

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

INDEX

ACCESSORIES	
ALUMINIZED WITH ALUMINUM REFLECTOR CORE PACKAGE	2-5
HOT ROLL WITH ALUMINUM REFLECTOR EXTENSION PACKAGE	2-6
HOT ROLL WITH ALUMINUM REFLECTOR CORE PACKAGE	2-4
CARIBE® MODEL	2-3
CONVERSION KITS — NATURAL GAS TO PROPANE	2-3
COX GEELEN VENT ACCESSORIES FOR ROOF VENTING OR SIDE WALL VENTING OF CGTH MODELS	2-3
OPTIONAL ACCESSORIES FOR CGTH MODELS	2-3
GORDONRAY® BH MODEL	2-2
CONVERSION KITS — NATURAL GAS TO PROPANE	2-2
PARTS AND COMPONENTS	2-7 – 2-8

May not be available at all branches.

Expert Service. Quality Products. Since 1960.

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

GORDONRAY® BH MODEL

Available in straight "U" or "L" configurations, broad range of inputs and lengths, reflectors can be tilted or side reflectors can be added, option of decorative grille.

Approved as: Indoor (Vented or Unvented)

ITEM #	MODEL	DESCRIPTION
879100	BH-40	40,000 BTU Burner N/G
879102	BH-60	60,000 BTU Burner N/G
879104	BH-80	80,000 BTU Burner N/G
879106	BH-100	100,000 BTU Burner N/G
879107	BH-115	115,000 BTU Burner N/G
879108	BH-125	125,000 BTU Burner N/G
C879000	BH-140	140,000 BTU Burner N/G
879110	BH-150	150,000 BTU Burner N/G
879112	BH-175	175,000 BTU Burner N/G
879114	BH-200	200,000 BTU Burner N/G



CONVERSION KITS — NATURAL GAS TO PROPANE

ITEM #	MODEL	USED FOR
879146	BH040NP	40,000 BTU Burner
879148	BH060NP	60,000 BTU Burner
879150	BH080NP	80,000 BTU Burner
879152	BH100NP	100,000 BTU Burner
879153	BH115NP	105,000 BTU Burner
879154	BH125NP	125,000 BTU Burner
879155	BH140NP	140,000 BTU Burner
879156	BH150NP	150,000 BTU Burner
879158	BH175NP	175,000 BTU Burner
C879000	BH200NP	200,000 BTU Burner

Clearances to Combustibles* (Inches)

MODEL	BH-40		BH-60		BH-80		BH-100		BH-115/125		BH-140/150		BH-175/200	
	HORIZ	45°	HORIZ	45°	HORIZ	45°	HORIZ	45°	HORIZ	45°	HORIZ	45°	HORIZ	45°
A	6	8	6	8	6	8	6	10	6	10	6	12	8	12
B	27	8	35	8	38	8	40	8	46	8	50	8	52	8
C	52	50	62	59	65	65	70	73	76	77	79	83	82	85
D	27	46	35	54	38	60	40	64	46	69	50	74	52	79

*Clearances B, C, D can be reduced by 50% for locations 25 ft. or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the GORDONRAY® BH Installation, Operation and Service Manual.

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

CARIBE® MODEL

Durable welded burner construction, balanced flue, factory-assembled, ceiling mounted, extensive use of corrosion resistant materials and processes.

ITEM #	MODEL	DESCRIPTION
879200	CGTH30N	30,000 BTU Burner N/G
879202	CGTH40N	40,000 BTU Burner N/G
879204	CGTH50N	50,000 BTU Burner N/G



CONVERSION KITS — NATURAL GAS TO PROPANE

ITEM #	MODEL	DESCRIPTION
879132	BHGH040NP	40,000 BTU Burner
879134	BHGH050NP	50,000 BTU Burner

OPTIONAL ACCESSORIES FOR CGTH MODELS

ITEM #	PART #	DESCRIPTION	WEIGHT (LBS)
879719	08037000	Vent Terminal Extension	2
879720	08038000	Elbow Kit, 90° – 3" Diameter (3 pcs.)	3
879722	08039000	Balanced Flue Vent – 5'	19

