

N. DIAGNOSTICS

Fault Codes with Descriptions and Solutions:

	LOW FIRE NEGATIVE PRESSURE CONTROL (NPC) CLOSED (230V & 575V ONLY)	FAULT LEVEL
44	DESCRIPTION: The low-fire NPC should be open when the inducer is not operating. Before any heat cycle can begin, the NPC is tested to confirm the contacts are open. An ignition sequence will not occur if the low-fire NPC remains closed.	Problem
	CAUSE:	
	1. NPC contacts are welded shut/faulty switch.	
	2. Loose or faulty wiring	
	SOLUTION:	
	1. Replace low fire NPC.	
	2. Check wiring or connections, replace or repair as necessary.	
46	LOW FIRE NEGATIVE PRESSURE CONTROL (NPC) OPEN (230V & 575V ONLY)	Problem
	DESCRIPTION: Core Command will energize the inducer for 30 seconds (pre-purge) in an attempt to close the low fire NPC. The Core Command will make four attempts to close the low-fire NPC before declaring a fault and entering a one hour lockout.	
	CAUSE:	
	1. Faulty inducer.	
	2. Faulty Core Command	
	3. Loose or faulty wiring.	
	4. Disconnected, blocked, split or cut pressure switch hose.	
	5. Severe wind gusts (sporadic)	
	6. Faulty low fire pressure switch	
	SOLUTION:	
	1. Repair or replace inducer. Check inducer pressure to confirm negative pressure is adequate to close pressure switch.	
	2. Replace Core Command after confirming that NPC contacts are closed while inducer is running.	
	3. Check NPC wiring and connections to Core Command.	
	4. Confirm pressure switch hose is attached to pressure port on IDM and port on pressure switch. Confirm there is no split or cut in hose.	
	5. Consider using the flue "snorkel" accessory.	
	6. Replace pressure switch.	

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	HIGH-FIRE NEGATIVE PRESSURE CONTROL (NPC) CLOSED	FAULT LEVEL
55	DESCRIPTION: The high-fire NPC should be open when the inducer is not operating. Before any heat cycle can begin, the NPC is tested to confirm the contacts are open. An ignition sequence will not occur if the high-fire NPC remains closed.	Problem
	CAUSE:	
	1. NPC contacts are welded shut/faulty switch.	
	2. Loose or faulty wiring	
	SOLUTION:	
	1. Replace high-fire NPC. 2. Check wiring or connections, replace or repair as necessary	
57	High-Fire NEGATIVE PRESSURE CONTROL (NPC) OPEN (230V & 575V ONLY)	Problem, Shutdown
	DESCRIPTION: Furnace will ignite and operate in low-fire mode. Fault display established when thermostat calls for high-fire mode. Inducer high speed is energized and will remain on high speed for 60 seconds in an attempt to close high fire pressure switch. If pressure switch does not close after 60 seconds the inducer will drop to low speed and furnace will continue operation at low fire until high fire pressure switch closes or thermostat demand is satisfied.	
	CAUSE:	
	1. Faulty inducer or tap pressure inadequate to close high-fire NPC.	
	2. Faulty Core Command.	
	3. Loose or faulty wiring.	
	4. Disconnected, blocked, split or cut pressure switch hose.	
	5. Severe wind gusts (sporadic)	
	6. Faulty high fire pressure switch	
	SOLUTION:	
	1. Repair or replace inducer. Check inducer pressure to confirm negative pressure is adequate to close pressure switch.	
	2. Replace Core Command after confirming that NPC contacts are closed while inducer is running.	
	3. Check NPC wiring and connections to Core Command.	
	4. Confirm pressure switch hose is attached to pressure port on IDM and port on pressure switch. Confirm there is no split or cut in hose.	
	5. Consider using the flue hood accessory.	
	6. Replace pressure switch.	

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Fault Codes with Descriptions and Solutions:

	BLOWER FAULT – MOTOR CANNOT RUN	FAULT LEVEL
61	DESCRIPTION: This is a critical blower fault– such as an internal thermal overload that prevents the motor from running. Furnace will shut down if this fault occurs during heating operation. No other operations, including thermostat calls, will occur until this fault is cleared. This fault will occur during heating operation after the main limit control has been open for more than 150 seconds (2 min:30 sec.). If this happens, the Core Command determines that the motor is not functional and enters a hard lockout condition requiring repair of the motor and manual reset of power to the furnace.	Shutdown
	CAUSE:	
	1. The motor has tripped on thermal overload because of a restriction or bearing failure.	
	2. Wiring to the motor has become compromised.	
	3. The blower wheel has become damaged or is not properly attached to the motor shaft.	
	4. The motor has failed catastrophically.	
	SOLUTION:	
	1. Remove restriction or replace motor	
	2. Inspect and replace or repair wiring and/or connections to the motor	
	3. Replace blower wheel and/or attach wheel to motor shaft properly.	
	4. Replace motor.	

Fault Codes with Descriptions and Solutions:

460V NEGATIVE PRESSURE CONTROL FAULTS	
55 & 44	NEGATIVE PRESSURE CONTROL (NPC) CLOSED
	460V furnace uses a single–speed inducer and one pressure switch for low and high–fire operation. The NPC should be open when the inducer is not operating.
	DESCRIPTION: Before any heat cycle can begin, the NPC is tested to confirm the contacts are open. An ignition sequence will not occur if the NPC remains closed. Core Command will flash a “55” & “44” fault code (230V & 460V units use same Core Command, “44” is normal under this scenario).
	See CAUSE and SOLUTION for fault code “55” above.
57 & 46	NEGATIVE PRESSURE CONTROL (NPC) OPEN
	DESCRIPTION: The inducer will run for 20 seconds in an attempt to close the pressure switch. At that time the Core Command will flash a “57” & “46” fault code (230V & 460V units use same Core Command, “46” is normal under this scenario). Inducer will continue to run an additional 40 seconds before being de–energized. After a five minute period the Core Command will make another attempt to close the pressure switch. This cycle will repeat until the pressure switch closes or call for heat is removed.
	See CAUSE and SOLUTION for fault code “57” above.

