

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

KEY FEATURES:

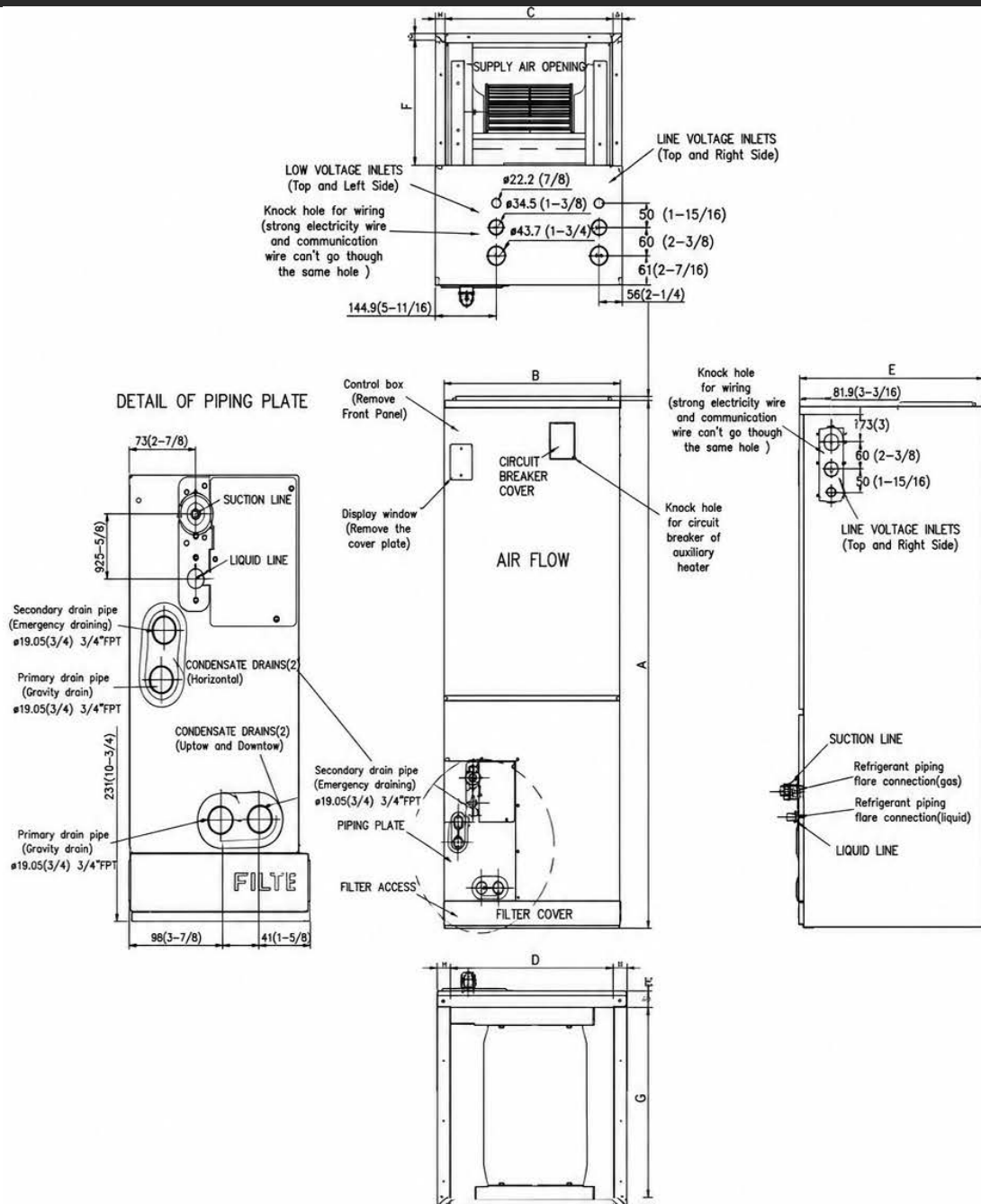
- Inverter-driven technology for efficient, variable-capacity operation
- 24V communicating controls
- R-454B refrigerant
- High SEER2 efficiency with excellent part-load performance
- Variable-speed fan operation for improved efficiency and comfort
- Soft-start operation with very low starting current
- Quiet operation through inverter modulation
- Enhanced humidity removal through precise capacity control
- Wide operating range for dependable performance
- Built-in diagnostics and fault reporting
- Available in multiple capacities from 1.5 to 5 tons, depending on system configuration
- Designed for precise temperature control and improved indoor comfort

NOTES:



