



SUBMITTAL DATA FOR GREE HEAT PUMP AND INDOOR COIL

OUTDOOR HEAT PUMP MODEL: GUD36W/A-D(U)

INDOOR COIL MODEL: GCAT24F/NaA

AHRI Certificate #: 211644150

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	
Unit Designation	Schedule No.	

GCAT24F/NaA	GUD36W/A-D(U)
	
GENERAL FEATURES	

High Efficiency DC Inverter Technology
Compact and Quiet – As low as 56 dB(A) Sound Rating
Side Discharge Outdoor, Unit Zero Lot Line Design
Universal match to Furnaces
Designed for New Construction or Replacement Market
24VAC Thermostat Compatible
Low Ambient Cooling down to 5°F
Low Ambient Heating down to -22°F
Acrylic Resin/Anti-Corrosion Fin Coating (Blue - 500 Hr Salt Spray Rating)



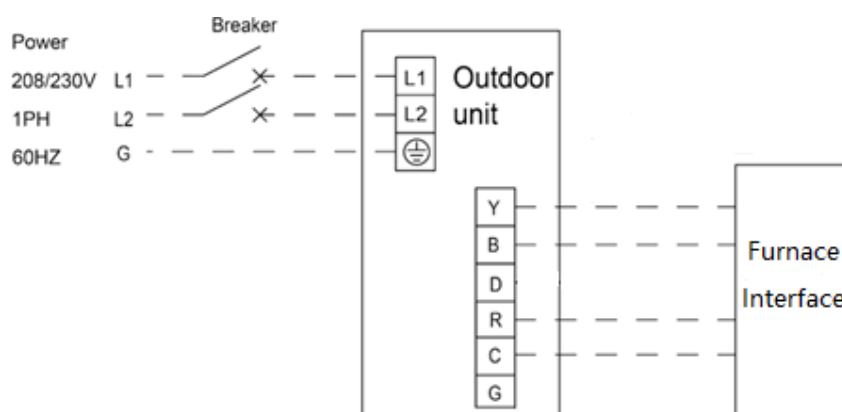
SPECIFICATIONS		GCAT24F/NaA/GUD36W/A-D(U)	
System Type	HEAT PUMP		
SYSTEM PERFORMANCE			
Cooling	Rated capacity @ 95 °F	BTU/h	23000
	Min-Max Capacity	BTU/h	8700-23400
Heating	Rated capacity @ 47 °F	BTU/h	24000
	Rated capacity @ 17 °F	BTU/h	16800
	Min-Max capacity	BTU/h	9000-24400
SEER2/EER2			15.2/11
HSPF2(Region IV)/COP			8.5/3.23
Cooling temperature range		°F	5~129
Heating temperature range		°F	-22~75
INDOOR UNIT		GCAT24F/NaA	
Unit dimension (W×H×D)		inch	17-1/2×23×21-1/4
Refrigerant charged-R410A		lbs	0.55
Weight		lbs	64
OUTDOOR UNIT		GUD36W/A-D(U)	
Compressor Type			Inverter Rotary
Compressor RLA		amps	16
Fan motor output power		W	149
Fan motor		amps	1.5
Sound pressure level (cooling/heating)		dB(A)	55
Unit dimension (W×H×D)		inch	37×32-1/4×20-1/8
Refrigerant charged-R410A		lbs	9.3
Weight		lbs	217
REFRIGERANT PIPING			
Line set size (liquid -gas)		inch	3/8 – 3/4
Pre-charge length		ft	31
Additional charge		Oz/ft	0.36
Max. pipe length		ft	98.4
Max. pipe elevation		ft	49.2
ELECTRICAL			
Power supply			208-230V/1Ph/60Hz
Outdoor unit	Rated current (Cooling/Heating)	amps	21/25
	MCA/MOCP	amps	24/35



FEATURES SUMMARY

Compressor	Inverter
Ultra Low Frequency Torque Control	YES
Power Factor Correction	YES
Compressor Type	Rotary
Refrigerant Type	R410A
Outdoor Electronic Expansion Valve	YES
Basepan with Electric Heater	YES
Compressor with Electric Heater	YES
Fin Coating	Acrylic Resin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
24VAC Thermostat Compatible	YES

ELECTRICAL WIRING



Y – Compressor Control

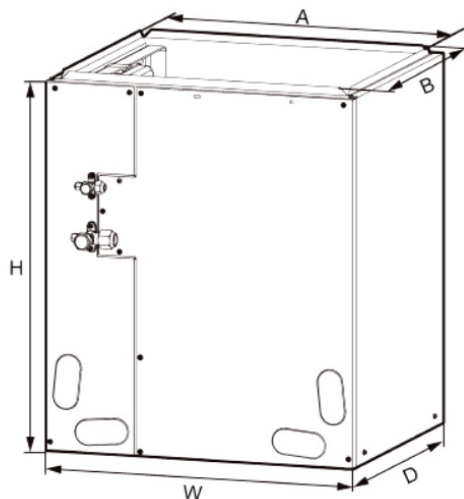
B – Reversing Valve (4-way Valve) Control – Energized in Heating when used as a heat pump

