



AURORA INVERTER



TURBO MODE



HIGH
DENSITY
FILTERS



AUTO RESTART
FUNCTION

AURORA INVERTER



SPECIFICATIONS

Code			22022010009292
Indoor code			22022011009858
outdoor code			22022016009639
Model			MS12F-36HRFN1-QC2GW
Indoor			MS12F-36HRFN1-QC2GW
Outdoor			MOD80U-36HRFN1-QC2GW
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz
Cooling Performance			
Cooling	Capacity	Btu/h	34461
	Input	W	3230
	Rated current	A	14.5
	EER	W/W	3.13
Heating Performance			
Heating	Capacity	Btu/h	35144
	Input	W	3150
	Rated current	A	13.8
	COP	W/W	3.27
Max. input consumption		W	5175
Max. current		A	22.5
Compressor	Model		ATF310D43UMT
	Type		ROTARY
	Brand		GMCC
	Capacity	W	9490
	Input	W	2600
	Rated current(RLA)	A	5.1
	Locked rotor Amp(LRA)	A	/
	Thermal protector		/
	Thermal protector position		NA
	Capacitor	μF	/
	Refrigerant oil/oil charge	ml	VG74/1000
Indoor Specifications			
Indoor fan motor	Model		ZKFP-58-8-1
	Input	W	58.0
	Capacitor	uF	/
Indoor coil	Speed(Hi/Mi/Lo)	r/min	1180/1000/950
	a.Number of rows		3.0
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37
	c.Fin spacing	mm	1.3
	d.Fin type (code)		Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube
	f.Coil length x height x width	mm	965x126x40.11+965x126x40.11+945x126x40.11
	g.Number of circuits		7
Indoor air flow (Hi/Mi/Lo)		m3/h	1450/1090/810
Indoor noise level (Hi/Mi/Lo)		dB(A)	51/44/39
Indoor unit	Dimension(W*D*H)	mm	1259x282x362
	Packing (W*D*H)	mm	1340x450x385
	Net/Gross weight	Kg	19.0/26.5
Outdoor Specifications			
Outdoor fan motor	Model		ZKFN-120-8-2
	Input	W	150.0
	Capacitor	uF	/
	Speed	r/min	950/750
	a.Number of rows		3.0
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37
	c.Fin spacing	mm	1.4
	d.Fin type (code)		Hydrophilic aluminum
		mm	Φ7,Inner groove tube
	f.Coil length x height x width	mm	1000x756x40.11
	g.Number of circuits		6
Outdoor noise level		dB(A)	64
Outdoor unit	Dimension(W*D*H)	mm	946x420x810
	Packing (W*D*H)	mm	1090x500x885
	Net/Gross weight	Kg	69/75
Refrigerant piping			
Refrigerant type		Kg	R410A/3.50
Design pressure		MPa	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	40
	Max. difference in level	m	20
Connection wiring			///
Plug type			//no-plug
Thermostat type			Remote Control
Operation temperature		°C	17~30
Room temperature	Indoor(cooling/ heating)	°C	18~32/0~27
	Outdoor(cooling/heating)	°C	-15~46/-15~24
Application area (Cooling Standard)		m2	46~67

Indoor Dimensions

Model	W X D x H
MS12F-36HRFN1-QC2GW	1259X282X362

A technical line drawing of the indoor unit showing its rectangular shape. The width is labeled 'W', the depth is labeled 'D', and the height is labeled 'H'.

Outdoor Dimensions

Model	W x D x H	A	B
MOD80U-36HRFN1-QC2GW	946X420X810	673	403

A technical line drawing of the outdoor unit showing its rectangular shape. The width is labeled 'W', the depth is labeled 'D', and the height is labeled 'H'. Additional dimensions 'A' and 'B' are shown for the base and side panels respectively.