

# UH & FA Series

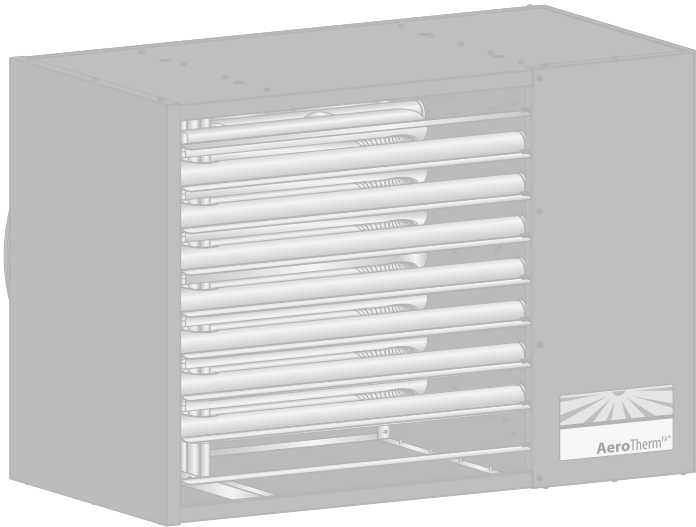
## Packing List

Heaters & Accessories

Effective 09-01-15

mm-dd-yy

All orders are subject to acceptance by Brant Radiant Heaters Limited, Paris, Ontario at prices in effect at date of shipment. All prices are F.O.B. Paris, Ontario. All Province, Federal, or Municipal taxes in effect at the time of shipment or imposed at any future time on our products shall be the responsibility of the customer. We reserve the right to change specifications on our products without prior notice to the customer.



### Gas-Fired, Single Stage, Tubular Exchanger, Induced Draft, Hot Air Heaters

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Replacement parts information is available online at [www.reverberray.com/parts](http://www.reverberray.com/parts) and in the product manual.

The following key symbols (found within) designate the following:

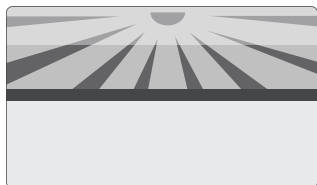
SYMBOL	DESCRIPTION
<u>Underlined Item</u>	New item or price, from prior accessory guide, or heater price sheet.
Part No. in <b>BOLD</b>	An item that has further technical information available, ex.: spec sheet, instructions, etc.
†	Non stock item. Lead times and extra shipping charges may apply.

**Shipping Weight Notation:** Shipping weight is shown for each item.

The per item weight will typically be less when packaging multiple items on one order.

**Note:** Add-ons must be ordered as a separate line item and tagged to the appropriate heater.

# UH Series



Commercial and residential, gas-fired, induced draft, hot air heaters. Features tubular heat exchangers with in-shot burners, a low profile design with durable powder-coated black enamel, finger-proof fan guards, and integrated mounting brackets. \*Base model is natural gas, add appropriate conversion kit as a separate line item. Approved separated combustion can be field converted to power vented without additional parts or costs.



## UH SERIES HEATERS [UF]

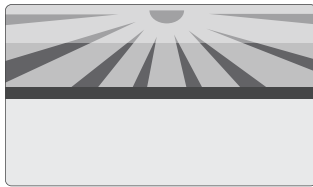
Qty.	Model No.	BTU/h		Gas Type	Volts	Motor HP	Fan Dia.	Inlet & Vent Connection	Gas Connection	Typical Mounting Heights	Ship Weight	Ship Box Dims.	List \$
		Input	Output										
	UH-30	30,000	24,000	Natural or LP	120 VAC	1/15	10 in.	3" O.D.	1/2 in. NPT	8 to 12 Ft.	77 Lbs.	14" W 29" D 27" H	
	UH-45	45,000	36,000	Natural or LP	120 VAC	1/15	10 in.	3" O.D.	1/2 in. NPT	8 to 14 Ft.	77 Lbs.	14" W 29" D 27" H	
	UH-60	60,000	48,000	Natural or LP	120 VAC	1/12	14 in.	4" O.D.	1/2 in. NPT	10 to 16 Ft.	98 Lbs.	19" W 29" D 27" H	
	UH-75	75,000	60,000	Natural or LP	120 VAC	1/12	14 in.	4" O.D.	1/2 in. NPT	10 to 18 Ft.	98 Lbs.	19" W 29" D 27" H	

