

# Window Air Conditioners

**AMANA®**



## Features:

- Quick and easy operation
- Cooling and Fan only Functions
- Dehumidification
- Sleep mode
- Power Failure Auto Restart
- 24-hour on/off timer
- Temperature display on the unit
- Reusable air filter with clean alert
- Window installation kit included

## 24-Hour On/Off Timer

Programmable 24-hour on/off timer cools on your schedule

## Sleep Mode

Sleep mode gradually increases the room temperature after being activated

MODEL	AMAP061BW	AMAP081BW	AMAP101BW	AMAP121BW	AMAP151BW
<b>PERFORMANCE</b>					
BTU Performance (Cooling)	6,000	8,000	10,000	12,000	15,000
Control Type	Electronic	Electronic	Electronic	Electronic	Electronic
Cooling Range	Up to 250 sq. ft.	Up to 350 sq. ft.	Up to 450 sq. ft.	Up to 550 sq. ft.	Up to 700 sq. ft.
EER	12.2	12.1	12.1	12.1	11.9
Dehumidification (Pts. / Hr.)	1.58	1.76	2.11	2.64	3.52
Air Flow (CFM): High / Med / Low	141 / 123 / 106	206 / 188 / 171	282 / 253 / 224	271 / 241 / 212	371 / 341 / 312
Indoor Noise (dBA): High / Med / Low	55 / 53 / 51	60 / 58 / 56	59 / 57 / 55	60 / 58 / 56	56 / 53 / 52
Outdoor Noise (dBA): High / Med / Low	63 / 60 / 58	64 / 62 / 58	66 / 64 / 61	66 / 64 / 61	65 / 62 / 59
Refrigerant Type	R410A	R410A	R410A/ 550g	R410A/ 650g	R410A/ 800g
<b>ELECTRICAL RATINGS</b>					
Voltage / 60 Hz	115 V	115 V	115 V	115 V	115 V
Amps	4.3	5.8	7.3	8.6	11
Watts	492 W	661 W	826 W	992 W	1261 W
<b>FEATURES</b>					
Air Direction	8-way	8-way	8-way	8-way	8-way
Cooling Speeds	High, Medium, Low	High, Medium, Low	High, Medium, Low	High, Medium, Low	High, Medium, Low
Remote Controller	Yes	Yes	Yes	Yes	Yes
Power Failure Auto Restart	Yes	Yes	Yes	Yes	Yes
Energy Saver Mode	Yes	Yes	Yes	Yes	Yes
Programmable Timer	Yes	Yes	Yes	Yes	Yes
Fan Only Option	Yes	Yes	Yes	Yes	Yes
Sleep Mode	Yes	Yes	Yes	Yes	Yes
Reusable Filter	Yes	Yes	Yes	Yes	Yes
Filter Alert	Yes	Yes	Yes	Yes	Yes
<b>DIMENSIONS / WEIGHT</b>					
Product Dimensions: W x D x H (in.)	18.6 x 15.6 x 13.3	18.6 x 17 x 13.3	21.5 x 19.8 x 14.7	21.5 x 19.8 x 14.7	25.4 x 23.6 x 17.9
Product Weight (lbs.)	44.1	50.7	63.9	72.8	105.8
Shipping Dimensions: W x D x H (in.)	22.4 x 18.9 x 17.1	22.4 x 20.5 x 17.1	25.2 x 23.6 x 18.9	25.2 x 23.6 x 18.9	30.7 x 27.2 x 22.2
Shipping Weight (lbs.)	60.8	68	86	92.6	136.2

# Ductless Wall Mount Split Systems



*For those who only want the BEST*



## TECHNICAL SPECIFICATIONS

- 17~19 SEER Ultra High Efficiency
- DC Inverter + Heat Pump in One System
- Single Zone (9,000 ~ 36,000 BTU/hr)
- 110V~120V / 208V~230V, 60Hz, 1Ph



Piping Kits



Port Adapters



Wireless Controller



Surge Protection



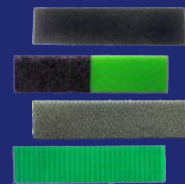
Mounting Brackets



Line Cover Kit



Vibration Absorbers



Air Filters

## STANDARD FEATURES

- Digital Backlit LED Display On Front Panel
- Designed For Standard Wall Hung Installation
- Reverse Cycle / Heat Pump Application
- Latest Design Attractive Acrylic Flat Panel
- Full ABS Plastic Casing for Indoor Units
- Removable Flip Open Style Front Panel Cover
- Washable Return Air Filter Cartridges
- Anti Discoloration Formulated Plastic Dyes
- Multitude of Optional Air Purifying Options
- LCD Screen Infrared Electronic Control
- Auto-Restart with Memory for Power Outages
- Timer for Preset Starting and Stopping
- Auto Changeover, Dry and Fan Only Modes
- Season Sensitive Operational Logic
- Self Learning Time-Demand Defrost Logic
- Automatic Synchronized Discharge Louver
- Three + Auto Speed Digital EC-DC Blower Motor
- Digital Motor Speed Control System
- Whisper Quiet Indoor Motor with Ball Bearings
- High Air Flow Volume for Quick Performance
- Ultra High Efficiency Grooved Copper Tubes
- Enhanced Louvered Hydrophilic Aluminum Fins
- Superior Efficiency Rating Under Variety of Conditions
- Dynamically Balanced Ultra Quiet Cross-Flow Blower
- Anti Mildew Treatment on Blower Wheels
- Internal Noise and Vibration Isolation
- High Output & Quiet Variable Speed Compressors
- Very Low Starting Current
- Large Capacity Suction Accumulators
- Ultra Galvanized Sheet Metal Parts
- Heavy Coat of Baked Enamel Paint for the Outdoor Unit
- Durable Outdoor Fan with High Glass Content
- Efficient, Permanently Lubricated EC-DC Outdoor Motor
- Internal Overload Protection for Motors
- Flare Type Refrigerant Connections
- Full Operating Charge of Refrigerant (R410A)
- Standardized Cabinet Design for all Models
- Piping and Wiring Through Bottom, Sides or Rear of Unit
- Highest Grade Components for Long Life Expectancy
- Ample Availability of Spare Parts and Accessories

