AUX

M-SERIES

SEER20



SOFT

Airflow through thousands of micro vents produces a gentle, even breeze while minimizing drafts for enhanced comfort. Great for use while sleeping.

Micro vents: 1729 (09K) 1935 (12K) 2921 (18K)

•Patent No.: 202121995992.8/ 202322368367.6

ECO ENERGY-SAVING

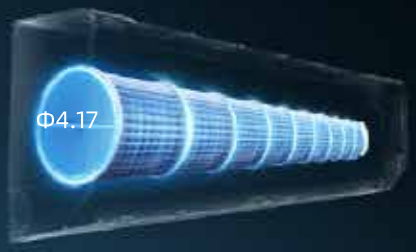
Adjusting in frequency according to the temperature changes helping to save power and energy.



PERFORMANCE

COOLING AND HEATING

LARGER WIND TURBINE AND FAN





AUX Φ4.17 INCH

WIND TURBINE SIZE IS LARGER THAN OTHERS

WIFI

Easily use the app from anywhere to adjust the temperature. Come home to a cool home.



EASY INSTALLATION

With an installation guide, plate support and built-in level, installation can be done with only one technician instead of two reducing labor costs.



4) Plate Support

3) Detachable Underjaw





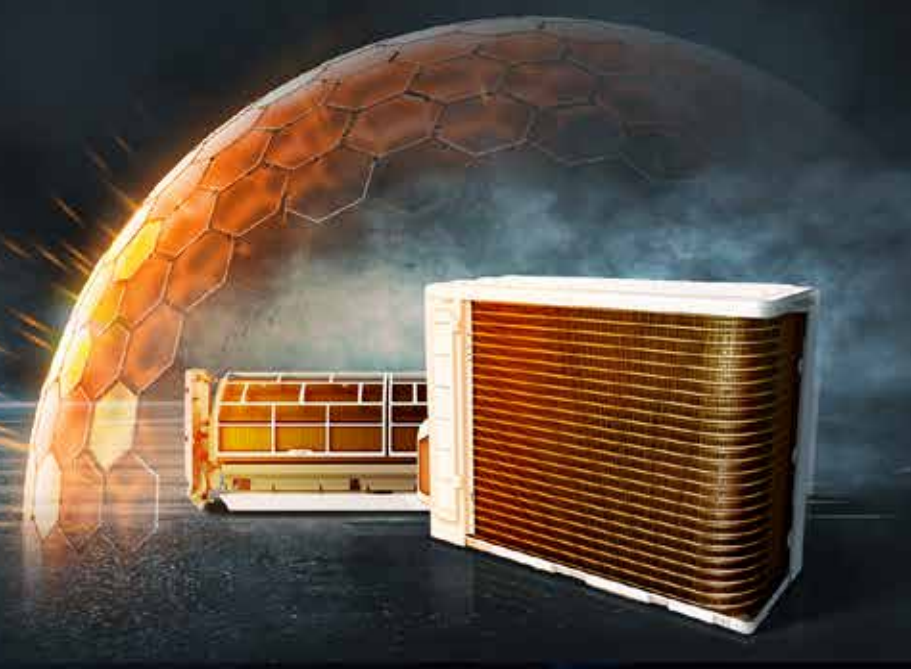
1) Installation Guide Diagram



2) Installation Plate

GOLDEN FIN

Gold finned indoor and outdoor units help reduce corrosion and oxidation for enhanced durability.



PERFORMANCE

Quality of PCB

The new intelligent AI vector control algorithm was carefully developed by AUX Japan R&D center, which lasted 6 years and invested over 15 million dollars

Chips are smaller while designed to offer improved computing performance.



Evolution of computing power:

single press drive (51.2) DMIPS → Single Chip (compressor, fan motor, PFC)
165 DMIPS → single chip high frequency 250DMIPS

*Data from actual measurements, AUX Labs has the right of interpretation



THREE-PROOFING OF OUTDOOR UNIT PCB

UV adhesive cover helps to reduce corrosion which lowers failure rates and lowers maintenance needs for the air conditioner.



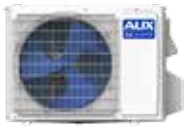
Vertical placement helps prevent deposition or deformation, reducing damage rates.



Indoor Unit MH



Outdoor Unit



Remote control



FEATURES

Micro Vent (Not in 20seer 36K) | 4D Wind | Auto Cleaning | WIFI Function | Easy Installation | ECO