## UH SERIES FIELD CONVERSION KITS [UF]

MODEL	NG TO LP	HIGH ALTITUDE 1 2,001 - 4,500 MSL		HIGH ALTITUDE 2 4,501 - 7,000 MSL		HIGH ALTITUDE 3 7,001 - 9,500 MSL		LIST \$
UH-30N MSL TO 2000'	CKP-57_2	NG	HKN-50_2	NG	HKN-51_2	NG	HKN-52_2	
		LP	HKP-59_2	LP	HKP-60_2	LP	HKP-62_2	
UH-45N MSL TO 2000'	CKP-57_3	NG	HKN-50_3	NG	HKN-51_3	NG	HKN-52_3	
		LP	HKP-59_3	LP	HKP-60_3	LP	HKP-62_3	
UH-60N MSL TO 2000'	CKP-57_4	NG	HKN-50_4	NG	HKN-51_4	NG	HKN-52_4	
		LP	HKP-59_4	LP	HKP-60_4	LP	HKP-62_4	
UH-75N MSL TO 2000'	CKP-57_5	NG	HKN-50_5	NG	HKN-51_5	NG	HKN-52_5	
		LP	HKP-59_5	LP	HKP-60_5	LP	HKP-62_5	

\* All UH Models are supplied standard as separated combustion and ready for field conversion to power vented.

# FA Series



Commercial, gas-fired, induced draft, high output, hot air heaters. Quality construction features such as tubular heat exchangers with in-shot burners, low profile design with durable powder-coated black enamel, protected fan guards, and a swept-wing impeller for low noise and improved efficiency. \*Base model is natural gas - for propane, add appropriate conversion kit as a separate line item. Approved separated combustion can be field converted to power vented without additional parts or costs.

## FA SERIES HEATERS [UF]

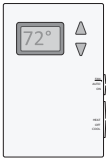



Qty.	Model No.	BTU/h		Gas Type	Volts	Motor HP	Fan Dia.	Inlet & Vent Connection	Gas Connection	Typical Mounting Heights	Ship Weight	Ship Box Dims.	List \$
	FA-100	100,000	80,000	Natural or LP	120 VAC	1/8	18 in.	4" O.D.	1/2 in. NPT	12-14 Ft.	143 Lbs.	31" W 50" D 36" H	
	FA-125	125,000	100,000	Natural or LP	120 VAC	1/6	18 in.	4" O.D.	1/2 in. NPT	14-16 Ft.	143 Lbs.	31" W 50" D 36" H	
	FA-150	150,000	120,000	Natural or LP	120 VAC	1/3	22 in.	6" O.D.	1/2 in. NPT	14-16 Ft.	195 Lbs.	29" W 43" D 36" H	
	FA-175	175,000	140,000	Natural or LP	120 VAC	1/3	22 in.	6" O.D.	1/2 in. NPT	15-17 Ft.	195 Lbs.	29" W 43" D 36" H	
	FA-200	200,000	160,000	Natural or LP	120 VAC	1/3	22 in.	6" O.D.	1/2 in. NPT	15-17 Ft.	195 Lbs.	29" W 43" D 36" H	
	FA-225	225,000	180,000	Natural or LP	120 VAC	1/3	22 in.	6" O.D.	3/4 in. NPT	16-18 Ft.	212 Lbs.	34" W 43" D 36" H	
	FA-250	250,000	200,000	Natural or LP	120 VAC	1/3	22 in.	6" O.D.	3/4 in. NPT	16-18 Ft.	212 Lbs.	34" W 43" D 36" H	





