

SUBMITTAL DATA SHEET



CVH-48-5SH	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

Outdoor unit model	CVH-48-5SH
Certified	UL



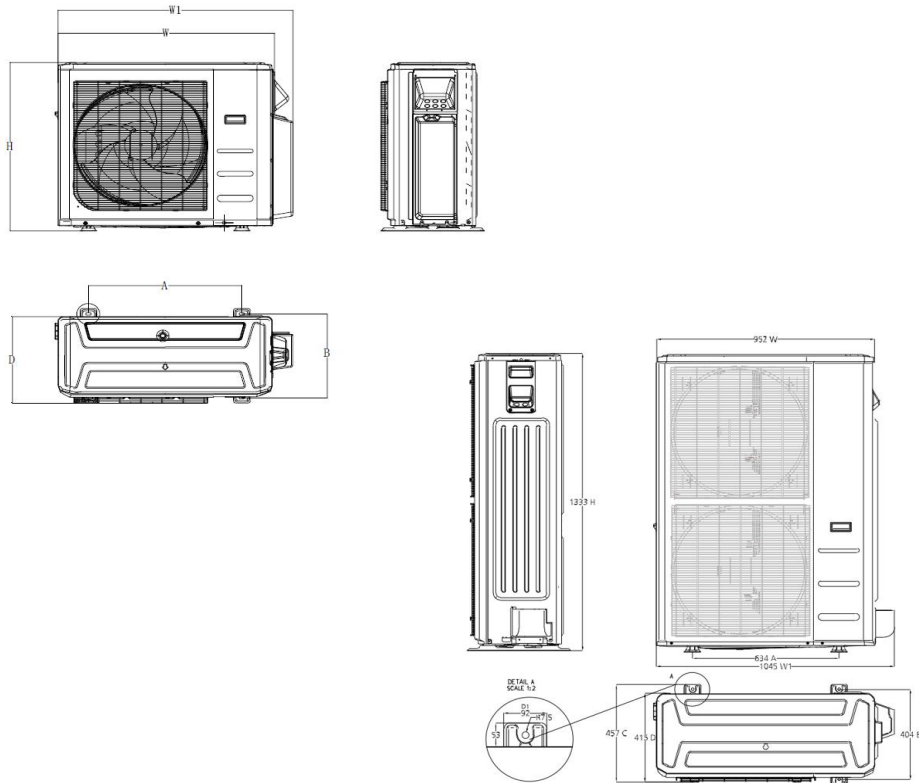
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Cooling			
Capacity	Btu/h	48000(19300~51000)	
Input	W	4150	
Rated current	A	18.0	
Heating			
Capacity	Btu/h	49000(11500~58000)	
Input	W	4000	
Rated current	A	17.8	

OUTDOOR UNIT DATA			
Compressor			
Model	EAPQ420D1UMUA		
Type	ROTARY		
Brand	GMCC		
Capacity	(Btu/h)	44015	
Input	(W)	3565	
Rated current (RLA)	(A)	30	
Refrigerant oil/oil charge	(ml)	1460±15ml ESTER OIL VG74	
Throttle	Capillary +EXV		
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	4500.00	
Outdoor noise level	[dB(A)]	65	
Outdoor unit			
Dimension (W×D×H)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (W×D×H)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	238.32/269.84	
	(kg)	108.1/122.4	
Outdoor (cooling/heating)	(Deg. °F)	-22~-122/ -22~86	
	(Deg. °C)	-30~50/ -30~30	

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/162	
Refrigerant precharge	(ft)	123.0	
	(m)	37.5	
Additional charge for each ft-Φ6.35 (1/4") liquid pipe	(oz/ft)	0.161	
Additional charge for each ft-Φ9.52 (3/8") liquid pipe	(oz/ft)	0.322	
Liquid side/ Gas side	(inch)	5 x 1/4"/3 x 3/8" + 2 x 1/2"	
	(mm)	5 x Φ6.35/3 x Φ9.52 + 2 x Φ12.7	
Max. length for all rooms	(ft)	262	
Max. length for one indoor	(ft)	115	
Max. height difference between indoor and outdoor unit	(ft)	49	
Max. height difference between indoor units	(ft)	33	

EER2 (Non-ducted)	11.7	EER2 (Ducted)	11.7	MIX EER2	11.70
SEER2 (Non-ducted)	21.8	SEER2 (Ducted)	20.9	MIX SEER2	21.35
HSPF2-4(Non-ducted)	9.8	HSPF2-4(Ducted)	8.9	MIX HSPF2-4	9.35
HSPF2-5(Non-ducted)	7.6	HSPF2-5(Ducted)	7.4	MIX HSPF2-5	7.50

Outdoor unit dimension



Model	Unit	W	D	H	W1	A	B	C	D
CMZ-18-2Z	mm	890	342	673	990	663	354	/	/
	inch	35.04	13.46	26.5	38.98	26.1	13.94	/	/
CVH-18-2SH	mm	946	410	810	1034	673	403	/	/
CMZ-27-3Z									
CVH-27-3SH	inch	37.24	16.14	31.89	40.6	26.5	15.9	/	/
CMZ-48-4Z									
CVH-36-4SH	mm	952	415	1333	1045	634	404	457	415
CMZ-54-5Z									
CMZ-60-5Z	inch	37.48	16.34	52.48	411.4	249.6	159.1	179.9	163.4
CVH-60-5SH									

24V INTERFACE KIT

