

EX SERIES

97.9
%
THERMAL EFFICIENCY

TOUCHSCREEN
V-10
PORTAL
CONTROL ON THE GO

10:1
TURNDOWN RATIO

BUILT-IN
4
ZONE
PUMP CONTROL

24
NETWORK UP TO 24x

COMMERCIAL

HIGH EFFICIENCY
CONDENSING BOILER

10
YEAR
HEAT EXCHANGER
WARRANTY

2
YEAR
PARTS
WARRANTY



IBC[®]

EX SERIES

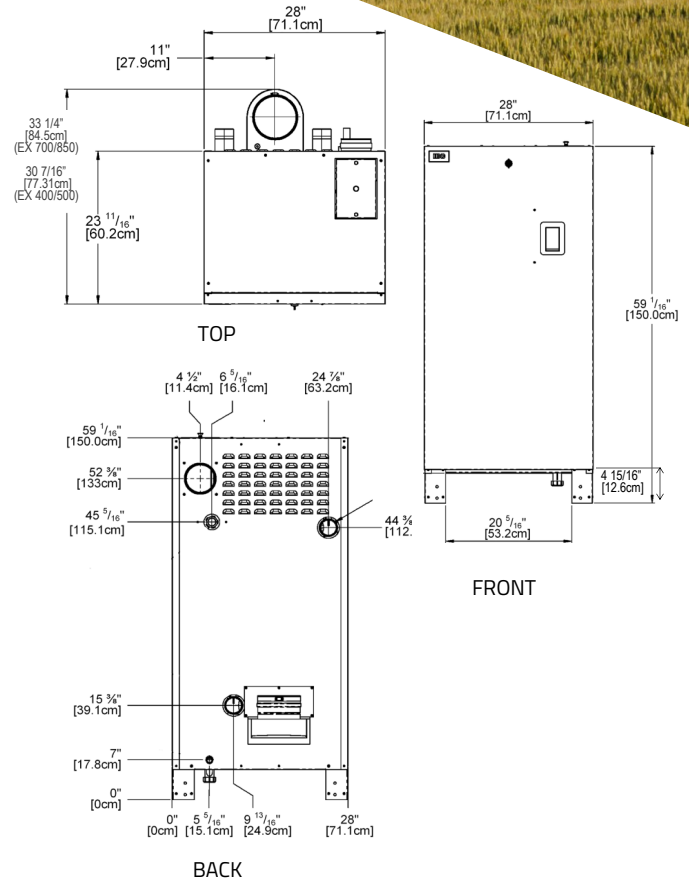
Technical Information

PIPING CONNECTIONS	EX 400, 500	EX 700, 850
Flue Outlet	4" Schedule 40	6" Schedule 40
Combustion Air Inlet	4" Schedule 40	4" Schedule 40
Water Outlet	2" Male NPT	2 1/2" Male NPT
Water Inlet	2" Male NPT	2 1/2" Male NPT
Knockouts (8)	1/2"	1/2"
Gas inlet	1" NPT-F	1" NPT-F
Condensate Outlet	3/4" Hose	3/4" Hose

SPECIFICATIONS	EX 400	EX 500	EX 700	EX 850
CSA Input (Natural Gas or Propane) - MBH	40 - 399	50 - 500	70 - 700	85 - 850
CSA Input (Natural Gas or Propane) - kW	11.7 - 117	14.6 - 146.5	20.5 - 205	24.9 - 249
CSA Output (Natural Gas or Propane) - MBH	388	485	679	824.50
CSA Output (Natural Gas or Propane) - kW	114	142	199	241.60
Thermal Efficiency	97.9%	97.5%	97.0%	97.0%
Min Gas Supply Pressure (Nat. Gas or Propane) - inch w.c.	4	4	4	4
Max Gas Supply Pressure (Nat. Gas or Propane) - inch w.c.	14	14	14	14
Ambient Temperature - Low (F/C)	32° / 0°	32° / 0°	32° / 0°	32° / 0°
Ambient Temperature - High (F/C)	122° / 50°	122° / 50°	122° / 50°	122° / 50°
Max relative humidity (non-condensing)	90%	90%	90%	90%
Min water Temperature (F/C)	34° / 1°	34° / 1°	34° / 1°	34° / 1°
Max water Temperature - (electronic high limit) (F/C)	190° / 88°	190° / 88°	190° / 88°	190° / 88°
Max. ΔT - supply/return (electronic fence) (F/C)	80° / 44°	80° / 44°	80° / 44°	80° / 44°
Max. Water Temperature Lockout Limit (F/C)	201° / 94°	201° / 94°	201° / 94°	201° / 94°
Power (120Vac/60Hz) @ full fire - watts (without pumps)	150	210	195	228
Weight (empty) - lbs/Kg	414 / 188	441 / 200	486 / 202	510 / 231
Heating Surface Area ft ² / m ²	55.3 / 5.14	72.9 / 6.77	84.6 / 7.86	99.88 / 9.28
Pressure Vessel water content - USG/Liters	13.5 / 51	12.3 / 46.7	17.5 / 66.3	16.5 / 62.3
Max boiler flow rate - USgpm	100	100	100	100
Min boiler flow rate - USgpm	10	15	18	21
Max Operating Water Pressure - psig *	160	160	160	160
Min Operating Water Pressure - psig	8	8	8	8
Relief valve pressure - psig	50	50	50	50
Approved installation altitude (Ft)	12,000	12,000	12,000	12,000
Max equivalent vent length (each side)	170'	170'	120'	120'

* Relief valves sizes available: 30, 100, 125, 150 psi

SURFACE	DISTANCE FROM COMBUSTIBLE SURFACES	RECOMMENDED DISTANCE FOR INSTALLATION AND SERVICE
Front	2"	24"
Rear	0"	0"
Left Side	1.5"	6"
Right Side	4"	6"
Top	2"	24"
Bottom	8"	24"



V-10 PORTAL

A secure method of remotely managing your EX Series Boiler from any location.

Boiler control on the go!

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Toll Free: 1-844-HEAT IBC / 1-844-432-8422



All information contained in this brochure is subject to change without notice. Due to clerical error, regulation change or product development please confirm all information with IBC INTERGAS