## ACCESSORIES & OPTIONS

Quick Lookup Specs			(9K BTU/19 SEER/115V)	(12K BTU/19 SEER/115V)	(9K BTU/18 SEER/230V)	(12K BTU/19 SEER/230V)	(18K BTU/19 SEER/230V)	(24K BTU/17 SEER/230V)	(30K BTU/18 SEER/230V)	(36K BTU/16 SEER/230V)
System Model Number (System Set, 19 SEER Family)			WYS009AMFI19RL	WYS012AMFI19RL	WYS009GMFI19RL	WYS012GMFI19RL	WYS018GMFI19RL	WYS024GMFI19RL	WYS030GMFI17RL	WYS036GMFI17RL
System Product Code			22022010012796	22022010012696	22022010013156	22022010012697	22022010012959	22022010012958	22022010003572	22022010003573
Indoor Model Number			WS009AMFI19HLD	WS012AMFI19HLD	WS009GMFI19HLD	WS012GMFI19HLD	WS018GMFI19HLD	WS024GMFI19HLD	WS030GMFI17HLD	WS036GMFI17HLD
Indoor Product Code			22022011013660	22022011013540	22022011014040	22022011013541	22022011013851	22022011013850	22022011004098	22022011004099
Outdoor Model Number			YN009AMFI19RPD	YN012AMFI19RPD	YN009GMFI19RPD	YN012GMFI19RPD	YN018GMFI19RPD	YN024GMFI19RPD	YN030GMFI17RPD	YN036GMFI17RPD
Outdoor Product Code			22022016013779	22022016013680	22022016014119	22022016013679	22022016013946	22022016013945	22022016005119	22022016005120
Power Supply		Ph-V-Hz	115V-60Hz, 1Ph	115V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph	208-230V-60Hz, 1Ph
Cooling	Capacity (Range: Min~Max)	BTU/hr	9,000 (5,800~10,300)	12,000 (3,700~13,000)	9,000 (5,800~10,300)	12,000 (3,700~13,000)	18,000 (4,075~24,100)	24,000 (6,350~31,050)	30,000 (12,300~42,900)	36,000 (15,480~48,960)
	Input (Range: Min~Max)	Watt	782 (292~1,087)	1,020 (324~1,488)	820 (271~1,171)	1,065 (390~1,523)	1,645 (746~2,266)	2,500 (965~3,576)	2,857 (1,120~3,971)	4,235 (1,736~5,889)
	Rated Current	A	6.8	8.87	3.56	4.5	7.35	11	12.5	18.5
	EER	W/W	11.5	11	11	11.3	11	9.5	10.5	8.5
	SEER	BTU/W	19.5	19.5	18	19.5	19	17	18	16
Heating	Capacity (Range: Min~Max)	BTU/hr	10,000 (5,400~10,900)	12,000 (3,500~13,500)	9,000 (5,400~10,900)	12,000 (3,500~13,500)	18,000 (7,560~24,100)	24,000 (7,200~25,000)	30,000 (12,300~42,900)	36,000 (15,480~48,960)
	Input (Range: Min~Max)	Watt	925 (335~1,100)	1,026 (388~1,491)	864 (315~1,215)	1,025 (431~1,510)	1,700 (591~2,075)	2,200 (740~3,300)	3,110 (1,362~4,125)	3,835 (1,627~5,621)
	Rated Current	A	8.1	8.93	3.77	4.3	7.4	9.6	13.5	16.7
	COP	W/W	3.11	3.43	3.05	3.43	3.1	3.2	2.8	2.8
	HSPF4	BTU/hr	10	9.5	9.5	10	10	9.5	9.6	10
HSPF5	BTU/hr	7.8	7.8	8	8	8	8	8.1	8.4	
MINIMUM CIRCUIT AMPACITY		A	16	15	10	15	18	20	25	25
MAX FUSE		A	20	20	15	15	20	25	30	35
Moisture Removal		L/hr	1	1.2	1	1.2	1.8	2.4	3	3.5
		Pint/day	50	60	50	60	90	120	150	180
Compressor	Model		SKS103D33UEZ3	SKS103D33UEZ3	SKS103D33UEZ3	SKS103D33UEZ3	KSN140D21UFZ	KTM240D57UMT	ATF250D22UMT	ATF250D22UMT
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	BTU/hr	10578	10578	10578	10578	14962	26325	25760	25760
	Input	W	790	790	790	790	1140	2085	2070	2070
Rated Current (RLA)	A	6	6	6	6	7.5	9.5	17	17	
Refrigerant Oil Type		ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	
Refrigerant Oil / Oil Charge	ml (oz)	310 +/- 15	310 +/- 15	310 +/- 15	310 +/- 15	440 +/- 22.6	670 +/- 22.6	670 +/- 22.6	670 +/- 22.6	
Indoor Fan Motor	Model		ZKFP-20-8-113	ZKFP-20-8-113	ZKFP-20-8-6-7	ZKFP-20-8-6-7	ZKFP-30-8-3	ZKFP-58-8-1-5	ZKFP-58-8-1	ZKFP-58-8-1
	Brand		Welling	Welling	Welling	Welling	Welling	Welling	Welling	Welling
	Output Power	W	35	35	50	50	38	58	58	
Speed (Hi/Med/Lo)	r / min	1050/850/600	1100/850/750	1240/850/650	1100/900/750	1100/800/750	1100/900/750	1200/1050/950	1200/1050/750	1200/1050/750
Indoor Air Flow (Hi/Med/Lo)	m <sup>3</sup> /hr	420/310/220	500/360/240	483/318/221	500/480/360	669/446/379	1000/765/600	1350/1050/800	1450/1100/800	1450/1100/800
	CFM	247/182/129	294/212/141	284/187/130	324/282/212	393/263/223	589/450/353	795/618/471	853/647/471	853/647/471
Indoor Noise Level (Hi/Med/Lo)	dB(A)	38/32/25	38/30/28	41.5/31.5/26.5	38/32/24	43/35/30.5	48/42.5/34	52.5/50/44.5	54.5/50/38.5	54.5/50/38.5
	Dimensions (W*D*H)	mm	722 x 187 x 290	802 x 189 x 297	802 x 189 x 290	802 x 189 x 297	965 x 215 x 319	1080 x 226 x 335	1259 x 226 x 362	1259 x 226 x 362
