



Submittal Data Sheet

Air Conditioning & Heating

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

Indoor model	
Outdoor model	MST183E21MCAA



PERFORMANCE DATA

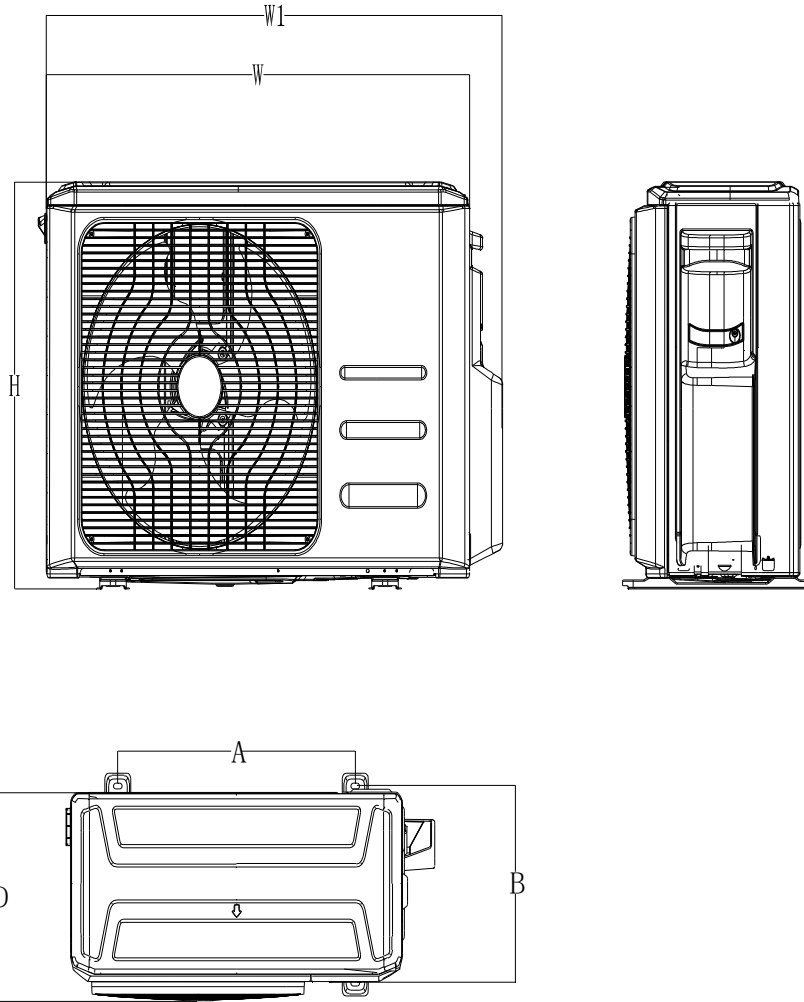
Power supply	Ph-V-Hz	208-230V~60Hz , 1Ph
<u>Cooling</u>		
Capacity	Btu/h	18000
Input	W	1440
Rated current	A	6.3
EER	Btu/w	12.5
SEER	Btu/w	22.5
<u>Heating</u>		
Capacity	Btu/h	19000
Input	W	1547
Rated current	A	6.7
COP	W/W	3.6
HSPF4		10.3
HSPF5		8.8
<u>Electrical</u>		
MINIMUM CIRCUIT AMPACITY	A	18.0
MAX. FUSE	A	25.0
Connection wiring		16*4 AWG
<u>Compressor</u>		
Model		ATM150D23UFZ
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	15388
Input	W	1170
Rated current(RLA)	A	10
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	VG74/500

OUTDOOR UNIT DATA

<u>Outdoor fan motor</u>		
Model		ZKFN-50-8-2
Type		DC
Input		115.0
RLA	A	0.55
Speed	r/min	800/650/550
<u>Air flow & Noise level</u>		
Outdoor air flow	CFM	817.65
Outdoor noise level	dB(A)	62.4
<u>Outdoor unit</u>		
Dimension(W*D*H)	inch	33.27x14.29x27.64
Packing (W*D*H)	inch	37.99x15.55x29.72
Net/Gross weight	lbs.	105.82/114.64
<u>SYSTEM DATA</u>		
Design pressure	PSIG	550/340
Refrigerant type	oz	R410A/70.5
Refrigerant precharge	ft	49
Additional charge per ft.	oz	0.16 for 1/4" liquid pipe 0.32 for 3/8" liquid pipe
Liquid side/ Gas side	mm(inch)	2 X Φ6.35/Φ9.52(1/4"/3/8")
Max. length for all rooms	ft	131
Max. length for one indoor unit	ft	82
Max. height difference between indoor and outdoor unit	ft	49
Max. height difference between indoor units	ft	33

Operation temperature		
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	-13~122/ -13~86
Application area	sq.ft	258-376

OUTDOOR UNIT



Model	W (inch)	D (inch)	H (inch)	W1inch)	A(inch)	B (inch)
M2OF-18HFN1-M	33.3	14.3	27.6	36.0	21.3	13.8