

SUBMITTAL DATA SHEET



CH-30ELVWM-230VI / CH-EL30-230VO		30,000 BTU/H(208/230V)		Wall Mounted Heat Pump System	
Location: _____	Approval: _____	Date: _____	Construction: _____	Unit #: _____	Drawing #: _____
Engineer: _____					
Submitted to: _____					
Submitted by: _____					
Reference: _____					

Set Model	
Indoor unit model	CH-30ELVWM-230VI
Outdoor unit model	CH-EL30-230VO
Certified	
AHRI	
UL	



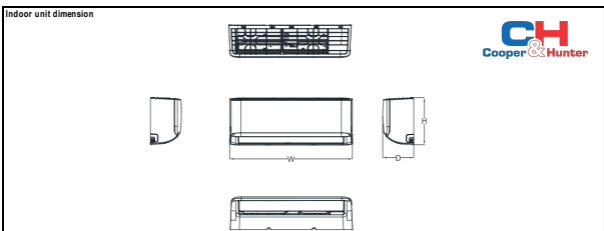
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	23.0	
Max.fuse	(A)	30.0	
Connection wiring		14*4 AWG	
Cooling			
Rated Capacity	(Btu/h)	30000	
Capacity Range	(Btu/h)	7200-31600	
Power Input (Max)	(W)	2855	
Rated current	(A)	12.4	
SEER	(Btu/W)	20	
EER	(Btu/W)	12.2	

Heating at 47F			
Rated Capacity	(Btu/h)	30000	
Capacity Range	(Btu/h)	11700-32000	
Power Input (Max)	(W)	2750	
Rated current	(A)	12.46	
HSPF4	(Btu/W)	10	
HSPF5	(Btu/W)	7.7	
COP	W/W	3.20	
Heating at 17F			
Max Capacity	(Btu/h)	17100	

REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/97	
Refrigerant precharge	(ft)	25.0	
	(m)	7.6	
Additional charge for each ft	(oz/ft)	0.32	
	(g/ft)	30	
Liquid side/ Gas side	(inch)	3/8" / 5/8"	
	(mm)	φ9.52 / φ15.9	
Max. pipe length	(ft)	164.0	
	(m)	50.0	
Max. difference in level	(ft)	82.0	
	(m)	25.0	
Connection method		(Flared)	
Indoor(cooling)	(Deg. T / °C)	60~90 / 16~32	
Indoor(heating)	(Deg. °F/ °C)	32~86 / 0~30	
Outdoor(cooling)	(Deg. °F/ °C)	5~122 / -15~50	
Outdoor(heating)	(Deg. °F/ °C)	5~75 / -15~24	
Application area	(sq.ft)	430.56~635.07	
	(m2)	40~59	

INDOOR UNIT DATA			
Indoor fan motor			
Type		Cross-Flow	
Model		ZKFP-58-8-1-5	
Qty		1	
Input	(W)	58.0	
RLA	(A)	-	
LRA	(A)	-	
Winding Resistance	(Ω)	-	
Capacitor	(uF)	-	
Speed(Hi/Mi/Lo)	(r/min)	1200/1050/950	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (N)	(CFM)	701.76/535.88/380.00	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	49.5/43.5/39.5	
Dehumidification			
	(Pint/H)	-	
Indoor unit			
Dimension (WxDxH)	(inch)	49.57x11.14x14.25	
	(mm)	1259x283x362	
Packing(WxDxH)	(inch)	52.76x17.72x15.16	
	(mm)	1340x450x385	
Net/Gross weight	(lbs.)	42.99/55.56	
	(kg)	19.5/25.2	

OUTDOOR UNIT DATA			
Compressor			
Type		KTF250D22UMT	
Model		ROTARY	
Brand		GMCC	
Capacity	(Btu/h)	27621.286	
Input	(W)	2200	
Rated current (RLA)	(A)	-	
Refrigerant oil/oil charge	(ml)	-	
Throttle		Capillary +EXV	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	-	
RLA	(A)	-	
Speed	(r/min)	900/750	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2235.30	
Outdoor noise level	[dB(A)]	61.5	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	141.76/151.90	
	(kg)	64.3/68.9	



Capacity	Body Code	W(mm/inch)	D(mm/inch)	H(mm/inch)
6K~11K	A	729/28.7	200/7.87	292/11.5
8K~14K	B	802/31.57	200/7.87	295/11.61
12K~21K	C	971/38.23	228/8.98	321/12.64
18K~28K	D	1082/42.6	234/9.21	337/13.27
27K~36K	F	1259/49.57	283/11.14	362/14.25