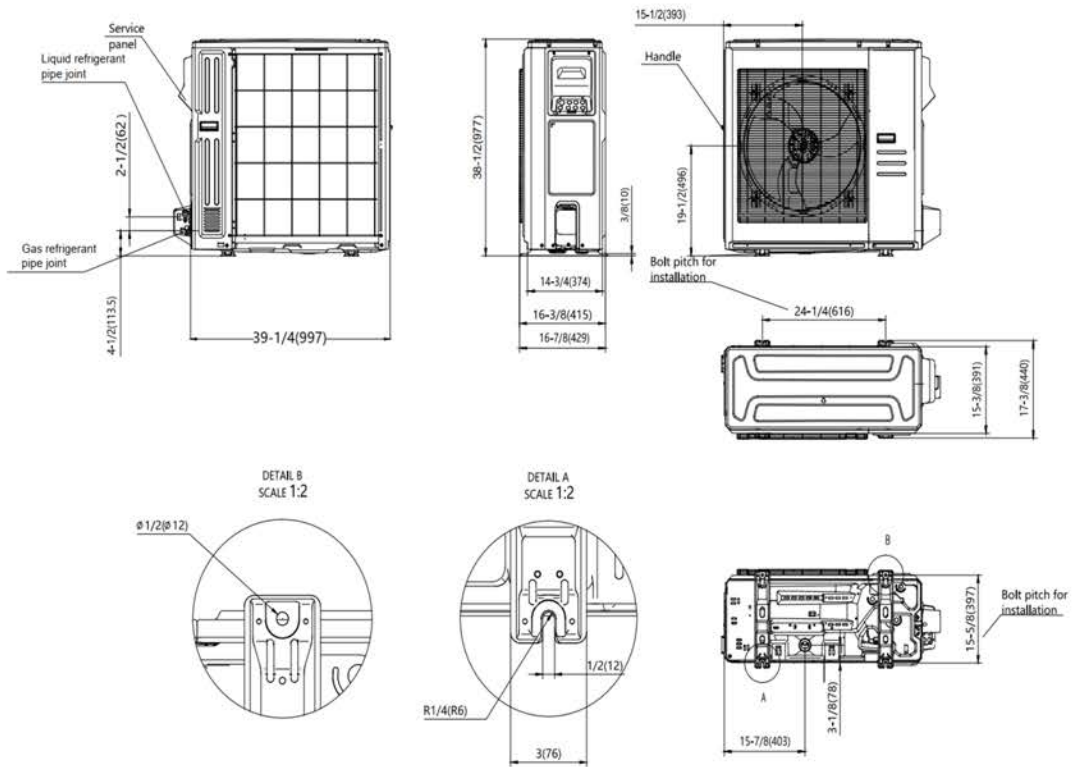
Indoor Model			CH-MP48AHU24V
Power supply		V, Ph, Hz	115/208/230V,60Hz
Communication wiring		AWG	20x2
Cooling	Capacity	Btu/h	16,000~53,000
	Input	w	1,330~5,700
	Rated current	A	5.7~25.0
	EER/EER2	Btu/w	10.0
	SEER/SEER2	Btu/w	16.2
Heating at 47 °F	Capacity	Btu/h	/
	Input	W	/
	Rated current	A	/
	COP	W/W	/
	HSPF4/HSPF2-4		/
	HSPF5/HSPF2-5		/
Indoor fan motor	Qty		1
	Input		560
	RLA		6.4/4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1601 / 1398 /1194 / 991 / 594
ESP (range)		In.wg.	0-0.8 In.W.G
Indoor noise level (Hi/Med/Lo)		dB(A)	52/52/48/44/44
Dehumidification		L/H	11.15
Indoor unit	Dimensions (WxDxH)	inch	21.02 x 21.02 x 49.02
	Packing (WxDxH)	inch	26.57 x 24.41 x 52.56
	Net/Gross weight	lbs	133/158
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-OMN48CL24V-230VO
Power supply		V, Ph, Hz	115/208/230V,60Hz
Min. circuit ampacity		A	36
Max. fuse		A	40
Compressor	Model		KTQ420D1UMU
	Type		TWIN-ROTARY
	Brand		GMCC
	Capacity	Btu/h	N/A
	Input	w	3700
	Rated current (RLA)	A	7
	Refrigerant oil	oz	VGA74
Outdoor fan motor	Qty		1
	Input	w	N/A
	RLA	A	2
	Speed	r/min	N/A
Outdoor air flow (Max)		CFM	3,037
Outdoor noise level (Max)		dB(A)	65
Throttle type			EXV
Outdoor unit	Dimensions (WxDxH)	inch	38.58 x 16.34 x 38.39
	Packing (WxDxH)	inch	45.08 x 19.68 x 42.52
	Net/Gross weight	inch	187.17/218.48
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'
Ambient temperature	Cooling	F	-13~122
	Heating	F	/



Dimensions	Model	18/24/30k		36/48/60k	
		inch	mm	inch	mm
A	Model Height	45	1143	49	1245
B	Model Width	17-1/2	445	21	534
C	Supply Air Opening Width	15-5/8	397	19-1/8	486
D	Return Air Opening Width	15-1/8	384	18-5/8	473
E	Model Depth	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16

Outdoor Unit Dimension



Installation Instruction For Outdoor Unit