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N.2.3. Non-applicable Fault Codes

The controls used in this product are common with a few other product families. Because of this, there are several fault codes that are programmed into the controls but DO NOT APPLY to this product. If one of these fault codes appear, clear the fault and continue

diagnostics. If the code persists, power down the unit and reapply power before continuing diagnostics.

These non-applicable fault codes are listed below:

Alarm Codes – NON-APPLICABLE FAULT CODES		
21	REFRIGERANT LOW PRESSURE SWITCH OPEN – CIRCUIT 2	Problem
30	REFRIGERANT HIGH PRESSURE SWITCH OPEN – CIRCUIT 2	Problem
34	Comfort Alert Code 4 for Compressor Circuit 2	Shutdown
35	Comfort Alert Code 5 for Compressor Circuit 2	Shutdown
36	Comfort Alert Code 6 for Compressor Circuit 2	Shutdown
37	Comfort Alert Code 7 for Compressor Circuit 2	Shutdown
38	Comfort Alert Code 8 for Compressor Circuit 2	Shutdown
39	Comfort Alert Code 9 for Compressor Circuit 2	Shutdown
50	FREEZE SWITCH OPEN – CIRCUIT 2	Problem

N.3. Common Mistakes

- These are a list of common mistakes made during installation.
- Drain Pan Connections, drain trap connected to the wrong outlet side, not connected at all, or insufficient trap depth.
- Connecting a W2 call only to try and get full heat all the time, Connect both W1 and W2 together if the job requirement or thermostat is setup for single stage heating.

- Connecting a Y2 call only to try and get full cooling all the time, Connect both Y1 and Y2 together if the job requirement or thermostat is setup for single stage cooling.
- Economizer connections, not installing the 3-wire jumper plug into the economizer wiring harness, if a factory option smoke detector is not used, this will cause a Smoke Detection Fault.

P. APPENDICES

Appendix A – General Product Data

GENERAL DATA –

Model (-)GECYB Series	036ACT 036ADT 036AJT	036ACU	036ADU	036AYT	036AYU
Cooling Performance^A					
Gross Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
EER2/SEER2 ^B	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/ AHRI Rated CFM [L/s]	1200/1175 [566/555]	1200/1175 [566/555]	1200/1175 [566/555]	1200/1175 [566/555]	1200/1175 [566/555]
AHRI Net Cooling Capacity Btu [kW]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]
Net Sensible Capacity Btu [kW]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]	25,600 [7.5]
Net Latent Capacity Btu [kW]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]	8,600 [2.52]
Net System Power kW	2.7	2.7	2.7	2.7	2.7
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)	78	78	78	78	78
Outdoor Coil – Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil – Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]	7.48 [0.69]
Rows / FPI [FPcm]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan – Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	4250 [2006]	4250 [2006]	4250 [2006]	4250 [2006]	4250 [2006]
No. Motors/HP	1 at 1/5	1 at 1/5	1 at 1/5	1 at 1/5	1 at 1/5
Motor RPM	850	850	850	850	850
Indoor Fan – Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	3/4	1 1/2	1	3/4	1 1/2
Motor RPM	1050	1050	1050	1050	1050
Motor Frame Size	48	48	48	48	48
Filter – Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]	72 [2041]	72 [2041]	72 [2041]	72 [2041]	72 [2041]
Weights					
Net Weight lbs. [kg]	556 [252]	562 [255]	562 [255]	606 [275]	612 [278]
Ship Weight lbs. [kg]	594 [269]	600 [272]	600 [272]	644 [292]	650 [295]

Note: Please look at the rating plates pasted on the side of the unit to understand the model number of your unit.

Appendix A – General Product Data (Cont.)

GENERAL DATA –

Model (-)GECYB Series	048ACT 048ADT 048AJT	048ACU	048ADU	048AYT	048AYU
Cooling Performance^A					
Gross Cooling Capacity Btu [kW]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]	48,000 [14.07]
EER2/SEER2 ^B	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/ AHRI Rated CFM [L/s]	1600/1570 [755/741]	1600/1570 [755/741]	1600/1570 [755/741]	1600/1570 [755/741]	1600/1570 [755/741]
AHRI Net Cooling Capacity Btu [kW]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]	45,500 [13.33]
Net Sensible Capacity Btu [kW]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]	34,200 [10.02]
Net Latent Capacity Btu [kW]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]	11,300 [3.31]
Net System Power kW	3.8	3.8	3.8	3.8	3.8
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)	85.3	85.3	85.3	85.3	85.3
Outdoor Coil – Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil – Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]
Rows / FPI [FPcm]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan – Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	5900 [2784]	5900 [2784]	5900 [2784]	5900 [2784]	5900 [2784]
No. Motors/HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP	1 at 1/2 HP
Motor RPM	1075	1075	1075	1075	1075
Indoor Fan – Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	3/4	1 1/2	1	3/4	1 1/2
Motor RPM	1050	1050	1050	1050	1050
Motor Frame Size	48	48	48	48	48
Filter – Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]	67 [1899]	67 [1899]	67 [1899]	67 [1899]	67 [1899]
Weights					
Net Weight lbs. [kg]	583 [264]	589 [267]	589 [267]	633 [287]	639 [290]
Ship Weight lbs. [kg]	621 [282]	627 [284]	627 [284]	671 [304]	677 [307]

Note: Please look at the rating plates pasted on the side of the unit to understand the model number of your unit.

