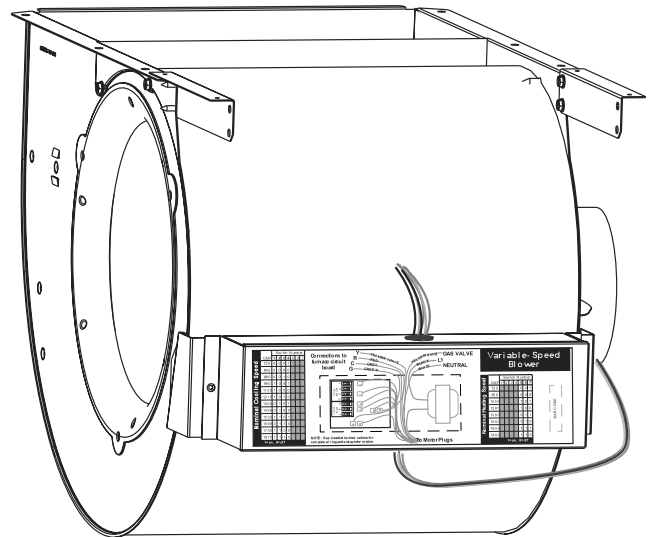

TECHNICAL SPECIFICATIONS

Gas Furnace Variable Speed Blower Kit

Variable speed air delivery significantly improves overall system efficiency, indoor air quality, and sound levels. When matched with our condensing units a SEER rating of up to 16 is realized. An HSPF rating of up to 8.5 is realized on heat pumps. In addition to optimum efficiency, overall air quality is enhanced by minimizing air stratification. Reducing stratification in the space “mixes” the air from floor to ceiling creating a more uniform temperature. Filtration and humidity removal capabilities are improved as airborne particles and moisture are captured at a higher rate due to lower air velocity. Whisper quiet blower on/off sound quality completes the variable speed story. In summary, the variable speed blower kit will maximize system efficiencies, improve air quality, and reduce sound levels.



Features and Benefits

- Air conditioning and heat pump efficiencies up to 16 SEER and 8.5 HSPF.
 - Easy to install, pre-wired and assembled. Slide into place and connect wires.
 - Full perimeter lock seam housing construction for strength and durability.
 - ECM variable speed motor technology allows for 12 selected cooling airflows and 8 heating airflows to match any application.
 - Constant airflow regardless of static pressure.
 - Pre-programmed delay profiles for increased efficiency and comfort.
 - Extra low speed for “fan only” operation.
 - Reduces air stratification (stagnant air). This results in improved air quality by optimizing humidity removal and filtration capabilities.
 - Extra quiet and smooth blower on and off cycles.
 - Covered by the best warranty in the business. Carries the balance of the original equipment warranty. Extended protection plans are available.
 - Two kits available (one for "A" cabinet equipment and one "B/C" cabinet equipment.*
 - 2-stage cooling enabled for use with two-stage A/C and heat pump models.
- * Not suitable for "B" cabinet 1200 CFM applications.

Certified combinations and ratings are listed in the current ARI directory.

SPECIFICATIONS FOR KIT NO. 904075

Nominal Blower Size	11 x 10
Maximum Motor HP	3/4
Motor Type	Programable Variable Speed
Cooling CFM Range*	720-1870
Heating Airflow Range*	720-1800
Approximate Shipping Weight	45 lbs

* Airflow is held constant regardless of external static pressure within the HP and RPM limits of the motor

SPECIFICATIONS FOR KIT NO. 904231

Nominal Blower Size	10 x 6
Maximum Motor HP	1/2
Motor Type	Programable Variable Speed
Cooling CFM Range*	720-1240
Heating Airflow Range*	550-1215
Approximate Shipping Weight	38 lbs

* Airflow is held constant regardless of external static pressure within the HP and RPM limits of the motor

IMPORTANT NOTE: When installing a 2-stage heat pump and a fossil fuel kit, the transformer MUST be upgraded to one with a 60VA rating (P/N 904077).

CFM		SWITCH NUMBER							Nominal A/C and HP Capacity
LOW	HIGH	1	2	3	4	5	6	7	
500	720	0	0	0	1				
550	800	0	0	0	0				
610	880	0	0	1	0				
650	945	1	0	0	1				
720	1050	1	0	0	0				
800	1155	1	0	1	0				
900	1305	0	1	0	1				
1000	1450	0	1	0	0				
1060	1530	1	1	0	1				
1100	1595	0	1	1	0				
1170	1700	1	1	0	0				
1290	1870	1	1	1	0				

NOTE: 0 = OFF 1 = ON

Table 1. Cooling/Heat Pump Airflow Settings - "B" and "C" Cabinet Furnace (Kit No. 904075)

Switches	Nominal Air-Flow								
	720	900	1056	1200	1350	1500	1656	1800	
5 6 7	0 0 1	0 0 0	1 0 1	1 0 0	0 1 1	0 1 0	1 1 1	1 1 0	
80+%	72,000		59	51	44				
	90,000			63	55	49	44		
	96,000			67	59	53	47		
	108,000				67	59	53	48	
	120,000					66	59	54	49
92+%	126,000					69	62	56	51
	144,000						71	64	59
	120,000						71	64	59

Temperature Rise °F (Recommended settings are Bold)

NOTE: 0 = OFF 1 = ON

Table 2. Heating Airflow Settings for "B" and "C" Cabinet Furnaces (Kit No. 904075)

CFM		SWITCH NUMBER							Nominal A/C and HP Capacity
LOW	HIGH	1	2	3	4	5	6	7	
350	510	0	0	0	1				
390	565	0	0	0	0				
430	625	0	0	1	0				
465	675	1	0	0	1				
520	750	1	0	0	0				
570	825	1	0	1	0				
600	865	0	1	0	1				
660	960	0	1	0	0				
700	1015	1	1	0	1				
730	1055	0	1	1	0				
775	1125	1	1	0	0				
855	1240	1	1	1	0				

NOTE: 0 = OFF 1 = ON

Table 3. Cooling/Heat Pump Airflow Settings - "A" Cabinet Furnaces (Kit No. 904231)

Switches	Nominal Air-Flow								
	550	675	790	860	930	1040	1125	1215	
5 6 7	0 0 1	0 0 0	1 0 1	1 0 0	0 1 1	0 1 0	1 1 1	1 1 0	
80+%	45,000	61	50	42	40	36	32		
	54,000		60	51	47	43	38	35	
	60,000		66	56	52	48	43	40	36
	72,000		79	68	62	64	51	48	44
92+%	40,000	62	51	43	41	37			
	60,000		65	59	55	49	45	42	

Temperature Rise °F (Recommended settings are Bold)

NOTE: 0 = OFF 1 = ON

Table 4. Heating Airflow Settings for "A" Cabinet Furnaces (Kit No. 904231)

