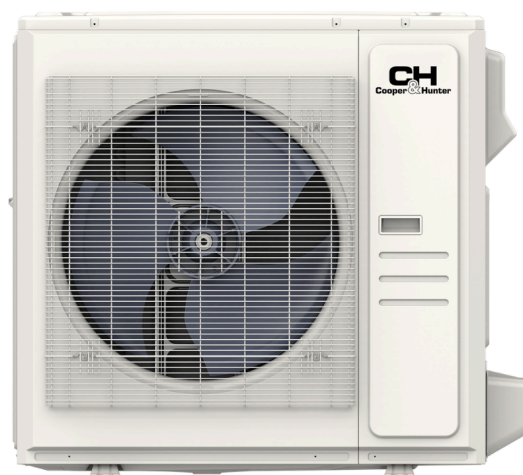


Job Name:	_____	Date:	_____
Location:	_____	Approval:	_____
Engineer:	_____	Construction:	_____
Submitted to:	_____	Unit #:	_____
Submitted by:	_____	Drawing #:	_____
Reference:	_____		_____

KEY FEATURES:

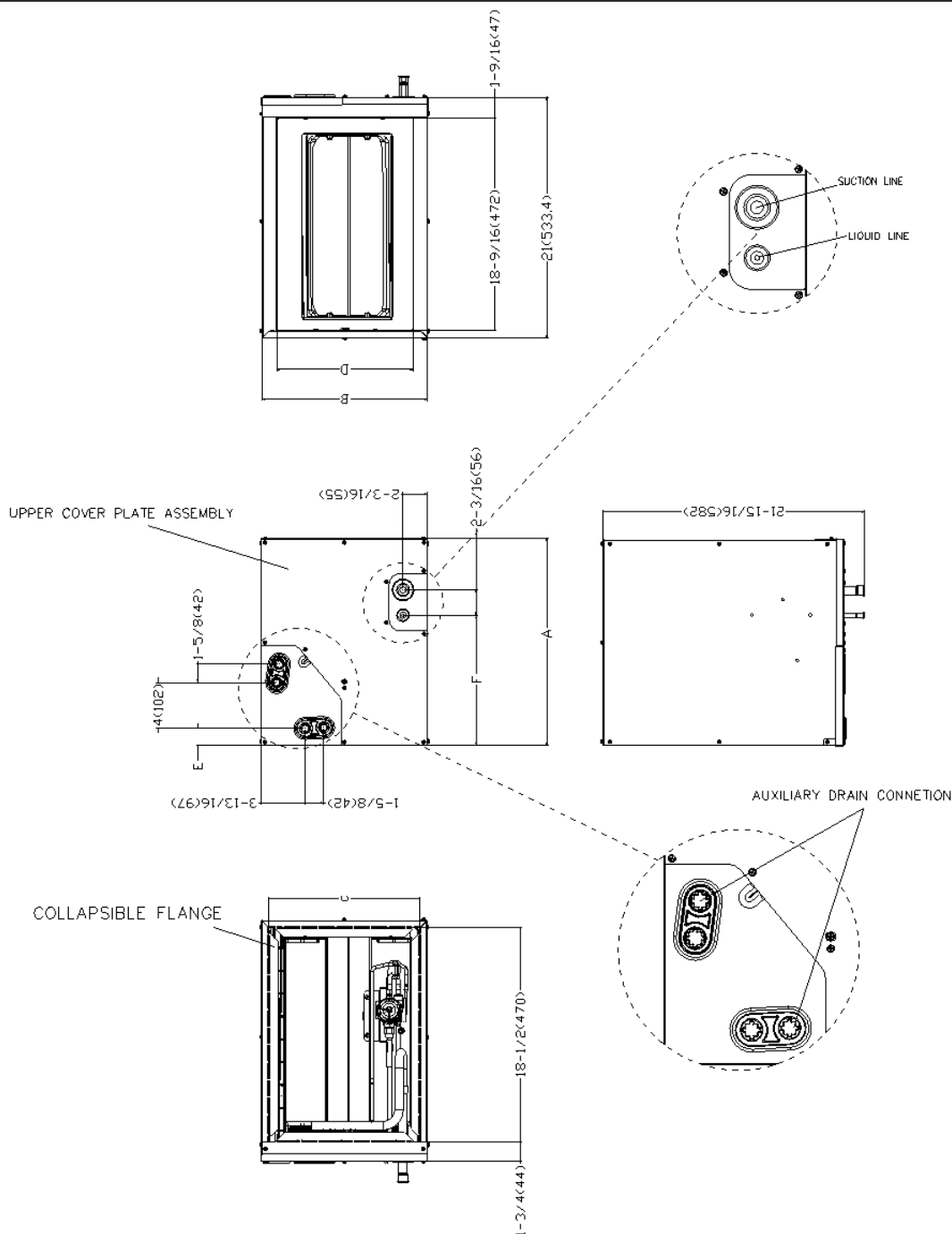
- Heat pump operation for heating and cooling
- Inverter-driven variable-capacity compressor
- 24V communicating controls
- 1.5 to 5 ton capacities
- R-454B refrigerant
- High SEER2 efficiency
- Quiet, soft-start operation
- Multi-position indoor coil installation
- Compatible with existing furnaces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

