



RAYTHERM™ MODEL NUMBER IDENTIFICATION GUIDE

(For models produced from 1982 through 1997 only)

 <p>NATL. BD. 175008 CERTIFIED BY RAYPAK, INC. Oxnard, CALIFORNIA</p> <p>MAX W.P. WATER 160 PSI BTUHR INPUT 1,830,000 MFR. SERIAL NO 0010175008 MIN RELIEF VALVE GAP 1.337 LBS/HR HEATING SURFACE 129 SQ. FT MAX WATER TEMP 260 °F</p> <hr/> <p>BTUHR OUTPUT 1,336,600 BTUHR INPUT 1,830,000 MIN INPUT RATE 0 BTUHR GAS NAT MODEL NO H3-1631 CATEGORY I BOILER</p> <p>ACCEPTED FOR USE CITY OF NEW YORK DEPARTMENT OF BUILDINGS HEAR: 497-88-E VOL II</p> <p>ANS Z31 13b-1994 LOW PRESSURE BOILER</p> <p style="font-size: small;">p/n: 909608</p>	<p style="text-align: center;">HOT WATER BOILER FOR INDOOR INSTALLATION ONLY</p> <hr/> <p>MIN. CLEARANCES FROM COMBUSTIBLE CONSTRUCTION</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">RIGHT SIDE</td><td style="width: 50%;">24"</td></tr> <tr><td>LEFT SIDE</td><td>24"</td></tr> <tr><td>BACK</td><td>24"</td></tr> <tr><td>TOP</td><td>24"</td></tr> </table> <p>FOR SERVICING, PROVIDE AT LEAST 24" OF UNOBSTRUCTED CLEARANCE IN FRONT OF UNIT</p> <p>THE BOILER SHALL BE INSTALLED IN A SPACE LARGE IN COMPARISON TO THE SIZE OF THE BOILER</p> <hr/> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">MAX. PERMISSIBLE GAS SUPPLY PRESSURE</td><td style="width: 35%;">NAT</td><td style="width: 35%;">LPG</td></tr> <tr><td></td><td>14" W.C.</td><td>14" W.C.</td></tr> <tr><td>MIN. PERMISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT</td><td>7" W.C.</td><td>12" W.C.</td></tr> <tr><td>MANIFOLD PRESSURE</td><td>4" W.C.</td><td>11" W.C.</td></tr> </table> <p style="text-align: center; font-size: small;">ELECTRICAL RATING 120/24V 60 HZ LESS THAN 12 AMPERES</p> <p>WHEN USED WITH POWER VENT TERMINAL NO 086733 ELECTRICAL RATING WILL BE LESS THAN 20 AMPERES, 120 VAC, 60 HZ</p>	RIGHT SIDE	24"	LEFT SIDE	24"	BACK	24"	TOP	24"	MAX. PERMISSIBLE GAS SUPPLY PRESSURE	NAT	LPG		14" W.C.	14" W.C.	MIN. PERMISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT	7" W.C.	12" W.C.	MANIFOLD PRESSURE	4" W.C.	11" W.C.	<p>FOR INSTALLATION ON NON-COMBUSTIBLE FLOOR ONLY * FOR INSTALLATION ON COMBUSTIBLE FLOORING ONLY WHEN INSTALLED ON SPECIAL BASE PART NUMBER</p> <table style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr><td style="width: 25%;">MODEL 062</td><td style="width: 25%;">PART NO 056233</td><td style="width: 25%;">MODEL 166</td><td style="width: 25%;">PART NO 056237</td></tr> <tr><td>1126</td><td>056234</td><td>1631</td><td>056236</td></tr> <tr><td>1233</td><td>086236</td><td>1826</td><td>086239</td></tr> <tr><td>1336</td><td>056238</td><td></td><td></td></tr> </table> <p style="text-align: center; font-size: x-small;">ALL OPENINGS MUST REMAIN UNOBSTRUCTED BLOCKING OPENINGS WILL DAMAGE UNIT</p> <div style="text-align: center; margin: 10px 0;">  </div> <table style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr><th style="width: 33%;">MODEL</th><th style="width: 33%;">OUTDOOR KIT#</th><th style="width: 33%;">INDOOR KIT#</th></tr> </thead> <tbody> <tr><td style="height: 40px;"></td><td></td><td></td></tr> </tbody> </table>	MODEL 062	PART NO 056233	MODEL 166	PART NO 056237	1126	056234	1631	056236	1233	086236	1826	086239	1336	056238			MODEL	OUTDOOR KIT#	INDOOR KIT#			
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The Model Number, of a Raypak boiler, is found on the Sales Order and the Rating Plate for the Boiler. Each Model number identifies the application, the construction and the function of the boiler and provides a positive means of providing information, both installation and service, and parts in a minimum amount of time. The example, shown opposite, should be used as a guide in using this brochure in identifying your boiler.

