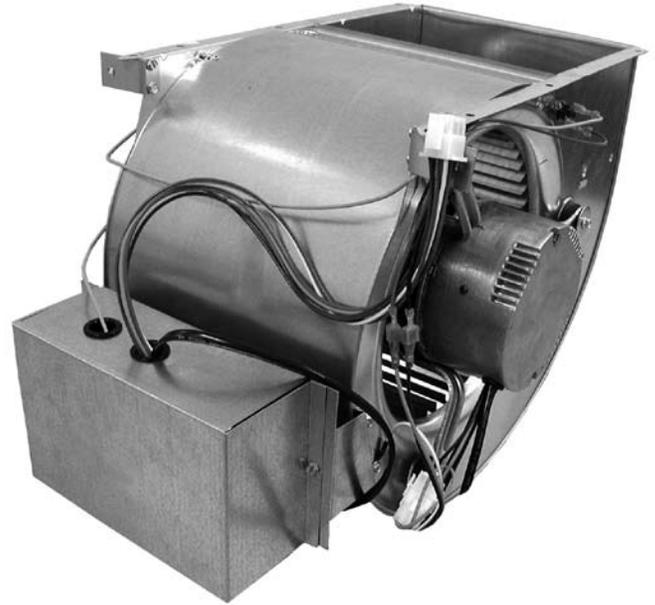

TECHNICAL SPECIFICATIONS

iSEER™ Variable Speed High Efficiency Blower Kit

Variable speed air delivery significantly improves overall system efficiency, indoor air quality, and sound levels. When matched with our condensing units or heat pumps up to 1 SEER point efficiency gain is realized. 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 complete the variable speed story. In summary, the iSEER variable speed blower kit will maximize system efficiencies, improve air quality, and reduce sound levels.



Features and Benefits

- iSEER - Up to 1 SEER point cooling efficiency gain.
- iQ Drive Ready - Compatible with 23 SEER iQ Drive system
- Easy to install, Pre-wired and assembled. Slide into place and connect wires.
- Full perimeter lock seam housing construction for strength and durability.
- Brushless DC motor technology allows for 16 selected cooling airflows and 8 heating airflows to match any application.
- Constant airflow across a range of static pressures.
- Pre-programmed delay profiles for increased efficiency and comfort.
- Improved humidity removal capabilities due to lower air velocities when used with a humidistat.
- Extra low speed for “fan only” operation. Reduces air stratification (stagnant air). This results in improved air quality by optimizing 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
- 2-stage cooling enabled for use with two-stage A/C and heat pump models.

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

SPECIFICATIONS

A Cabinet

Specifications for Kit P/N: 904876

Nominal Blower Size	10x8
Maximum Motor HP	1/2
Motor Type	Variable Speed
Cooling CFM Range*	525-1350
Heating CFM Range*	640-1200
Approximate Shipping Weight	24 lbs

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

B Cabinet

Specifications for Kit P/N: 904877

Nominal Blower Size	11x8
Maximum Motor HP	1/2
Motor Type	Variable Speed
Cooling CFM Range*	700-1600
Heating CFM Range*	1000-1700
Approximate Shipping Weight	26 lbs

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

C Cabinet

Specifications for Kit P/N: 904878

Nominal Blower Size	11x10
Maximum Motor HP	3/4
Motor Type	Variable Speed
Cooling CFM Range*	1050-2000
Heating CFM Range*	1000-1800
Approximate Shipping Weight	34 lbs

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

D Cabinet

Specifications for Kit P/N: 904879

Nominal Blower Size	11x10
Maximum Motor HP	1
Motor Type	Variable Speed
Cooling CFM Range*	1400-2000
Heating CFM Range*	1500-2300
Approximate Shipping Weight	36 lbs

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

Specifications for Kit P/N: 904880

This is an upgrade kit for 2-stage furnaces to upgrade to full variable speed. The existing blower assembly, motor, and mounting bracket will continue to be used. This upgrade kit comes with a motor control board and wiring harness which will replace the existing motor control board and harness.

