

**TRIM AND DESCRIPTION PARKER DIRECT FIRED HOT WATER BOILERS  
POWER GAS, LIGHT OIL OR COMBINATION GAS/LIGHT OIL FIRED**

GAS/OIL FIRED MODEL	GO-528	GO-672	GO-864	GO-1008	GO-1296	GO-1536	GO-1920	GO-2304	GO-2640	GO-3120	GO-3456	GO-4032	GO-5000	GO-6250
GROUP TRIM	AGO			BGO			CGO			DGO			EGO	
BURNER MODEL NO.	CR1-GO-10		CR1-GO-12		CR2-GO-15		CR2-GO-20A	CR2-GO-20B	CR3-GO-20			CR3-GO-20	CR3-GO-25B	CR4-GO-25
TYPE OF FIRING	2-STAGE											MOD.		
GAS INLET SIZE	1"		1-1/4"		1-1/2"		2"					2-1/2"		
STD. ELECT. SERVICE	115/60/1						(2) 230/60/3							
BLOWER MOTOR SIZE	1/3 HP			1/2 HP		3/4 HP	1 HP	1-1/2 HP			3 HP			
SEP. OIL PUMP MOTOR*	1/3 HP				1/3 HP		1/2 HP			3/4 HP				
UV FLAME SAFEGUARD	STD. & FM	RM7897C						RM7840L						
	IRI	RM7840L												

OIL FIRED MODEL	O-432	O-528	O-672	O-864	O-1008	O-1296	O-1536	O-1920	O-2304	O-2640	O-3120	O-3456	O-4032	O-5000	O-6250
GROUP TRIM	AO	BO				CO					DO		EO		
BURNER MODEL NO.	CR1-O				CR2-OA		CR2-OB		CR3-O			CR3-OB	CR4-OA		
TYPE OF FIRING	OFF-ON	2-STAGE										MOD.			
STD. ELECT. SERVICE	115/60/1					230/60/3									
BLOWER MOTOR SIZE	1/3 HP			3/4 HP		1-1/2 HP		2 HP			3 HP	5 HP			
UV FLAME SAFEGUARD	STD. & FM	RM7897A						RM7840L							
	IRI	RM7897A	RM7840L												

GAS FIRED MODEL	G-432	G-528	G-672	G-864	G-1008	G-1296	G-1536	G-1920	G-2304	G-2640	G-3120	G-3456	G-4032	G-5000	G-6250
GROUP TRIM	AG			BG			BG		CG	DG			EG		FG
BURNER MODEL NO.	CR1-G-10			CR1-G-12		CR2-G-15		CR2-G-20A	CR2-G-20B	CR3-G-20			CR3-G-20	CR3-G-25B	CR4-G-25
TYPE OF FIRING	OFF-ON			2-STAGE										MOD.	
GAS INLET SIZE	1"			1-1/4"		1-1/2"		2"					2-1/2"		
STD. ELECT. SERVICE	115/60/1						230/60/3								
BLOWER MOTOR SIZE	1/3 HP			1/2 HP		3/4 HP	1 HP	1-1/2 HP			3 HP				
UV FLAME SAFEGUARD	STD. & FM	RM7897A						RM7840L							
	IRI	RM7897C			RM7840L										

GENERAL SPECIFICATIONS FOR ALTITUDES UP TO 2000 FT. ABOVE SEA LEVEL																
INPUT	BTU/HR	432,000	528,000	672,000	864,000	1,008,000	1,296,000	1,536,000	1,920,000	2,304,000	2,640,000	3,120,000	3,456,000	4,032,000	5,000,000	6,250,000
OUTPUT	BTU/HR	346,000	422,000	538,000	691,000	806,000	1,037,000	1,229,000	1,536,000	1,843,000	2,112,000	2,496,000	2,765,000	3,226,000	4,000,000	5,000,000
INPUT NO. 2 FUEL OIL	US GPH	3	4	5	6	8	9	11	14	16	19	22	25	29	36	44
DIA. CHIMNEY OUTLET	IN.	8	8	10	10	12	12	14	16	16	18	20	20	22	24	26
APPROX. SHIP WGT.	LBS.	1,085	1,535	1,740	1,845	1,950	2,900	3,250	3,625	4,150	4,650	6,780	7,735	9,700	10,400	12,600

Parker complete packaged Direct Fired Hot Water Boiler. Designed with heavy 1-5/16" O.D. steel tubes welded to headers for 125 PSI W.P. Assembled in heavy steel insulated cabinet with pre-cast combustion chamber, power burner with controls mounted and wired. Each unit factory fire tested. Recommended for closed system building or process heating. For specifications and dimensions, see Specification Sheet D-203-5-IV-VI.

\*On Gas/Oil fired models, if separate oil pump motor is deleted, the blower motor size (HP) and electrical is same as comparable Oil Fired model. The low oil pressure switch is then optional.

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<b>CODES:</b>	All models are built in accordance with the ASME Power and Heating Boiler Codes and registered with the National Board of Boiler and Pressure Vessel Inspectors. Boilers operating up to 160 PSI and 250 F are stamped "H". Boilers operating at higher temperatures or pressures are stamped "S". The Standard Power Burner is Listed by Underwriters' Laboratories, Inc. and displays the Listing Label. On Oil Fired Models, all trim and controls are in compliance with UL296. On Gas Fired Models, all trim and controls are in compliance with UL795. Gas/Oil Fired Models are in compliance with both standards.
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<b>GROUP TRIM:</b>	
<b>TRIM STD:</b>	<b>STANDARD ON ALL MODELS:</b> Safety relief valve(s), temperature-pressure gauge, Warrick probe type manual reset low water cutoff, operating and manual reset high limit aquastats. Barometric damper with vertical tee. Pressure atomizing power burner with blower motor and controls, electrical panel with indicator lights, UV flame detection and electronic flame safeguard (as shown on page 1) with prepurge and manual reset. Post-purge furnished with RM7840L Flame Safeguard.