Indoor Unit	Dimensions (W*D*H)	inches	28"-1/2x 7"-3/8x 11"-3/8	31"-5/8x 7"-1/2x 11"-3/4	28"-1/2x 7"-3/8x 11"-3/8	31"-5/8x 7"-1/2x 11"-3/4	38"x 8"-1/2x 12"-1/2	42"-1/2x 8"-7/8x 12"-1/2	49"-1/2x 11"-1/8x 14"-1/4	49"-1/2x 11"-1/8x 14"-1/4
	Packing (W*D*H)	mm	790*270*375	875*285*380	790*270*375	875*285*380	1045*305*410	1155*415*320	1340*450*380	1340*450*380
	Packing (W*D*H)	inches	31"-1/8x 10"-5/8x 14"-3/4	34"-1/2x 11"-1/4x 15"	31"-1/8x 10"-5/8x 14"-3/4	34"-1/2x 11"-1/4x 15"	41"-1/8x 12"x 16"-1/8	45"-1/2x 16"-3/8x 12"-5/8	52"-3/4x 17"-3/4x 15"	52"-3/4x 17"-3/4x 14"-1/4
	Net/Gross Weight	kg	7.8 / 10.3	8.6 / 11.3	7.7 / 10.3	8.6 / 11.3	10.9 / 14.6	13.7 / 18	19.6 / 25.2	19.6 / 25.2
	Net/Gross Weight	lbs	17 / 22.5	19 / 25	17 / 22.5	19 / 25	24 / 32	30 / 39.5	43 / 55.5	43 / 55.5
Outdoor Fan Motor	Model		ZKFN-34-8-1-3	ZKFN-34-8-1-3	ZKFN-34-8-1-3	ZKFN-34-8-1-3	ZKFN-34-8-1-3	ZKFN-50-8-2-3	ZKFN-120-8-2	ZKFN-120-8-2
	Input	W	58	58	58	58	115	120	120	
	Output	W	34	34	34	34	34	115	120	
	RLA	A	0.39	0.39	0.39	0.39	0.5	0.6	0.6	
	Winding Resistance	Ω	77.3	77.3	77.3	77.3	77.3	37.3	77.3	
Speed	r/min	850 / 650	800 / 650	850 / 650	800 / 650	800 / 650	800 / 650	900 / 750	900 / 750	
Outdoor Air Flow	m <sup>3</sup> /hr	2000	2000	2000	2000	2000	3100	4300	5000	
	CFM	1176	1176	1176	1176	1176	1823	2530	2943	
Outdoor Noise Level (High Speed)	dB(A)	52	55	52	55	57.5	58	63	63	
Outdoor Unit	Dimensions (W*D*H)	mm	770 x 300 x 555	800 x 333 x 554	770 x 300 x 555	800 x 333 x 554	800 x 333 x 554	845 x 363 x 702	946 x 420 x 810	946 x 420 x 810
	Dimensions (W*D*H)	inches	30"-3/8x 11"-7/8x 21"-7/8	31"-1/2x 13"-1/8x 21"-3/4	30"-3/8x 11"-7/8x 21"-7/8	31"-1/2x 13"-1/8x 21"-3/4	31"-1/2x 13"-1/8x 21"-3/4	33"-1/4x 14"-1/4x 27"-5/8	37"-1/2x 16"-1/2x 31"-7/8	37"-1/2x 16"-1/2x 31"-7/8
	Packing (W*D*H)	mm	900 x 345 x 595	920 x 390 x 615	900 x 345 x 595	920 x 390 x 615	920 x 390 x 615	965 x 395 x 775	1090 x 500 x 865	1090 x 500 x 865
	Packing (W*D*H)	inches	35"-3/8x 13"-5/8x 23"	36"-1/4x 15"-3/4x 24"-1/4	35"-3/8x 13"-5/8x 23"	36"-1/4x 15"-3/4x 24"-1/4	36"-1/4x 15"-3/4x 24"-1/4	39"x 15"-1/2x 30"-1/8	42"-7/8x 19"-5/8x 34"	42"-7/8x 19"-5/8x 34"
	Net/Gross Weight	kg	30.3 / 32.6	31.9 / 34.6	30.3 / 32.6	31.9 / 34.6	36.2 / 38.9	47.7 / 50.9	62.5/67.5	65/69.5
Net/Gross Weight	lbs	67 / 72	70 / 76	67 / 72	70 / 76	80 / 86	105 / 112	138 / 148	143 / 153	
Refrigerant Type / Amount	g	R410A / 850	R410A / 840	R410A / 850	R410A / 840	R410A / 1250	R410A / 1780	R410A / 2750	R410 / 3399	
Refrigerant Precharge for Tubing Length	ozs	R410A / 30	R410A / 30	R410A / 30	R410A / 30	R410A / 44	R410A / 63	R410A / 97	R410A / 120	
Additional Charge for Each Additional Foot	ft	0.16	0.16	0.16	0.16	0.16	0.32	0.32	0.32	
Design Test Pressure	MP (PSIG)	550 / 340	550 / 340	550 / 340	550 / 340	550/220	550/220	550 / 340	550 / 340	
Refrigerant Piping	Liquid Side / Gas Side	mm / inches	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ9.52 / Φ15.9 (3/8" / 5/8")	Φ9.52 / Φ15.9 (3/8" / 5/8")	Φ9.52 / Φ15.9 (3/8" / 5/8")
	Max. Piping Length	m	25	25	25	25	25	50	50	
		ft	80	80	80	80	100	165	210	
	Max Level Difference	m	10	10	10	10	20	25	30	
Connection Wiring	ft	33	33	33	33	65	80	100	100	
System Controller										
Operation Temperature Range	Indoor Temperature Setting Range (Cooling / Heating)	°C	17~30	17~30	17~30	17~30	17~30	17~30	17~30	17~30
		°F	62~86	62~86	62~86	62~86	62~86	62~86	62~86	62~86
	Indoor Temperature Operational Range (Cooling / Heating)	°C	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32	17 ~ 32 / 0 ~ 32
		°F	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86	62 ~ 90 / 32 ~ 86
	Frost Prevention Mode / Indoor Low Heat Setting	°C	8	8	8	8	8	8	8	8
		°F	46	46	46	46	46	46	46	46
Outdoor Ambient Range (Cooling / Heating)	°C	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30
	°F	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86
Recommended Application Area (est.)	m <sup>2</sup>	18~33	28~42	18~33	28~42	37~60	56~79	93~116		
	sq. ft.	200~350	300~450	200~350	300~450	400~650	600~850	1,000~1,250		
Loadable Quantity 20'/40'/40'HQ	sets	110 / 228 / 248	84 / 178 / 214	110 / 228 / 248	84 / 178 / 214	74 / 160 / 186	60 / 126 / 142	36 / 78 / 98		