DIGIT	CODE DESCRIPTION	EQUIP. AVAIL (1)	MODEL	SIZE (2)	
1	APPLICATION*				
	H	HYD HEAT BLR		0030-4001	
	N	DHW INST BLR		0514-1826	
	P	COM POOL BLR		0514-4001	
	R	DHW 2 TMP BLR		0514-1125	
	W	DHW STOR BLR		0133-4001	
	WH	WATER HEATER		0090-4001	
*Application Code letter may have suffix number for pricing purposes as follows:					
	H1 - Mechanical Modulation	WH1 - On-Off Firing			
	H2 - Motorized Modulation	WH2 - Modulating			
	H3 - Two Stage Firing	WH3 - 2-Stage			
	H4 - On-Off Firing	WH - On-Off Econopak Water Heater			
	H5 - Low Temperature Mechanical Modulation				
	H6 - Motorized Modulation w/Electronic Outdoor Reset B6000				
2,3,4,5	SIZE				
		0030 TO 4001			
6	SERIES				
	A	INITIAL SERIES FOR IDENTIFICATION CODE		0030-4001	
	C	MODULATING GAS VALVE ROBERTSHAW		0133-1826	
7	HEAT EXCHANGER				
	B	BR HDR COPR 2 PAS	S	W	0182-4001
			O	H	0030-4001
	C	CI HDR COPR 2 PAS	S	H	0030-4001
			O	W	0182-4001
	D	BR HDR COPR W/PMP	S	N,R	0514-1826
			O	W	0514-1826
	E	CI HDR COPR W/PMP	O	N,R	0514-1826
			O	W	0514-1826
	F	BR HDR CUNI W/PMP	O	N	0514-1826
	G	CI HDR CUNI W/PMP	O	N	0514-1826
	H	CI HDR COPR 1 PAS	O	H	0926-4001
	J	CI HDR COPR 4 PAS	S	H	0133
	K	BR HDR COPR 4 PAS	S	W	0133
	L	BR HDR CUNI 2 PASS	O	H,W	0182-0400
	N	CI HDR CUNI 2 PASS	O	H,W	0182-0400
8	FUEL PILOT IGNITION				
	A	NAT STD PILT	S	W	0133-0330
	B	PRO STD PILT	O	W	0030-0330
	C	NAT IID PILT	S	HNRW	0400-1826
			S	H	-0330 **
			O	W	0133-0400
	D	PRO IID W/LO	O	HNRW	0133-4001
	E	NAT IID W/LO	S	HW	2100-4001
			O	HNW	0133-1826
	F	NAT C2 SPARK	O	HNRW	0182-4001
	G	NAT IID DMPR	S	H	0133-0260
	H	NAT IRI SPARK	O	HNRW	0514-4001
	J	NAT HSI PILT DMPR	S	H	0030-0180
	K	PRO HSI PILT DMPR	O	H	0030-0180
	L	NAT STD PILOT DMPR	O	H	0180
	M	PRO STD PILOT DMPR	O	H	0135-0180
	N	NAT IID/LO PLT DMPR	O	H	0133-0260
O	PRO IID PLT DMPR	O	H	0133-0260	

**Application for Residential type boiler only.

EXAMPLE

MODEL NO	H - 0 5 1 4 A -	C C A R C A A
DIGIT	1 2 3 4 5 6	7 8 9 10 11 12 13

Boiler configuration designation no longer applies to current models and is not shown on the rating plate.

DESCRIPTION HYD HEAT BOILERS * 0514A * CI HDR COPR 2 PAS *
 NAT IID PILT * MECH MOD * INDOOR * 060 # PRV * ADJ MANL *AGA.

