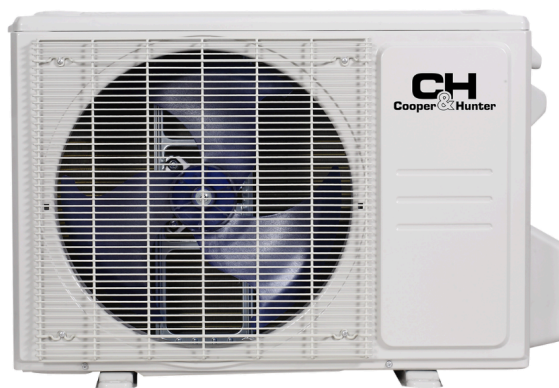


Job Name:	_____	Date:	_____
Location:	_____	Approval:	_____
Engineer:	_____	Construction:	_____
Submitted to:	_____	Unit #:	_____
Submitted by:	_____	Drawing #:	_____
Reference:	_____		_____

KEY FEATURES:

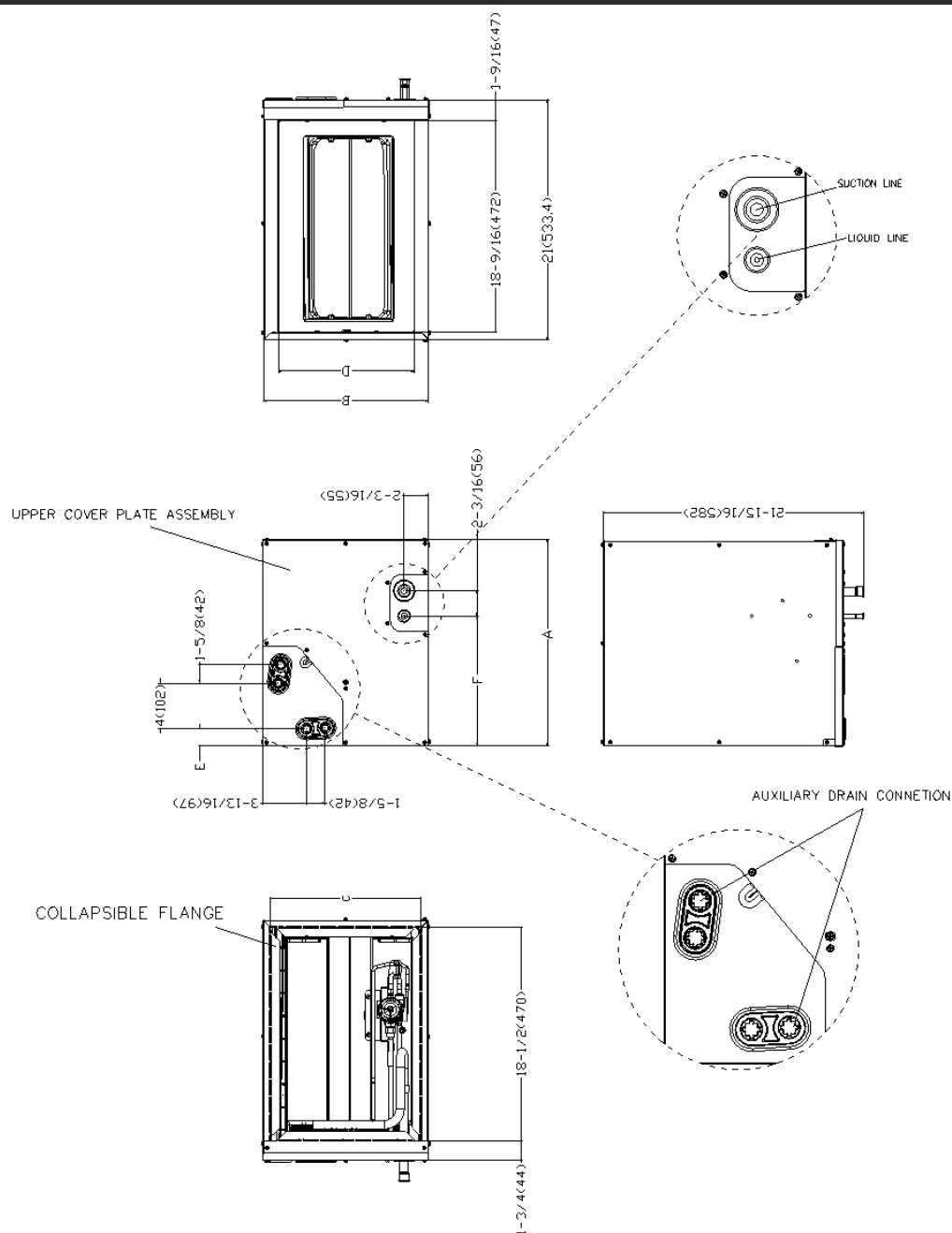
- Heat pump operation for heating and cooling
- Inverter-driven variable-capacity compressor
- 24V communicating controls
- 1.5 to 5 ton capacities
- R-454B refrigerant
- High SEER2 efficiency
- Quiet, soft-start operation
- Multi-position indoor coil installation
- Compatible with existing furnaces
- TXV valve and flared connections
- GoldFin anti-corrosion aluminum coil
- R-454B refrigerant sensor
- Easy-access coil maintenance
- Efficient condensate drainage

