lbs	282	282
	kg	128	128
Boiler water content	USG	0.87	0.87
	L	3.27	3.27
Boiler max. flow rate *4	GPM	6.2	6.2
	L/h	1400	1400
Expansion tank *5 (for heating system side)			
Precharge pressure	psig	12	12
Capacity	USG	3.2	3.2
	L	12	12
Max. operating pressure at 210°F (99°C)	psig	45	45
	bar	3	3
Boiler water temperature			
- Adjustable high limit (AHL) range space heating (steady state)	°F	68 to 165	68 to 165
	°C	20 to 74	20 to 74
- Fixed high limit (FHL)	°F (°C)	210 (99)	210 (99)
Boiler connections			
Boiler heating supply and return	NPTM"	3/4"	3/4"
Pressure relief valve	NPTF"	3/4"	3/4"
Drain valve	(male thread)	3/4"	3/4"
Boiler supply/return for indirect-fired DHW storage tank (field supplied)	NPT"	3/4"	3/4"
Gas valve connection	NPTF"	3/4"	3/4"

*1 Output based on 140°F (60°C), 120°F (49°C) system supply/return temperature.

*2 Net AHRI rating based on piping and pick-up allowance of 1.15.

*3 If the gas supply pressure exceeds the maximum gas supply pressure value, a separate gas pressure regulator must be installed upstream of the heating system.

*4 See "Waterside Flow" starting on page 8 in this manual.

*5 Determine the required size of the expansion tank to be installed in the heating system. If the integral expansion tank is insufficient, install a suitably sized expansion tank on site.