P. APPENDICES

Appendix A – General Product Data (Cont.)

GENERAL DATA –

Model (-)GECYB Series	060ACT 060ADT 060AJT	060ACU	060ADU	060AYT	060AYU
Cooling Performance^A					
Gross Cooling Capacity Btu [kW]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
EER2/SEER2 ^B	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/ AHRI Rated CFM [L/s]	2000/1825 [944/861]	2000/1825 [944/861]	2000/1825 [944/861]	2000/1825 [944/861]	2000/1825 [944/861]
AHRI Net Cooling Capacity Btu [kW]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]	57,000 [16.71]
Net Sensible Capacity Btu [kW]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]	43,000 [12.6]
Net Latent Capacity Btu [kW]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]	14,000 [4.1]
Net System Power kW	5.0	5.0	5.0	5.0	5.0
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)	86	86	86	86	86
Outdoor Coil – Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.63 [16]	0.63 [16]	0.63 [16]	0.63 [16]	0.63 [16]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.66 [1.55]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil – Fin Type	Louvered	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	7.47 [0.69]
Rows / FPI [FPcm]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan – Type	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	5900 [2784]	5900 [2784]	5900 [2784]	5900 [2784]	5900 [2784]
No. Motors/HP	1 at 1/2	1 at 1/2	1 at 1/2	1 at 1/2	1 at 1/2 HP
Motor RPM	1075	1075	1075	1075	1075
Indoor Fan – Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	1	1 1/2	1 1/5	1	1 1/2
Motor RPM	1050	1050	1050	1050	1050
Motor Frame Size	48	48	48	48	48
Filter – Type	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]	80 [2268]	80 [2268]	80 [2268]	80 [2268]	80 [2268]
Weights					
Net Weight lbs. [kg]	586 [266]	592 [269]	592 [269]	636 [288]	642 [291]
Ship Weight lbs. [kg]	624 [283]	630 [286]	630 [286]	674 [306]	680 [308]

Note: Please look at the rating plates pasted on the side of the unit to understand the model number of your unit.

Appendix A – General Product Data (Cont.)

GENERAL DATA –

Model (-)GECYB Series	072ACT 072ADT	072ACU 072ADU	072ADU	072AYT	072AYU
Cooling Performance^A					
Gross Cooling Capacity Btu [kW]	72000 [21.1]	72000 [21.1]	72000 [21.1]	72000 [21.1]	72000 [21.1]
EER/IEER ^B	11.2/14.8	11.2/14.8	11.2/14.8	11.2/14.8	11.2/14.8
Nominal CFM/ AHRI Rated CFM [L/s]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]	2400/2400 [1133/1133]
AHRI Net Cooling Capacity Btu [kW]	68500 [20.08]	68500 [20.08]	68500 [20.08]	68500 [20.08]	68500 [20.08]
Net Sensible Capacity Btu [kW]	51500 [15.09]	51500 [15.09]	51500 [15.09]	51500 [15.09]	51500 [15.09]
Net Latent Capacity Btu [kW]	17000 [4.98]	17000 [4.98]	17000 [4.98]	17000 [4.98]	17000 [4.98]
Net System Power kW	6.2	6.2	6.2	6.2	6.2
Compressor					
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)	85	85	85	85	85
Outdoor Coil – Fin Type					
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]	16.46 [1.53]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil – Fin Type					
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	8.41 [0.78]	7.47 [0.69]
Rows / FPI [FPcm]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [50.80]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan – Type					
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]	1/26 [660.4]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	5900 [2784]	5900 [2784]	5900 [2784]	5900 [2784]	5900 [2784]
No. Motors/HP	1 at 3/4	1 at 3/4	1 at 3/4	1 at 3/4	1 at 3/4
Motor RPM	1100	1100	1100	1100	1100
Indoor Fan – Type					
FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]	1/11x11 [279x279]
Drive Type	Direct	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1	1
Motor HP	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5
Motor RPM	1300	1300	1300	1300	1300
Motor Frame Size	48	48	48	48	48
Filter – Type					
Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]	(4)2x16x16 [51x406x406]
Refrigerant Charge Oz. [g]	85 [2410]	85 [2410]	85 [2410]	85 [2410]	85 [2410]
Weights					
Net Weight lbs. [kg]	586 [266]	592 [269]	592 [269]	636 [288]	642 [291]
Ship Weight lbs. [kg]	624 [283]	630 [286]	630 [286]	674 [306]	680 [308]

Note: Please look at the rating plates pasted on the side of the unit to understand the model number of your unit.

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Appendix A – General Product Data (Cont.)

- A. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to • 20% of nominal CFM. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 (3-5T) and AHRI Standard 360 (6T).
- B. EER2, EER, and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures. Integrated Energy Efficiency Ratio (IEER) is rated in accordance with AHRI Standard 340/360.
- C. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

Unit Size - Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)							
		63	125	250	500	1000	2000	4000	8000
(-)GECYB036	78.0	48.7	58.1	63.9	67.0	67.8	64.7	60.6	54.7
(-)GECYB048	85.3	58.2	64.7	75.1	74.7	75.5	72.3	67.8	61.0
(-)GECYB060	86.0	58.2	62.5	76.7	75.0	75.2	77.0	69.0	60.0
(-)GECYB072	85.0	54.9	67.3	69.4	73.8	73.4	71.2	69.6	65.3

