

23,000 to 84,000 BTU/HR 29,000 to 106,000 BTU/HR  
 33,000 to 124,000 BTU/HR 20,000 to 125,000 BTU/HR  
 33,000 to 160,000 BTU/HR

## Dual Condensing Combi Boile

JOB NAME: SEEKINS

LOCATION: 73 Melbourne

ENGINEER: \_\_\_\_\_

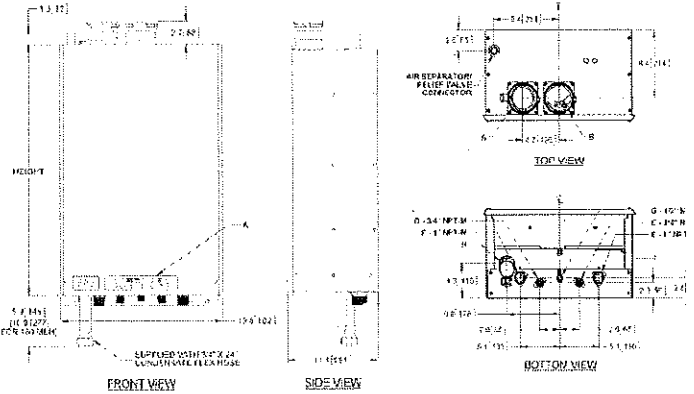
WHOLESALE: \_\_\_\_\_

CONTRACTOR: Ruedi He Plumber Inc

FUEL: Natural Gas  Propane

BTUH/INPUT: 25 MDH

BTUH/OUTPUT: Variable



ECIFICATIONS	DC 23-84	DC 29-106	DC 33-124	DC 20-125	DC 33-160
A Input (Natural Gas or Propane) – MBH	23 - 84	28.5 - 106	33 - 124	20 - 125	33 - 160
A Input (Natural Gas or Propane) – KW	6.7 - 24.9	8.4 - 31.0	9.7 - 36.3	5.6 - 36.6	9.7 - 46.9
A Output – MBH	21.2 - 74.8	26.3 - 94.3	31 - 115	18.6 - 110.8	30.4 - 140.0
A Output - KW	6.2 - 21.9	7.7 - 27.6	9.0 - 33.8	5.4 - 32.5	8.9 - 41.0
W - CSA Input (Natural Gas or Propane) - MBH	23 - 84	28.5 - 106	33 - 124	20 - 125	33 - 124
W - CSA Input (Natural Gas or Propane) - KW	6.7 - 24.9	8.4 - 31.0	9.7 - 36.3	95.6 - 36.3	9.7 - 36.3
U.E	94%	94%	94%	95%	94%
Gas Pressure (Nat. Gas or Propane) – inch w.c.	5	5	5	5	5
Gas Pressure (Nat. Gas or Propane) – inch w.c.	14	14	14	14	14
Power (120Vac/60Hz) - Watts @ full fire with internal pump	126	128	130	130	164
Weight (empty) – lbs/Kg	85 / 39	85 / 39	85 / 39	85 / 39	85 / 39
Pressure Vessel water content – USG/Liters	0.37/1.4	0.37/1.4	0.5/1.9	0.5/1.9	0.5/1.9
Gas boiler flow rate - USgpm	9	10	11	11	11
Water boiler flow rate - USgpm	2	3	3	3	3
Operating Pressure – Space Heating Coil - psig	43.5	43.5	43.5	43.5	43.5
Operating Pressure – Domestic Hot Water Coil - psig	150	150	150	150	150
Approved installation altitude - ASL	12,000 ft	12,000 ft	12,000 ft	12,000 ft	12,000 ft
Operating Temperature – Low (°F/°C)	32/0	32/0	32/0	32/0	32/0
Operating Temperature – High (°F/°C)	122/50	122/50	122/50	122/50	122/50
Relative humidity (non-condensing)	90%	90%	90%	90%	90%
Water Temperature - Space Heating (°F/°C)	50/10	50/10	50/10	50/10	50/10
Water Temperature – Space Heating (°F/°C)	194/90	194/90	194/90	194/90	194/90
Water Temperature – Domestic Hot Water (°F/°C)	104/40	104/40	104/40	104/40	104/40
Water Temperature – Domestic Hot Water (°F/°C)	149/65	149/65	149/65	149/65	149/65
Flow rate to activate DHW heating - USgpm	0.5	0.5	0.5	0.5	0.5
Flow rate DHW heating - USgpm	2.6	3.3	4	4	4
Equivalent vent length 2" (each side)	35'	35'	35'	35'	35'
Equivalent vent length 3" (each side)	120'	120'	120'	120'	120'
Domestic Hot Water Delivery: @70°F/39°C temperature rise	2.1 GPM	2.7 GPM	3.2 GPM	3.2 GPM	3.2 GPM

Boilers are shipped with 30 psi pressure relief valve.

DESCRIPTION	DC Series
A Exhaust Outlet	3" Schedule 40
B Combustion Air	3" Schedule 40
C Cold Domestic Water Connection	3/4" Male NPT
D Hot Domestic Water Connection	3/4" Male NPT
E Heating Water Inlet (Return)	1" Male NPT
F Heating Water Outlet (Supply)	1" Male NPT
G Gas Inlet	1/2" Male NPT
H Condensate Outlet	3/4" Hose
I Knock-Outs (3)	1/2"

Connections

SURFACE	DISTANCE FROM COMBUSTIBLE SURFACES	RECOMMENDED DISTANCE FOR INSTALLATION AND SERVICE
Front	2"	24"
Rear	0"	0"
Left Side	1.5"	6" (labels may be difficult to read with reduced clearance)
Right Side	4"	6" (labels may be difficult to read with reduced clearance)
Top	2"	24"
Bottom	8"	24"

Clearance from boiler cabinet

EXHAUST PIPE SIZE	MAXIMUM EQUIVALENT LENGTH
Sched.40; Rigid PPs	(each side)
2"	35'
3"	120'
2"/ 3" 90° Long Sweep Vent Elbow	Allow 5' equivalent feet
2"/ 3" 90° Short Sweep Vent Elbow	Allow 8' equivalent feet
2"/ 3" 45° Vent Elbow	Allow 3' equivalent feet
PPS	
PPs 87-90° Elbow	Allow 8' equivalent feet
Flexible PPs	
3" Flexible	35 actual feet

Maximum exhaust venting length

