

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

KEY FEATURES:

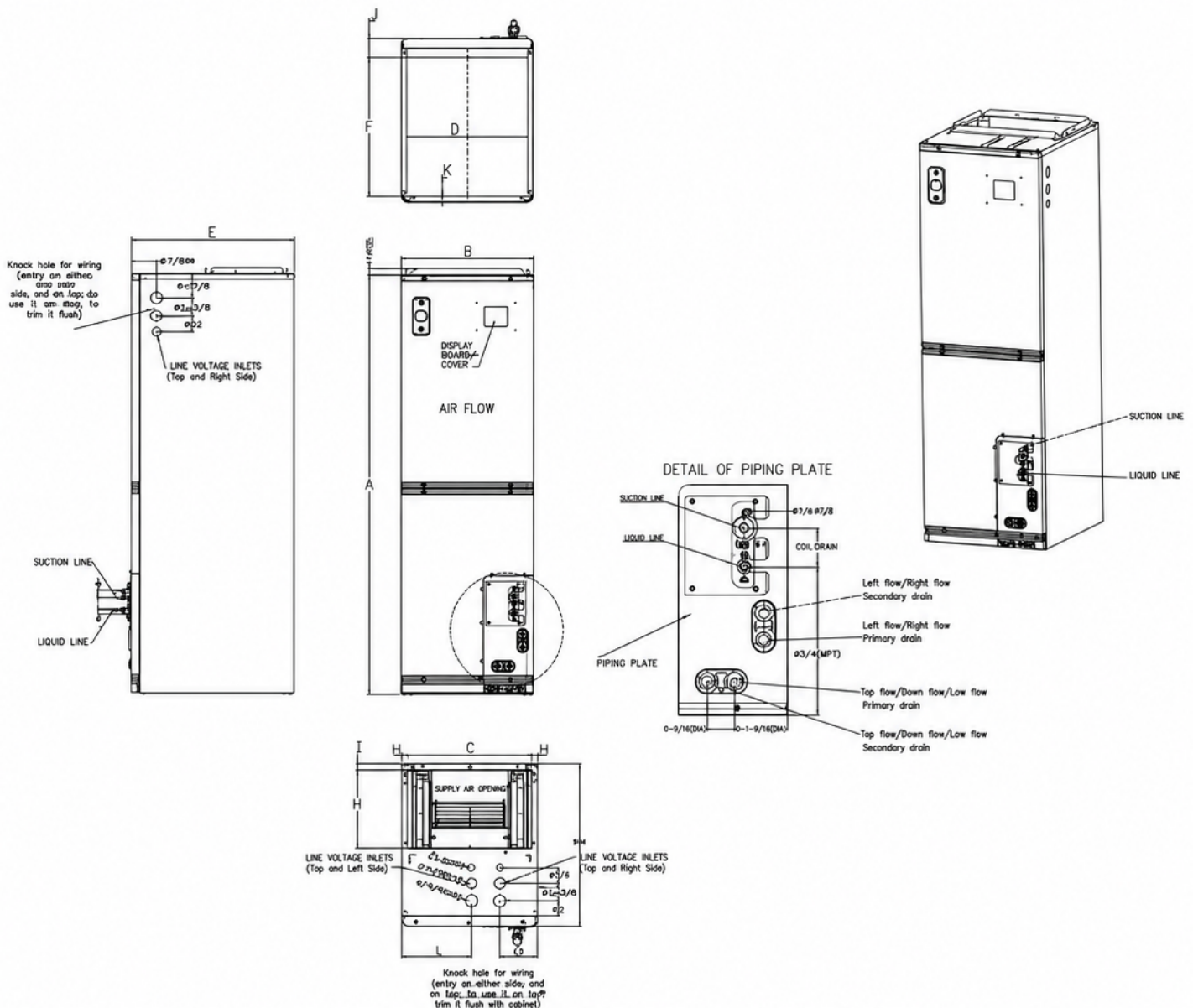
- Inverter-driven, variable-speed operation
- Heating performance in temperatures as low as -22°F
- Adaptive 115V and 208-230V indoor-unit compatibility
- True multi-position air-handler installation
- Wired thermostat controller included
- Auxiliary heat compatibility
- Refrigerant leak detection
- Auto-restart and self-diagnostic functions
- Fast cooling, heating, sleep, and turbo modes
- Drain pan and compressor heating protection
- High-efficiency copper refrigerant piping
- Aluminum coils with Gold Fin corrosion protection