Appendix B – Electrical Data Without Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES								
		036ACT07 036ACT10	036ACU07 036ACU10	036ADT07 036ADT10	036ADU07 036ADU10	036AJT07 036AJT10	036AYT07 036AYT10	036AYU07 036AYU10
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	24	29	10	11	25	9	11
	Minimum Overcurrent Protection Device Size	30	35	15	15	30	15	15
	Maximum Overcurrent Protection Device Size	35	40	15	15	35	15	15
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA), Comp. 1	12.8	12.8	5.1	5.1	13.5	4.5	4.5
	Amps (LRA), Comp 1.	97.5	97.5	44.3	44.3	82.5	27.1	27.1
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/5	1/5	1/5	1/5	1/5	1/5	1/5
	Amps (FLA, each)	1	1	0.8	0.8	1	0.55	0.55
	Amps (LRA, each)	2.3	2.3	1.4	1.4	2.3	1.1	1.1
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230
	Phase	1	1	1	1	1	1	1
	HP	3/4	1 1/2	3/4	1	3/4	3/4	1 1/2
	Amps (FLA, each)	6	11.5	2.7	3.5	6	2.4	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Appendix B – Electrical Data With Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES								
		036ACT07 036ACT10	036ACU07 036ACU10	036ADT07 036ADT10	036ADU07 036ADU10	036AJT07 036AJT10	036AYT07 036AYT10	036AYU07 036AYU10
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	27	32	12	13	28	10	12
	Minimum Overcurrent Protection Device Size	30	40	15	15	35	15	15
	Maximum Overcurrent Protection Device Size	35	40	15	15	40	15	15
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA), Comp. 1	12.8	12.8	5.1	5.1	13.5	4.5	4.5
	Amps (LRA), Comp 1.	97.5	97.5	44.3	44.3	82.5	27.1	27.1
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/5	1/5	1/5	1/5	1/5	1/5	1/5
	Amps (FLA, each)	1	1	0.8	0.8	1	0.55	0.55
	Amps (LRA, each)	2.3	2.3	1.4	1.4	2.3	1.1	1.1
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230
	Phase	1	1	1	1	1	1	1
	HP	3/4	1 1/2	3/4	1	3/4	3/4	1 1/2
	Amps (FLA, each)	6	11.5	2.7	3.5	6	2.4	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix B – Electrical Data Without Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES								
		048ACT07 048ACT12	048ACU07 048ACU12	048ADT07 048ADT12	048ADU07 048ADU12	048AJT07 048AJT12	048AYT07 048AYT12	048AYU07 048AYU12
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	24	30	13	13	30	10	12
	Minimum Overcurrent Protection Device Size	30	35	15	15	35	15	15
	Maximum Overcurrent Protection Device Size	35	40	15	15	45	15	15
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA), Comp. 1	12.2	12.2	6.4	6.4	17.3	5.1	5.1
	Amps (LRA), Comp 1.	120.4	120.4	48.5	48.5	126	41	41
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.3	2.3	1.5	1.5	2.3	1	1
	Amps (LRA, each)	5.1	5.1	3.1	3.1	5.1	2.2	2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230
	Phase	1	1	1	1	1	1	1
	HP	3/4	1 1/2	3/4	1	3/4	3/4	1 1/2
	Amps (FLA, each)	6	11.5	2.7	3.5	6	2.4	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Appendix B – Electrical Data With Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES								
		048ACT07 048ACT12	048ACU07 048ACU12	048ADT07 048ADT12	048ADU07 048ADU12	048AJT07 048AJT12	048AYT07 048AYT12	048AYU07 048AYU12
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	27	33	15	16	34	11	14
	Minimum Overcurrent Protection Device Size	30	40	20	20	40	15	15
	Maximum Overcurrent Protection Device Size	35	40	20	20	50	15	15
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA), Comp. 1	12.2	12.2	6.4	6.4	17.3	5.1	5.1
	Amps (LRA), Comp 1.	120.4	120.4	48.5	48.5	126	41	41
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.3	2.3	1.5	1.5	2.3	1	1
	Amps (LRA, each)	5.1	5.1	3.1	3.1	5.1	2.2	2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230
	Phase	1	1	1	1	1	1	1
	HP	3/4	1 1/2	3/4	1	3/4	3/4	1 1/2
	Amps (FLA, each)	6	11.5	2.7	3.5	6	2.4	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix B – Electrical Data Without Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES								
		060ACT07 060ACT12	060ACU07 060ACU12	060ADT07 060ADT12	060ADU07 060ADU12	060AJT07 060AJT12	060AYT07 060AYT12	060AYU07 060AYU12
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	30	34	15	15	38	13	14
	Minimum Overcurrent Protection Device Size	35	40	20	20	45	15	20
	Maximum Overcurrent Protection Device Size	45	45	20	20	50	15	20
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA), Comp. 1	16	16	7.7	7.7	21.8	6.4	6.4
	Amps (LRA), Comp 1.	156.4	156.4	58.1	58.1	143	47.8	47.8
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.3	2.3	1.5	1.5	2.3	1	1
	Amps (LRA, each)	5.1	5.1	3.1	3.1	5.1	2.2	2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230
	Phase	1	1	1	1	1	1	1
	HP	1	1 1/2	1	1 1/5	1	1	1 1/2
	Amps (FLA, each)	7.6	11.5	3.5	3.7	7.6	3.04	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Appendix B – Electrical Data With Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES								
		060ACT07 060ACT12	060ACU07 060ACU12	060ADT07 060ADT12	060ADU07 060ADU12	060AJT07 060AJT12	060AYT07 060AYT12	060AYU07 060AYU12
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	187-253	518-633	518-633
	Volts	208/230	208/230	460	460	208/230	575	575
	Phase	3	3	3	3	1	3	3
	Hz	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	33	37	17	17	41	14	15
	Minimum Overcurrent Protection Device Size	40	45	20	20	50	15	20
	Maximum Overcurrent Protection Device Size	45	50	20	20	60	15	20
Compressor Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	3	3	3	3	1	3	3
	Amps (RLA), Comp. 1	16	16	7.7	7.7	21.8	6.4	6.4
	Amps (LRA), Comp 1.	156.4	156.4	58.1	58.1	143	47.8	47.8
Condenser Motor	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	575	575
	Phase	1	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.3	2.3	1.5	1.5	2.3	1	1
	Amps (LRA, each)	5.1	5.1	3.1	3.1	5.1	2.2	2.2
Evaporator Fan	No.	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230
	Phase	1	1	1	1	1	1	1
	HP	1	1 1/2	1	1 1/5	1	1	1 1/2
	Amps (FLA, each)	7.6	11.5	3.5	3.7	7.6	3.04	4.6
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Appendix B – Electrical Data Without Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES											
		072ACT07 072ACT12	072ACU07 072ACU12	072ADT07 072ADT12	072ADU07 072ADU12	072AYT07 072AYT12	072AYU07 072AYU12	072ACT07 072ACT12	072ACU07 072ACU12	072ADT07 072ADT12	072ADU07 072ADU12
		with REHEAT									
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	518-633	518-633	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	460	460	575	575	208/230	208/230	460	460
	Phase	3	3	3	3	3	3	3	3	3	3
	Hz	60	60	60	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	38	38	18	18	13	13	39	39	18	18
	Minimum Overcurrent Protection Device Size	45	45	20	20	15	15	45	45	20	20
	Maximum Overcurrent Protection Device Size	50	50	25	25	15	15	50	50	25	25
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	575	575	208-230	208-230	460	460
	Phase	3	3	3	3	3	3	3	3	3	3
	Amps (RLA), Comp. 1	19.2	19.2	9.1	9.1	6.2	6.2	19.2	19.2	9.1	9.1
	Amps (LRA), Comp 1.	162	162	70.8	70.8	58.2	58.2	162	162	70.8	70.8
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	575	575	208-230	208-230	460	460
	Phase	1	1	1	1	1	1	1	1	1	1
	HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Amps (FLA, each)	4.2	4.2	2.3	2.3	1.2	1.2	5.3	5.3	2.3	2.3
	Amps (LRA, each)	10.1	10.1	4.9	4.9	3.4	3.4	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230	208-230	460	460
	Phase	1	1	1	1	1	1	1	1	1	1
	HP	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5
	Amps (FLA, each)	9.6	9.6	3.7	3.7	3.8	3.8	9.6	9.6	3.7	3.7
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Appendix B – Electrical Data With Powered Exhaust