NOTES:

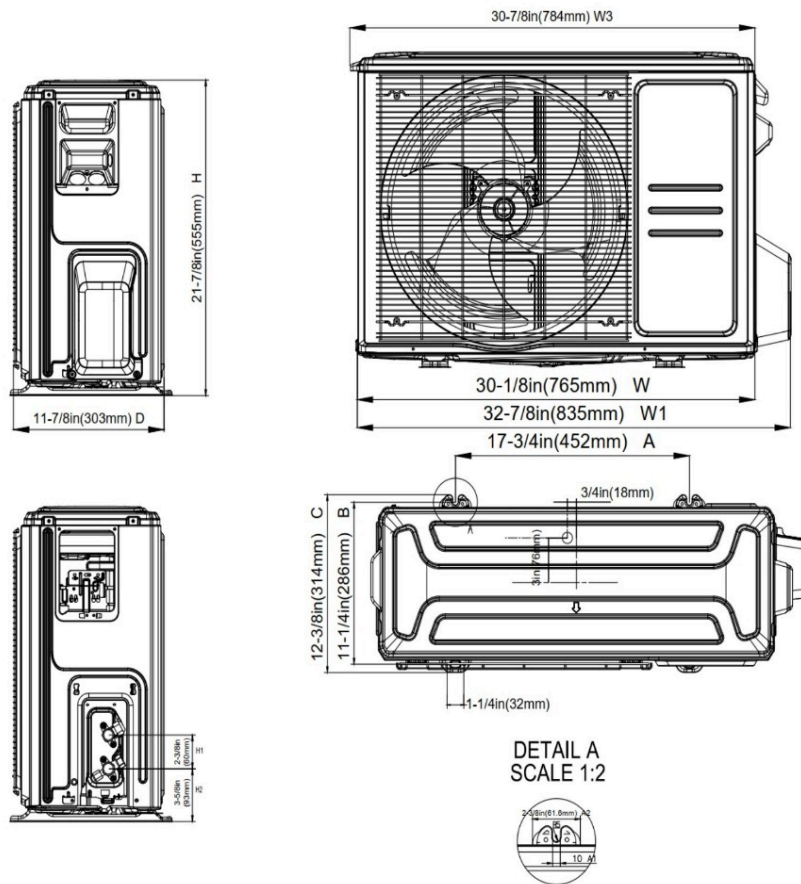


Indoor Model			CH-ACL18-24A
Power supply		V, Ph, Hz	24V,60Hz,1Ph
Communication wiring		AWG	20x2
Cooling	Capacity	Btu/h	6,500~20,000
	Input	w	1,765(310~2,300)
	Rated current	A	7.5(2.4~10.0)
	EER/EER2	Btu/w	9
	SEER/SEER2	Btu/w	14.7
Heating at 47 °F	Capacity	Btu/h	6,800~19,000
	Input	W	600~1,850
	Rated current	A	1.1~8.5
	COP	W/W	3.1
	HSPF4/HSPF2-4		8.2
	HSPF5/HSPF2-5		6.5
Indoor fan motor	Qty		1
	Input		/
	RLA		/
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	/
ESP (range)		ln.wg.	/
Indoor noise level (Hi/Med/Lo)		dB(A)	/
Dehumidification		L/H	4.96
Indoor unit	Dimensions (WxDxH)	inch	14-1/2x21x18
	Packing (WxDxH)	inch	17-1/2x25-3/8x20-5/8
	Net/Gross weight	lbs	42/50
Drainage water pipe diameter		inch	3/4"
Refrigerant piping (Liquid side/Gas side)		inch	3/8" 3/4"
Design pressure		PSIG	550 / 340
Controller			120N/24V
Room temperature	Cooling	F	60~90
	Heating	F	60~90

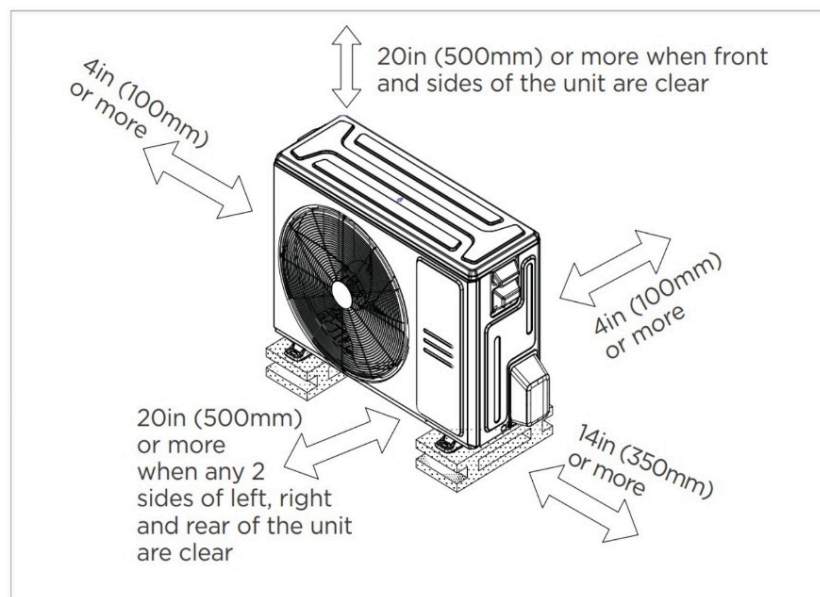
Outdoor Model			CH-ALT18HP24V-230VO
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Min. circuit ampacity		A	16
Max. fuse		A	20
Compressor	Model		KSN140D21UFZ
	Type		ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	1,765.00
	Rated current (RLA)	A	7.5
	Refrigerant oil	oz	VG74
Outdoor fan motor	Qty		1
	Input	w	34
	RLA	A	0.8
	Speed	r/min	840/700/500
Outdoor air flow (Max)		CFM	1236
Outdoor noise level (Max)		dB(A)	49.68
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	30.12 x 11.93 x 21.85
	Packing (WxDxH)	inch	34.92 x 13.27 x 24.02
	Net/Gross weight	inch	66.80/73.19
Refrigerant	Type		R454B
	Precharge	ft	24.6
Additional charge for 1/4 inch liquid pipe		oz	
Additional charge for 3/8 inch liquid pipe		oz	.7 oz/ft
Refrigerant piping	Liquid side/Gas side	inch	3/8" 3/4"
	Max. pipe length	ft	98.4'
	Max. difference in level	ft	65.6'
Ambient temperature	Cooling	F	-13~122
	Heating	F	-13~75



Model(Btu/h) Dimensions		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417
Model(Btu/h) Dimensions		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		



Installation Instruction For Outdoor Unit



Meets all spatial requirements shown in Installation Clearance Requirements above.