

SUBMITTAL DATA FOR GREE HEAT PUMP AND INDOOR COIL

OUTDOOR HEAT PUMP MODEL: GUD60W/A-D(U)

INDOOR COIL MODEL: GCAT60H/NaA

AHRI Certificate #: 211644153

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

GCAT60H/NaA	GUD60W/A-D(U)
	
GENERAL FEATURES	

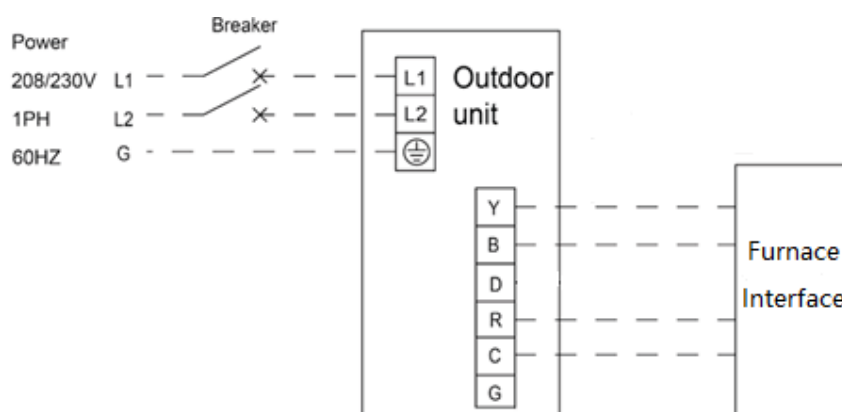
High Efficiency DC Inverter Technology
Compact and Quiet – As low as 56 dB(A) Sound Rating
Side Discharge Outdoor, Unit Zero Lot Line Design
Universal match to Furnaces
Designed for New Construction or Replacement Market
24VAC Thermostat Compatible
Low Ambient Cooling down to 5°F
Low Ambient Heating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

SPECIFICATIONS		GCAT60H/NaA/GUD60W/A-D(U)	
System Type	HEAT PUMP		
SYSTEM PERFORMANCE			
Cooling	Rated capacity @ 95 °F	BTU/h	53000
	Min-Max Capacity	BTU/h	15200-54000
Heating	Rated capacity @ 47 °F	BTU/h	53000
	Rated capacity @ 17 °F	BTU/h	35200
	Min-Max capacity	BTU/h	15000-54000
SEER2/EER2			15.2/9.5
HSPF2 (Region IV)/COP			8.5/2.79
Cooling temperature range		°F	5~129
Heating temperature range		°F	-22~75
INDOOR UNIT		GCAT60H/NaA	
Unit dimension (W×H×D)		inch	24-1/2×28-1/2×21-1/4
Refrigerant charged-R410A		lbs	0.55
Weight		lbs	95
OUTDOOR UNIT		GUD60W/A-D(U)	
Compressor Type			Inverter Rotary
Compressor RLA		amps	19
Fan motor output power		W	149
Fan motor		amps	1.5
Sound pressure level (cooling/heating)		dB(A)	58
Unit dimension (W×H×D)		inch	39-3/8×53-5/8×14-1/2
Refrigerant charged-R410A		lbs	13.8
Weight		lbs	308
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	30/31
	MCA/MOCP	amps	35/45

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

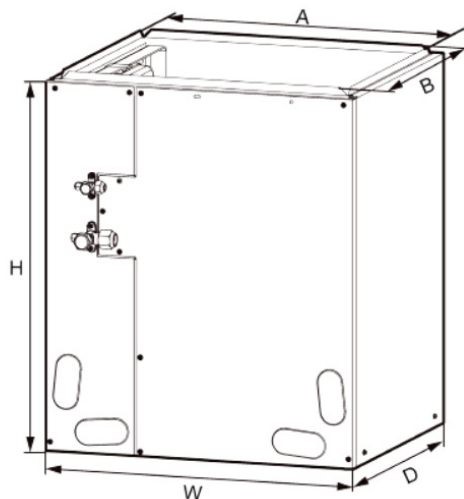
B – Reversing Valve (4-way Valve) Control – Energized in Heating when used as a heat pump