## FA SERIES FIELD CONVERSION KITS [UF]

MODEL	NG TO LP	HIGH ALTITUDE 1 2,001 - 4,500 MSL		HIGH ALTITUDE 2 4,501 - 7,000 MSL		HIGH ALTITUDE 3 7,001 - 9,500 MSL		List \$
FA-100N MSL to 2000'	CKP_54_4	NG	HKN-43_4	NG	HKN-44_4	NG	HKN-45_4	
		LP	HKP-55_4	LP	HKP-55_4	LP	HKP-56_4	
FA-125N MSL to 2000'	CKP_54_5	NG	HKN-43_5	NG	HKN-44_5	NG	HKN-45_5	
		LP	HKP-55_5	LP	HKP-55_5	LP	HKP-56_5	
FA-150N MSL to 2000'	CKP_54_6	NG	HKN-43_6	NG	HKN-44_6	NG	HKN-45_6	
		LP	HKP-55_6	LP	HKP-55_6	LP	HKP-56_6	
FA-175N MSL to 2000'	CKP_54_7	NG	HKN-43_7	NG	HKN-44_7	NG	HKN-45_7	
		LP	HKP-55_7	LP	HKP-55_7	LP	HKP-56_7	
FA-200N MSL to 2000'	CKP_1.45_7	NG	HKN-41_7	NG	HKN-43_7	NG	HKN-44_7	
		LP	HKP-54_7	LP	HKP-54_7	LP	HKP-55_7	
FA-225N MSL to 2000'	CKP_54_9	NG	HKN-43_9	NG	HKN-44_9	NG	HKN-45_9	
		LP	HKP-55_9	LP	HKP-55_9	LP	HKP-56_9	
FA-250N MSL to 2000'	CKP_1.45_9	NG	HKN-42_9	NG	HKN-42_9	NG	HKN-43_9	
		LP	HKP-54_9	LP	HKP-54_9	LP	HKP-55_9	










\* All FA Models are supplied standard as separated combustion and ready for field conversion to power vented.





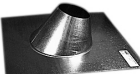





# THERMOSTAT CONTROLS [TBAC]

PART NO.	DESCRIPTION	LIST \$
 <b>TH-PSD</b>	LuxPro 24V non-programmable thermostat. 45°-90°F range. Single stage operation. 1.5 amp @ 24V AC. Features include °C/°F display and large illuminated display.	
 <b>TH-1F78</b>	24V Advanced programmable heat /cool digital T-Stat. 5-2 (4-Period) operation. 45°-90°F Range. Single stage operations. White color & LCD display. Covers wall marks left by most mechanical thermostats without the need for an extra wall plate.	
 <b>TH-BR52</b>	Braeburn two-stage or single-stage thermostat with flexible programming for residential and commercial applications. 7 Day, 5-2 Day or Non-Programmable. 45°-90°F control range. Indoor or outdoor remote sensing capable. Multi-Level keypad lockout. Bright blue backlight. Hardwire or battery powered. Meets California Title 24 guidelines.	
 <b>RS-BR53</b>	Indoor sensor for use with TH-BR52 thermostat. Mounts up to 200 ft. away. Sense Range of 40°-99°F depending on thermostat. Contemporary design for any decor.	


PART NO.	DESCRIPTION	LIST \$
 <b>TH-ET5</b>	Columbus Electric thermostat. 35° to 75°F range. White plastic cover, 125-277 VAC, 22.0 amps. May be used to switch either 24V, 120V or 220V. Consult amp rating of unit for proper sizing.	
 <b>TH-115</b>	Thermostat with rain tight enclosure and 40° to 100°F range. Rugged weatherproof control for use in agricultural, industrial and commercial environments with heavy moisture atmospheres. 16.0 FLA, 25.0 amps resistive at 120V. NEMA 4X rated. Can be used with 24-277 VAC. Consult amp rating of unit for proper sizing.	
 <b>TH-115-60B</b>	Thermostat with rain tight enclosure and 0° to 120°F range. A 60" stainless steel sensing bulb for remote sensing is attached. Ideal for rugged, weatherproof control in outdoor or freeze protection applications. 16.0 FLA, 25.0 amps resistive at 120V. NEMA 4X rated. Can be used with 24-277 VAC. Consult amp rating of unit for proper sizing.	
 <b>TH-1F86WF</b>	24V Wi-Fi thermostat with remote access from smartphone, tablet or PC. Adjust the temperature with just a touch, from anywhere, when connected to a Wi-Fi network. Single stage or two stage control. Hardwire or battery powered. Temperature range 45°-99°.	

