

Submittal Data Sheet 60K HSP Ducted



Code	
Indoor unit code	22023011003834
Outdoor unit code	22023016002111
Model	
Indoor unit model	MHG-60HWFN1-MW
Outdoor unit model	MOE30U-60HFN1-M

PERFORMANCE DATA

Power supply	Ph-V-Hz	208/230V, 1Ph, 60Hz
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Cooling

Capacity	Btu/h	57000
Input	W	5700
Rated current	A	25
EER	Btu/w	10
SEER	Btu/w	18

Heating at 47

Capacity	Btu/h	62000
Input	W	5048
Rated current	A	23.1
COP	W/W	3.6
HSPF4		9.0
HSPF5		7.6

Electrical

MINIMUM CIRCUIT AMPACITY	A	36
MAX. FUSE	A	50
Connection wiring		16*4 AWG

Compressor

Model		ATQ420D1UMU
Type		ROTARY
Brand		GMCC
Capacity	Btu/h	44697
Input	W	3420
Rated current(RLA)	A	23.5
Locked rotor Amp(LRA)	A	---
Thermal protector		---
Thermal protector position		---
Refrigerant oil/oil charge	ml	Ester Oil VG74/1400

SYSTEM DATA

Design pressure	PSIG	550/340 PSIG
Refrigerant type	oz	R410A/163
Refrigerant precharge	ft	25
Additional charge per ft.	oz	0.32
Liquid side/ Gas side	mm(in)	Φ9.52/Φ19(3/8"/3/4")
Max. refrigerant pipe length	ft	213
Max. difference in level	ft.	98

ESP

ESP range	In. wg.	0-0.8
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INDOOR UNIT DATA

Indoor fan motor

Model		ZKFN-700-8-1
Type		DC
Input		420
RLA	A	3.65
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed(Hi/Mi/Lo)	r/min	1060/910/790

Air flow & Noise level

Indoor air flow (Hi/Lo)	CFM	2157/1710/1262
Indoor noise level (Hi/Lo)	dB(A)	50.5/47/43

Indoor unit

Dimension(W*D*H)	inch	55.12/33.78/17.32
Packing (W*D*H)	inch	63.19/35.83/19.88
Net/Gross weight	lbs.	163.1/189.6

OUTDOOR UNIT DATA

Outdoor fan motor

Model		ZKFN-85-8-22+ZKFN-85-8-22-2
Type		DC
Input		126
RLA	A	0.39
LRA	A	---
Winding Resistance	Ω	---
Capacitor	uF	---
Speed	r/min	900/800

Air flow & Noise level

Outdoor air flow	CFM	4470
Outdoor noise level	dB(A)	65

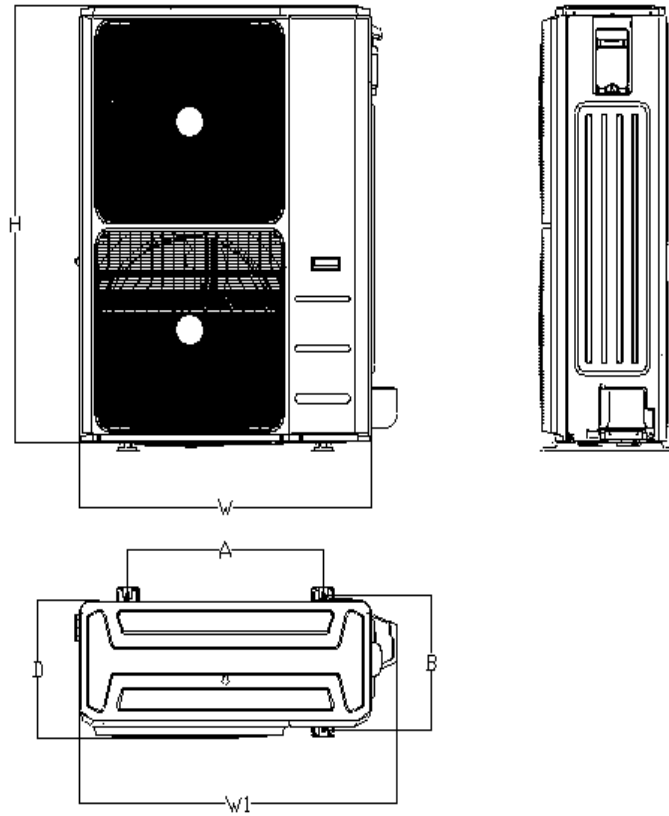
Outdoor unit

Dimension(W*D*H)	inch	37.48x16.34x52.48
Packing (W*D*H)	inch	43.11x19.49x58.27
Net/Gross weight	lbs.	224.9/254.4

Operation temperature

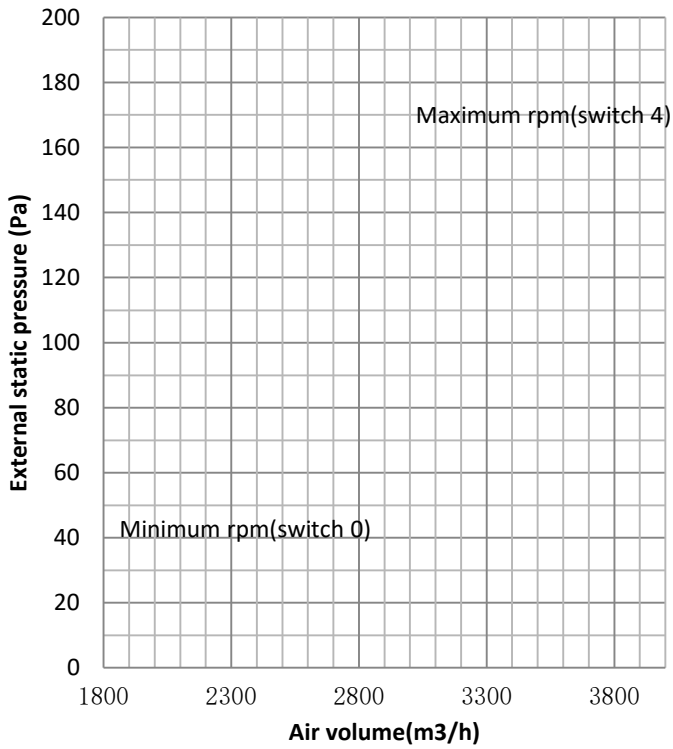
Indoor(cooling/ heating)	Deg. F	62~90/32~86
Outdoor(cooling/heating)	Deg. F	5~122/ 5~86
Application area	sq.ft	818-1195

OUTDOOR UNIT



Model	W (inch)	D (inch)	H (inch)	W1 (inch)	A (inch)	B (inch)
MOE30U-60HFN1-M	37.5	16.3	52.5	41.1	25.0	15.9

High Speed



Low Speed

