



UNIT HEATERS PACKING LIST

Heaters & Accessories

Effective 4-1-2022

To be used in conjunction with Controls & Venting Packing Lists.

All orders are subject to acceptance by Detroit Radiant Products Company, Warren, Michigan at prices in effect at date of shipment. All prices are F.O.B. Warren, Michigan. All state, 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.



FA SERIES



UH SERIES

The key symbols below and found within designate the following:

SYMBOL	DESCRIPTION
†	UPS packages are charged dimensional, not physical weight.
<u>Underlined Item</u>	New item from prior accessory guide or heater packing list.

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.

Replacement parts can be found at www.reverberray.com/shop.



GAS-FIRED, TUBULAR EXCHANGER, INDUCED DRAFT HOT AIR HEATERS

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. Approved separated combustion, can be field converted to power vented without additional parts or costs. **1Base model is natural gas. For propane gas, add appropriate conversion kit as a separate line item.**

UH SERIES MODEL INFORMATION

MODEL NO.	BTU/h		GAS TYPE ¹	VOLTS	MOTOR HP	FAN DIA.	INLET & VENT CONN.	GAS CONN.	TYPICAL MOUNTING HEIGHTS	SHIP WEIGHT	SHIP BOX DIMS	QTY.
	INPUT	OUTPUT										
UH-30	30,000	24,000	Nat. or Prop.	120 VAC	1/15	10 in.	3" O.D.	1/2 in. NPT	8' - 12'	77 lbs.	W: 14" D: 29" H: 27"	
UH-45	45,000	36,000	Nat. or Prop.	120 VAC	1/15	10 in.	3" O.D.	1/2 in. NPT	8' - 14'	77 lbs.	W: 14" D: 29" H: 27"	
UH-60	60,000	48,000	Nat. or Prop.	120 VAC	1/12	14 in.	4" O.D.	1/2 in. NPT	10' - 16'	98 lbs.	W: 19" D: 29" H: 27"	
UH-75	75,000	60,000	Nat. or Prop.	120 VAC	1/12	14 in.	4" O.D.	1/2 in. NPT	10' - 18'	98 lbs.	W: 19" D: 29" H: 27"	

UH Series models can be shipped UPS (insurance is recommended) or truckline (preferred). UPS packages are charged dimensional, not physical weight.

FIELD CONVERSION KITS

MODEL	² STANDARD ELEVATION NATURAL GAS TO PROPANE CONVERSION		HIGH ALTITUDE 1 2,001 - 4,500 MSL		HIGH ALTITUDE 2 4,501 - 7,000 MSL		HIGH ALTITUDE 3 7,001 - 9,500 MSL	
	Propane	CKP-56-2	Nat.	HKN-50-2	Nat.	HKN-51-2	Nat.	HKN-52-2
UH-30N MSL TO 2000'	Propane	CKP-56-2	Prop.	HKP-57-2	Prop.	HKP-57-2	Prop.	HKP-58-2
			Nat.	HKN-50-3	Nat.	HKN-51-3	Nat.	HKN-52-3
UH-45N MSL TO 2000'	Propane	CKP-56-3	Prop.	HKP-57-3	Prop.	HKP-57-3	Prop.	HKP-58-3
			Nat.	HKN-50-4	Nat.	HKN-51-4	Nat.	HKN-52-4
UH-60N MSL TO 2000'	Propane	CKP-56-4	Prop.	HKP-57-4	Prop.	HKP-57-4	Prop.	HKP-58-4
			Nat.	HKN-50-5	Nat.	HKN-51-5	Nat.	HKN-52-5
UH-75N MSL TO 2000'	Propane	CKP-56-5	Prop.	HKP-57-5	Prop.	HKP-57-5	Prop.	HKP-58-5

² CKP propane conversion kits include a spring. All other conversion kits do not. If both propane and high altitude are required, order the propane high altitude kit only. **Do not** order an additional propane conversion kit.

LIMITED WARRANTY GUIDELINES & OPTIONS

All limited warranties are defined in the product insert manual for each heater series. Please contact the factory for further information on the terms and conditions.

STANDARD WARRANTY	COMPONENTS	HEAT EXCHANGERS	BURNERS
UH, FA	1 YEAR	5 YEARS	10 YEARS

EXTENDED WARRANTY OPTIONS³

CWO Control Extended Warranty. (Max. 4 year extension). _____ per year, per heater.