COX GEELLEN VENT ACCESSORIES FOR ROOF VENTING OR SIDE WALL VENTING OF CGTH MODELS

ITEM #	PART #	DESCRIPTION	WEIGHT (LBS)
879717	08032100	Venting Kit, Roof – Cox Geelen*	24
C879000	08032200	Venting Kit, Wall – Cox Geelen*	9
879802	90506001	Elbow, 90°, Cox Geelen – Concentric 3"/5" (8/12.5 cm) Diameter	2
879804	90506002	Elbow, 45°, Cox Geelen – Concentric 3"/5" (8/12.5 cm) Diameter	2
879806	90506003	Vent – Cox Geelen – Concentric 3"/5" (8/12.5 cm) Diameter, 10" (25 cm) Length	2
879808	90506004	Vent – Cox Geelen – Concentric 3"/5" (8/12.5 cm) Diameter, 20" (50 cm) Length	3
879810	90506005	Vent – Cox Geelen – Concentric 3"/5" (8/12.5 cm) Diameter, 39" (100 cm) Length	6
879812	90506006	Vent – Cox Geelen – Concentric 3"/5" (8/12.5 cm) Diameter, 79" (200 cm) Length	12

*Only the Cox Geelen concentric vent can be used with these kits.

Clearances to Combustibles* (Inches)

MODEL	CGTH-30	CGTH-40	CGTH-50
A	4	4	4
B	16	18	20
C	36	48	48
D	28	30	32
E	34	34	36
F	6	6	6

*For complete installation operation and service criteria, please see the current issue of the CARIBE® Installation, Operation and Service Manual.

– E.&O.E. – All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra – May not be Available at All Branches –

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

ACCESSORIES

HOT ROLL WITH ALUMINUM REFLECTOR CORE PACKAGE:

ITEM #	PKG PART #	PACKAGE CONTENTS	SIZE (')
879300	CP20HRS	1 – Tube, Hot Rolled Steel, 16 ga, 10' – 4" diameter 1 – Burner Tube (60,000 BTU and higher) 1 – Coupling, Plain – Stainless Steel – 4" diameter 3 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 3 – Tube and Reflector Hangers 3 – S-Hooks 2 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	20
879302	CP30HRS	2 – Tubes, Hot Rolled Steel, 16 ga, 10' – 4" diameter 1 – Burner Tube (60,000 BTU and higher) 2 – Couplings, Plain – Stainless Steel – 4" diameter 4 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 4 – Tube and Reflector Hangers 4 – S-Hooks 3 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	30
879304	CP40HRS	3 – Tubes, Hot Rolled Steel, 16 ga, 10' – 4" diameter 1 – Burner Tube (60,000 BTU and higher) 3 – Couplings, Plain – Stainless Steel – 4" diameter 6 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 5 – Tube and Reflector Hangers 5 – S-Hooks 5 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	40

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

ACCESSORIES (cont'd)

ALUMINIZED WITH ALUMINUM REFLECTOR CORE PACKAGE:

ITEM #	PKG PART #	PACKAGE CONTENTS	SIZE (')
879360	CP10ALUM	1 – Burner Tube (40,000 BTU only), Heat Treated 2 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 2 – Tube and Reflector Hangers 2 – S-Hooks 1 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	10
879362	CP20ALUM	1 – Tube, Aluminized, Heat Treated, 16 ga, 10' – 4" diameter 1 – Burner Tube (60,000 BTU and higher) 1 – Coupling, Plain – Stainless Steel – 4" diameter 3 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 3 – Tube and Reflector Hangers 3 – S-Hooks 2 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	20
879364	CP30ALUM	2 – Tubes, Aluminized, Heat Treated, 16 ga, 10' – 4" diameter 1 – Burner Tube (60,000 BTU and higher) 2 – Couplings, Plain – Stainless Steel – 4" diameter 4 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 4 – Tube and Reflector Hangers 4 – S-Hooks 3 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	30
879366	CP40ALUM	3 – Tubes, Aluminized, Heat Treated, 16 ga, 10' – 4" diameter 1 – Burner Tube (60,000 BTU and higher) 3 – Couplings, Plain – Stainless Steel – 4" diameter 6 – Reflectors, Aluminum 2 – Reflector End Caps, Aluminum 5 – Tube and Reflector Hangers 5 – S-Hooks 5 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package 1 – Flue Adapter – 4" diameter 1 – Tube Clamp Package (includes clamps, nut, washer, bolt)	40