DIGIT	CODE DESCRIPTION	EQUIP. AVAIL. (1)	MODEL	SIZE (2)
9	<u>FIRING MODE</u>			
	A	MECH MOD	S	HNRW 0133-1826
	B	MOTOR MOD	S	H 2100-4001
			O	HNW 0514-1826
	C	2 STG FIR	O	H 0182-4001
			S	H 0135-0330
	D	ON/OFF FIR	S	W 0133-4001
		S	H 0030-0090	
		O	HW 0133-4001	
10	<u>CONSTRUCTION</u>			
	H	OUTDOOR	S	HNRW 0926-1758
	R	INDOOR	S	HNRW 0182-4001
			S	H 0030-0330
	U	INDOOR/OUTDOOR	S	HW 0133
11	<u>PRV GROUP</u>			
	A	030 # PRV	S	H 0030-0330
			O	H 0133-4001
	B	045 # PRV	S	H 0133-0400
			O	H 0514-4001
	C	060 # PRV	S	H 0514-4001
		O	H 0133-0400	
	D	125 # PRV	S	NRW 0133-4001
	E	150 # PRV	O	NRW 0133-4001
12	<u>LIMIT CONTROL</u>			
	A	ADJ MANL	S	HWNR 0182-4001
			S	W2 0133
	B	ADJ AUTO	O	HNRW 0182-2500
			O	W1 0133
			S	H 0030-0330
	C	FXD AUTO	S	H 0133
	D	ADJ AUTO/MANL	S	HW 3001-4001
		O	H 0514-1826	
	E	DUAL AUTO	O	W1 0133-1826
	F	AUTO/DUAL MANL	S	W1 3001-4001
13	<u>CODE CONSTRUCTION</u>			
	A	AGA	S	HNRW 0030-4001
	B	B6000	O	H 0514-4001
	C	CAL CODE	O	HNRW 0133-4001
	D	ILL # 156	O	H 0133-4001
	F	FM	O	HNRW 2500-4001
	G	B5	O	H 0514-4001
	X	SPECIAL	O	HNRW 0133-4001

NOTES:

(1) S- STANDARD; O-OPTIONAL

(2) SIZES FOR SPECIFIC CATEGORIES ARE AS LISTED UNDER APPLICATION, DIGIT 1.

CROSS REFERENCE
STANDARD MODELS

APPLICATION PREV MODEL	NEW MODEL	SIZE	HEAT EXCH	PILOT IGN	FIRING MODE	CONST	PRV	LIMIT	CODE CONST
HEATING									
T									
	H	0030-4001							
		0030-0090	C	J	D	R	A	B	A
		0135-0180	C	J	C	R	A	B	A
		0133-0260	C	G	C	R	A	B	A
		0330	C	A	C	R	B	A	A
		0400	C	C	A	R	B	A	A
		0514-1826	C	C	A	R	C	A	A
		0514-1758	C	C	A	H	C	A	A
		2100-2500	C	E	B	R	C	A	A
		3001-4001	C	E	B	R	C	D	A
Tc (Spec WT)									
	H	182-4001							
		0182-0260	C	G	D	R	B	D	A
		0514-1826	C	C	D	R	C	D	A
		0514-1758	C	C	D	H	C	D	A
		2100-2500	C	E	D	R	C	D	A
		3001-4001	C	E	D	R	C	F	A
Td									
	H	182-1826							
		0182-0330	C	A	E	R	A	A	A
		0400-1826	C	C	E	R	A	A	A
		0514-1758	C	C	E	H	A	A	A
Tx									
	H	514-4001							
		0514-1826	C	C	B	R	C	D	A
		0514-1758	C	C	B	H	C	D	A
		2100-2500	C	E	B	R	C	D	A
		3001-4001	C	E	B	R	C	D	A
HOT WATER SUPPLY									
WT									
	W	133-4001							
		0133	K	A	D	U	D	A	A
		0182-0260	B	A	D	R	D	A	A
		0330-1826	B	C	D	R	D	A	A
		0514-1758	B	C	D	H	D	A	A
		2100-2500	B	E	D	R	D	A	A
		3001-4001	B	E	D	R	D	F	A
THWS									
	W	133-4001							
		0133	K	A	A	U	D	A	A
		0182-0330	B	A	A	R	D	A	A
		0400-1826	B	C	A	R	D	A	A
		0514-1758	B	C	A	H	D	A	A
		2100-2500	B	E	B	R	D	A	A
		3001-4001	B	E	B	R	D	D	A
INSTANTANEOUS									
TIP									
	N	514-1826							
		0514-1826	D	C	A	R	D	A	A
		0514-1758	D	C	A	H	D	A	A
DUAL TEMPERATURE SYSTEM									
TIPR									
	R	514-1125							
		0514-1125	D	C	A	R	D	A	A
		0514-1083	D	C	A	H	D	A	A