

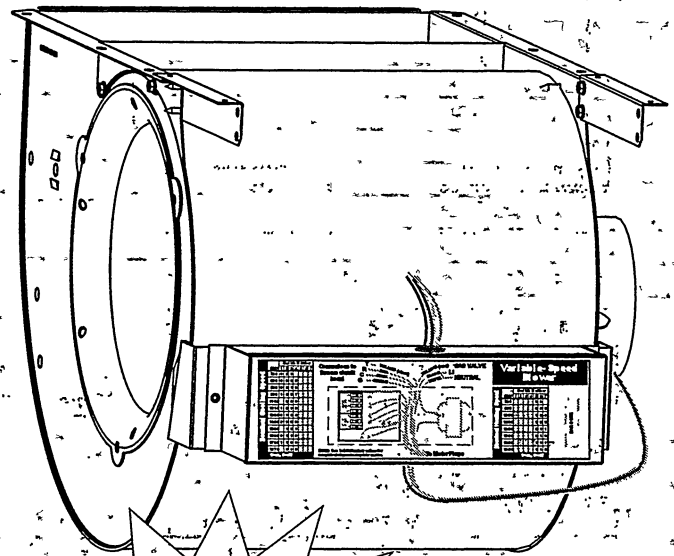
TECHNICAL SPECIFICATIONS

*G6 Variable Speed Blower Kit

Variable speed air delivery significantly improves overall system efficiency, indoor air quality, and sound levels. When matched with our *S3BD and *T3BD condensing units a SEER rating of up to 14 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 complete the variable speed story. In summary, the new *G6 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 14 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 original equipment 6 year warranty. Extended protection plans are available.
- 11" blower wheel for maximum airflow.
- One kit fits all "B" & "C" cabinets for *G6 (RA, RC, RD, RK and RL).



**NOW WITH
8 HEATING
AIRFLOWS**

Application of the Variable Speed Blower Kit for *G6-Series Furnaces

Model Series	Blower Size		
	-12	-16	-20
*G6RA	n/a	✓	✓
*G6RC	n/a	✓	✓
*G6RD	n/a	✓	✓
*G6RK	n/a	✓	n/a
*G6RL	n/a	✓	n/a

SPECIFICATIONS

Nominal Blower Size	11 x 10
Maximum Motor HP	3/4
Motor Type	Programable Variable Speed
RPM Range	300-1300
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

The heart of the variable speed blower kit for the G6 Series furnace is the ECM motor. "ECM" stands for electronically commutated motor. The ECM consists of a brushless DC type motor with a microcomputer-based variable speed drive located in the end bell. This drive continuously monitors RPM and torque output of the motor. This information, along with a set of blower constants developed in NORDYNE's laboratory, is fed into pre-programmed algorithms in the microprocessor to determine the correct motor output required to maintain constant airflow regardless of external static pressure.

The microprocessor also stores delay profiles developed by NORDYNE to optimize the efficiency and performance of NORDYNE split system air conditioners and heat pumps. More than just on and off delays, the variable speed blower "steps" through intermediate airflow levels during the pre-programmed on and off profiles. The result is smoother, more efficient operation. 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.

CFM	Switch Number							Nominal A/C H/P Capacity
	1	2	3	4	5	6	7	
720	0	0	0	1				2 TON
800	0	0	0	0				
880	0	0	1	0				2.5 TON
990	1	0	0	1				
1100	1	0	0	0				3 TON
1210	1	0	1	0				
1305	0	1	0	1				3.5 TON
1450	0	1	0	0				
1530	1	1	0	1				4 TON
1595	0	1	1	0				
1700	1	1	0	0				5 TON
1870	1	1	1	0				

Note: 1 = on (up), 0 = off (down)

Table 1: All Cooling/Heat Pump Airflow Settings

		Nominal Air-Flow							
		720	900	1056	1200	1350	1500	1656	1800
Switches	7	1	0	1	0	1	0	1	0
	6	0	0	0	0	1	1	1	1
	5	0	0	1	1	0	0	1	1
80+	60,000	62	49						
	72,000	74	59	51					
	96,000		79	67	59	53			
	120,000				74	66	59	54	49
	144,000						71	64	59
90+ & 92+	60,000	69	56	47					
	80,000			63	56	49	44	40	
	100,000				69	62	56	50	46
	120,000				83	74	67	60	56
93+	60,000	73	59	50					
	80,000			67	59	52	47		
	100,000				73	65	59	53	49
	120,000					79	71	64	59