### 3" VENT ACCESSORIES (30,000 & 45,000 UH SERIES ONLY) [TBAC]

PART NO.	DESCRIPTION	LIST \$
DB-4X3	4" to 3" vent pipe adapter.	
 DB-209	3 in. x 18 in. doublewall B-vent. Used for penetrations through combustible walls or roofs while venting 3 in. models.	
 DB-210	3 in. wall thimble. Used in conjunction with B-vent for penetrations through combustible walls and/or roofs.	
 DB-VE	3 in., 90° vent elbow. 26 gauge galvanized steel, 3 in. O.D. allows for connection of vent pipe to roof vent packages. One end is crimped. DB-VE may not be substituted for DB-E6.	
 DB-211	3 in. Simpson Duravent B to C adapter. This union is used to join C-vent with B-vent.	
 DB-208	3 in. Simpson Duravent vent cap. Used for sidewall venting of the 3 in. Series models. Diameter is 7-3/4 in.	
 ATIS	Help keep vent from touching insulation using a 3 in. attic insulation shield. Includes a collar to help prevent the entrance of insulation into the cylinder.	
 VT-3	3 in. vent tee with clean out. 26 gauge galvanized steel vent pipe construction. For venting with clean out requirements.	
 CVK-3	Concentric Vent Kit for use when venting and combustion air is desired through a single wall or roof penetration. Use on 30 and 45 MBH 3" vent models. This kit can be used for both roof and wall penetrations.	
 DB-DSK	3 in. vent package. Complete sidewall venting kit for lengths up to 12 feet. Includes: 1)DB-208, 1)DB-209, 1)DB-210, 1)DB-211, 3)DB-213 and 1)RTV-106 sealant. 30 in. assembled length.	

PART NO.	DESCRIPTION	LIST \$
 DB-213	3 in. x 2 ft. single wall C-vent. 26 gauge galvanized steel. Commonly referred to as "smoke pipe". Not to be used for penetrations through a combustible wall or roof.	
 DB-BVP	3 in. x 60 in. doublewall B-vent. Used for penetrations through combustible walls or roofs while venting 3 in. models.	
 DB-FS	3 in. rooftop firestop spacer. For use with 3 in. venting through the ceiling. 8 in. x 8 in. square. Galvanized steel construction.	
 DB-SC	3 in. storm collar. For use with 3 in. venting through the roof. Prevents rain from entering flashing. Galvanized steel construction.	
 DB-ARF	3 in. adjustable rooftop flashing. For use with 3 in. venting through the roof. Adjustable angle of flat to 6/12 pitch. Galvanized steel construction.	
 DB-RVC	3 in. rooftop vent cap. All aluminum construction. For use on vertical rooftop vent applications only. Diameter is 7-1/4 in.	
 BVT-3	3 in. double-wall B-vent tee with clean out. For venting with clean out requirements.	
 BVE-3	3 in., 90° double-wall B-vent elbow. 3 in. O.D. allows for connection of vent pipe to roof vent packages.	
 BVEX-3	3 in. x 12 in. double-wall B-vent extender. Use to add length to a straight length of B-vent. 12" adds 3" to 10" of length. Requires a 2" overlap.	
 DB-RTVP	3 in. rooftop vent/intake package. Complete kit for vertical venting through roof. Includes: DB-211, DB-RVC, DB-FS, DB-ARF, DB-SC, DB-VE and RTV-106 sealant. <b>NOTE:</b> B or C vent pipe material is not included.	











### 3" COMMON ACCESSORIES [TBAC]




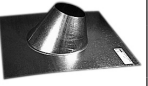





PART NO.	DESCRIPTION	LIST \$
 DB-YSM	Dual exhaust assembly, "Y" shaped, 26 gauge galvanized steel, 3 in. O.D. x 4 in. O.D. x 3 in. O.D. Units connect at a 90° angle to the 3 in. leg. 4 in. vent connection is crimped for ease of vent hook-up. Adjustable elbows are not included.	

