

Foundation Gas/Electric Rooftop

Unit Overview - GDK102A3EHA**07M000000000000000000000000

Application	Unit Size	Supply Fan		External Dimensions (in.)			Operating Weight		EER	IEER/SEER	Elevation
Gas/Electric	8.5 Ton	Airflow	External Static Pressure	Height	Width	Length	Minimum	Maximum	11.20	14.60	
		3400 cfm	0.500 in H2O	4.09 ft	4.96 ft	7.35 ft	1063.0 lb	1372.0 lb			

Unit Features

SupplyFan/Drive/ MotorType Two speed fan standard motor

Unit Electrical

Voltage/phase/hertz 208-230/60/3

MCA 38.00 A

MOP 45.00 A



Controls

Unit Controls Electro-mechanical

Cooling Section

Entering Dry Bulb	80.00 F	Capacity	
Entering Wet Bulb	67.00 F	Gross Total	108.10 MBh
Ambient Temp	95.00 F	Gross Sensible	83.60 MBh
Leaving Coil Dry Bulb	59.30 F	Net Total	104.04 MBh
Leaving Coil Wet Bulb	56.60 F	Net Sensible	79.50 MBh
Leaving Unit Dry Bulb	58.66 F	Fan Motor Heat	4.06 MBh
Leaving Unit Wet Bulb	56.35 F	Refrig Charge-circuit 1	4.3 lb
		Refrig Charge-circuit 2	3.9 lb

Heating Section

Heat Type	Gas heat
Heating Stages	1
Input Heating Capacity	225.00 MBh
Output Heating Capacity	180.00 MBh
Output Heating Capacity with Fan	180.00 MBh
Heating EAT	70.00 F
Heating LAT	118.79 F
Heating Temp Rise	48.79 F

Fan Section

Indoor Fan Data		Outdoor Fan Data	
Type	FC Centrifugal	Type	Propeller
Drive Type	Belt	Fan Quantity	2
Indoor Fan Performance		Drive Type Direct	
Airflow	3400 cfm	Outdoor Fan Performance	
Design ESP	0.500 in H2O	Outdoor Motor Power	0.65 kW
Component SP	0.000 in H2O	Condenser Fan FLA	1.50 A
Total SP	0.500 in H2O	Exhaust Fan Data	
Indoor Motor Operating Power	1.88 bhp	Type	FC Centrifugal
Indoor Motor Power	1.49 kW	Drive Type	Direct
Indoor RPM	821 rpm	Exhaust Fan Performance	
		Exhaust Fan FLA	7.20 A

Compressor Section

Power	7.56 kW
Compressor 1 RLA	12.10 A
Compressor 2 RLA	12.00 A

Accessories

Economizer Conversion Kit None