NOTES:



Indoor Model			CH-PQ36AHU
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Communication wiring		AWG	20-2
Cooling	Capacity	Btu/h	36,000 (12,100~43,000)
	Input	w	3,000 (910~4,370)
	Rated current	A	13.7 (6.9~19.6)
	EER/EER2	Btu/w	12
	SEER/SEER2	Btu/w	18
Heating at 47 °F	Capacity	Btu/h	37,000(11,400~47,000)
	Input	W	3,098 (755~4,210)
	Rated current	A	14.4 (4.1~18.8)
	COP	W/W	3.5
	HSPF4/HSPF2-4		10
	HSPF5/HSPF2-5		8.2
Indoor fan motor	Qty		1
	Input		/
	RLA		4.5
Indoor air flow (Turbo/Hi/Med/Lo) (No duct)		CFM	1,236.1 / 1,147.8 / 1,059.5 / 971.2
ESP (range)		ln.wg.	0-1.0
Indoor noise level (Hi/Med/Lo)		dB(A)	46.5/45/33
Dehumidification		L/H	7.2
Indoor unit	Dimensions (WxDxH)	inch	17.52 x21.50 x 53.98
	Packing (WxDxH)	inch	20.47 x 31.10 x57.09
	Net/Gross weight	lbs	149.25/182.10
Drainage water pipe diameter		inch	1"
Refrigerant piping (Liquid side/Gas side)		inch	3/8"/3/4"
Design pressure		PSIG	550/340
Controller			wire controller + remote controller available
Room temperature	Cooling	F	60~90
	Heating	F	61~86

Outdoor Model			CH-PQ36X-230VO
Power supply		V, Ph, Hz	208-230V, 1Ph, 60Hz
Min. circuit ampacity		A	32
Max. fuse		A	35
Compressor	Model		EKPQ420D1UMUA
	Type		Twin-ROTARY
	Brand		GMCC
	Capacity	Btu/h	40,940
	Input	w	3,265
	Rated current (RLA)	A	23
	Refrigerant oil	oz	VG75 49
Outdoor fan motor	Qty		1
	Input	w	250
	RLA	A	2.0
	Speed	r/min	800/750/650
Outdoor air flow (Max)		CFM	3,001.9
Outdoor noise level (Max)		dB(A)	63
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	204.15/235.23
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	246
	Max. difference in level	ft	98.4
Ambient temperature	Cooling	F	-22 ~ 122
	Heating	F	-22~75



Model(Btu/h)		18K/24K		30K/36K		48K/54K	
Dimensions		inch	mm	inch	mm	inch	mm
A	Model Height	49-3/4	1263	54	1371	56	1421
B	Model Width	14-1/2	368	17-1/2	445	21-1/2	546
C	Supply Air Opening Width	12-7/8	328	16	405	19-7/8	506
D	Return Air Opening Width	13	331	16	407	20	509
E	Model Depth	21-1/2	546	21-1/2	546	21-1/2	546
F	Supply Air Opening Depth	10-5/8	271	10-5/8	271	10-5/8	271
G	Return Air Opening Depth	18-1/4	465	18-1/4	465	18-1/4	465
H	Supply Air Opening Clearance	7/8	22	7/8	22	7/8	22
I	Supply Air Opening Clearance	1	24	1	24	1	24
J	Return Air Opening Front Clearance	2-1/2	65	2-1/2	65	2-1/2	65
K	Return Air Opening Back Clearance	3/4	18	3/4	18	3/4	18
L	Top cover knock hole			9	229	10-7/8	275
M	Top cover knock hole	4-1/2	113	4-7/8	124	5-1/8	131
N	Top cover knock hole	2	51	2	51	1-5/8	41
O	Refrigerant piping flareconnection(gas)	3/4	19	3/4	19	3/4	19
P	Refrigerant piping flareconnection(liquid)	3/8	9	3/8	9	3/8	9

PEAQ