ELECTRICAL DATA – (-)GECYB SERIES											
		072ACT07 072ACT12	072ACU07 072ACU12	072ADT07 072ADT12	072ADU07 072ADU12	072AYT07 072AYT12	072AYU07 072AYU12	072ACT07 072ACT12	072ACU07 072ACU12	072ADT07 072ADT12	072ADU07 072ADU12
		with REHEAT									
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	518-633	518-633	187-253	187-253	414-506	414-506
	Volts	208/230	208/230	460	460	575	575	208/230	208/230	460	460
	Phase	3	3	3	3	3	3	3	3	3	3
	Hz	60	60	60	60	60	60	60	60	60	60
	Minimum Circuit Ampacity	41	41	20	20	14	14	42	42	20	20
	Minimum Overcurrent Protection Device Size	50	50	25	25	20	20	50	50	25	25
	Maximum Overcurrent Protection Device Size	60	60	25	25	20	20	60	60	25	25
Compressor Motor	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	575	575	208-230	208-230	460	460
	Phase	3	3	3	3	3	3	3	3	3	3
	Amps (RLA), Comp. 1	19.2	19.2	9.1	9.1	6.2	6.2	19.2	19.2	9.1	9.1
	Amps (LRA), Comp 1.	162	162	70.8	70.8	58.2	58.2	162	162	70.8	70.8
Condenser Motor	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	575	575	208-230	208-230	460	460
	Phase	1	1	1	1	1	1	1	1	1	1
	HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
	Amps (FLA, each)	4.2	4.2	2.3	2.3	1.2	1.2	5.3	5.3	2.3	2.3
	Amps (LRA, each)	10.1	10.1	4.9	4.9	3.4	3.4	N/A	N/A	N/A	N/A
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1	1
	Volts	208-230	208-230	460	460	208-230	208-230	208-230	208-230	460	460
	Phase	1	1	1	1	1	1	1	1	1	1
	HP	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5	1 1/5
	Amps (FLA, each)	9.6	9.6	3.7	3.7	3.8	3.8	9.6	9.6	3.7	3.7
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix C – Air Flow Performance Data