Approximate Shipping Weight	2 lbs
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The microprocessor also stores delay profiles developed by NORDYNE to optimize the efficiency and performance of NORDYNE split system air conditioners and heat pumps. The microprocessor also controls the rate of change of the motor's output to create quiet, gradual starts and stops. This kind of control is not possible with conventional motor technology.

AIRFLOW SWITCH SETTINGS - HEATING

Nominal Heating Airflows (CFM) and Temperature Rise (°F)									
A Cabinet				*SA-045(†)-*A Models		*SA/SK-054(†)-*A Models		*SC-038D-*A Models	
Switch Settings HEAT				Input (BTU) 45000		Input (BTU) 54000		Input (BTU) 40000	
A/B	2	3	4	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)
0	0	0	0	640	52	640	62	640	53
0	0	0	1	720	46	720	56	720	47
0	0	1	0	800	42	800	50	800	43
0	0	1	1	880	38	880	45	880	39
0	1	0	0	960	35	960	42	960	36
0	1	0	1	1040	32	1040	38	1040	33
0	1	1	0	1120	30	1120	36	1120	30
0	1	1	1	1200	28	1200	33	1200	28

Nominal Heating Airflows (CFM) and Temperature Rise (°F)											
B Cabinet				*SA/SK-072(†)-*B Models		*SA/SK-090(†)-*B Models		*SC/SL-054D-*B Models		*SC/SL-072D-*B Models	
Switch Settings HEAT				Input (BTU) 72000		Input (BTU) 90000		Input (BTU) 54000		Input (BTU) 72000	
A/B	2	3	4	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)
1	0	0	0	1000	53	1000	67	1000	46	1000	61
1	0	0	1	1100	48	1100	61	1100	42	1100	56
1	0	1	0	1200	44	1200	56	1200	38	1200	51
1	0	1	1	1300	41	1300	51	1300	35	1300	47
1	1	0	0	1400	38	1400	48	1400	33	1400	44
1	1	0	1	1500	36	1500	44	1500	31	1500	41
1	1	1	0	1600	33	1600	42	1600	29	1600	38
1	1	1	1	1700	31	1700	39	1700	27	1700	36

Nominal Heating Airflows (CFM) and Temperature Rise (°F)													
C Cabinet				*SA-072(†)-*C Models		*SA-090(†)-*C Models		*SA/SK-108(†)-*C Models		*SC-072D-*C Models		*SC/SL-090D-*C Models	
Switch Settings HEAT				Input (BTU) 72000		Input (BTU) 90000		Input (BTU) 108000		Input (BTU) 72000		Input (BTU) 90000	
A/B	2	3	4	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)
#	0	0	0	1000	53	1000	67	1000	80	1000	61	1000	77
#	0	0	1	1115	48	1115	60	1115	72	1115	55	1115	69
#	0	1	0	1230	43	1230	54	1230	65	1230	50	1230	62
#	0	1	1	1345	40	1345	50	1345	59	1345	46	1345	57
#	1	0	0	1460	37	1460	46	1460	55	1460	42	1460	53
#	1	0	1	1575	34	1575	42	1575	51	1575	39	1575	49
#	1	1	0	1690	32	1690	39	1690	47	1690	36	1690	45
#	1	1	1	1805	30	1805	37	1805	44	1805	34	1805	43

Nominal Heating Airflows (CFM) and Temperature Rise (°F)									
D Cabinet				*SA/SK-126(†)-*D Models		*SC-108D-*D Models		*SC/SL-120D-*D Models	
Switch Settings HEAT				Input (BTU) 126000		Input (BTU) 108000		Input (BTU) 120000	
A/B	2	3	4	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)	CFM	Temp Rise (°F)
#	0	0	0	1500	62	1500	61	1500	68
#	0	0	1	1615	58	1615	57	1615	63
#	0	1	0	1730	54	1730	53	1730	59
#	0	1	1	1845	51	1845	50	1845	55
#	1	0	0	1960	48	1960	47	1960	52
#	1	0	1	2075	45	2075	44	2075	49
#	1	1	0	2190	43	2190	42	2190	47
#	1	1	1	2305	40	2305	40	2305	44

Switch not used - can be 0 or 1

NOTES:

1. Two openings are recommended for airflows above 1600 CFM if filter(s) is(are) adjacent to furnace.
2. Temperature rises in the table are approximate. Actual temperature rises may vary.
3. Temperature rises shaded in gray are for reference only. These conditions are not recommended.

