

QT Series Packing List

Heaters & Accessories

NOTE: All items shown in this booklet are part of our “TBAC” price code category.

Effective 7-1-13

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.



Gas-Fired, Quad Tube Design, Low Intensity Infrared Heaters

Patent Pending

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Replacement parts information is available online at www.detroitradiant.com/parts and in the product manual.

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

SYMBOL	DESCRIPTION
†	UPS packages are charged dimensional, not physical weight.
<u>Underlined Item</u>	New item or price, from prior accessory guide, or heater price sheet.
Part No. in BOLD	An item that has further technical information available, ex.: spec sheet, instructions, etc.
Items in [****]	DRP product coding. For internal use only.

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.

Additional accessories are available in the Tube Heater Price Book (LPTH).

QT SERIES BURNER PACKAGES [BQTD/S]

Model No.	Description	Gas Type	Price Code Category	Input BTU/h High Fire	Qty.
BRN QTD-60N	QT - Tube Burner - Dual Stage	Natural	BQTD	60,000	
BRN QTD-80N	QT - Tube Burner - Dual Stage	Natural	BQTD	80,000	
BRN QTD-60P	QT - Tube Burner - Dual Stage	Propane	BQTD	60,000	
BRN QTD-80P	QT - Tube Burner - Dual Stage	Propane	BQTD	80,000	
BRN QTS-40N	QT - Tube Burner - Single Stage	Natural	BQTS	40,000	
BRN QTS-60N	QT - Tube Burner - Single Stage	Natural	BQTS	60,000	
BRN QTS-80N	QT - Tube Burner - Single Stage	Natural	BQTS	80,000	
BRN QTS-40P	QT - Tube Burner - Single Stage	Propane	BQTS	40,000	
BRN QTS-60P	QT - Tube Burner - Single Stage	Propane	BQTS	60,000	
BRN QTS-80P	QT - Tube Burner - Single Stage	Propane	BQTS	80,000	

NOTE: Outdoor Approval Kit (P/N: OD-KIT) **MUST** be added to the heater when applying heaters outdoors.

QT SERIES TUBE AND REFLECTOR PACKAGES [ACTP]

Model No.	Description	Qty.
TPK-QT	QT Series U Tube and Reflector Package	

Shipping/Boxing:

B = Burner Box (45#) & (31.5"L x 17.5"W x 15.5"H)
T = Large Tube Box (88#) & (91"L x 31"W x 14"H).



IMPORTANT: Burner and tube components are sold separately - complete assemblies require both BRN burner **and** TPK-QT tube packages.

KIT CONTENTS

Box	Part No.	Description	Quantity
T	TP-13	Self Drilling Screws for Vent Pipe	9
B	TP-33B	1/2" Shut-Off Valve (Ball Valve & Inlet Tap)	1
T	TP-62	#8 - 1/2" Screw for Reflectors	16
B	TP-83	24" Flexible Connector	1
B	TP-6021B	Tube Flange Gasket	2
B,T	TP-6022	5/16" - 18 Keps Nut	9,4
T	TP-6075	81" x 4" Spiral Vent Pipe	1
T	TP-6080	4" Vent Adapter Fitting	1
T	TP-6085A	Burner Reflector End Cap	2
T	TP-6086A	#8 - 1/2" Red Shoulder Screw	4
T	TP-6089A	U-End Reflector End Cap	2
T	THCS	Bulldog #1 12-Ga. 60" Chain with S-Hooks	3
B	LIOQTD/S	Series Installation, Operation, Parts Manual	1

B [Packed with burner]

T [Packed with tube & reflector assembly]

LIMITED WARRANTY INFORMATION

STANDARD WARRANTY	BURNER BOX COMPONENTS	TUBES/ EXCHANGERS	BURNER
QTD, QTS	1 Year	3 Years	5 Years

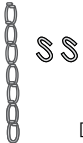


All limited warranties, are defined in the Series Manual Insert for the particular Series of heaters. Please contact the factory for further information on the terms and conditions.





RECOMMENDED MOUNTING HEIGHTS[†]

BTU Range	Typical Use	
	Single Stage	Dual Stage
40,000	8 ft. to 12 ft.	N/A
60,000	9 ft. to 13 ft.	8 ft. to 13 ft.
80,000	10 ft. to 14 ft.	9 ft. to 14 ft.




[†] Recommended mounting heights are listed as a guideline. If infrared heaters are mounted too low or too high, they may produce adverse results.






ADD-ON / UPGRADE ITEMS		
PART NO.	DESCRIPTION	QTY.
[ACTB] OD-KIT	Outdoor approval kit for QTD and QTS Series. Option MUST be added to the heater when applying heaters outdoors. Includes: 24V control cord (when applicable), SILSEAL, 90° air inlet collar and certificate.	