Specifications and data listed herein are subject to change without notice due to constant product and engineering improvements. Always refer to the equipment nameplate for applicable exact information. Ratings are based on laboratory tests, performed in accordance with the applicable AHRI Standards for Variable Speed Mini Split Single Zone Heat Pump Systems.

Job Name/Location:

Tag #:

Date:

For:	File	Resubmit
	Approval	Other _____

PO No.:

Architect: \_\_\_\_\_ GC: \_\_\_\_\_

Engr: \_\_\_\_\_ Mech: \_\_\_\_\_

Rep: \_\_\_\_\_  
(Company) (Project Manager)

## LS090HXV2

### Single Zone Mega 115V Wall Mount

Outdoor Unit (ODU) - LSU090HXV2, Indoor Unit (IDU) - LSN090HXV2

#### Performance:

##### Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	3,070 ~ 9,000 ~ 10,330
SEER	20.00
EER	12.30

SEER - Seasonal Energy Efficiency Ratio      EER - Energy Efficiency Ratio

##### Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	3,070 ~ 10,900 ~ 12,520
Max. Heating @ Indoor 70°F DB Outdoor 19°F DB / 17°F WB	8,760 (80%)
HSPF	10.0

HSPF - Heating Seasonal Performance Factor  
Cooling Nominal Test Conditions:  
Indoor: 80°F DB / 67°F WB  
Outdoor: 95°F DB / 75°F WB

Heating Nominal Test Conditions:  
Indoor: 70°F DB / 60°F WB  
Outdoor: 47°F DB / 43°F WB

#### Electrical:

Power Supply (V/Hz/Ø)	115/60/1
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#### Outdoor Unit:

MOP (A)	25
MCA (A)	15
Cooling Rated Amps (A)	11.4
Heating Rated Amps (A)	11.4
Compressor (A)	11.0
Fan Motor (A)	0.4

MOP - Maximum Overcurrent Protection      MCA - Minimum Circuit Ampacity

#### Total Power Input:

Cooling Power Input (kW)	0.732
Heating Power Input (kW)	0.875

#### Piping:

Liquid Line (in., O.D.)	Ø1/4 Flare
Vapor Line (in., O.D.)	Ø3/8 Flare
Additional Refrigerant (oz./ft.)	0.22
Min. / Max. Pipe Length (ft.) <sup>2</sup>	9.8 / 49.2
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	23

#### Controls Features:

- 24-Hour on/off timer
- Two-way (Up / Down) Auto Swing
- Auto Changeover
- Auto Restart
- Jet Cool / Jet Heat
- Condensate Sensor Connection
- Energy Saving
- Inverter (Variable Speed Compressor)
- Self-cleaning Indoor Coil
- Sleep Mode
- Ultra-quiet Operation

#### Included Accessories:

- Wireless Remote Controller — AKB74955602

#### Optional Accessories:

- MultiSITE™ CRC1 - PREMTBVCO
- MultiSITE CRC1+ - PREMTBVC1
- Dry Contact for Third Party Thermostat - PDRYCB300
- Dry Contact (one [1] contact, 24 VAC external power) - PDRYCB100
- Dry Contact for (two [2] setpoints) - PDRYCB400

For a complete list of available accessories, contact your LG representative.

For continual product development, LG reserves the right to change specifications without notice.  
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#### Operating Range:

##### Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	14 ~ 65

##### Indoor Unit:

Cooling (°F WB)	53 ~ 75
Heating (°F DB)	60 ~ 86

#### System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	1.875
ODU Sound Pressure (Cooling / Heating) (±1 dB[A]) <sup>3</sup>	50 / 50
IDU Sound Pressure Cooling (H/M/L/Sleep) (±1 dB[A]) <sup>3</sup>	42 / 36 / 28 / 21
Heating (H/M/L) (±1 dB[A]) <sup>3</sup>	42 / 36 / 28
ODU Net / Shipping Weight (lbs.)	58.4 / 60
IDU Net / Shipping Weight (lbs.)	19.2 / 22
Heat Exchanger Coating	GoldFin™

#### Fan:

ODU Type	Propeller
IDU Type	Cross Flow
Fan Speeds (Fan/Cool/Heat)	6 / 6 / 6
Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Max. Air Flow Rate (CFM)	953
IDU Air Flow Cooling, Max/H/M/L (CFM)	459 / 353 / 264 / 148
Heating, Max/H/M/L (CFM)	459 / 353 / 254 / 198
Dehumidification (pts./hr.)	2.32

#### Notes:

1. Acceptable operating voltage: 98V-132V.
2. Piping lengths are equivalent.
3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 14 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes.
5. See Engineering Manual for sensible and latent capacities.
6. Power wiring cable size must comply with the applicable local and national code.
7. The indoor unit comes with a dry helium charge.
8. This data is rated 0 ft. above sea level, with 24.6 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.
9. Must follow installation instructions in the applicable LG installation manual.



