

# ACiQ

## 30K-125K NATURAL GAS UNIT HEATERS REPLACEMENT PARTS GUIDE

Models Covered:

ACiQ-UH-30-NG

ACiQ-UH-60-NG

ACiQ-UH-125-NG



**WARNING: DO NOT destroy or lose this manual.** Please read the manual thoroughly. Also, store the manual in a place that allows for easy retrieval and future reference. As a result of continuous product improvement, the specification and design of this product are subject to change without advanced notice. Consult your manufacturer or your dealer for further details regarding this product. The images and illustrations within this this manual are for reference only. The actual shape and size of your product may vary.

**VERSION DATE: 01-01-26**

## REPLACEMENT PARTS FOR GAS-FIRED UNIT HEATERS

MODELS ACiQ-UH-30-NG, ACiQ-UH-60-NG, AND ACiQ-UH-125-NG



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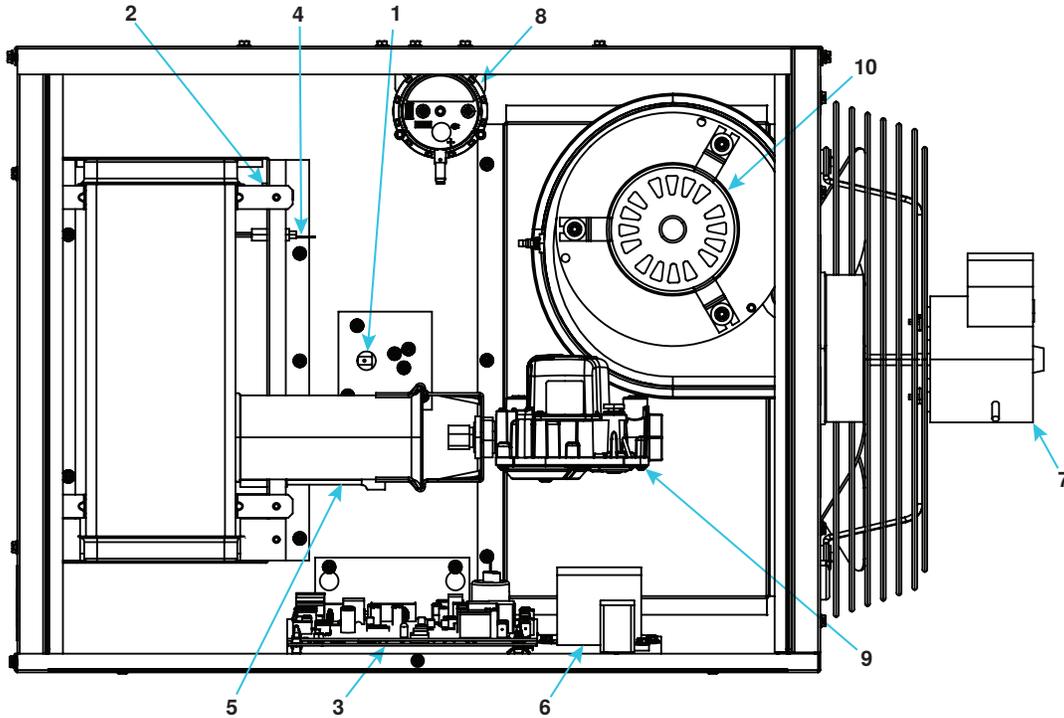
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### IMPORTANT

- Always include complete model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.
- In keeping with our policy of continuous product improvement, we reserve the right to alter any information shown here.
- Order by Part Number (PN) not by option designation.