HARDWARE ACCESSORIES		
PART NO.	DESCRIPTION	QTY.
 [ACTB] AV-CS	One (1) Bulldog #1, 12-Ga. 12-in. hanging chains with two (2) S-hooks.	1 lb.
 [ACTB] THCS	Five foot chain set with 2) S-hooks used for hanging heater. Bulldog coil chain, trade size #1, wire gauge 12, and a working load limit of 155 lbs. each. Chain length is 5 ft. NOTE: QT Series has 3 hanging points.	1 lb.
 [ACCM] S-HOOK	Chain set "S" hook	1 lb.

CONTROL OPTIONS		
PART NO.	DESCRIPTION	QTY.
 [ACCP] TH-ET5	Columbus Electric single-stage 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.	1 lb.
 [ACCP] TH-PSD	LuxPro 24V single-stage non-programmable thermostat. 45°-90°F range. 1.5 amp @ 24V AC (controls up to 10 heaters w/ 24VAO option and 40 VA transformer or 6 with R8285B). Features include °C/°F display and large illuminated display.	2 lbs.
 [ACCP] ETD-5M	Columbus Electric two-stage , double throw, low or line voltage thermostat. 35°F to 75°F range (24, 120 or 220V). Non-adjustable, preset 2° high/low fire differential. UL Listed and CSA Certified.	2 lbs.
 [ACCP] TH-BRTS	Braeburn two-stage , non-programmable thermostat. 45°-90°F range with preset 2°F high-low differential. 3 amp @ 24VAC or battery powered. Features include °C/°F display and adjustable temperature differential.	2 lbs.

NOTE: All heaters come standard requiring an external 24V supply for control voltage. An alternate operation is available and is field selectable to allow unit to supply 24V power for the thermostatic connections. See applicable series manual for additional details. For additional thermostats, refer to the Tube Heater and Accessories Packing List (F/N:LPKTH)

AIR COMPONENTS		
PART NO.	DESCRIPTION	QTY.
 [ACTB] AIRH	4" flexible air inlet rubber hose with DWV adapter affixed. Mates to 4" DWV pipe. Clear color for visibility. Includes 4" DWV adapter and worm clamp. 18" in length.	2 lbs.
 [ACTB] WIV-4	Wall inlet cap, 4" O.D. with bird screen. For use with outside air option. Bird screen insures open air flow to unit. Used for 0-20' of 4" intake.	3 lbs.
 [ACTB] [ACTB] RTV-106	Tube of high temperature sealant. Capable of withstanding temperatures up to 500°F. Commonly used for sealing venting, combustion air inlet, and burner boxes. Meets NFPA-54 requirements.	1 lbs.

4" VENT MATERIALS		
PART NO.	DESCRIPTION	QTY.
 [ACTB] WVE-GALV	Galvanized steel vent outlet cap 4 in. O.D. with flapper. Flapper insures proper static pressure for proper unit operation. Must be used with unvented units. Known as WVE-4.	4 lbs.
 [ACTB] SWD-4	Duravent sidewall vent cap. All aluminum construction. Diameter is 8-3/4 in.	2 lbs.
 [ACTB] RVC-4	4 in. Duravent rooftop vent cap. All aluminum construction. For use on vertical rooftop vent applications only. For use on air intake or vent exhaust. 8 in. diameter.	2 lbs.
 [ACTB] 4-DSK	4 in. 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.	8 lbs.
 [ACTB] RTVP-4	4 in. rooftop vent package. Complete kit for vertical venting through the roof. Includes: RVC-4, DHC-4, FS-4, ARF-4, and SC-4, VE-4 and RTV-106 sealant. No vent or type B-vent pipe material is included.	7 lbs.

OTHER ACCESSORIES		
PART NO.	DESCRIPTION	QTY.
 [ACCM] **325-3	Maxitrol high pressure regulator, 10 psi maximum inlet pressure on natural gas, 5 psi maximum inlet pressure on propane gas. 12 Inches W.C. outlet pressure setting, 1/2 in. x 1/2 in. NPT, 150,000 BTU/h flow capacity. CSA Certified and meets NFPA-54 requirements for vent limiting devices.	2 lbs.
 [ACCM] 4000-01V	40 VA transformer 120-25V. Mounted on 4 in. x 4 in. base plate. Can be used for all 25V heaters or controls manufactured or provided by Detroit Radiant Products.	3 lbs.

To ensure a properly designed heating system, a layout should be developed for the correct placement of the heating appliance, vents and combustion air intake ducts. Inspect and evaluate the mounting conditions, vent locations, clearance to combustibles, gas supply and wiring.