Job Name/Location: \_\_\_\_\_

# LS090HXV2

## Single Zone Mega 115V Wall Mount

Outdoor Unit (ODU) - LSU090HXV2, Indoor Unit (IDU) - LSN090HXV2



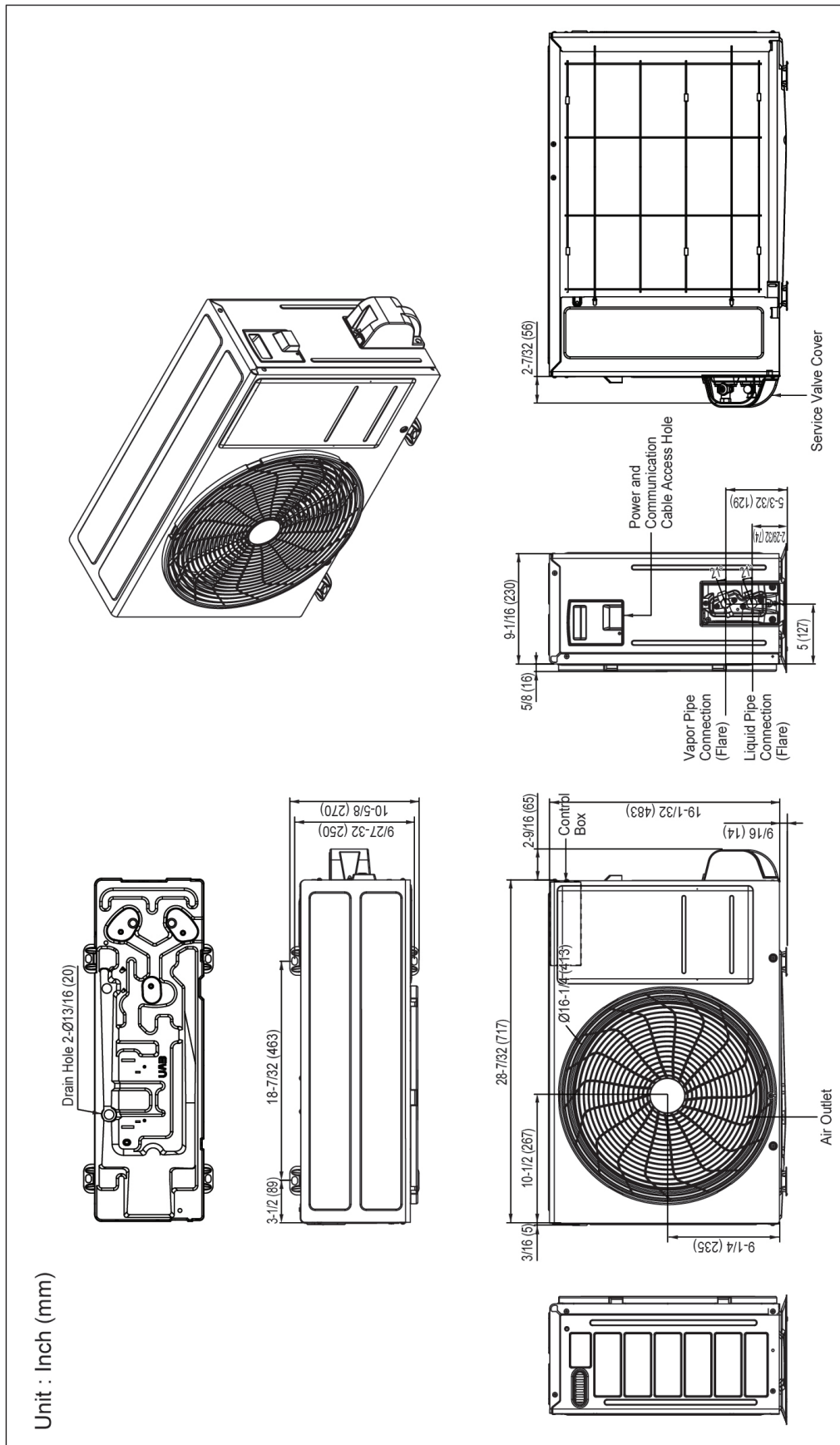
# LG

Life's Good

Tag No.: \_\_\_\_\_

Date: \_\_\_\_\_

PO No.: \_\_\_\_\_







RV Products Division

**COLEMAN-MACH  
DATA INQUIRY SHEET  
482X3C9XX  
MACH 3+**

Capacity (Nominal BTUH)	Cooling/Heating Heating (1)	13,500 5,600
Electrical Rating	115 VAC, 60 HZ, 1 Phase	
Cooling Full Load AMP's at A.R.I. Standard Condition	Compressor Fan Motor Low – 2.7 High – 3.4 Total	9.7 12.4 13.1
Feature Equipment Amps	Heating (1)	16
Running Watts (cooling) A.R.I. Standard Condition (80 F. DB 67 F. WB Indoor, 95 F. DB Outdoor)	1400	
Running Watts (cooling) Desert Condition (100 F. DB 72 F. WB Indoor, 120F. DB Outdoor)	1695	
Running Watts (heating) (1)	1800	
Compressor Locked Rotor Amps	50.5	
Metering Device	Capillary Tube	
Refrigerant Charge – R-410A	11.50 oz.	
Evaporator Air Delivery (CFM)	320 – High Speed	
Generator Size	See “Generators” Below	
Unit Weight (pounds)	79.5 lbs. (2)	
Use time delay fuse or circuit breaker (U.L. H.A.C.R. Type C.S.A.) Rated at 20 amps. Supply wires 12 AWG Min. (Copper)		

- (1) When equipped with Elect-A-Heat feature.
- (2) Ceiling assemblies may add an additional 3.5 to 12.5 lbs. depending on the model number.