PART NO.	DESCRIPTION	LIST \$


Consult local codes when venting


## 4" VENT ACCESSORIES (60,000 - 125,000 MODELS) [TBAC]

PART NO.	DESCRIPTION	LIST \$
 WT-4	4 in. wall thimble. Protection for venting through a sidewall application. Measures 8.5 in. outer diameter, 6.5 in. inner diameter. Adjustable 4 in. to 6 in. depth.	
 DHC-4	4 in. Simpson Duravent B-C adapter for connecting vent pieces.	
 18BV-4	4 in. doublewall B-vent. Used for penetrating through combustible wall and/or roofs. 18 in. long.	
 BVP-4	4 in. doublewall B-vent. Used for penetrating through combustible wall and/or roofs. 60 in. long.	
 BVT-4	4 in. double-wall B-vent tee with clean out. For venting with clean out requirements.	
 BVE-4	4 in., 90° double-wall B-vent elbow. 4 in. O.D. allows for connection of vent pipe to roof vent packages.	
 BVEX-4	4 in. x 12 in. double-wall B-vent extender. Use to add length to a straight length of B-vent. Adds 3" to 10" of length. Requires a 2" overlap.	
 ATIS	Help keep vent from touching insulation using a 4 in. attic insulation shield. Includes a collar to help prevent the entrance of insulation into the cylinder.	
 CVK-4	Concentric Vent Kit for use when venting and combustion air is desired through a single wall or roof penetration. Use on 60 through 125 MBH 4" vent models. This kit can be used for both roof and wall penetrations. <b>NOTE:</b> B-vent pipe must be ordered separately.	
 4-DSK	4 in. Simpson Duravent sidewall vent kit with all items for sidewall venting. Includes: SWD-4, WT-4, 18BV-4, DHC-4. No vent pipe material is included. 29 in. long when fully assembled.	

PART NO.	DESCRIPTION	LIST \$
 VE-4	4 in. 90° vent elbow. 26 gauge galvanized steel, 4 in. O.D. allows for connection of vent pipe. One end is crimped.	
 VT-4	4 in. vent tee with 4 in. clean out. 26 gauge galvanized steel vent pipe construction. For venting with clean out requirements.	
 FS-4	4 in. rooftop firestop spacer. For use with 4 in. venting through the ceiling. 8 in. x 8 in. square, galvanized steel construction.	
 ARF-4	4 in. adjustable rooftop flashing. For use with 4 in. venting through the roof. Galvanized steel. Adjustable angle of flat to 6/12 pitch.	
 SC-4	4 in. storm collar. For use with 4 in. venting through the roof. Galvanized steel. Prevents rain from entering flashing.	
 RRF	Rubber roof flashing for contoured or deck style roofs. Can be used with pipe diameters from 4.25 in. to 7.5 in.	
 RVC-4	4 in. Simpson Duravent rooftop vent cap. All aluminum construction. For use on vertical rooftop vent applications only. For use on air intake or vent exhaust. Diameter is 8 in.	
 SWD-4	Simpson Duravent sidewall vent cap. All aluminum construction. Diameter is 8-3/4 in. Suitable for sidewall air intake.	
 RTVP-4	4 in. rooftop vent/intake package. Complete kit for vertical venting through the roof. Includes: RVC-4, DHC-4, FS-4, ARF-4, and SC-4, VE-4, RTV-106 sealant VT-4. <b>NOTE:</b> B-vent pipe must be ordered separately.	










## 4" COMMON VENTING ACCESSORIES [TBAC]




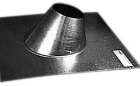





PART NO.	DESCRIPTION	LIST \$
 YSM	Dual exhaust assembly, Y-shaped, 26 gauge galvanized steel with baffle. 4 in. O.D. x 6 in. O.D. x 4 in. O.D. Adjustable elbows are not included. For use when common venting two heaters. Dimensions - 14 in. left-right, 13 in. high.	

PART NO.	DESCRIPTION	LIST \$
 RTSM	Dual exhaust assembly, 26 gauge galvanized steel, 4 in. O.D. x 6 in. O.D. x 4 in. O.D. One 4 in. unit connection at 45° angle to vertical stack, other 4 in. unit connection straight to 6 in. common/vertical stack. 6 in. vent connection is crimped for ease of vent hook-up. Two adjustable elbows included to ease installation.	

Consult local codes when venting

## 6" VENT ACCESSORIES (150,000 - 250,000 MODELS) [TBAC]

PART NO.	DESCRIPTION	LIST \$
 WT-6	6 in. wall thimble. Protection for venting through a sidewall application.	
 DHC-6	6 in. Simpson DuraVent connector. B-C adapter for connecting C-vent to B-vent.	
 18BV-6	6 in. double wall B-vent. Used for penetrating through combustible wall/roofs. 18 in. long.	
 BVP-6	6 in. double wall B-vent. Used for penetrating through combustible wall and/or roofs. 60 in. long.	
 BVT-6	6 in. double-wall B-vent tee with clean out. For venting with clean out requirements.	
 BVE-6	6 in., 90° double-wall B-vent elbow. 6 in. O.D. allows for connection of vent pipe to roof vent packages.	
 BVEX-6	6 in. x 12 in. double-wall B-vent extender. Use to add length to a straight length of B-vent. 12" adds 3" to 10" of length. Requires a 2" overlap.	
 CVK-6	Concentric Vent Kit for use when venting and combustion air is desired through a single wall or roof penetration. Use on 150 through 250 MBH 6" models. This kit can be used for both roof and wall penetrations.	
 6-DSK	6 in. Simpson DuraVent sidewall vent kit with all items for sidewall venting. Includes: SWD-6, WT-6, 18BV-6, DHC-6. No vent pipe material is included. 30 in. long when fully assembled.	