**GAS/OIL FIRED**

<b>TRIM AGO:</b>	<b>STANDARD MODEL GO-528 to GO-1920:</b> Two stage firing with high-low fire control and low fire start. 115V/60HZ/1PH blower motor and separate oil pump motor. Low oil press. switch. Oil line with two stage oil pump and two fuel valves. Gas line with two gas cocks, gas pressure regulator, one positive close motorized gas valve and one secondary gas valve (regulator and secondary gas valve may be combination unit). Spark ignited gas pilot for both fuels and gas pilot line with gas cock, gas pressure regulator and pilot electric gas valve. Air safety switch.
<b>TRIM BGO:</b>	<b>STANDARD MODEL GO-2304:</b> Same as trim AGO except 230V/60HZ/3PH blower motor and separate oil pump motor. Control transformer is furnished for boiler control circuit.
<b>TRIM CGO:</b>	<b>STANDARD MODEL GO-2640 to GO-3456:</b> Same as Trim BGO except add high and low gas pressure switches.
<b>TRIM DGO:</b>	<b>STANDARD MODEL GO-4032 to GO-5000:</b> Same as Trim CGO except modulating firing with modulating control and low fire start in place of two stage firing.
<b>TRIM EGO:</b>	<b>STANDARD MODEL GO-6250:</b> Same as Trim DGO except add proof of valve closure (POC) switch to positive close motorized gas valve.

**OIL FIRED**

<b>TRIM AO:</b>	<b>STANDARD MODEL O-432:</b> Off-on firing. 115V/60HZ/1PH blower motor with integral two stage oil pump. Two safety shutoff oil valves. Direct spark ignition.
<b>TRIM BO:</b>	<b>STANDARD MODEL O-528 to O-1296:</b> Same as trim AO except two stage firing with high-low fire control and low fire start in place of off-on firing.
<b>TRIM CO:</b>	<b>STANDARD MODEL O-1536 to O-2640:</b> Same as trim BO except 230V/60HZ/3PH blower motor. Control transformer is furnished for boiler control circuit.
<b>TRIM DO:</b>	<b>STANDARD MODEL O-3120 to O-3456:</b> Same as trim CO except add air safety switch.
<b>TRIM EO:</b>	<b>STANDARD MODEL O-4032 to O-6250:</b> Same as trim DO except modulating firing with modulating control and low fire start in place of two stage firing.

**GAS FIRED**

<b>TRIM AG:</b>	<b>STANDARD MODEL G-432 to G-672:</b> Off-on firing. 115V/60HZ/1PH blower motor Gas line with two manual gas cocks, gas pressure regulator, one positive close motorized gas valve and one secondary gas valve (regulator and secondary gas valve may be combination unit). Spark ignited gas pilot and gas pilot line with manual gas cock, pilot gas pressure regulator and electric gas valve. Air safety switch.
<b>TRIM BG:</b>	<b>STANDARD MODEL G-864 to G-1920:</b> Same as trim AG except two stage firing with high-low fire control and low fire start in place of off-on firing.
<b>TRIM CG:</b>	<b>STANDARD MODEL G-2304:</b> Same as trim BG except 230V/60HZ/3PH blower motor. Control transformer is furnished for boiler control circuit.
<b>TRIM DG:</b>	<b>STANDARD MODEL G-2640 to G-3456:</b> Same as Trim CG except add high and low gas pressure switches.
<b>TRIM EG:</b>	<b>STANDARD MODEL G-4032 to G-5000:</b> Same as Trim DG except modulating firing with modulating control and low fire start in place of two stage firing.
<b>TRIM FG:</b>	<b>STANDARD MODEL G-6250:</b> Same as Trim EG except add proof of valve closure (POC) switch to positive close motorized gas valve.

**SPECIAL TRIM**

<b>CALIF. CODE</b>	All models require second low water cutoff.
<b>FM TRIM</b>	See page 1 for flame safeguard standards. All Gas and Gas/Oil fired models have high and low gas pressure switches and over 2,500M BTU input two motorized gas valves. All Oil and Gas/Oil fired models have low oil pressure switches.
<b>IRI TRIM</b>	See page 1 for flame safeguard standards. All models except off-on fired have open damper purge. All Gas and Gas/Oil fired models have high and low gas pressure switches, two motorized gas valves and a Normally Open (NO) gas vent valve. All Oil and Gas/Oil fired models have low oil pressure switches. IRI and FM Trim models are subject to approval by local offices. On straight oil fired models consult local IRI or FM office for requirement for gas pilot in place of direct spark ignition.

**FUEL**

<b>NAT. GAS</b>	Gas fired burners are standard for natural gas 950 to 1150 BTU content. Required gas pressure at inlet: Models up to G,GO-3456: Minimum: 7" W.C.; Maximum 14" W.C. Models G,GO-4032 and larger: Minimum: 12" W.C.; Maximum 14" W.C. For lower inlet pressures consult factory. Higher inlet pressures require addition of high gas pressure trim.
<b>NO. 2 OIL</b>	Oil fired burners are standard for No. 2 light fuel oil, approximately 141,000 BTU per gallon, ASTM Specification D-396.
<b>PROPANE</b>	Optional propane fired boilers are furnished for Propane Gas 2500 to 3200 BTU content. Maximum 14" W.C. inlet pressure. Higher inlet pressures require addition of high gas pressure trim.
<b>NOTE:</b>	Ratings are shown for elevations up to 2000 feet above sea level. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level or consult factory for possible larger burner.