



Submittal Data

Submittal Data Model : **MCD1-24HRFN1-MT0W(GA)/MOD30-24HFN1-MU0W**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



Set Code 22022510003883
Indoor unit code 22022511003396
Outdoor unit code 22022016015920

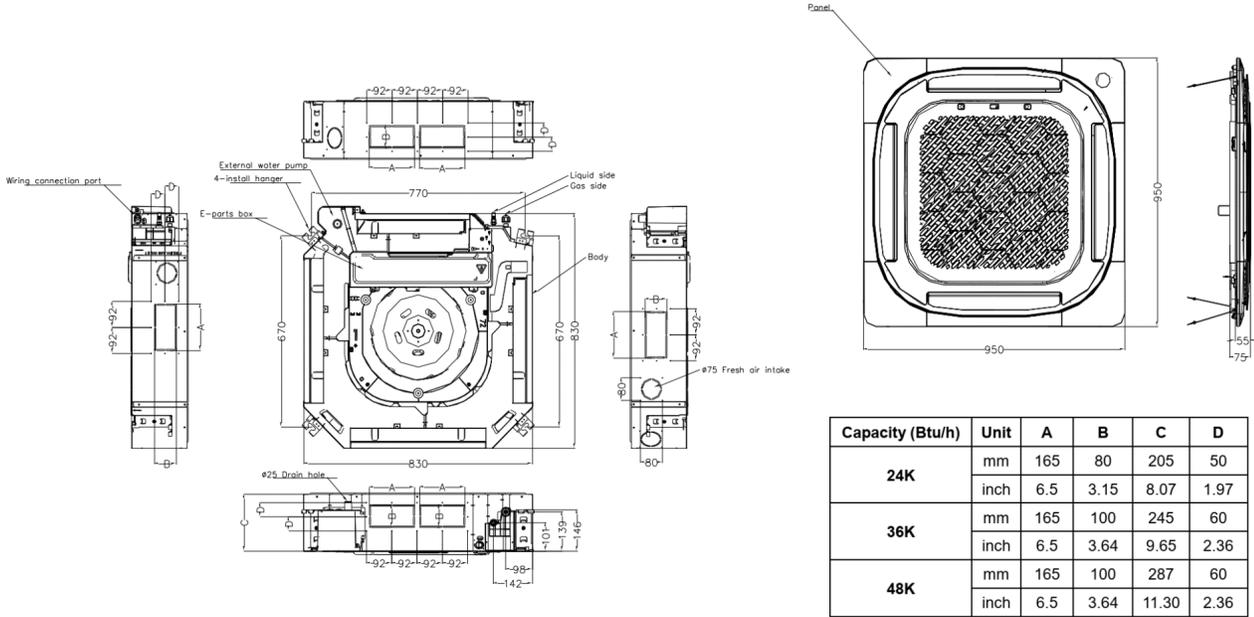
Set Model
Indoor unit model
MCD1-24HRFN1-MT0W(GA)
Outdoor unit model
MOD30-24HFN1-MU0W

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)	25.0	
Max.fuse	(A)	35.0	
Connection wiring		14*4 AWG	
Cooling			
Rated Capacity	(Btu/h)	24000	✓
Capacity Range	(Btu/h)	8000~25000	
Power Input (Max)	(W)	2182	✓
Rated current	(A)	8.5	✓
SEER	(Btu/W)	20.2	✓
EER	(Btu/W)	11	✓
Heating at 47F			
Rated Capacity	(Btu/h)	25000	✓
Capacity Range	(Btu/h)	111840~27000	
Power Input (Max)	(W)	2093	✓
Rated current	(A)	9.8	✓
HSPF4	(Btu/W)	11.6	✓
HSPF5	(Btu/W)	9	✓
COP	W/W	3.50	✓
Heating at 17F			
Max Capacity	(Btu/h)	24100	✓
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/91.7	
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)	9.52/15.9	
Max. pipe length	(ft)	164.0	
	(m)	50.0	
Max. difference in level	(ft)	82.0	
	(m)	25.0	
Connection method		(Flared)	
Indoor(cooling/ heating)	(Deg. °F)	60 ~ 90 / 32 ~ 86	
	(Deg. °C)	16 ~ 32 / 0 ~ 30	
Outdoor(cooling/heating)	(Deg. °F)	-22~-122 / -22~75	✓
	(Deg. °C)	-30 ~ 50 / -30 ~ 24	✓