⚠ CAUTION

Sprinkler systems containing propylene glycol or other flammable substances are not to be used in conjunction with this heater without careful consideration for and avoidance of potential fire or explosion hazards. For further information consult NFPA 13.

IMPORTANT: Fire sprinkler heads must be located at an appropriate distance from the heater. This distance may exceed the published clearance to combustibles as posted on the heater. Certain applications may require the use of high temperature sprinkler heads or relocation of the heaters.



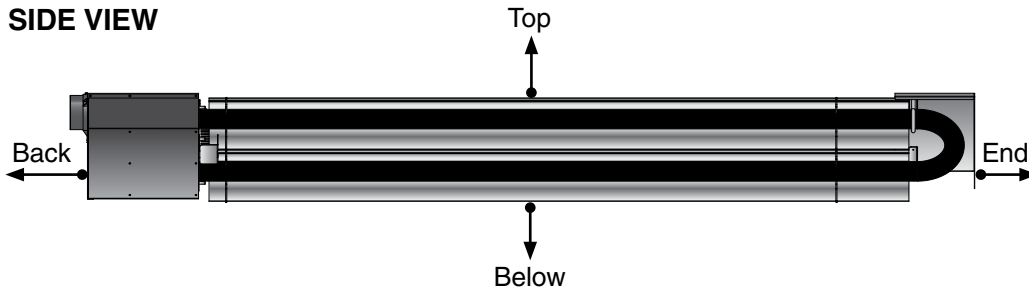
NOTE: The effective infrared surface temperature of a person or object may be diminished with wind above 5 mph. The use of adequate wind barrier(s) may be required.

QTD Series Clearance to Combustibles, Mounting Heights and Coverages

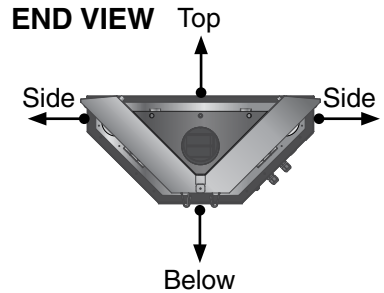
Model No.	Input BTU/h	Clearance to Combustibles Data					Recommended Mounting Height (ft.)	Approximate Coverage Area (L x W)
		Top	Sides	Below	Back	End		
QTD-60 [N,P]	60,000	10	36	40	6	12	8 to 13	30 x 45
QTD-80 [N,P]	80,000	10	36	40	6	12	9 to 14	40 x 60

NOTE: Factory recommended mounting heights and coverages are listed as a guideline. If infrared heaters are mounted too low or too high, they may result in discomfort or lack of heat.

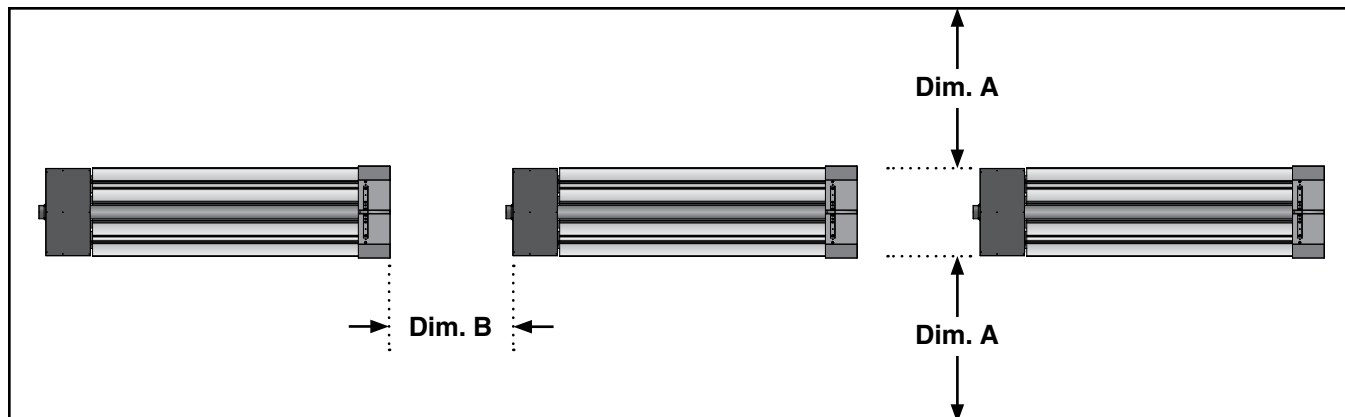
SIDE VIEW



END VIEW



Application Guidelines



DIM A - Distance from heater to wall = 8 ft. to 20 ft. **DIM B** - Distance between heaters = 12 ft. to 28 ft.

NOTE: Dimensions A & B are based upon heaters hung at the factory recommended mounting height.