R – 24V AC power Supply

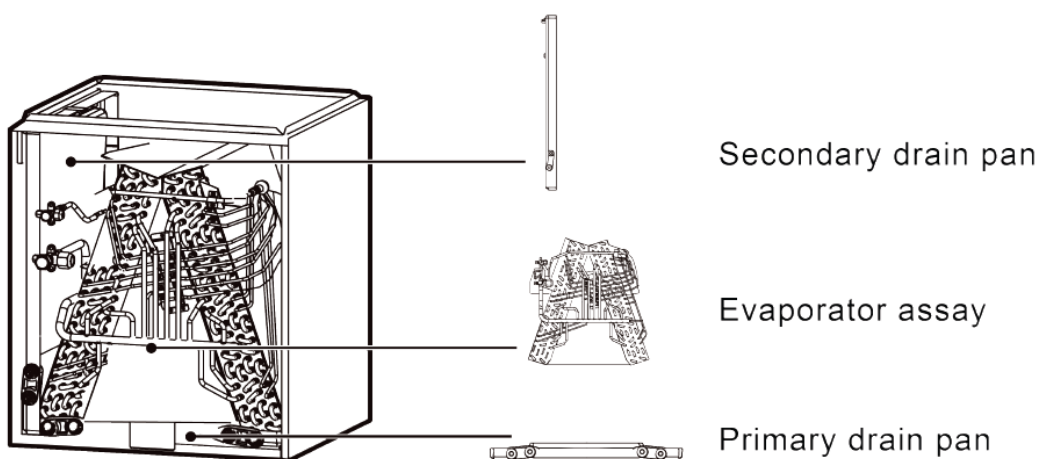
C – 24V Common

DIMENSIONS

GCAT60H/NaA

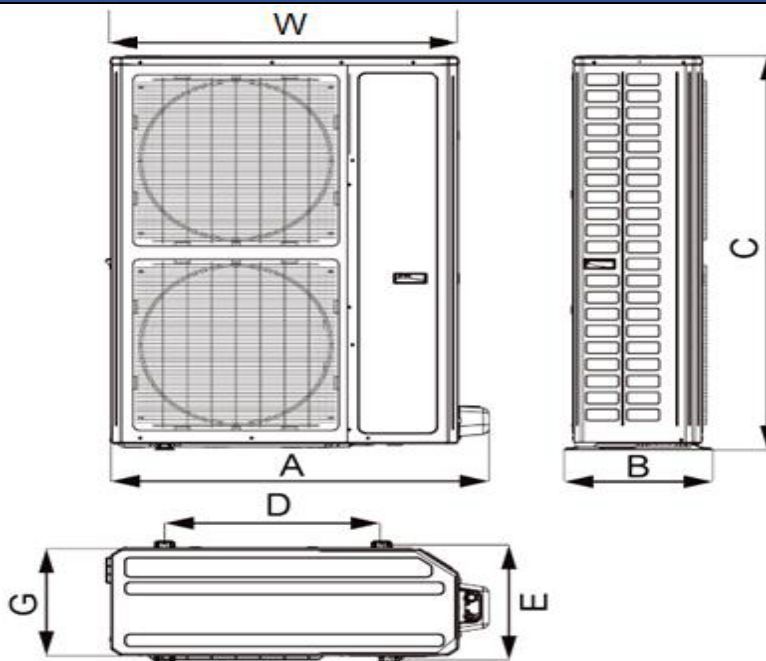


Model	Dimension					Unit: inch
	W	D	H	A	B	
GCAT48H/NaA	24-1/2	21-1/4	28-1/4	22-7/8	19-3/8	



DIMENSIONS

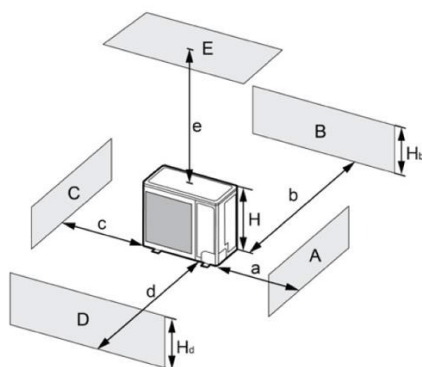
GUD60W/A-D(U)



Model	Dimensions							Unit: inch
	A	B	C	D	E	G	W	
GUD60W/A-D(U)	42-3/4	16-7/8	53-5/8	24-3/8	15-5/8	14-1/2	39-3/8	

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	$H_b < H_d$	$H_b \leq 1/2H$	-	≥ 250	-	≥ 2000	≥ 1000	-
		$1/2H < H_b \leq H$	-	≥ 250	-	≥ 2000	≥ 1000	-
		$H_b > H$	Prohibited					-
	$H_b > H_d$	$H_d \leq 1/2H$	-	≥ 100	-	≥ 2000	≥ 1000	-
		$1/2H < H_d \leq H$	-	≥ 200	-	≥ 2000	≥ 1000	-
		$H_d > H$	Prohibited					-