**WE RESERVE THE RIGHT TO SUBSTITUTE FUNCTIONAL REPLACEMENTS.**

## ELECTRICAL COMPONENTS



**Figure 1. Typical Control Compartment (Refer to [Table 1](#))**

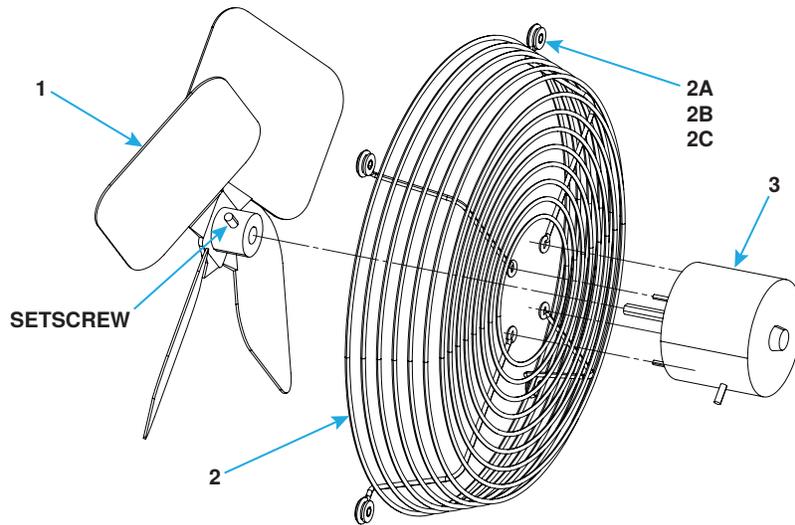
<b>Table 1. Electrical Components</b>					
Item No.	Component	Description	Unit Size (MBTUh)		
			30	60	125
			PN		
1	Limit switch	High temperature, auto-reset	96512	45602	82091
1A	Plate	Limit switch	170025		
1B	Bracket		170026		201771
2	Flame rollout switch, manual reset	210°F/-31°F, violet*	197033	—	
		225°F/-31°F, red*	—	196949	—
		250°F/-31°F, yellow*	—		196950
3	Circuit board	DSI control module	1033741		
3A	Fuse**	Circuit board	201685		
3B	Harness	Wiring, 9-pin	1033745	1033746	1033747
3C	Bracket	Mounting	1033963		
3D	Gasket	Mounting bracket	195664		
4	Sensor	Flame	195292		
5	Ignitor	Electrode assembly	175272		
6	Transformer	30VA, 115V	175265		
7	Fan and motor	Assembly	Refer to <a href="#">Table 2</a>		
8	Pressure switch (combustion air proving)	0-6000 feet	197031	1034237	
		>6000 feet	1034349	197028	
9	Gas valve, single-stage	Natural gas, 1/2 x 1/2	260603		
10	Venter wheel and motor	Assembly	Refer to <a href="#">Table 6</a>		

\*The color listed is the color of the identifying dot on the label.

\*\*May be replaced with field-supplied type ATC or ATO 3-amp fuse (color code: violet).

## FAN AND MOTOR ASSEMBLY COMPONENTS

**NOTE: Refer to the installation, operation, and maintenance manual provided with the unit for specific fan replacement instructions.**

