NORTH AMERICAN HVAC PRODUCTS LTD.

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Submittal

Submittal Data

Submittal Data Model No.: **M5OA-55HFN1-M-[X]**

Description:

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For: Review ( ) Approval: ( )

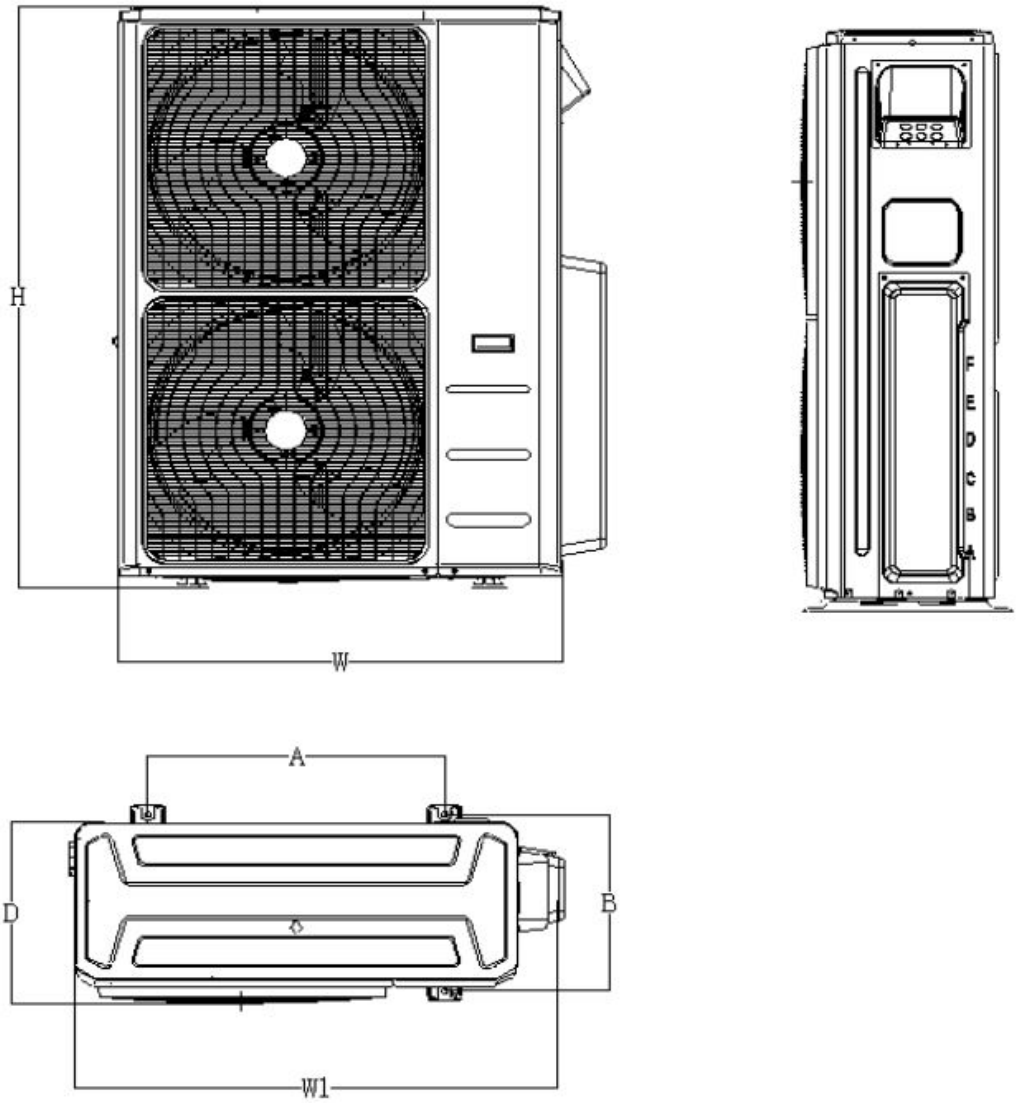
OUTDOOR UNIT DATA		
Compressor		
Type		ROTARY
Model		EAPQ420D1UMUA
Brand		GMCC
Capacity	(Btu/h)	44015
Input	(W)	3565
Rated current (RLA)	(A)	25
Refrigerant oil/oil charge	(ml)	1460±15mlESTER OIL VG74
Outdoor fan motor		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126.00
Output	(W)	85.00
RLA	(A)	2.50
Speed	(r/min)	900/850/800/750
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	4500.00
Outdoor noise level	[dB(A)]	63.00
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.)	233.03/265.87
	(kg)	105.7/120.6

Outdoor(cooling)	(Deg. °F)	5~122
	(Deg. °C)	-15 ~ 50
Outdoor(heating)	(Deg. °F)	-22 ~ 75
	(Deg. °C)	-30 ~ 24

REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	162.3
Refrigerant precharge	(ft)	25x5
Additional charge for each ft	(oz/ft)	0.16
(Φ6.35 (1/4") liquid pipe)	(g/ft)	15.0
Additional charge for each ft	(oz/ft)	0.32
(Φ9.52 (3/8") liquid pipe)	(g/ft)	30.0
Liquid side	(inch)	5x1/4"
	(mm)	5x6.35
Gas side	(inch)	3x3/8"+2x1/2"
	(mm)	3x9.52+2x12.7
Max. length for all rooms	(ft)	262.5
	(m)	80.0
Max. length for one indoor unit	(ft)	114.8
	(m)	35.0
Max. height difference between indoor and outdoor unit	(ft)	49.2
	(m)	15.0
Max. height difference between indoor units	(ft)	33.0
	(m)	10.0

SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V,1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	40.0
Max.fuse	(A)	60.0
Connection wiring		14AWG*4 Stranded, unshielded
Cooling		
Capacity	(Btu/h)	55000(19000~58000)
Powrer Input	(W)	5238(750~5850)
Current	(A)	23.5(4.3~26)
SEER2	(Btu/W)	22.0
EER2	(Btu/W)	10.5
Heating		
Capacity	(Btu/h)	55000(12500~57500)
Powrer Input	(W)	5285(770~5650)
Current	(A)	23.5(4.4~25)
HSPF2-4	(Btu/W)	9.3
HSPF2-5	(Btu/W)	7.3
COP	W/W	3.05
Heat at 17F(H32)	(Btu/h)	34400
Heat at 5F(H42)	(Btu/h)	46000
COP at 5F(H42)	W/W	1.90

Outdoor unit dimension



Unit	W	D	H	W1	A	B
mm	952	415	1333	1060	634	404
inch	37.5	16.3	52.5	41.7	25.0	15.9