PART NO.	DESCRIPTION	LIST \$
 VE-6	6 in. 90° vent elbow. 26 gauge galvanized steel, 6 in. O.D. allows for connection of vent pipe. One end is crimped.	
 VT-6	6 in. vent tee with a 6 in. clean out. 26 gauge galvanized steel vent pipe construction. For venting with clean out requirements.	
 FS-6	6 in. rooftop firestop spacer. For use with 6 in. venting through the ceiling. 8 in. x 8 in. square. Galvanized steel construction.	
 ARF-6	6 in. adjustable rooftop flashing. For use with 6 in. venting through the roof. Adjustable angle of flat to 6/12 pitch. Galvanized steel construction.	
 SC-6	6 in. storm collar. For use with 6 in. venting through the roof. Prevents rain from entering flashing. Galvanized steel construction.	
 RRF	Rubber roof flashing for contoured or deck style roofs. Can be used with pipe diameters from 4.25 in. to 7.5 in.	
 SWD-6	Simpson DuraVent sidewall vent cap. All aluminum construction. Suitable for sidewall air intake.	
 RVC-6	6 in. rooftop vent cap. All aluminum construction. For use on vertical rooftop vent applications only. Diameter is 11.5 in.	
 RTVP-6	6 in. rooftop vent package. Complete kit for vertical venting through the roof. Includes: RVC-6, DHC-6, FS-6, ARF-6, and SC-6, VE-6 RTV-106 sealant VT-6. No vent pipe or B-vent material is included.	

## LIMITED WARRANTY GUIDELINES AND OPTIONS [NET]

All limited warranties, are defined in the product insert manual for the particular series of heaters. Please contact the factory for further information on the terms and conditions.

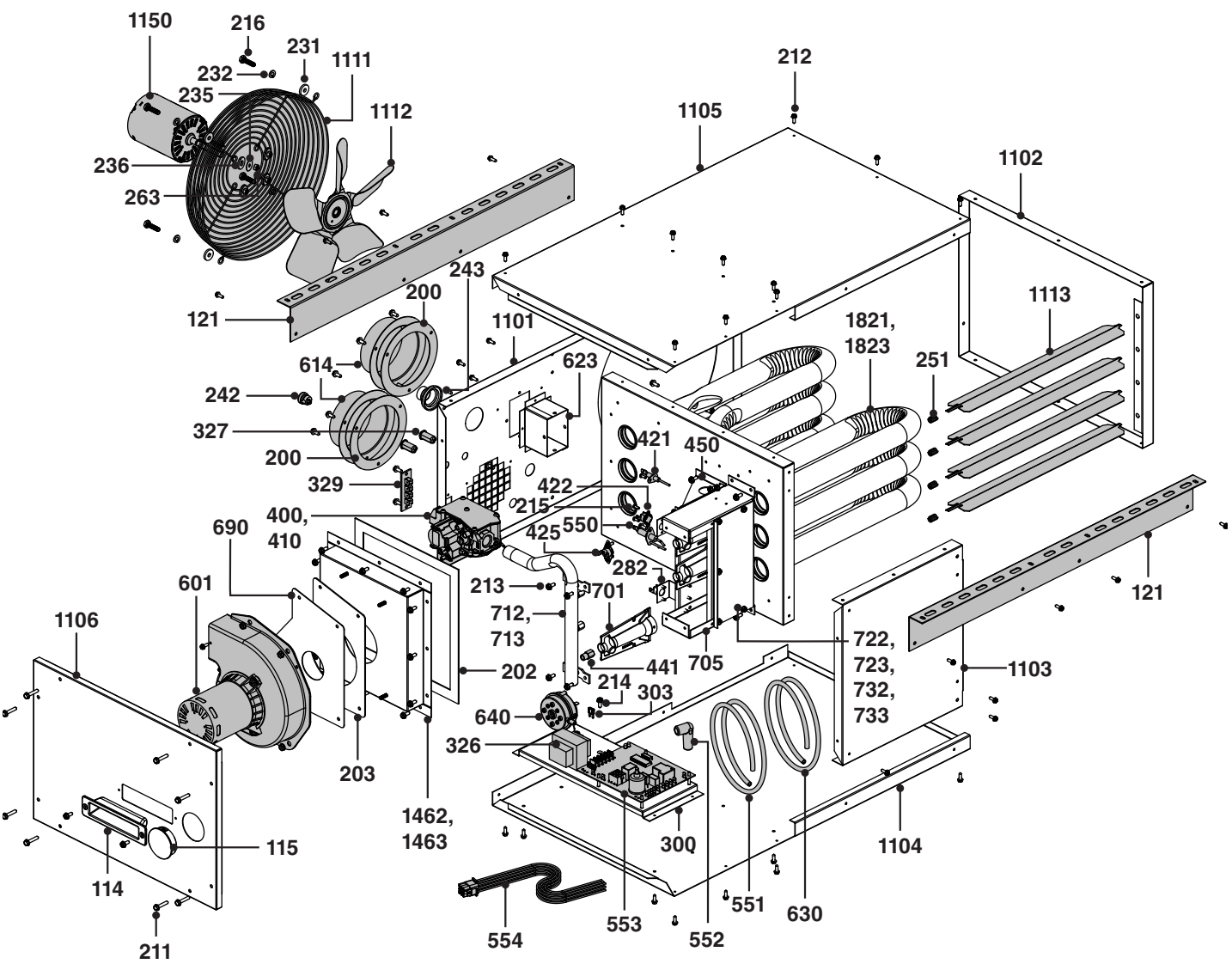
STANDARD WARRANTY	COMPONENTS	EXCHANGERS	BURNER(S)
UH Series	1 YEAR	5 YEARS	10 YEARS
FA Series	1 YEAR	5 YEARS	10 YEARS

