



KNIGHT[®] WALL MOUNT BOILER PRODUCT SUMMARY (WB) 50,000 - 210,000 BTU/HR

	WB-050	WB-080	WB-105	WB-150	WB-210
WATER					
GALLON CAPACITY	0.6	0.6	0.7	1.3	1.7
HEATING SURFACE (SQ. FT.)	6.0	6.0	10.6	10.6	15.3
WATER CONNECTIONS	1"	1"	1"	1"	1"
DRAIN	3/4"	3/4"	3/4"	3/4"	3/4"
20°F ΔT WATER FLOW (GPM)	5.1	7.5	9.8	14.0	19.6
HEAD LOSS (FT. OF HD.)	11.0	24.0	27.0	20.0	29.0
35°F ΔT WATER FLOW (GPM)	2.9	4.2	5.5	7.9	11.0
HEAD LOSS (FT. OF HD.)	4.1	7.3	9.8	10.0	10.1
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160
# 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)	510	510	510	510	510
RELIEF VALVE PRESSURE RATING (PSI)	30	30	30	30	30
GAS					
INLET CONNECTION	1/2"	1/2"	1/2"	1/2"	1/2"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" 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	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" 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	50,000	80,000	105,000	150,000	210,000
BTU/HR OUTPUT (HIGH FIRE)	45,000	72,000	97,000	135,000	190,000
BTU/HR OUTPUT (LOW FIRE)	9,000	14,400	19,400	27,000	38,000
ELECTRICAL					
VOLTAGE/HEATER	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24
TOTAL AMPS	0.5	0.5	0.5	1.0	1.2
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1
DIMENSIONS					
HEIGHT	29-1/4"	29-1/4"	29-1/4"	29-1/4"	29-1/4"
WIDTH	18-1/2"	18-1/2"	18-1/2"	18-1/2"	18-1/2"
DEPTH	15-3/4"	15-3/4"	15-3/4"	20-3/4"	25"
SERVICE CLEARANCES					
FRONT	24"	24"	24"	24"	24"
BOTTOM	24"	24"	24"	24"	24"
RIGHT SIDE	0"	0"	0"	0"	0"
LEFT SIDE	24"	24"	24"	24"	24"
TOP	6"	6"	6"	6"	6"
DIRECT VENTING					
SIZE	2"	2"	2"	3"	3"
VENT CATEGORY	IV	IV	IV	IV	IV
VENT MATERIAL	PVC	PVC	PVC	PVC	PVC

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