3-5T – Low Static – Sideflow (208-230V/575V)												
Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/WATTS	External Static Pressure – Inches W.C. [kPa]							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
(-)GECYB036 (3T)	1050/1350	3/4 HP [559]	Fan – Tap 1	CFM	1187	981	780	686	562	485	399	321
				WATTS	149	126	111	117	123	128	133	137
		3/4 HP [559]	Low Heat – Tap 2	CFM	1504	1435	1370	1304	1239	1176	1108	1047
				WATTS	269	281	293	302	314	326	335	344
		3/4 HP [559]	High Heat – Tap 3	CFM	1731	1668	1610	1554	1498	1444	1386	1336
				WATTS	394	408	421	432	447	459	472	485
(-)GECYB048 (4T)	1400/1800	3/4 HP [559]	Cooling – Tap 4 *	CFM	1504	1435	1370	1304	1239	1176	1108	1047
				WATTS	269	281	293	302	314	326	335	344
		3/4 HP [559]	High Speed – Tap 5	CFM	1642	1575	1517	1457	1400	1341	1287	1231
				WATTS	340	353	366	377	390	402	413	425
		3/4 HP [559]	Fan – Tap 1	CFM	1204	1021	893	813	729	618	519	451
				WATTS	157	136	133	140	147	157	163	169
(-)GECYB060 (5T)	1750/2250	3/4 HP [559]	Low Heat – Tap 2	CFM	1702	1639	1579	1516	1459	1400	1345	1297
				WATTS	364	376	389	402	413	425	436	447
		3/4 HP [559]	High Heat – Tap 3	CFM	1765	1700	1646	1591	1529	1472	1419	1366
				WATTS	402	415	427	439	452	464	474	488
		3/4 HP [559]	Cooling – Tap 4 *	CFM	1830	1786	1731	1677	1623	1573	1511	1465
				WATTS	449	460	472	487	500	515	529	540
(-)GECYB072 (6T)	2100/2700	3/4 HP [559]	High Speed – Tap 5	CFM	1942	1886	1838	1774	1722	1670	1618	1575
				WATTS	524	540	552	568	578	592	606	619
		1 HP [745]	Fan – Tap 1	CFM	1247	1055	973	890	817	733	620	552
				WATTS	158	137	145	151	160	168	172	180
		1 HP [745]	Low Heat – Tap 2	CFM	1650	1590	1527	1467	1415	1357	1307	1248
				WATTS	318	331	347	351	366	378	388	402
(-)GECYB060 (5T)	1750/2250	1 HP [745]	High Heat – Tap 3	CFM	1804	1753	1694	1646	1598	1539	1482	1432
				WATTS	416	427	442	453	466	479	490	504
		1 HP [745]	Cooling – Tap 4 *	CFM	2087	2040	1991	1944	1903	1864	1824	1771
				WATTS	658	673	688	702	718	733	748	762
		1 HP [745]	High Speed – Tap 5	CFM	2236	2179	2142	2093	2049	1997	1953	1896
				WATTS	759	777	789	808	823	844	854	851
(-)GECYB072 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - Tap 1	CFM	1384	1319	1249	1188	1127	1066	1006	947
				WATTS	192	204	215	225	240	245	255	265
		1.2 HP [895]	High Heat - Tap 2	CFM	1874	1833	1778	1730	1680	1630	1584	1539
				WATTS	421	435	450	466	480	495	510	525
		1.2 HP [895]	Low Cool - Tap 3	CFM	1546	1488	1427	1372	1316	1261	1203	1149
				WATTS	258	270	282	298	310	318	330	338
(-)GECYB072 (6T)	2100/2700	1.2 HP [895]	High Cool - Tap 4	CFM	2435	2402	2376	2328	2287	2256	2220	2197
				WATTS	986	1010	1030	1058	1091	1125	1144	1166
(-)GECYB072 (6T)	2100/2700	1.2 HP [895]	High Speed - Tap 5	CFM	2515	2476	2436	2415	2383	2339	2282	2221
				WATTS	1070	1103	1139	1163	1187	1215	1219	1221

NOTES

Factory tap settings are marked with an asterisk*

Pressure drops across the 3-5T CFM range (1050 – 2250). Pressure drops across the 6T CFM range (2100 – 2700). Wet coil: ~0.09 inches W.C.

Downflow: ~0.1 inches W.C. Reheat coil: ~0.09 inches W.C.

FER Testing: 3 ton model, 100K heating input, use Tap 3 as Q max.

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Appendix C – Air Flow Performance Data (Cont.)

3-5T – Low Static – Sideflow (460V)												
Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/WATTS	External Static Pressure – Inches W.C. [kPa]							
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]
(-)GECYB036 (3T)	1050/1350	3/4 HP [559]	Fan – Tap 1	CFM WATTS	957 94	867 102	777 110	686 117	562 125	477 130	388 135	313 140
		3/4 HP [559]	Low Heat – Tap 2	CFM WATTS	1155 140	1076 150	1001 159	922 168	843 176	767 184	669 193	597 200
		3/4 HP [559]	High Heat – Tap 3	CFM WATTS	1697 365	1641 378	1586 390	1530 404	1473 418	1413 432	1364 444	1314 457
		3/4 HP [559]	Cooling – Tap 4 *	CFM WATTS	1499 254	1436 266	1370 279	1309 291	1253 301	1190 313	1128 322	1073 332
		3/4 HP [559]	High Speed – Tap 5	CFM WATTS	1612 316	1551 329	1493 341	1435 353	1373 367	1316 379	1261 392	1205 404
(-)GECYB048 (4T)	1400/1800	3/4 HP [559]	Fan – Tap 1	CFM WATTS	1061 114	965 124	882 132	801 140	707 148	545 154	445 160	359 166
		3/4 HP [559]	Low Heat – Tap 2	CFM WATTS	1319 189	1247 200	1172 211	1105 221	1039 231	962 242	884 250	807 259
		3/4 HP [559]	High Heat – Tap 3	CFM WATTS	1737 374	1684 391	1624 404	1564 417	1509 430	1453 445	1400 458	1345 471
		3/4 HP [559]	Cooling – Tap 4 *	CFM WATTS	1805 420	1749 435	1698 449	1650 461	1602 475	1557 490	1504 504	1452 516
		3/4 HP [559]	High Speed – Tap 5	CFM WATTS	1923 485	1862 500	1813 514	1763 532	1711 545	1657 563	1610 576	1556 594
(-)GECYB060 (5T)	1750/2250	1 HP [745]	Fan – Tap 1	CFM WATTS	1107 126	1017 135	936 143	865 151	793 158	711 166	592 174	527 181
		1 HP [745]	Low Heat – Tap 2	CFM WATTS	1216 159	1140 168	1075 177	993 185	922 193	859 202	790 211	706 220
		1 HP [745]	High Heat – Tap 3	CFM WATTS	1770 394	1714 407	1658 420	1598 434	1545 447	1485 459	1432 471	1389 482
		1 HP [745]	Cooling – Tap 4 *	CFM WATTS	2078 606	2041 620	1991 635	1925 651	1867 667	1827 680	1780 695	1731 709
		1 HP [745]	High Speed – Tap 5	CFM WATTS	2192 720	2151 737	2105 752	2056 767	2005 784	1961 801	1923 815	1874 830
(-)GECYB0672 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - Tap 1	CFM WATTS	1384 192	1319 204	1249 215	1188 225	1127 240	1066 245	1006 255	947 265
		1.2 HP [895]	High Heat - Tap 2	CFM WATTS	1863 413	1821 428	1765 442	1717 459	1650 474	1617 488	1571 503	1526 518
		1.2 HP [895]	Low Cool - Tap 3	CFM WATTS	1546 258	1488 270	1427 282	1372 298	1316 310	1261 318	1203 330	1149 338
		1.2 HP [895]	High Cool - Tap 4	CFM WATTS	2395 928	2349 943	2295 961	2250 976	2199 987	2151 1001	2108 1016	2054 1032
		1.2 HP [895]	High Speed - Tap 5	CFM WATTS	2441 989	2398 1008	2367 1035	2320 1046	2276 1055	2218 1075	2170 1089	2118 1094

