

CADET[®] BOILER PRODUCT SUMMARY (CD/CC) 40,000-120,000 BTU/HR

	CDN040	CDN070	CDN100	CDN120	CCN120
BOILER					
GALLON CAPACITY	0.3	0.4	0.5	0.6	0.6
HEATING SURFACE (SQ. FT.)	5.50	7.30	9.10	10.90	10.90
WATER CONNECTIONS	3/4"	1"	1"	1"	1"
20°F ΔT WATER FLOW (GPM)	3.7	6.5	9.3	11.2	11.2
HEAD LOSS (FT. OF HD.)	10.2	17.1	24.5	25.4	25.4
35°F ΔT WATER FLOW (GPM)	2.1	3.7	5.3	6.4	6.4
HEAD LOSS (FT. OF HD.)	3.9	6.0	8.8	9.0	9.0
MAX. WORKING PRESSURE (PSI)	50	50	50	50	50
# OF RELIEF VALVES	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	3/4"
RELIEF VALVE RATING (MBH)	535	535	535	535	535
RELIEF VALVE PRESSURE RATING (PSI)	30	30	30	30	30
DOMESTIC WATER (Combi Only)					
WATER CONNECTIONS	NA	NA	NA	NA	3/4"
70°F ΔT DHW DELIVERY @ (GPM)	NA	NA	NA	NA	3
MAX. WORKING PRESSURE (PSI)	NA	NA	NA	NA	145
GAS					
INLET CONNECTION	1/2"	1/2"	1/2"	1/2"	1/2"
MAX. INLET PRESSURE, NAT	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, NAT	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MAX. INLET PRESSURE, LP	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, LP	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
BTU/HR INPUT	40,000	70,000	100,000	120,000	120,000
BTU/HR OUTPUT (HIGH FIRE)	37,600	65,800	94,000	112,800	112,800
BTU/HR OUTPUT (LOW FIRE)	8,545	13,160	18,800	22,560	22,560
ELECTRICAL					
VOLTAGE/HEATER	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24
TOTAL AMPS	0.7	0.7	0.7	0.7	1.3
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1
DIMENSIONS					
HEIGHT	26"	26"	26"	26"	35"
WIDTH	19-1/2"	19-1/2"	19-1/2"	19-1/2"	19-1/2"
DEPTH	13-3/4"	13-3/4"	13-3/4"	13-3/4"	13-3/4"
SERVICE CLEARANCES					
FRONT	24"	24"	24"	24"	24"
BOTTOM	24"	24"	24"	24"	24"
RIGHT SIDE	12"	12"	12"	12"	12"
LEFT SIDE	12"	12"	12"	12"	12"
TOP	6"	6"	6"	6"	6"
DIRECT VENTING					
SIZE	2"	2"	2"	3"	3"
VENT CATEGORY	IV	IV	IV	IV	IV
VENT MATERIAL	PVC/CPVC/SS/PP	PVC/CPVC/SS/PP	PVC/CPVC/SS/PP	PVC/CPVC/SS/PP	PVC/CPVC/SS/PP