

JOB NAME: _____

LOCATION: _____

ENGINEER: _____

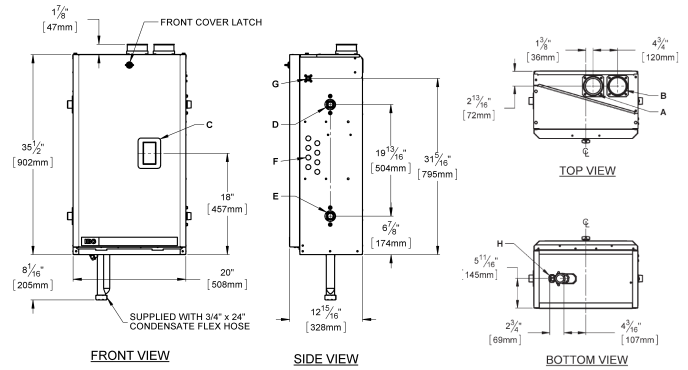
WHOLESALER: _____

CONTRACTOR: _____

FUEL: Natural Gas Propane

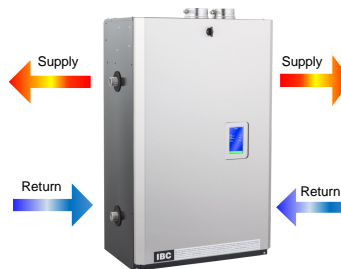
BTUH/INPUT: _____

BTUH/OUTPUT: _____



Specifications	SL 20-115G2
CSA Input (Natural Gas or Propane *) - MBH	20 - 115
CSA Input (Natural Gas or Propane *) - KW	6 - 34
CSA Output - MBH	19 - 109
CSA Output - KW	5.5 - 32
A.F.U.E	95%
Min gas pressure (Nat. Gas or Propane) - inch w.c.	5
Max gas pressure (Nat. Gas or Propane) - inch w.c.	14
Power (120Vac/60Hz) - Watts @ full fire - Watts	54
Weight (empty) - lbs/Kg	85/39
Pressure vessel water content – USG/Liters	2.9 / 11
Max boiler flow rate - USgpm	14
Min boiler flow rate - USgpm	2
Max operating pressure - psig	30
Min water pressure - psig	8
Approved installation altitude - ASL	0 - 12,000 ft
Ambient temperature - Low (°F/°C)	32°F / 0°C
Ambient temperature - High (°F/°C)	122°F / 50°C
Max relative humidity (non-condensing)	90%
Min water Temperature (°F/°C)	34°F / 1.1°C
Max water Temperature (electronic-limit) (°F/°C)	190°F / 88°C
Max water Temperature (mechanical hi-limit) (°F/°C)	200°F / 93°C
Max ΔT - supply / return (electronic fence)	40°F
Maximum equivalent vent length each side 2"	100'
Maximum equivalent vent length each side 3"	240'
(Natural Gas or Propane)	
Air intake options: either direct vent or indoor supply	

Boilers are shipped with 30psi pressure relief valve.



Description	SL 20-115G2
A Exhaust Outlet	3" Schedule 40
B Combustion Air	3" Schedule 40
C Touch Screen Display	2-1/4" x 4"
D Water Outlet	1" NPT - M
E Water Inlet	1" NPT - M
F Knock-Outs (8)	1/2"
G Gas Inlet	1/2" NPT - F
H Condensate Outlet	3/4" Hose

Surface	Distance from combustible surfaces	Recommended distance for installation and service
Front	2"	24"
Rear	0"	0"
Left Side	1"	4" (min. for piping clearance)
Right Side	1"	4" (min. for piping clearance)
Top	2"	6" (for vent connection)
Bottom	0"	12" (for condensate trap)

Exhaust pipe size	Maximum equivalent length
Sched.40; Rigid PPs	
2"	100'
3"	240'
90° long sweep elbow	Allow 5' equivalent
90° vent elbow	Allow 8' equivalent
45° elbow	Allow 3' equivalent
PP's 87-90° elbows	Allow 8' equivalent
Flexible PPs	
2" Flexible	45' (max) lineal x 1.4 = equivalent
3" Flexible	98' (max) actual lineal x 1.2 = equivalent

On Natural Gas models: to maintain the full firing rate at elevations over 2000' use 3" Flue Gas Exhaust piping and 3" Combustion Air Piping or replace the burner with Part# 180-016 Knitted Metal Burner

Boiler Head Loss						
Flow rate (gpm)	2	4	6	8	10	12
Head loss @ flow (ft wc)	0.5'	1.5'	2.5'	3'	4'	4.5'

Pressure vessel head loss