EXTENDED WARRANTY OPTIONS <sup>4</sup>	
CWO	Control Extended Warranty Option. (Max. 4 year extension). \$51.00 (net) per year, per heater.

<sup>4</sup> Prior approval from the factory is required when quoting extended warranties.

Consult local codes when venting

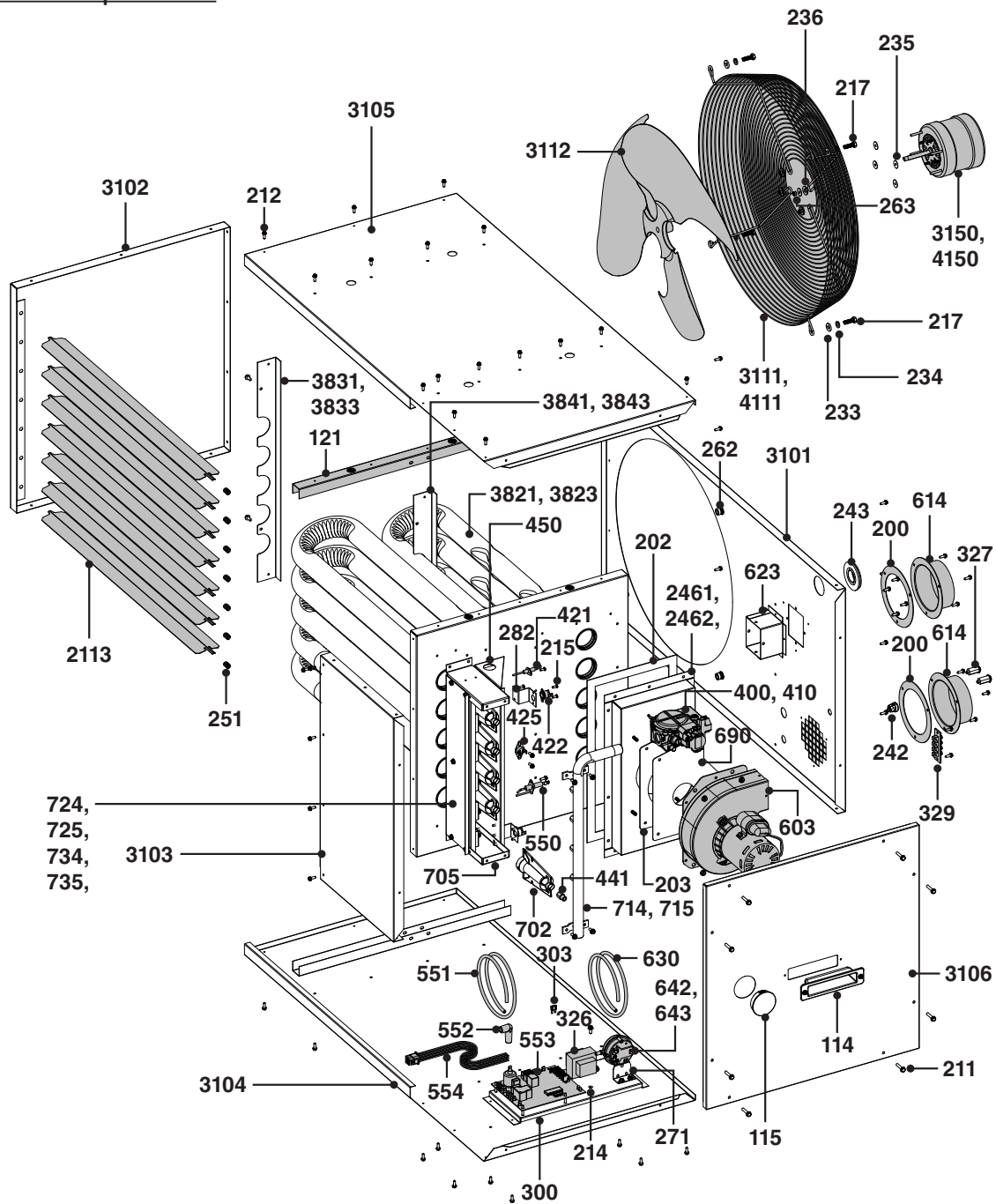
UH Series Components



UH Series Replacment Parts

Part #	Descriptions	List \$	Part #	Descriptions	List \$
UF-121	Mounting Rail (Qty.2)		UF-550	Spark Igniter	
UF-242	Strain Relief Bushing, Cordgrip		UF-551	Spark Igniter Wire	
UF-282	Limit Switch		UF-552	Spark Igniter Boot	
UF-326	40 VA Transformer, 120/24		UF-553	Ignition Control circuit Board	
UF-327	Indicator Light, 24VAC		UF-601	Inducer Motor Assembly, Small	
UF-329	Terminal Strip		UF-614	4" Vent Collar (Qty.2)	
UF-400	1/2" Gas Valve - Natural Gas		UF-640	Pressure Switch, .65" WC	
UF-410	1/2" Gas Valve - Propane Gas		UF-1111	10" Fan Guard, Square Pattern	
UF-421	Flame Sensor		UF-1112	10" Axial Fan Blade, 3/8" Hub	
UF-422	Limit Switch, Flame Rollout		UF-1113	Louver	