**CEILING ASSEMBLY:** Any 8330, 9330, 7330B751, -755 and 7530B750 Series

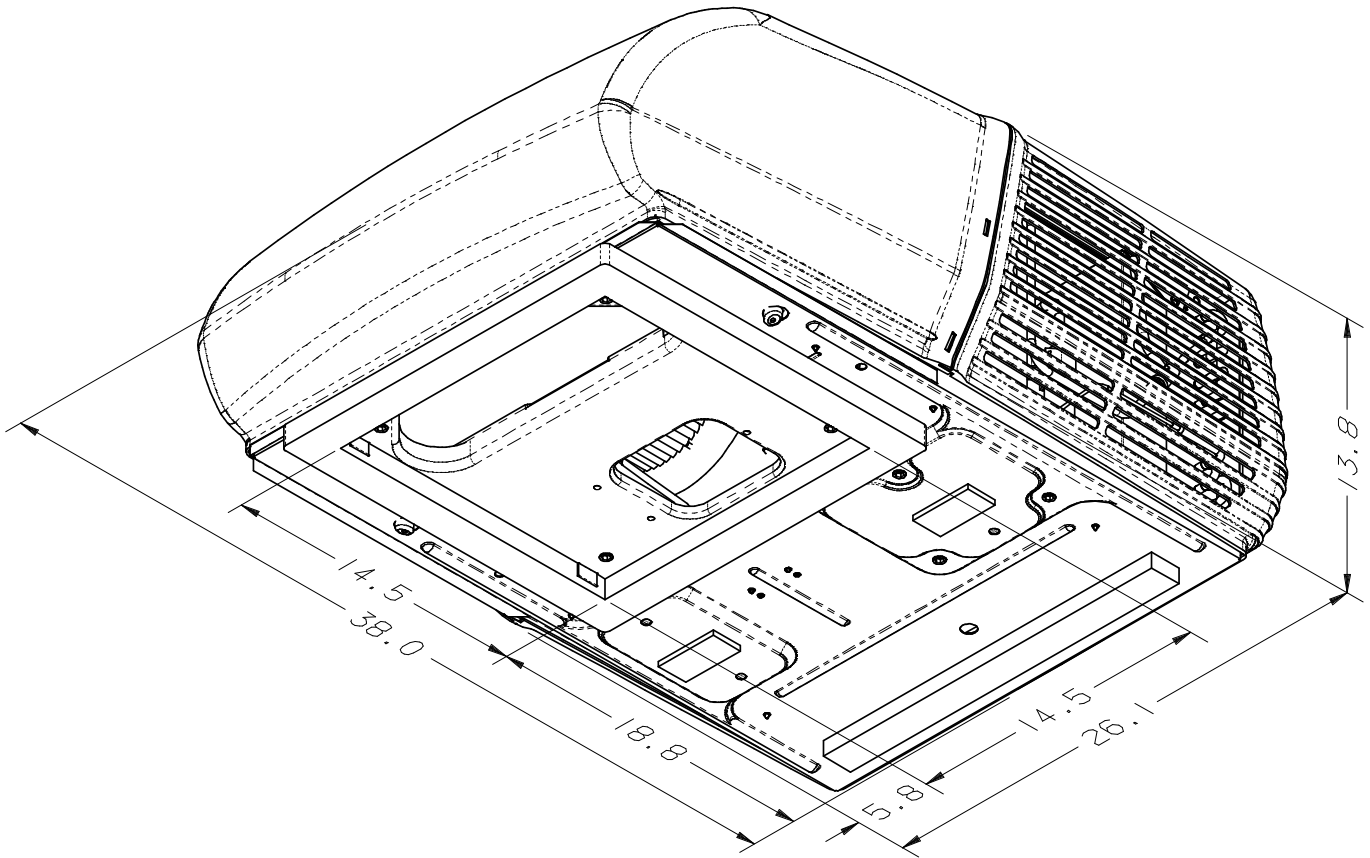
**GENERATORS:**

It is not the policy of Airxcel, Inc. to size generators for application in Recreation Vehicles or related structures. However, when sizing generators, the total electrical power consumption in Watts must be determined and taken into consideration, such as:

- A. Maximum running watts of the air conditioner at Airxcel, Inc. Desert Test (See Specifications).
- B. Power consumption of electronic ovens, toasters, coffeemakers, television sets, refrigerators, lights, etc.
- C. Generators do lose capacity under the following conditions: (1) Altitude increases above sea level, (2) Temperature increases above certain outdoor design temperatures, and (3) Lack of maintenance.

**Airxcel Inc.  
RV Products Division  
P.O. Box 4020  
Wichita, KS 67204**

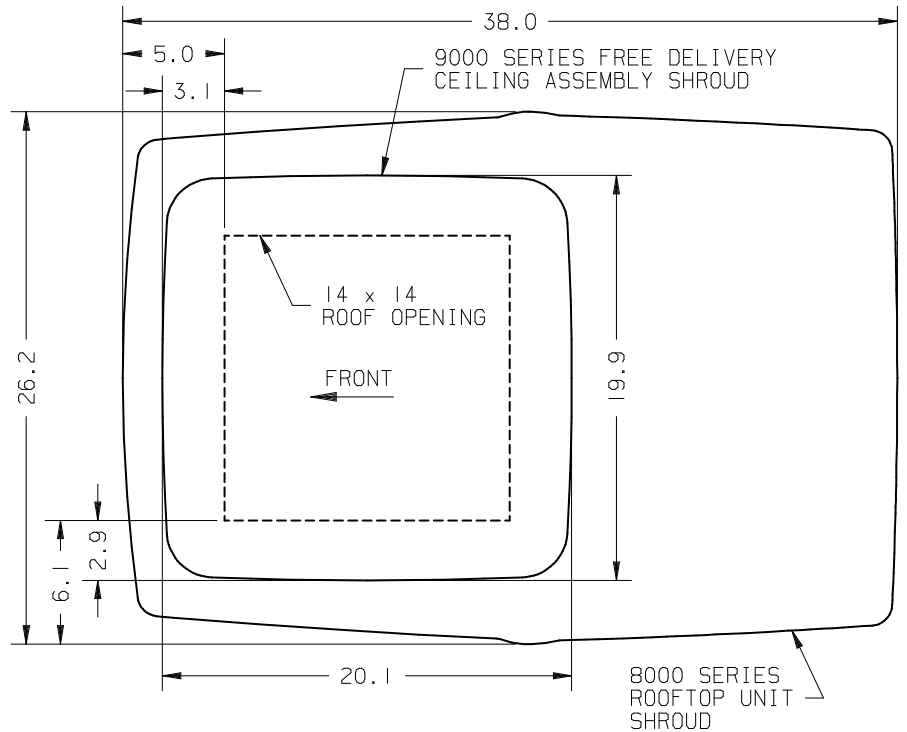
### ROOF TOP UNIT DIMENSIONS



### QUICK REFERENCE CHART

DIMENSIONS	
Exterior Shroud	Height 13.8
	Width 26.1
	Length 38.0
Interior Shroud	Depth 2.2
	Width 19.9
	Length 20.1