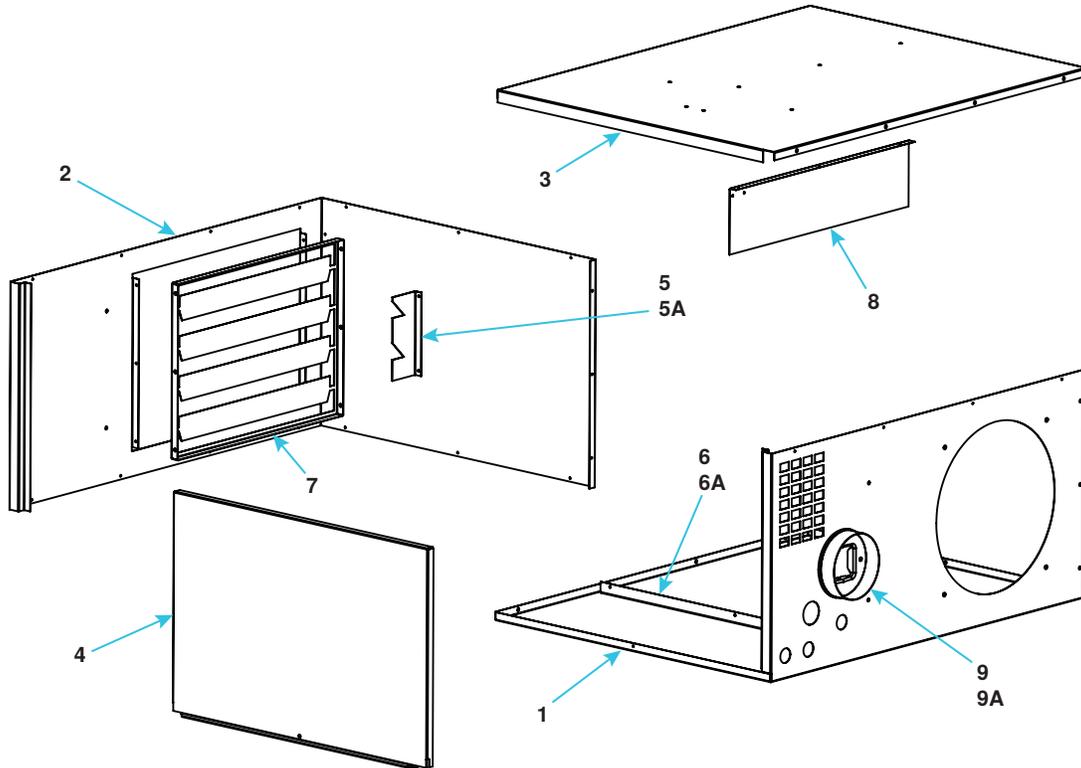


**Figure 2. Fan and Motor Assembly (Refer to [Table 2](#))**

<b>Table 2. Fan and Motor Assembly Components</b>					
Item No.	Component	Description	Unit Size (MBTUh)		
			30	60	125
			PN/Specification		
1	Propeller	Fan	195644	195646	195649
2	Fan guard	Close mesh	175266	175267	195047
2A	Bushing	Fan guard (quantity 4)	196349		
2B	Isolator		196348		
2C	Screw		Sheet metal, #10-16 × 3/4, AB hex head, zinc-plated, torque to 30 inch-pounds		
3	Fan motor	115V, open	196240	196241	196244
3A	Flat washer	Fan motor	3/4 OD × 3/16 ID × 1/8 thick, steel		
3B	Locknut	(quantity 4)	#8-32, grade 5, zinc-plated with nylon insert		

NOTE: Hardware listed without a PN is field-supplied. Setscrew torque = 80 (±10) inch-pounds for unit sizes 30 and 60 or 120 (±10) inch-pounds for unit size 125.

## CABINET COMPONENTS



**Figure 3. Cabinet Components (Refer to [Table 3](#))**

<b>Table 3. Cabinet Components</b>					
Item No.	Component	Description	Unit Size (MBTUh)		
			30	60	125
			PN		
1	Panel assembly	Bottom and back	2000544	2000553	2000559
2		Left side and front	2000545	2000554	2000560
3	Panel	Top	2000546		
4		Access door	2000547	2000557	2000563
5	Support	Heat exchanger	2000550	2000556	2000562
5A	Screw	Sheet metal, #8-18 × 3/8	195638		
6	Angle brace	Heat exchanger	2000551		
6A	Pop rivet	1/8	121198		
7	Louver	Assembly	2000548	2000555	2000561
8	Air baffle	Top	195545	195547	195550
9	Outlet collar	4-inch	195077		
9A	Gasket	Outlet collar	170048		
10	Hanger bar	Front and back	2000549		