³ Prior approval from the factory is required when quoting extended warranties.

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. Approved separated combustion, can be field converted to power vented without additional parts or costs. **Base model is natural gas. For propane gas, add appropriate conversion kit as a separate line item.**

FA SERIES MODEL INFORMATION

*Use price code category "UF"

MODEL NO.	BTU/h		GAS TYPE ⁴	VOLTS	MOTOR HP	FAN DIA.	INLET & VENT CONN.	GAS CONN.	TYPICAL MOUNTING HEIGHTS	SHIP WEIGHT	SHIP BOX DIMS	QTY.
	INPUT	OUTPUT										
FA-100	100,000	80,000	Nat. or Prop.	120 VAC	1/8	18 in.	4" O.D.	1/2 in. NPT	12' - 14'	143 lbs.	W: 24" D: 41" H: 32"	
FA-125	125,000	100,000	Nat. or Prop.	120 VAC	1/6	18 in.	4" O.D.	1/2 in. NPT	14' - 16'	143 lbs.	W: 24" D: 41" H: 32"	
FA-150	150,000	120,000	Nat. or Prop.	120 VAC	1/3	22 in.	6" O.D.	1/2 in. NPT	14' - 16'	195 lbs.	W: 29" D: 41" H: 32"	
FA-175	175,000	140,000	Nat. or Prop.	120 VAC	1/3	22 in.	6" O.D.	1/2 in. NPT	15' - 17'	195 lbs.	W: 29" D: 41" H: 32"	
FA-200	200,000	160,000	Nat. or Prop.	120 VAC	1/3	22 in.	6" O.D.	1/2 in. NPT	15' - 17'	195 lbs.	W: 29" D: 41" H: 32"	
FA-225	225,000	180,000	Nat. or Prop.	120 VAC	1/3	22 in.	6" O.D.	3/4 in. NPT	16' - 18'	212 lbs.	W: 32" D: 41" H: 32"	
FA-250	250,000	200,000	Nat. or Prop.	120 VAC	1/3	22 in.	6" O.D.	3/4 in. NPT	16' - 18'	212 lbs.	W: 32" D: 41" H: 32"	
FA-300	300,000	246,000	Nat. or Prop.	120 VAC	3/4	26 in.	6" O.D.	3/4 in. NPT	18' - 20'	296 lbs.	W: 50" D: 20" H: 36"	
FA-400	400,000	328,000	Nat. or Prop.	120 VAC	1	30 in.	6" O.D.	3/4 in. NPT	20' - 22'	351 lbs.	W: 54" D: 20" H: 44"	



FA Series models are shipped truckline only.


FIELD CONVERSION KITS

MODEL	STANDARD ELEVATION NATURAL GAS TO PROPANE CONVERSION ⁵		HIGH ALTITUDE 1 2,001 - 4,500 MSL		HIGH ALTITUDE 2 4,501 - 7,000 MSL		HIGH ALTITUDE 3 7,001 - 9,500 MSL	
	Propane	CKP	Nat.	HKN	Nat.	HKN	Nat.	HKN
FA-100N MSL TO 2000'	Propane	CKP-53-4	Nat.	HKN-43-4	Nat.	HKN-44-4	Nat.	HKN-45-4
			Prop.	HKP-54-4	Prop.	HKP-54-4	Prop.	HKP-55-4
FA-125N MSL TO 2000'	Propane	CKP-53-5	Nat.	HKN-43-5	Nat.	HKN-44-5	Nat.	HKN-45-5
			Prop.	HKP-54-5	Prop.	HKP-54-5	Prop.	HKP-55-5
FA-150N MSL TO 2000'	Propane	CKP-53-6	Nat.	HKN-43-6	Nat.	HKN-44-6	Nat.	HKN-45-6
			Prop.	HKP-54-6	Prop.	HKP-54-6	Prop.	HKP-55-6
FA-175N MSL TO 2000'	Propane	CKP-53-7	Nat.	HKN-43-7	Nat.	HKN-44-7	Nat.	HKN-45-7
			Prop.	HKP-54-7	Prop.	HKP-54-7	Prop.	HKP-55-7
FA-200N MSL TO 2000'	Propane	CKP-155-7	Nat.	HKN-41-7	Nat.	HKN-43-7	Nat.	HKN-44-7
			Prop.	HKP-53-7	Prop.	HKP-53-7	Prop.	HKP-54-7
FA-225N MSL TO 2000'	Propane	CKP-53-9	Nat.	HKN-43-9	Nat.	HKN-44-9	Nat.	HKN-45-9
			Prop.	HKP-54-9	Prop.	HKP-54-9	Prop.	HKP-55-9
FA-250N MSL TO 2000'	Propane	CKP-155-9	Nat.	HKN-42-9	Nat.	HKN-42-9	Nat.	HKN-43-9
			Prop.	HKP-53-9	Prop.	HKP-53-9	Prop.	HKP-54-9
FA-300N MSL TO 2000'	Propane	CKP-52-10	Nat.	HKN-41-10	Nat.	HKN-42-10	Nat.	HKN-44-10
			Prop.	HKP-53-10	Prop.	HKP-53-10	Prop.	HKP-54-10
FA-400N MSL TO 2000'	Propane	CKP-51-12	Nat.	HKN-39-12	Nat.	HKN-41-12	Nat.	HKN-43-12
			Prop.	HKP-52-12	Prop.	HKP-53-12	Prop.	HKP-54-12