SPECIFICATIONS

M-SEER20			MH					
Model			AUM20SW09HP115V1	AUM20SW09HP230V1	AUM20SW12HP115V1	AUM20SW12HP230V1	AUM20SW18HP230V1	AUM20SW24HP230V1
Indoor Unit			AUM20SW09HP115V1/H	AUM20SW09HP230V1/H	AUM20SW12HP115V1/H	AUM20SW12HP230V1/H	AUM20SW18HP230V1/H	AUM20SW24HP230V1/H
Outdoor Unit			AUM20SW09HP115V1/O	AUM20SW09HP230V1/O	AUM20SW12HP115V1/O	AUM20SW12HP230V1/O	AUM20SW18HP230V1/O	AUM20SW24HP230V1/O
AHRI Certified Reference Number			216765702	216765701	216765699	216765703	216765704	216765700
Cooling								
Capacity	Rated	Btu/h	9100	9100	12000	12000	18000	24000
Capacity Range	Min-Max	Btu/h	1700-12000	1700-12600	1700-13300	1700-13300	2900-20000	4300-25200
Power Input	Rated	W	800	758	1250	1212	1638	2050
Dehumidifying		kg/h [lbs/h]	0.7 [1.5]	0.7 [1.5]	1 [2.2]	1 [2.2]	1.6 [3.5]	2.6 [5.7]
Heating								
Capacity at 47°F[8.3°C]	Rated	Btu/h	9500	10000	12300	12300	19100	24000
Capacity Range	Min-Max	Btu/h	1700-14000	1700-14000	1700-15000	1700-15500	4400-22600	5300-27300
Efficiency								
SEER2		Btu/h/W	20	22	20	21	20	20
HSPF2(IV)		Btu/h/W	8.5	9.2	8.5	8.8	9	9
HSPF2(V)		Btu/h/W	7	7	7	7	6.4	8
EER2		Btu/h/W	11.4	12	9.6	9.9	11	11.9
COP 5°F		W/W	1.93	2.00	2.09	2.10	2.20	2.10
Indoor Unit								
Air Flow Rate (SH/H/M/L/Q)		m3/h[CFM]	600/530/480/430/300 [353/312/283/253/177]	600/530/480/430/300 [353/312/283/253/177]	650/590/540/490/330 [383/347/318/288/194]	650/590/540/490/330 [383/347/318/288/194]	1050/950/850/750/430 [618/559/500/441/253]	1250/1100/1000/850/560 [736/647/589/500/330]
Weight	Net	kg [lbs]	8 [17.6]	8 [17.6]	8.5 [18.7]	8.5 [18.7]	12 [26.5]	14[30.9]
Dimension	Net	mm [in]	768*304*199 [30.2*12*7.9]	768*304*199 [30.2*12*7.9]	827*304*199 [32.6*12*7.9]	827*304*199 [32.6*12*7.9]	997*324*221 [39.3*12.8*8,7]	1140*337*228 [44.9*13.3*9]
	Packing	mm [in]	831*371*282 [32.7*14.6*11.1]	831*371*282 [32.7*14.6*11.1]	895*371*300 [35.2*14.6*11.8]	895*371*300 [35.2*14.6*11.8]	1070*385*312 [42.1*15.2*12.3]	1210*400*327 [47.6*15.7*12.9]
Sound Pressure Level		dB(A)	41/36/34/31/26	41/36/34/31/26	43/40/36/33/27	43/40/36/33/27	49/46/42/37/29	50/48/44/39/33
Outdoor Unit								
Weight	Net	kg [lbs]	23.5 [51.8]	23.5 [51.8]	25 [55.1]	25 [55.1]	30 [66.1]	44 [97]
Dimension	Net	mm [in]	805×309x538 [31.7*12.2*21.2]	805×309x538 [31.7*12.2*21.2]	805×309x538 [31.7*12.2*21.2]	805×309x538 [31.7*12.2*21.2]	880*353*557 [30.9*13.9*21.9]	900×350×700 [34.6*13.9*27.6]
	Packing	mm [in]	825×345×595 [32.5*13.6*23.4]	825×345×595 [32.5*13.6*23.4]	825×345×595 [32.5*13.6*23.4]	825×345×595 [32.5*13.6*23.4]	903*382*615 [35.6*15*24.2]	1015*425*762 [40*16.7*30]
Sound Pressure Level	Rated	dB(A)	51	51	52	52	53	58
Piping								
Diameter	Liquid(O.D)	mm [in]	6.35 [1/4]	6.35 [1/4]	6.35 [1/4]	6.35 [1/4]	6.35 [1/4]	6.35 [1/4]
	Gas(O.D.)	mm [in]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	9.52 [3/8]	12.7 [1/2]	15.88 [5/8]
Max.Length		m[ft]	20[65]	20[65]	20[65]	20[65]	30[100]	30[100]
Min.Length		m[ft]	3[10]	3[10]	3[10]	3[10]	3[10]	3[10]
Max.Height		m[ft]	15[50]	15[50]	15[50]	15[50]	20[65]	20[65]
Electrical								
Outdoor-Indoor		V,ph,Hz	115,1,60	208/230,1,60	115,1,60	208/230,1,60	208/230,1,60	208/230,1,60
MCA		A	15	10	15	10	15	15
MOCP		A	25	15	25	15	20	25
Refrigerant								
Type			R32	R32	R32	R32	R32	R32
Charge		g [oz]	640 [22.6]	600 [21.2]	640 [22.6]	600 [21.2]	980 [34.6]	1250 [44.1]
Guaranteed Temperature Operation Range								
Cooling		℃[℉]	-15-52[5-125]	-15-52[5-125]	-15-52[5-125]	-15-52[5-125]	-15-52[5-125]	-15-52[5-125]
Heating		℃[℉]	-25-24[-13-75]	-25-24[-13-75]	-25-24[-13-75]	-25-24[-13-75]	-25-24[-13-75]	-25-24[-13-75]

※Heating capacity at -5℉ (MAX, Btu/h)
115V-6100(09K) 6300(12K)
208/230V-6100(09K) 6300(12K) 10500(18K) 13200(24K)

Remarks:
1.All specifications are subject to change by the manufacturer without prior notice
2.All units are being tested and comply to ISO 5151
3.Sound pressure levels are measured in anechoic chamber.During actual operation, sound pressure level will be higher as a result of room specification condition
4.Data from AUX lab, 08/03/24, Data may change according to test surroundings, AUX reserves right of explanation on data

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