Rise: °F (bold are recommended)

Table 2: Heating Airflow Settings

RATING MATRIX: AC with *G6 Variable Speed Blower Kit

OUTDOOR UNIT MODEL NUMBER (CONDENSING UNIT)	INDOOR UNIT MODEL NUMBER (COIL)	COOLING CAPACITY @ 95°F (BTUH)	E.E.R. "A"	S.E.E.R.
*S3BC-024K	C3BA-030(C,U)-B+VSB	23,400	13.00	13.00
*S3BC-030K	C3BA-036(C,U)-B+VSB(1)	29,400	12.80	13.00
*S3BC-036K	C3BA-042(C,U)-B+VSB	35,800	12.00	13.00
*S3BC-042K	C3BA-048(C,U)-B+VSB(1)	42,000	12.00	13.00
*S3BC-042K	C3BA-048(C,U)-C+VSB(1)	42,000	12.00	13.00
*S3BC-048K	C3BA-060(C,U)-C+VSB(1)	48,000	11.85	13.00
*S3BD-024K	C3BA-030(C,U)-B+VSB	25,800	14.10	14.00
*S3BD-030K	C3BA-036(C,U)-B+VSB(1)	30,800	13.70	14.00
*S3BD-036K	C3BA-042(C,U)-B+VSB	36,600	12.90	14.00
*S3BD-042K	C3BA-048(C,U)-B+VSB(1)	40,500	13.60	14.00
*S3BD-048K	C3BA-060(C,U)-C+VSB(1)	48,000	13.70	14.00

RATING MATRIX: HP with G6 Variable Speed Blower Kit

OUTDOOR UNIT MODEL NUMBER (CONDENSING UNIT)	INDOOR UNIT MODEL NUMBER (COIL)	COOLING CAPACITY @ 95°F (BTUH)	E.E.R. "A"	S.E.E.R.	HEATING CAPACITY @ 47°F (BTUH)	C.O.P. @ 47°F	HSPF
*T3BC-024K	C3BA-030(C,U)-B+VSB	24,200	13.70	13.00	22,100	3.40	7.50
*T3BC-030K	C3BA-036(C,U)-B+VSB(1)	28,800	13.35	13.00	28,000	3.50	7.80
*T3BC-036K	C3BA-042(C,U)-B+LLS+VSB	35,000	12.50	13.00	34,500	3.55	7.80
*T3BC-042K	C3BA-048(C,U)-B+LLS+VSB(1)	41,500	12.30	13.00	41,000	3.55	7.80
*T3BC-042K	C3BA-048(C,U)-C+LLS+VSB(1)	41,500	12.30	13.00	41,000	3.55	7.80
*T3BC-048K	C3BA-060(C,U)-C+VSB(1)	48,000	12.35	13.00	47,500	3.20	7.70
*T3BD-024K	C3BA-030(C,U)-B+VSB	25,600	14.20	14.00	24,000	3.69	8.50
*T3BD-030K	C3BA-036(C,U)-B+VSB(1)	30,400	13.50	14.00	27,600	3.66	8.50
*T3BD-036K	C3BA-042(C,U)-B+VSB	36,000	12.60	14.00	34,000	3.67	8.50
*T3BD-042K	C3BA-048(C,U)-B+VSB(1)	41,000	13.40	14.00	40,000	3.90	8.50
*T3BD-042K	C3BA-048(C,U)-C+VSB	41,000	13.40	14.00	40,000	3.90	8.50
*T3BD-048K	C3BA-060(C,U)-C+VSB+LLS(1)	47,500	12.65	14.00	48,000	3.94	8.50

(1) Coil available as horizontal cased.
 Note: See Current ARI Directory for certified combinations and ratings.

52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100

101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200



As an Energy Star Partner, NORDYNE has determined that this product meets the Energy Star guidelines for energy efficiency.

450A-0200 (Replaces 450A-0997)

St. Louis, MO **NORDYNE**

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. (3/00)