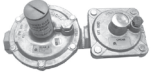
⁵ CKP propane conversion kits include a spring. All other conversion kits do not. If both propane and high altitude are required, order the propane high altitude kit only. **Do not** order an additional propane conversion kit.



HARDWARE COMPONENTS

PART NO.	DESCRIPTION	QTY.
 UF-TB	3/8"-16 thread turnbuckle with eyelet (right-hand) & hook (left-hand) for mounting UH & FA Series heaters. Includes 3/8"-16 thread nut. Four (4) per unit required if selected.	1 lb.
 VI-76	Spring hanger vibration isolator used to reduce noise/vibration of unit. Four (4) per unit required if selected.	2 lbs.

PART NO.	DESCRIPTION	QTY.
 TR-EB	Threaded rod eye bolt with nut. An option for use when suspending heater without threaded rod. Four (4) per unit required if selected.	1 lb.

GAS RELATED ACCESSORIES

PART NO.	DESCRIPTION	QTY.
 325-3	Maxitrol high pressure regulator, 2 PSI maximum inlet pressure on natural and propane gas. 12" W.C.P. outlet pressure setting, 1/2" x 1/2" NPT, 150,000 BTU/H flow capacity. CSA Design Listed and meets NFPA-54 requirements for vent limiting devices. Fits 30-150 MBH models.	2 lbs.
 325-5	Maxitrol regulator (see 325-3 above) with 300,000 BTU/H flow capacity. 3/4" x 3/4" NPT. CSA Design Listed and meets NFPA-54 requirements for vent limiting devices. Fits 175-250 MBH models.	2 lbs.
 325-3 OPD	Maxitrol regulator 1/2" x 1/2" NPT with vent limiting device. 2-5 PSI maximum inlet pressure on <u>natural gas only</u> . Meets ANSI Z21.80 Standard for line regulators.	3 lbs.

PART NO.	DESCRIPTION	QTY.
 GC-50	Ball valve, 2 PSI maximum pressure, 1/2" x 1/2" FPT, with 1/8" NPT side pressure tap. Fits 30-200 MBH models. CSA certified to: • ANSI Z21.15 (.5 PSIG) • ASME B16.44 (5 PSIG) • CGA CR91 (5 PSIG)	1 lb.
 GC-55	CSA Design Listed ball valve, 2 PSI maximum pressure, 3/4" x 3/4" FPT, with 1/8" NPT side pressure tap. Fits 225-250 MBH models.	1 lb.

COMMONLY USED ACCESSORIES⁶

• TH-P721	• TH-115	• CVK-3	• RTVP-4
• TH-BR52	• TH-115-60B	• DB-RTVP	• 6-DSK
• RS-BR53	• TH-1F86WF	• 4-DSK	• CVK-6
• TH-ET5	• DB-DSK	• CVK-4	• RTVP-6

⁶ Reference the Controls and Venting Packing Lists for all available accessories.

NOTE: When common controlling multiple heaters, external relays and transformers are required. Refer to Controls Packing List.