

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

KEY FEATURES:

- Inverter-Driven Cooling System
- High SEER2 Efficiency
- R-454B Refrigerant
- Quiet Operation
- Soft Start Technology
- Variable-Speed Performance
- Multi-Position Air Handler
- Wired Controller Included
- Refrigerant Leak Detection
- Aluminum Coil with Gold Fin
- Auto Restart Function
- Turbo & Sleep Modes

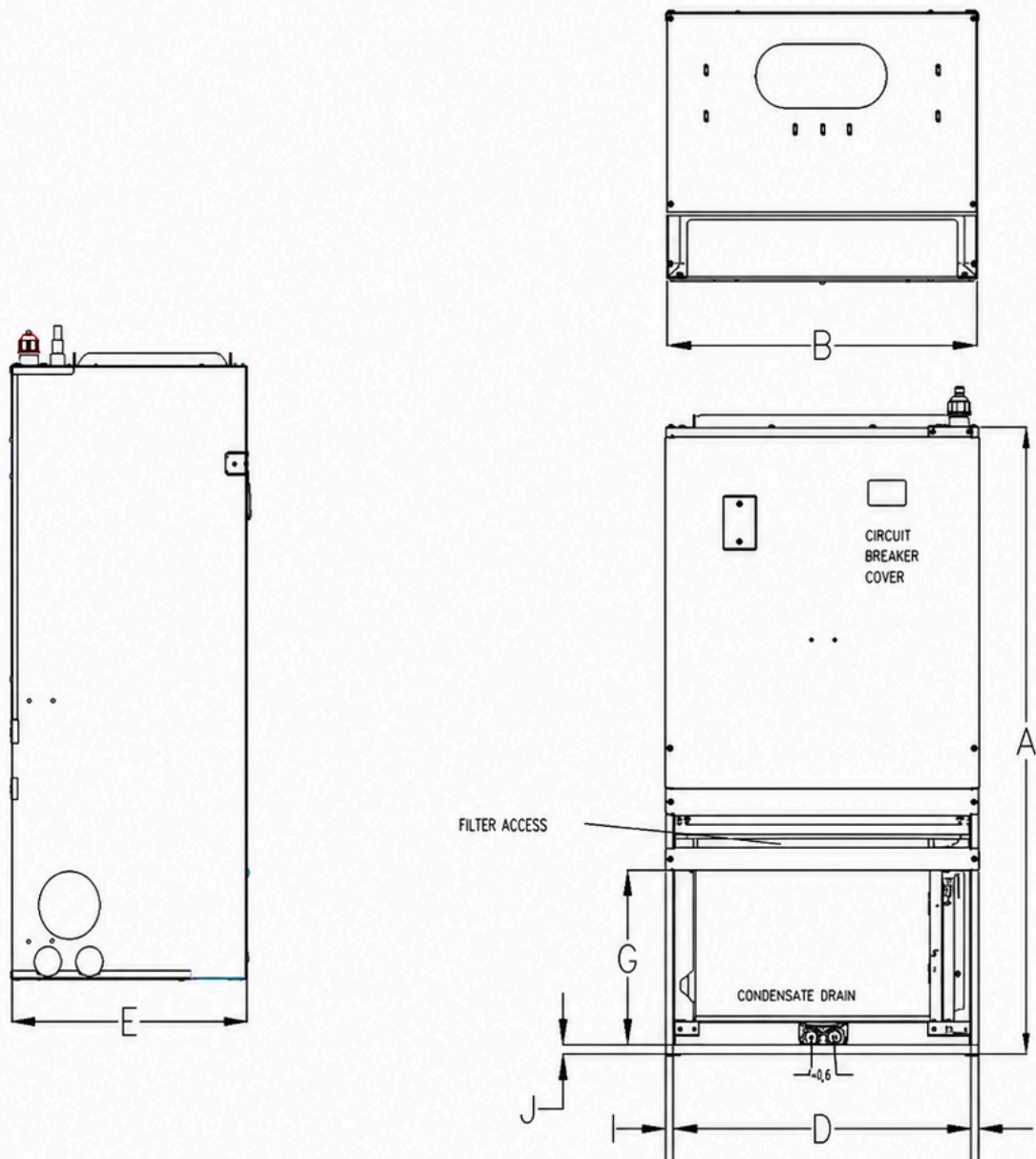
NOTES:



Indoor Model			CH-STM30AHU24V
Power supply		V, Ph, Hz	115/208/230V 1ph, 60Hz
Communication wiring		AWG	20-2
Cooling	Capacity	Btu/h	30000(11900~37800)
	Input	w	2564 (750~3630)
	Rated current	A	3.6~16.1
	EER/EER2	Btu/w	11.7
	SEER/SEER2	Btu/w	17.5
Heating at 47 °F	Capacity	Btu/h	32000 (10300~40200)
	Input	W	2718 (625~3280)
	Rated current	A	3.4~14.5
	COP	W/W	3.45
	HSPF4/HSPF2-4		10.2
	HSPF5/HSPF2-5		/
Indoor fan motor	Qty		1
	Input		/
	RLA		4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	988.8 / 894.7 / 806.4 / 712.2
ESP (range)		ln.wg.	0-0.8
Indoor noise level (Hi/Med/Lo)		dB(A)	51/50/46/35
Dehumidification		L/H	7.05
Indoor unit	Dimensions (WxDxH)	inch	22.01 x 19.02 x 40.04
	Packing (WxDxH)	inch	24.61 x 22.83 x 46.97
	Net/Gross weight	lbs	110.23/131.39
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(X6), 120N (X6W), Wireless, 24V T-Stat
Room temperature	Cooling	F	60~90
	Heating	F	61~86

Outdoor Model			CH-PQ33-230VO
Power supply		V, Ph, Hz	115/208/230V 1ph, 60Hz
Min. circuit ampacity		A	29.5
Max. fuse		A	30
Compressor	Model		MTH356UKRC8FQL
	Type		ROTARY
	Brand		HIGHLY
	Capacity	Btu/h	35,300
	Input	w	3,200
	Rated current (RLA)	A	18
	Refrigerant oil	oz	HAF68D1A 44
Outdoor fan motor	Qty		1
	Input	w	120
	RLA	A	1
	Speed	r/min	950/950/850/750
Outdoor air flow (Max)		CFM	3,001.9
Outdoor noise level (Max)		dB(A)	62
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	37.24 x 16.14 x 31.89
	Packing (WxDxH)	inch	42.91 x 19.68 x 34.84
	Net/Gross weight	inch	166.67/176.37
Refrigerant	Type		R454B
	Precharge	ft	25
Additional charge for 1/4 inch liquid pipe		oz	
Additional charge for 3/8 inch liquid pipe		oz	0.7
Refrigerant piping	Liquid side/Gas side	inch	3/8"/3/4"
	Max. pipe length	ft	164
	Max. difference in level	ft	82
Ambient temperature	Cooling	F	-22 ~ 122
	Heating	F	-22~75

Indoor Unit Dimension



Dimensions		Model(Btu/h)	18K/24K		30K/36K	
			inch	mm	inch	mm
A	Model Height		36.5	928	49	1017
B	Model Width		20.3	515	21	559
C	Supply Air Opening Width		17.4	442	18.8	478.6
D	Return Air Opening Width		19.4	493.8	21.2	537.8
E	Model Depth		15.7	399	21	4.83
F	Supply Air Opening Depth		10.4	265.2	9.3	235.4
G	Return Air Opening Depth		10.3	261	13.1	332.5
H	Supply Air Opening Clearance		1.1	29.1	1.6	41
I	Return Air Opening Side Clearance		0.42	10.6	0.42	10.6
J	Return Air Opening Front Clearance		0.47	12	0.63	16

PEAQ