NOTES:

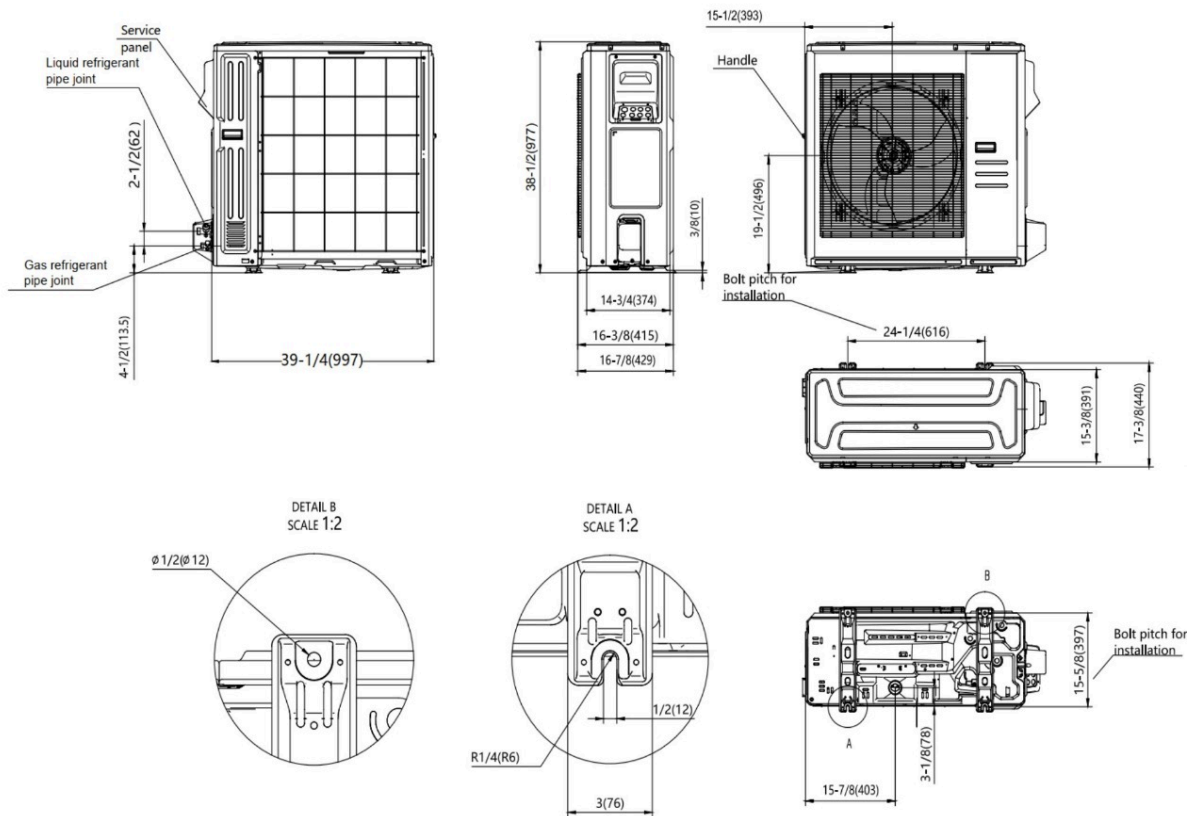


Indoor Model			CH-ACL48-60D
Power supply		V, Ph, Hz	24V,60Hz,1Ph
Communication wiring		AWG	20x2
Cooling	Capacity	Btu/h	15,500~50,000
	Input	w	6,100(1,430~6,150)
	Rated current	A	24.8(3.3~24.5)
	EER/EER2	Btu/w	8.1
	SEER/SEER2	Btu/w	14.3
Heating at 47 °F	Capacity	Btu/h	10,600~50,000
	Input	W	1,210~5,190
	Rated current	A	6.0~20.7
	COP	W/W	2.7
	HSPF4/HSPF2-4		7.3
	HSPF5/HSPF2-5		6.3
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	8.4
Indoor unit	Dimensions (WxDxH)	inch	24-1/2x21x28
	Packing (WxDxH)	inch	27-3/4x26-1/8x30-3/8
	Net/Gross weight	lbs	81/92
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

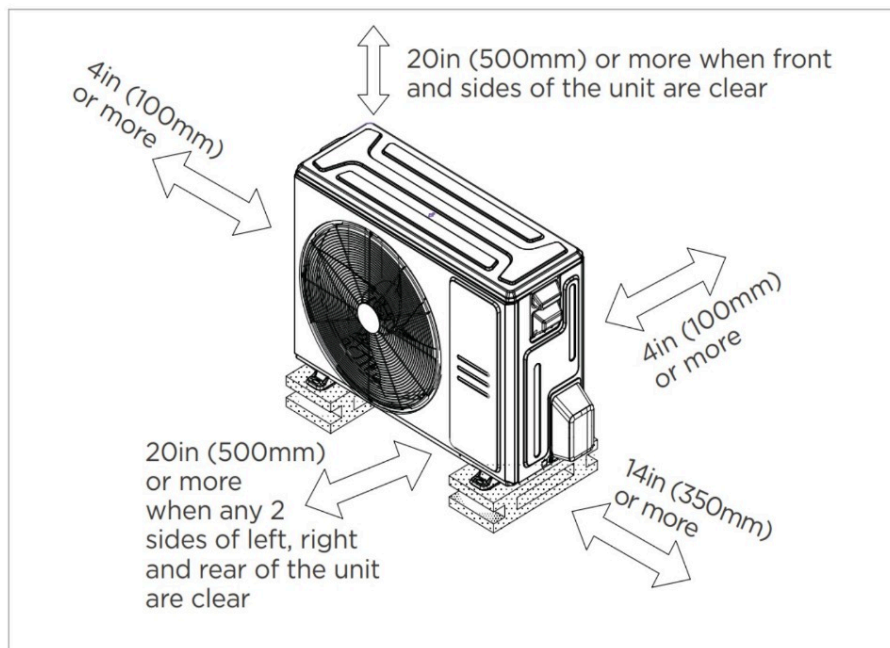
Outdoor Model			CH-ALT60HP24V-230VO
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Min. circuit ampacity		A	39
Max. fuse		A	40
Compressor	Model		KTQ420D1UMU
	Type		TWIN-ROTARY
	Brand		HIGHLY
	Capacity	Btu/h	N/A
	Input	w	6100
	Rated current (RLA)	A	24.8
	Refrigerant oil	oz	VG74
Outdoor fan motor	Qty		1
	Input	w	250
	RLA	A	1.2
	Speed	r/min	850/800/750/650
Outdoor air flow (Max)		CFM	3037
Outdoor noise level (Max)		dB(A)	65
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	38-9/16x16-3/8x38-3/8
	Packing (WxDxH)	inch	45-1/16x19-11/16x42-1/2
	Net/Gross weight	inch	193/224
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	246'
	Max. difference in level	ft	98.4'
Ambient temperature	Cooling	F	-13~122
	Heating	F	-13~75



Model		60-D	
Dimensions		inch	mm
A	Model Height	28	711
B	Model Width	24-1/2	622
C	Supply Air Opening Width	23-1/4	591
D	Return Air Opening Width	23-1/8	587
E	Condensate Drains Height	2-3/16	55
F	Liquid Line Height	21-7/16	545



Installation Instruction For Outdoor Unit



Meets all spatial requirements shown in Installation Clearance Requirements above.