UF-425	Limit Switch, Tube Temperature		UF-1150	Axial Fan Motor, 1/15 HP, 1550 RPM	
UF-441	Gas Orifice (Indicate Size)				

## FA Series Components



### FA Series Replacment Parts

Part #	Descriptions	List \$	Part #	Descriptions	List \$
UF-550	Spark Igniter		UF-121	Mounting Rail	
UF-551	Spark Igniter Wire		UF-201	6" Vent Collar Gasket (Qty.2)	
UF-552	Spark Igniter Boot		UF-300	Component Panel	
UF-553	Ignition Control Circuit Board		UF-326	40VA Transformer, 120/24	
UF-554	Wire Harness		UF-327	Indicator Light, 24VAC	
UF-603	Inducer Motor Assembly, Large		UF-329	Terminal Strip	
UF-615	6" Vent Collar (Qty.2)		UF-400	1/2" Gas Valve - Natural Gas	
UF-642	Pressure Switch, 1.55" WC		UF-410	1/2" Gas Valve - Propane	
UF-2113	Louver		UF-421	Flame Sensor	
UF-4112	22" Axial Fan Blade, 1/2" Hub		UF-422	Limit Switch, Flame Rollout	
UF-5111	22" Fan Guard, Rectangle Pattern		UF-425	Limit Switch, Tube Temperature	
UF-5150	Axial Fan Motor, 1/3 HP, 1075 RPM		UF-441	Gas Orifice (Indicate Size)	