AIRFLOW SWITCH SETTINGS - COOLING

A Cabinet Switch Settings						Nominal A/C and HP Capacity	
HEAT	COOL				CFM		
A/B	1	2	3	4	LOW		HIGH
0	0	0	0	0	360	525	
0	0	0	0	1	400	580	
0	0	0	1	0	440	635	
0	0	0	1	1	470	690	
0	0	1	0	0	515	745	
0	0	1	0	1	550	800	
0	0	1	1	0	590	855	
0	0	1	1	1	630	910	
0	1	0	0	0	665	965	
0	1	0	0	1	700	1020	
0	1	0	1	0	740	1075	
0	1	0	1	1	780	1130	
0	1	1	0	0	815	1185	
0	1	1	0	1	855	1240	
0	1	1	1	0	895	1295	
0	1	1	1	1	930	1350	

B Cabinet Switch Settings						Nominal A/C and HP Capacity	
HEAT	COOL				CFM		
A/B	1	2	3	4	LOW		CFM
1	0	0	0	0	483	700	
1	0	0	0	1	525	760	
1	0	0	1	0	565	820	
1	0	0	1	1	605	880	
1	0	1	0	0	650	940	
1	0	1	0	1	690	1000	
1	0	1	1	0	730	1060	
1	0	1	1	1	770	1120	
1	1	0	0	0	815	1180	
1	1	0	0	1	855	1240	
1	1	0	1	0	900	1300	
1	1	0	1	1	940	1360	
1	1	1	0	0	980	1420	
1	1	1	0	1	1020	1480	
1	1	1	1	0	1060	1540	
1	1	1	1	1	1104	1600	

C Cabinet Switch Settings						Nominal A/C and HP Capacity	
HEAT	COOL				CFM		
A/B	1	2	3	4	LOW		CFM
#	0	0	0	0	707	1025	
#	0	0	0	1	750	1090	
#	0	0	1	0	795	1155	
#	0	0	1	1	840	1220	
#	0	1	0	0	885	1285	
#	0	1	0	1	930	1350	
#	0	1	1	0	975	1415	
#	0	1	1	1	1020	1480	
#	1	0	0	0	1065	1545	
#	1	0	0	1	1110	1610	
#	1	0	1	0	1155	1675	
#	1	0	1	1	1200	1740	
#	1	1	0	0	1245	1805	
#	1	1	0	1	1290	1870	
#	1	1	1	0	1335	1935	
#	1	1	1	1	1380	2000	

D Cabinet Switch Settings						Nominal A/C and HP Capacity	
HEAT	COOL				CFM		
A/B	1	2	3	4	LOW		CFM
#	0	0	0	0	965	1400	
#	0	0	0	1	990	1440	
#	0	0	1	0	1020	1480	
#	0	0	1	1	1050	1520	
#	0	1	0	0	1070	1560	
#	0	1	0	1	1105	1600	
#	0	1	1	0	1130	1640	
#	0	1	1	1	1160	1680	
#	1	0	0	0	1185	1720	
#	1	0	0	1	1215	1760	
#	1	0	1	0	1240	1800	
#	1	0	1	1	1270	1840	
#	1	1	0	0	1295	1880	
#	1	1	0	1	1325	1920	
#	1	1	1	0	1350	1960	
#	1	1	1	1	1380	2000	

Switch not used - can be 0 or 1



Nortek Global HVAC LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC LLC warranty department for a copy.

758C-0608
 Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A. (06/08)