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)

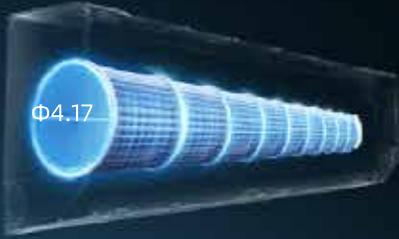•Patent No.: 202121995992.8/ 202322368367.6

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

Φ4.17

AUX Φ4.17 INCH

WIND TURBINE SIZE IS LARGER THAN OTHERS

Fast Cooling

Fast Heating

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
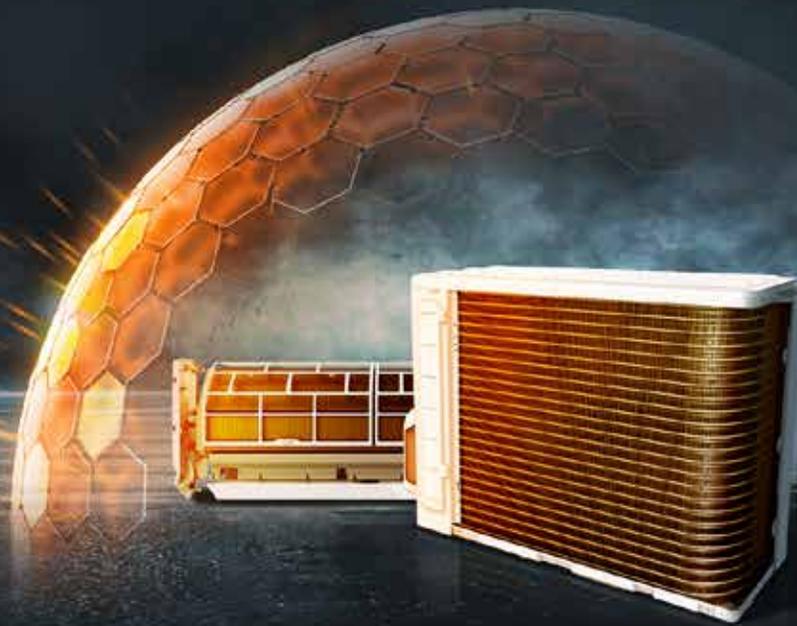reducing labor costs.

4) Plate Support

3) Detachable Underjaw

Built-in Level

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
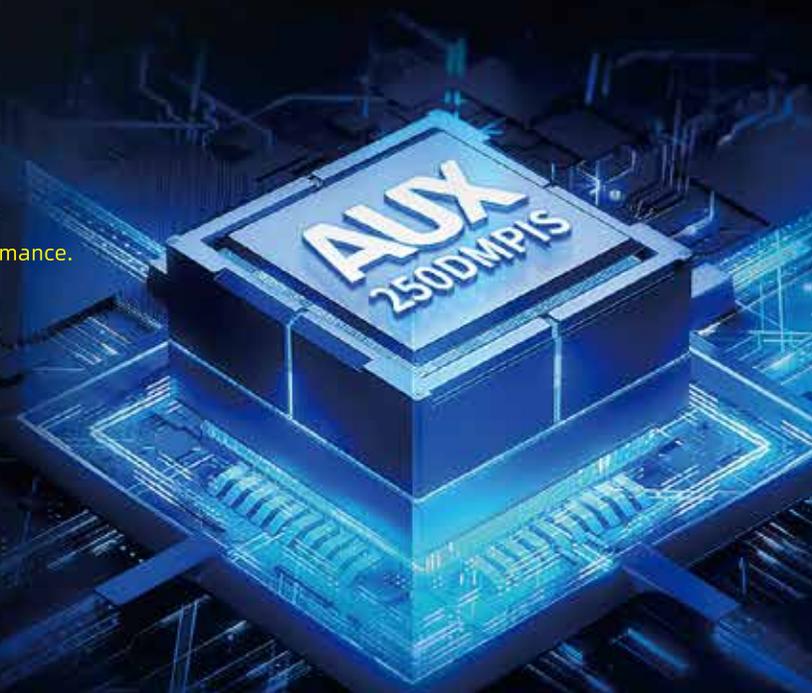
Chips are smaller while designed to offer improved computing performance.

235mm	180mm
151mm	160mm
Before	**Now**

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

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

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

SPECIFICATIONS

Indoor Unit MH

Outdoor Unit

Remote control

FEATURES

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

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		°C[°F]	-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		°C[°F]	-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°F (MAX, Btu/h)
115V-6100(09K)   6300(12K)
208/230V-6100(09K)   6300(12K)   10500(18K)   13200(24K)

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