## HEAT EXCHANGER AND BURNER ASSEMBLY COMPONENTS

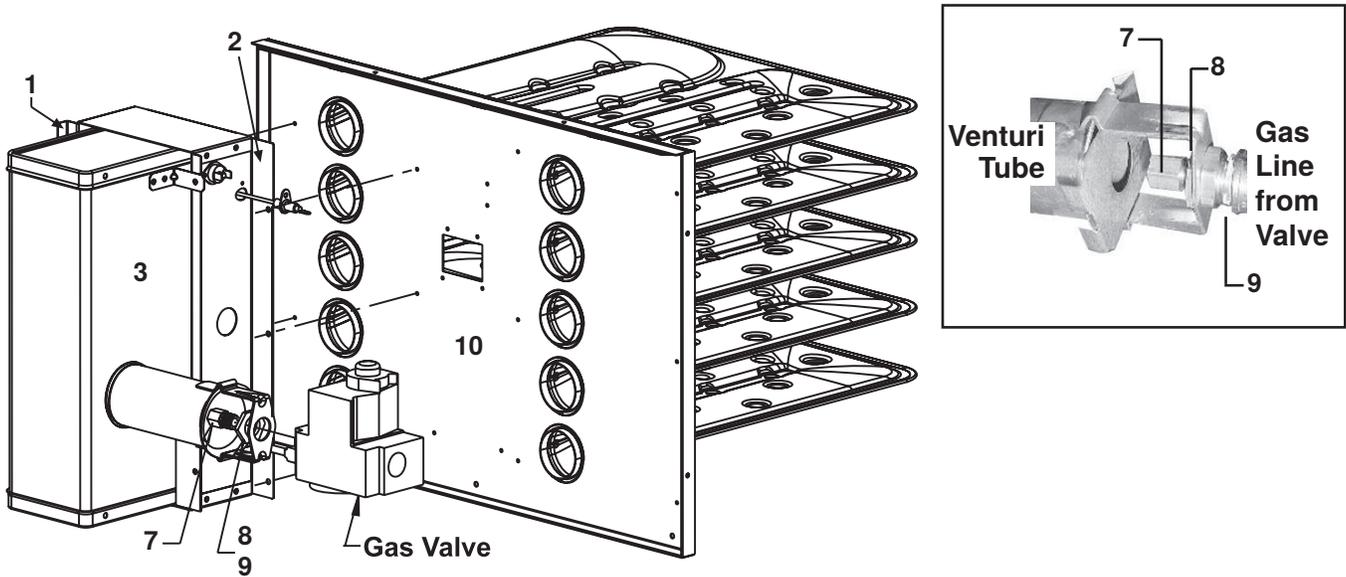


Figure 4. Replacement Heat Exchanger and Burner Assembly Components (Refer to [Table 4](#))

Item No.	Component	Description	Unit Size (MBTUh)		
			30	60	125
1	Burner shield	Front side	222100	222102	222106
2		Rear side	222147	222129	222152
3	Burner assembly		195231	195233	195236
4	Gasket	Burner end		195667	
5	Baffle		—	196749	196750
6	Support	Burner		196597	
7	Orifice			Refer to <a href="#">Table 5</a>	
8	Nut	Pipe, 1/2		165702	
9	Bushing	Orifice adapter, 1/2 × 1/4		165701	
10	Heat exchanger assembly	Aluminized steel	2000577	2000578	2000579

Unit Size (MBTUh)	Natural Gas		Propane	
	Orifice Size/Marking	PN	Orifice Size/Marking	PN
30	#39	196853	1.6 mm	196844
60	9/64 inch	196898	#42	2000651
125	#8	131580	#30	196838