NOTES

Factory tap settings are marked with an asterisk*

Pressure drops across the 3-5T CFM range (1050 – 2250). Pressure drops across the 6T CFM range (2100 – 2700). Wet coil: ~0.09 inches W.C.

Downflow: ~0.1 inches W.C. Reheat coil: ~0.09 inches W.C.

Appendix C – Air Flow Performance Data (Cont.)

3-5T – High Static – Sideflow (208-230V/575V)												
Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/WATTS	External Static Pressure – Inches W.C. [kPa]							
					0.8 [.22]	0.9 [.25]	1 [.27]	1.1 [.3]	1.2 [.32]	1.3 [.35]	1.4 [.37]	1.5 [.37]
(-)GECYB036 (3T)	1050/1350	1.5 HP [1119]	Fan – Tap 1	CFM	580	502	431	367	316	257	195	127
				WATTS	210	217	223	228	234	240	246	252
		1.5 HP [1119]	Low Heat – Tap 2	CFM	1105	1047	984	923	863	800	740	684
				WATTS	372	383	393	404	413	421	429	438
		1.5 HP [1119]	High Heat – Tap 3	CFM	1302	1245	1193	1138	1080	1018	963	906
				WATTS	462	475	486	497	509	520	532	539
(-)GECYB048 (4T)	1400/1800	1.5 HP [1119]	Cooling – Tap 4 *	CFM	1068	1008	953	888	824	767	719	670
				WATTS	320	328	337	345	355	363	373	380
		1.5 HP [1119]	High Speed – Tap 5	CFM	1105	1047	984	923	863	800	740	684
				WATTS	372	383	393	404	413	421	429	438
		1.5 HP [1119]	Fan – Tap 1	CFM	1055	991	916	847	788	734	671	617
				WATTS	349	357	369	380	389	399	408	414
(-)GECYB060 (5T)	1750/2250	1.5 HP [1119]	Low Heat – Tap 2	CFM	1360	1311	1264	1214	1162	1105	1050	992
				WATTS	495	507	517	530	540	554	568	585
		1.5 HP [1119]	High Heat – Tap 3	CFM	1421	1369	1321	1271	1217	1167	1114	1053
				WATTS	526	539	550	563	575	586	602	616
		1.5 HP [1119]	Cooling – Tap 4 *	CFM	1188	1128	1073	1009	948	883	828	775
				WATTS	406	415	428	439	449	462	471	480
(-)GECYB072 (6T)	2100/2700	1.5 HP [1119]	High Speed – Tap 5	CFM	1495	1443	1394	1345	1292	1248	1195	1140
				WATTS	567	581	596	607	620	631	646	658
		1.5 HP [1119]	Fan – Tap 1	CFM	1244	1187	1125	1074	1016	956	878	812
				WATTS	431	439	456	461	477	486	492	510
		1.5 HP [1119]	Low Heat – Tap 2	CFM	1244	1187	1125	1074	1016	956	878	812
				WATTS	431	439	456	461	477	486	492	510
(-)GECYB072 (6T)	2100/2700	1.5 HP [1119]	High Heat – Tap 3	CFM	1537	1496	1455	1409	1362	1310	1257	1206
				WATTS	599	613	627	642	653	667	680	696
		1.5 HP [1119]	Cooling – Tap 4 *	CFM	1472	1432	1388	1338	1285	1233	1180	1134
				WATTS	557	570	585	599	610	623	636	649
		1.5 HP [1119]	High Speed – Tap 5	CFM	1686	1642	1605	1564	1523	1479	1428	1380
				WATTS	707	721	736	750	765	781	795	807
(-)GECYB072 (6T)	2100/2700	1.2 HP [895]	Fan/Low Heat - Tap 1	CFM	1237	1182	1137	1076	996	961	906	853
				WATTS	364	373	386	396	405	409	421	431
		1.2 HP [895]	High Heat - Tap 2	CFM	2043	2004	1953	1917	1879	1828	1783	1750
				WATTS	834	850	861	876	891	906	925	938
		1.2 HP [895]	Low Cool - Tap 3	CFM	1149	1082	1030	969	891	837	781	728
				WATTS	338	345	357	365	374	383	393	403
(-)GECYB072 (6T)	2100/2700	1.2 HP [895]	High Cool - Tap 4	CFM	2197	2155	2081	2034	1995	1940	1881	1791
				WATTS	1166	1190	1198	1203	1203	1203	1200	1160
(-)GECYB072 (6T)	2100/2700	1.2 HP [895]	High Speed - Tap 5	CFM	2221	2169	2115	2061	1997	1937	1873	1788
				WATTS	1221	1226	1227	1227	1223	1225	1208	1160