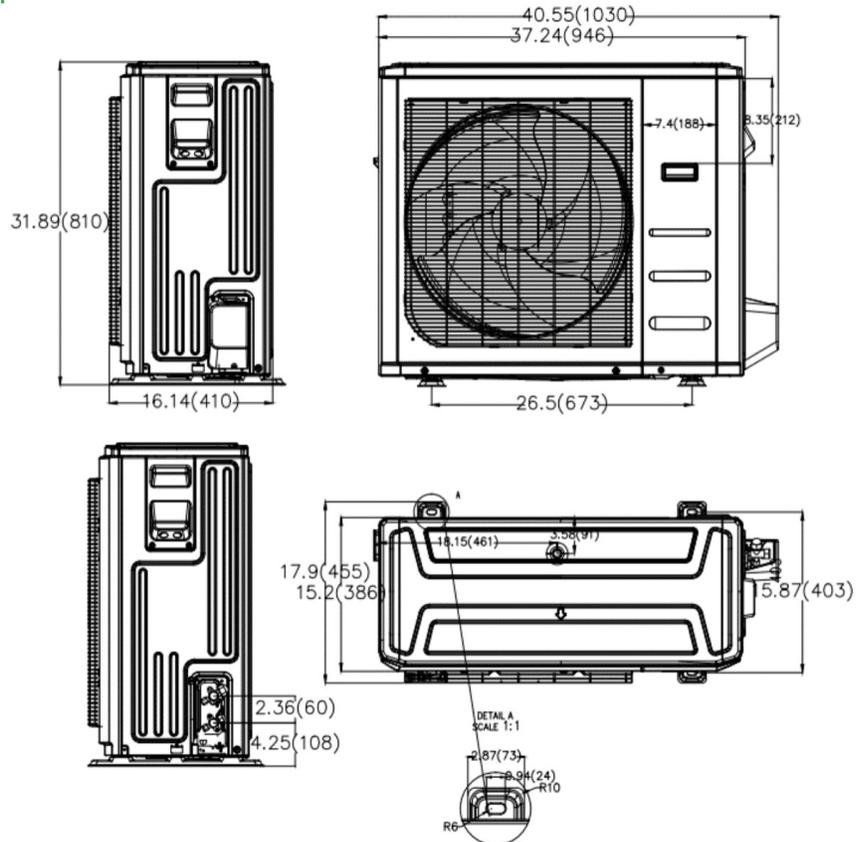
INDOOR UNIT DATA			
Indoor fan motor			
Type		Cross-Flow	
Model		ZKFN-45-8-1	
Qty		1	
Input	(W)	72	
RLA	(A)	-	
LRA	(A)	---	
Winding Resistance	(Ω)	---	
Capacitor	(uF)	---	
Speed(Hi/Mi/Lo)	(r/min)	680/624/568/512	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	705.88/635.29/547.06	
Indoor noise level (Hi/Med/Lo) (No duct)	[dB(A)]	48/45.5/43	
Dehumidification	(Pint/H)	---	
Indoor unit			
Dimension (WxDxH)	(inch)	32.68x32.68x8.07	
	(mm)	830x830x205	
Packing(WxDxH)	(inch)	35.83x35.83x9.84	
	(mm)	910x910x250	
Net/Gross weight	(lbs.)	47.18/55.34	
	(kg)	21.4/25.1	
OUTDOOR UNIT DATA			
Compressor			
Type		KTM240D43UKT	
Model		DUAL ROTARY	
Brand		GMCC	
Capacity	(Btu/h)	25932.27641	
Input	(W)	2045	✓
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)	1150/1050/900/850	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2235.30	✓
Outdoor noise level	[dB(A)]	62	
Outdoor unit			
Dimension (W×D×H)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (W×D×H)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	134.48/144.40	
	(kg)	61/65.5	



Indoor unit dimension



Outdoor unit dimension



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