R – 24V AC power Supply

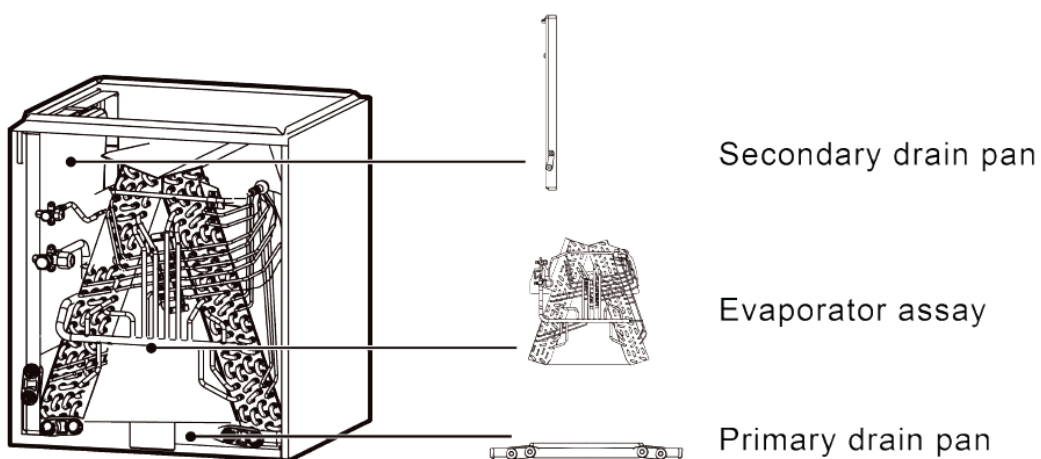
C – 24V Common

DIMENSIONS

GCAT24F/NaA

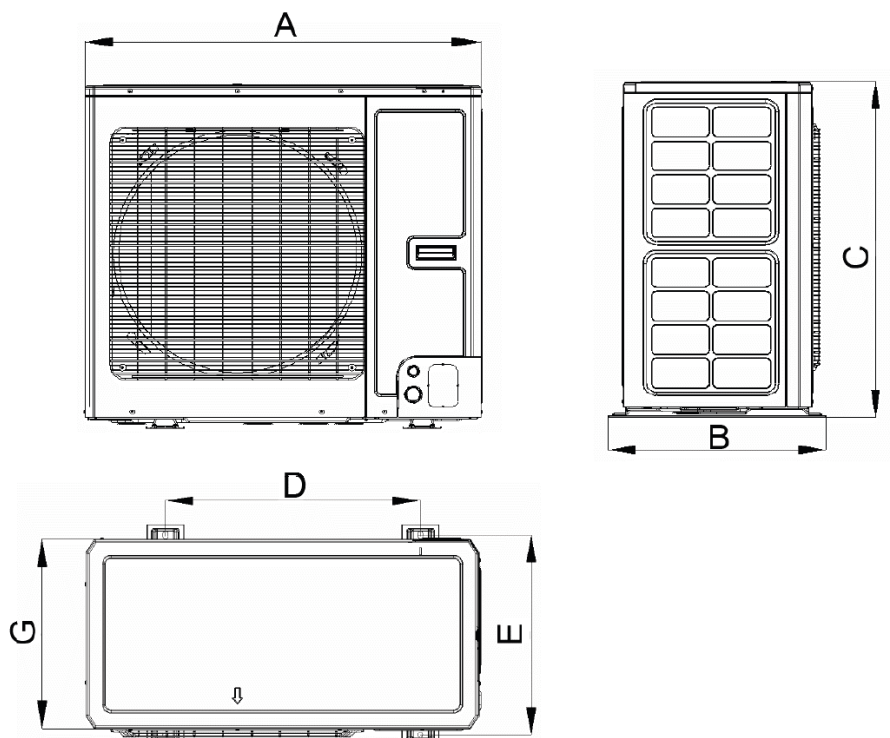


Model	Dimension					Unit: inch
	W	D	H	A	B	
GCAT24F/NaA	17-1/2	21-1/4	23	15-7/8	19-3/8	



DIMENSIONS

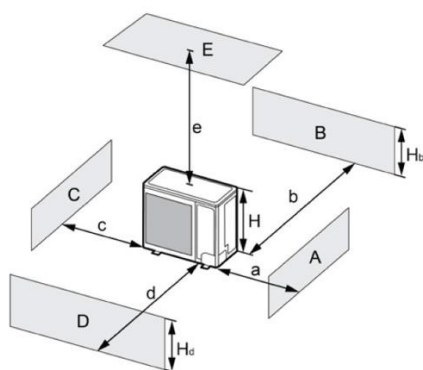
GUD36W/A-D(U)



Model	Dimensions						Unit: inch
	A	B	C	D	E	G	
GUD36W/A-D(U)	37	20-1/8	32-1/4	24	19-1/8	18-1/8	

Clearance Requirement

Clearance Requirement



A~E	H _b	H _d	H	(mm)				
				a	b	c	d	e
B	—	—	—	-	≥100	-	-	-
A,B,C,	—	—	—	≥300	≥100	≥100	-	-
B,E	—	—	—	-	≥100	-	-	≥1000
A,B,C,E	—	—	—	≥300	≥150	≥150	-	≥1000
D	—	—	—	-	-	-	≥1000	-
D,E	—	—	—	-	-	-	≥1000	≥1000
B,D	H _b < H _d	H _d > H	-	≥100	-	-	≥1000	-
	H _b > H _d	H _d < H	-	≥100	-	-	≥1000	-
B,D,E	H _b < H _d	H _b ≤ 1/2H	-	≥250	-	-	≥2000	≥1000
		1/2H < H _b ≤ H	-	≥250	-	-	≥2000	≥1000
		H _b > H	Prohibited					
	H _b > H _d	H _d ≤ 1/2H	-	≥100	-	-	≥2000	≥1000
		1/2H < H _d ≤ H	-	≥200	-	-	≥2000	≥1000
		H _d > H	Prohibited					