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

ACCESSORIES (cont'd)

HOT ROLL WITH ALUMINUM REFLECTOR EXTENSION PACKAGE:

ITEM #	PKG PART #	PACKAGE CONTENTS	SIZE (')
879460	EXP10HRS	1 – Tube, Hot Rolled Steel, 16 ga, 10' – 4" diameter 1 – Coupling, Plain – Stainless Steel – 4" diameter 2 – Reflectors, Aluminum 1 – Tube and Reflector Hanger 1 – S-Hook 2 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package	10
879462	EXP20HRS	2 – Tubes, Hot Rolled Steel, 16 ga, 10' – 4" diameter 2 – Couplings, Plain – Stainless Steel – 4" diameter 3 – Reflectors, Aluminum 2 – Tube and Reflector Hangers 2 – S-Hooks 4 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package	20
879464	EXP30HRS	3 – Tubes, Hot Rolled Steel, 16 ga, 10' – 4" diameter 3 – Couplings, Plain – Stainless Steel – 4" diameter 4 – Reflectors, Aluminum 3 – Tube and Reflector Hangers 3 – S-Hooks 5 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package	30
879466	EXP40HRS	4 – Tubes, Hot Rolled Steel, 16 ga, 10' – 4" diameter 4 – Couplings, Plain – Stainless Steel – 4" diameter 6 – Reflectors, Aluminum 4 – Tube and Reflector Hangers 4 – S-Hooks 7 – Reflector Support Packages (includes strap, wire form, screws) 1 – U-Clip Package	40

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

PARTS AND COMPONENTS

ITEM #	MODEL	DESCRIPTION
879598	01312401	Filter Cartridge (1) with Gasket Set
879600	01312700	Coupling, Plain – Stainless Steel – 4" Diameter
879602	01313701	Pilot Switch
879609	01316601K	Spark Generator Kit – CRV A, 4-40, 5-40, 75, 75A
879610	01318901	Tube Clamp Package – Includes Clamps, Nut, Washer, Bolt
879612	01320200	Spark Plug Package
879615	01329910	Reflector Side Extension Bracket
879620	01330000	Pilot Shield Assembly
879628	01357000	Flat Brass Washer
879632	01367800	Gasket – Burner to Combustion Chamber
879634	01397501	Lower Clearance Shield Package
879648	02510801	Pilot Switch – 75, 75A
879650	02537801-1P	Vent Terminal, 14" Length – 1
879651	02558501	Gasket – Electrode
879652	02568200	Gasket – Burner to Transition Tube
879674	02712700	Reflector Side Extension (Includes clips and sheet metal screws)
879676	02713200	Electrode Replacement
879680	02718702	Elbow Package, Aluminized, 90° – 4" Diameter
879683	02750303	Reflector – Aluminum
879696	02750800	Reflector End Cap – Aluminum
879688	03011000	U-Tube Package – 4" Diameter – for 20, 40, 60, 80 ft. lengths
879686	03050010	Reflector Support Package – Strap, Wire Form, Screws
879685	03051101	Burner Tube, Non-heat Treated
879692	03051503	Turbulator Adapter Piece
879694	03051504	Turbulator 2.5 ft. Section Piece
879690	03090100	Tube and Reflector Hanger
879702	05220000	Fan Package 40-150
879724	08090001	Reflector – 120"
879739	90031200	Gas Valve – Natural
879740	90032500	Gas Valve – Natural – CTH2 Before 11/98
879742	90032502	Gas Valve – Natural – CTH2 Before 11/98, BH
879816	90033105K	Gas Valve – Natural
879745	90033700K	Gas Valve Kit, HW VR8305 NG (includes Spring Kit for LP Conversion)
879743	90034500	Gas Valve – Natural
879737	90068300	SmartValve® II – Natural Gas – CTH2 after 11/98
879774	90709700-P	Motor/Blower Assembly – BH
879744	90427400	Electrode Assembly
879748	90427403	Electrode Assembly
879749	90427706	Ignition Cable
879755	90434007	Ignition Control Module – Dual – TF
879751	90434009A	Ignition Module (used on CGTH before 12/10)
879754	90434009K	Ignition Module Kit, Direct Spark (used on CGTH after 12/1/10)
879758	90436500	Ignition Module – HSI – CTH2 before 11/98
879760	90436600K	Igniter Replacement Kit – HSI – CTH2 before 11/98