## VENTER AND FLUE WRAPPER COMPONENTS

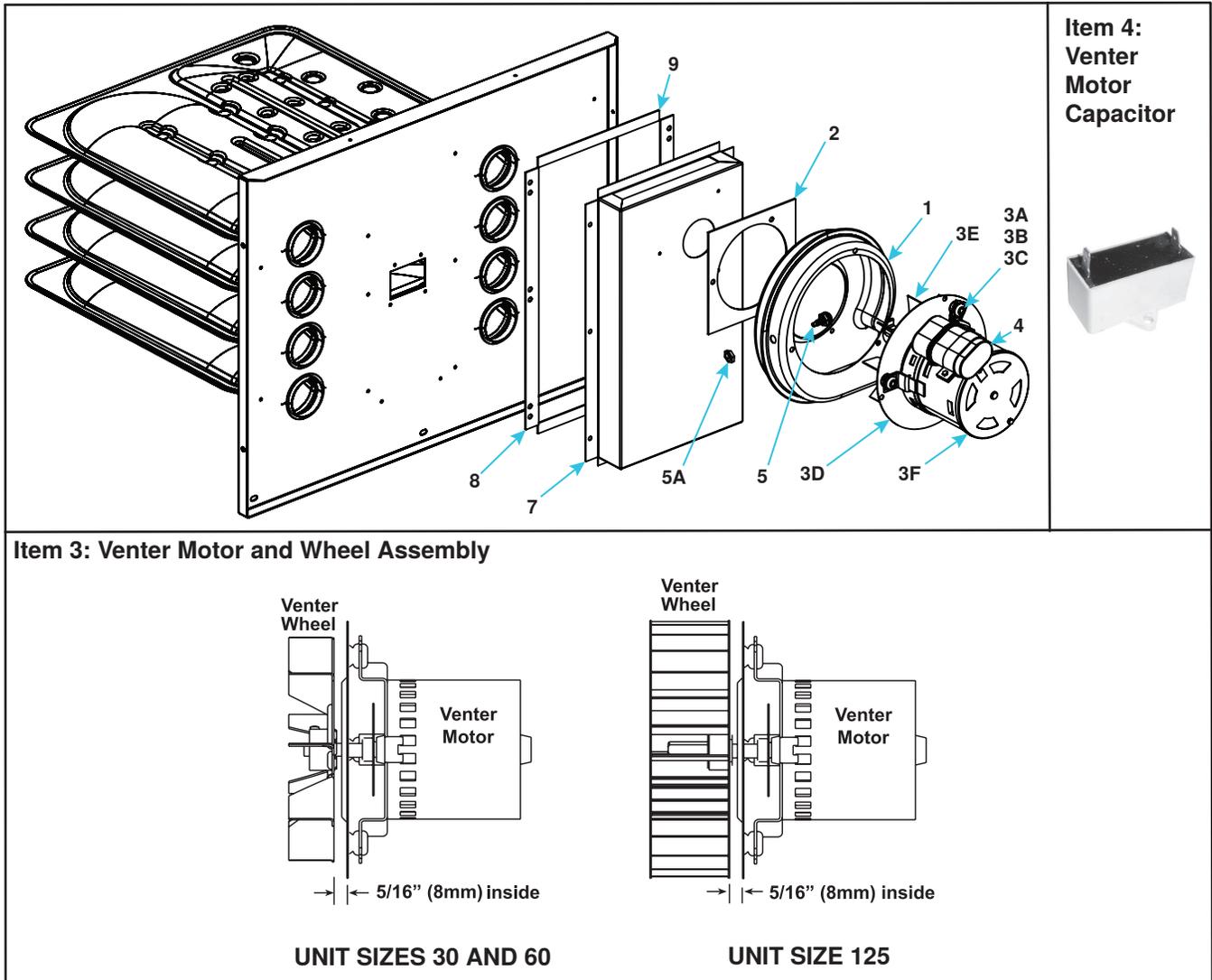


Figure 5. Venter and Flue Wrapper Components (Refer to [Table 6](#))

**Table 6. Venter and Flue Wrapper Components**

Item No.	Component	Description	Unit Size (MBTUh)		
			30	60	125
			PN		
1	Housing	Venter	196248		
2	Gasket	Venter housing	196012		
3	Venter wheel and motor	Assembly	220779	1036169	
3A	Isolator	Venter motor	194534		
3B	Bushing	Venter motor isolator	194803		
3C	Screw	Venter motor isolator bushing	113275		
3D	Plate	Venter motor	194806		
3E	Wheel	Venter	195036		
3F	Motor	Venter	1005552	236157	
4	Capacitor	Venter motor	May be included in venter wheel and motor assembly (item 3)		
5	Pressure tap	Static, assembly	116043		
5A	Nut	Static pressure tap	Part of static pressure tap assembly (item 5)		
6	Tubing, silicone rubber	6 inches long	148986		
7	Flue wrapper assembly		1034070	1043051	1034080
7A	Flue wrapper		1043048	1043049	1034081
8	Gasket, flue wrapper	Side	170029	170030	1033980
9		Top/bottom	170038		

**PROPANE CONVERSION KIT**

**NOTE: A gas conversion kit (PN 2000752) may be ordered separately for changing from natural gas to propane. Refer to the gas conversion kit installation manual provided with the kit for components and installation instructions. This factory-authorized conversion kit MUST BE used.**



# ACiQ

**The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details. Any updates to the manual will be uploaded to the service website, please check for the latest version.**