### CEILING SHROUD DIMENSIONS







**COLEMAN-MACH  
DATA INQUIRY SHEET  
452X3\*8XX3  
MACH 10 – 13.5K A/C NDQ**

Capacity (Nominal)	Cooling Heating(1)	13,500 5,600
Electrical Rating	115 VAC, 60 HZ, 1 Phase	
Cooling Full Load AMP's at A.R.I. Standard Condition	Compressor Fan Motor Total	8.7 Low – 1.2      High – 1.7 9.9              10.4
Feature Equipment Amps	Heating (1)	16
Running Watts (Cooling) A.R.I. Standard Condition (80° F. DB/67° F. WB Indoor, 95° F. DB Outdoor)	1216	
Running Watts (Cooling) Maximum Condition (100° F. DB/72° F. WB Indoor, 120° F. DB Outdoor)	1500	
Running Watts (Heating) (1)	1800	
Compressor Locked Rotor Amps	45.5	
Metering Device	Capillary Tube	
Refrigerant Charge (R410A)	15.00 oz	
Evaporator Air Delivery (High Speed)	265 cfm	
Generator Size	See "Generators" Below	
Unit Weight (2)	80 lbs. (2)	
Use time delay fuse or circuit breaker (U.L. H.A.C.R. Type C.S.A.) Rated at: Minimum 15 Amps; Minimum (1) 20 Amps; Maximum 20 Amps. See Product Installations for proper wire sizes.		

- (1) When equipped with Elect-A-Heat feature.
- (2) Ceiling assemblies may add an additional 3.5 to 12.5 lbs. depending on the model number.

**CEILING ASSEMBLY:** Any 9430 series C/A

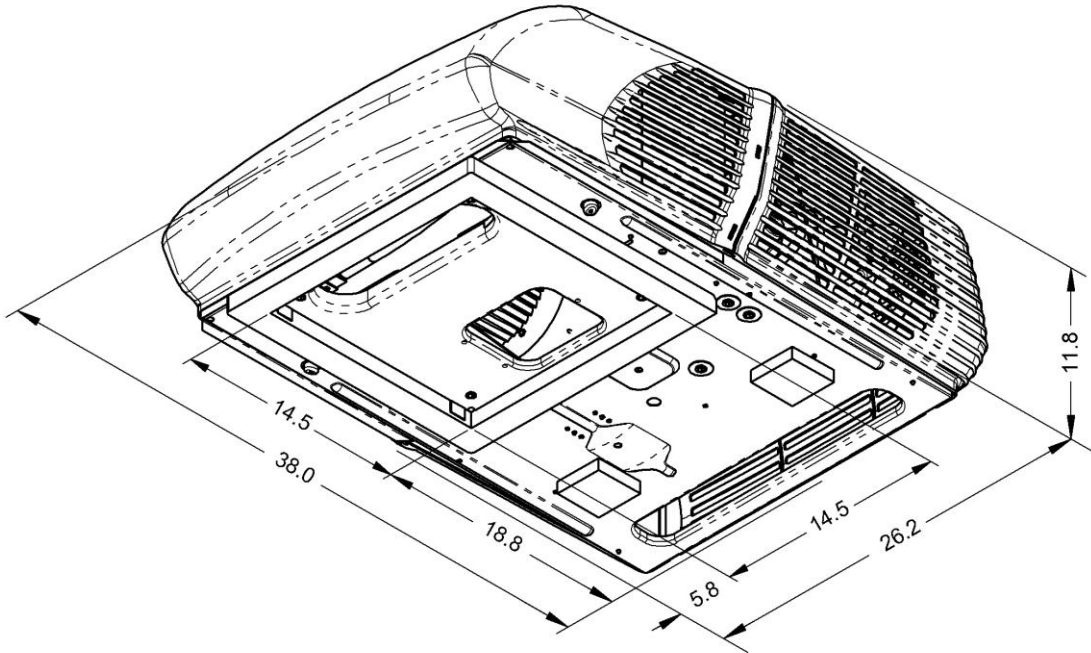
**GENERATORS:**

It is not the policy of Airxcel, Inc. to size generators for application in Recreation Vehicles or related structures. However, when sizing generators, the total electrical power consumption in Watts must be determined and taken into consideration, such as:

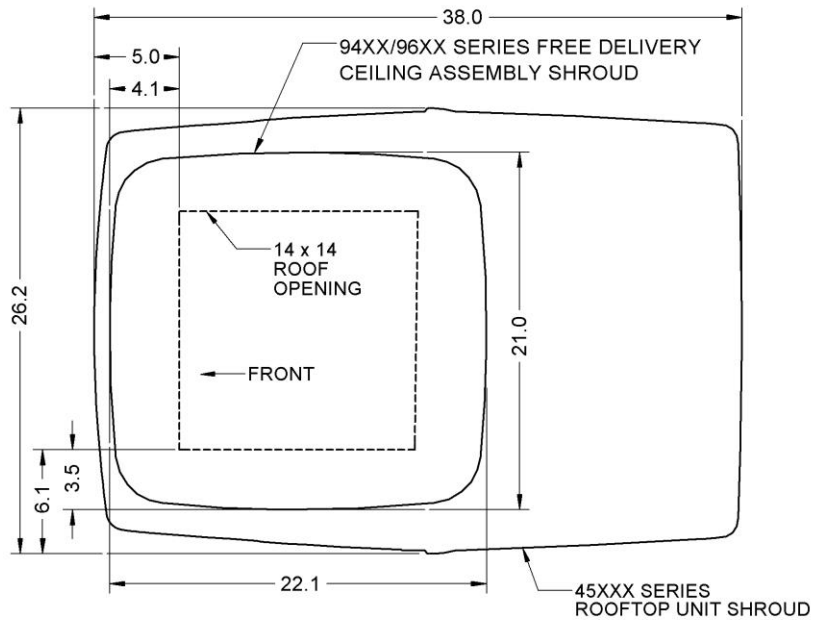
- A. Maximum running watts of the air conditioner at Airxcel, Inc. Desert Test (See Specifications).
- B. Power consumption of electronic ovens, toasters, coffeemakers, television sets, refrigerators, lights, etc.
- C. Generators do lose capacity under the following conditions: (1) Altitude increases above sea level, (2) Temperature increases above certain outdoor design temperatures, and (3) Lack of maintenance.