(cont'd on next page)

– E.&O.E. – All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra – May not be Available at All Branches –

ROBERTS GORDON INFRARED HEATERS

www.robertsgordon.com

PARTS AND COMPONENTS (cont'd)

ITEM #	MODEL	DESCRIPTION
879761	90436603K	Igniter with Harness – HSI – CTH2 after 11/98
879762	90436900K	Transformer – 20VA
879763	90437200	Thermostat – Moisture Resistant – TF115, 120V
879786	90439101K	Igniter – Primary – CGTH
879788	90439300	Flame Sensor – CTH2 – after 11/98, HE, CGTH
879790	90439500K	Ignition Module – Triton – 3 – Try with Universal Connector
879759	90439801K	Pressure Switch
879764	90439802K	Pressure Switch – For models CTH2-175, HE-175, BH-115, BH-140, BH-175, CTHN-175, CTHN-200, CTH3-80 (Dec/2000 to Present) For models CTH2-150, CTH2-175, HE-150, HE-175, BH-150, BH-175, BH-200 (Prior to Dec/2000) and CGTH-50
879796	90439803K	Pressure Switch – For models CTH2-100, HE-100, BH-150, CTHN-40, CTHN-80, CTH3-200 (Dec/2000 to Present) For models CTH2-60, CTH2-80, CTH2-100, CTH2-125, HE-60, HE-80, HE-100, HE-125, BH-80, BH-100, BH-125 (Prior to Dec/2000) and CGTH-30, CGTH-40 (Prior to Aug/1998)
879765	90439804K	Pressure Switch – For models CGTH-40 (Sept/1998 to Present)
879766	90439805K	Pressure Switch – For models CTH2-40, CTH2-60, CTH2-125, HE-40, HE-60, HE-125, BH-60, BH-80, BH-100, BH-125 (Dec/2000 to Present)
879769	90439806K	Pressure Switch – For models CGTH-30 (Sept/1998 to Present)
879814	90439810K	Pressure Switch Kit
879820	90439812K	Pressure Switch Kit
879767	90502700	Flue Adapter – 4"
879770	90708600-P	Motor/Blower Assembly CTH2, HE
879772	90708601-P	Motor/Blower – GTH package
879818	90708602-P	Blower Package
879776	90710201-P	Motor/Blower Assembly – CGTH Retrofit Package
879775	90709801	Gasket – Blower Outlet
879777	91107720	U-Clip – Package of 20
879778	91313100	Spark Plug
879782	91409300	Tube – Hot Rolled Steel – 16 ga – 10' – 4" Diameter
879783	91412206	Gas Hose – 1/2" Rubber (Type 1)
879784	91412207	Gas Hose – 3/4" Rubber (Type 1)
879780	91412800	Flexible Boot – 4"
879470	EXP10ALUM	Tube Reflector
879715	08031001	Vent Termination Assembly 10"
879716	08031500	Flue Collar Assembly
879723	08090000	Reflector 80"

– E.&O.E. – All Prices F.O.B. Our Warehouse – Subject to Change Without Notice – All Taxes Extra – May not be Available at All Branches –