NOTES

Factory tap settings are marked with an asterisk*

Pressure drops across the 3-5T CFM range (1050 – 2250). Pressure drops across the 6T CFM range (2100 – 2700). Wet coil: ~0.09 inches W.C.

Downflow: ~0.1 inches W.C. Reheat coil: ~0.09 inches W.C.

FER Testing: 3 ton model, 100K heating input, use Tap 3 as Q max.

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Appendix C – Air Flow Performance Data (Cont.)

3-5T – High Static – Sideflow (460V)												
Unit Model (Tonnage)	Manufacturer Recommended Airflow Range (Min/Max) CFM	Motor HP [W]	Motor Speed	CFM/WATTS	External Static Pressure – Inches W.C. [kPa]							
					0.8 [.2]	0.9 [.22]	1 [.25]	1.1 [.27]	1.2 [.3]	1.3 [.32]	1.4 [.35]	1.5 [.37]
(-)GECYB036 (3T)	1050/1350	1 HP [745]	Fan – Tap 1	CFM	729	644	554	499	438	386	329	278
				WATTS	226	233	240	245	252	257	262	267
		1 HP [745]	Low Heat – Tap 2	CFM	729	644	554	499	438	386	329	278
				WATTS	226	233	240	245	252	257	262	267
		1 HP [745]	High Heat – Tap 3	CFM	1465	1421	1372	1320	1272	1226	1176	1122
				WATTS	535	547	559	571	583	593	603	615
		1 HP [745]	Cooling – Tap 4 *	CFM	1012	951	873	808	740	679	623	573
				WATTS	313	322	332	340	349	357	363	371
		1 HP [745]	High Speed – Tap 5	CFM	1345	1292	1239	1184	1135	1082	1016	947
				WATTS	460	472	483	493	503	513	525	537
		1 HP [745]	Fan – Tap 1	CFM	871	794	722	654	580	526	466	413
				WATTS	267	275	283	290	297	303	310	315
		1 HP [745]	Low Heat – Tap 2	CFM	1344	1292	1239	1192	1138	1084	1007	953
				WATTS	458	470	481	490	500	510	525	534
		1 HP [745]	High Heat – Tap 3	CFM	1514	1464	1415	1374	1323	1275	1228	1184
(-)GECYB048 (4T)	1400/1800			WATTS	561	576	589	600	611	622	633	645
		1 HP [745]	Cooling – Tap 4 *	CFM	1423	1376	1328	1277	1227	1184	1139	1067
				WATTS	509	521	533	544	555	565	576	589
		1 HP [745]	High Speed – Tap 5	CFM	1589	1545	1497	1463	1413	1367	1317	1275
				WATTS	618	633	647	660	672	683	695	705
		1.2 HP [895]	Fan – Tap 1	CFM	1091	1034	983	924	865	790	724	666
				WATTS	343	353	359	371	380	387	396	404
		1.2 HP [895]	Low Heat – Tap 2	CFM	1091	1034	983	924	865	790	724	666
				WATTS	343	353	359	371	380	387	396	404
		1.2 HP [895]	High Heat – Tap 3	CFM	1841	1794	1748	1703	1657	1615	1578	1538
(-)GECYB060 (5T)	1750/2250			WATTS	794	809	826	836	847	859	870	878
		1.2 HP [895]	Cooling – Tap 4 *	CFM	1762	1714	1669	1624	1580	1538	1496	1459
				WATTS	736	749	763	774	786	797	807	816
		1.2 HP [895]	High Speed – Tap 5	CFM	2046	2004	1970	1921	1880	1835	1801	1753
				WATTS	980	997	1003	1025	1045	1059	1072	1090
		1.2 HP [895]	Fan/Low Heat – Tap 1	CFM	1237	1182	1137	1076	996	961	906	853
				WATTS	364	373	386	396	405	409	421	431
		1.2 HP [895]	High Heat – Tap 2	CFM	2043	2004	1953	1917	1879	1828	1783	1750
				WATTS	834	850	861	876	891	906	925	938
		1.2 HP [895]	Low Cool – Tap 3	CFM	1149	1082	1030	969	891	837	781	728
(-)GECYB072 (6T)	2100/2700			WATTS	338	345	357	365	374	383	393	403
		1.2 HP [895]	High Cool – Tap 4	CFM	2054	2002	1952	1901	1852	1817	1778	1734
				WATTS	1032	1045	1061	1081	1097	1110	1128	1134
		1.2 HP [895]	High Speed – Tap 5	CFM	2118	2068	2010	1965	1924	1884	1829	1790
				WATTS	1094	1110	1131	1151	1166	1189	1181	1189

NOTES

Factory tap settings are marked with an asterisk*

Pressure drops across the 3-5T CFM range (1050 – 2250). Pressure drops across the 6T CFM range (2100 – 2700). Wet coil: ~0.09 inches W.C.

Downflow: ~0.1 inches W.C. Reheat coil: ~0.09 inches W.C.