**Airxcel, Inc.  
RV Products Division  
P.O. Box 4020  
Wichita, KS 67204**

## ROOF TOP UNIT DIMENSIONS



## CEILING SHROUD DIMENSIONS



## QUICK REFERENCE CHART

DIMENSIONS (mm/inches)		
Exterior Shroud	Height	11.8
	Width	26.2
	Length	38.0
Interior Shroud	Depth	2.2
	Width	21.0
	Length	22.1

# SPECS

## TECHNICAL PARAMETERS

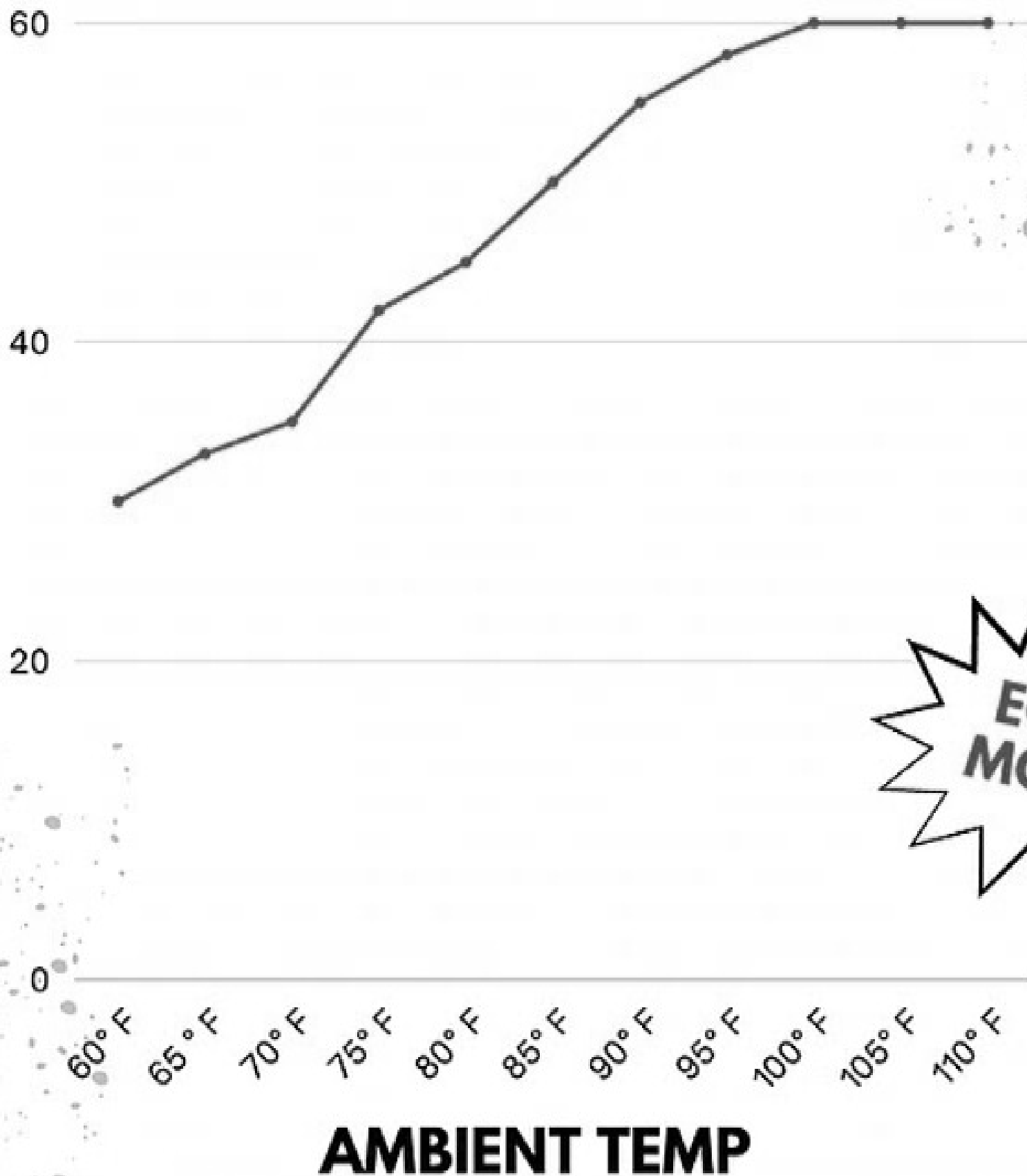
Model:	2000 and 3000
Cooling capacity (Standard mode):	2800W
Driven mode:	Battery driven unit
Installing type:	Mono-block & rooftop mounted
Compressor Voltage:	DC12V/24V/48V
Evaporator blower air volume:	650m <sup>3</sup> /h
Condenser fan air volume:	1050m <sup>3</sup> /h
Compressor:	15cc/r, 18cc/r or 27cc/r
Dimensions (mm):	900×804×160
Dimensions (in):	35.5×32×7
Weight (kg):	27.69
Weight (lb):	61.05
Refrigerant:	R134a, 550g
Suitable vehicles:	All machineries and vehicles
Optional parts:	Wireless controller

## PRODUCT FEATURES

Control panel operation  
Remote control available  
System operational modes:  
Cooling  
Fan  
Wind speed manually adjustable:  
One speed  
Two speed  
Three speed  
Safety enforced electrical parameters.  
Reliable performance.  
Software uses programmable control  
Electronics monitor A/C details  
Complete protection for A/C system and vehicle power  
Electronic error detection  
Temperature sensor  
Hose pressure sensor  
Power voltage sensor.  
Malfunction alarm.  
Interior reading lights x 2  
High strength cover.



# NOMADIC 3000 12V AIR CONDITIONER

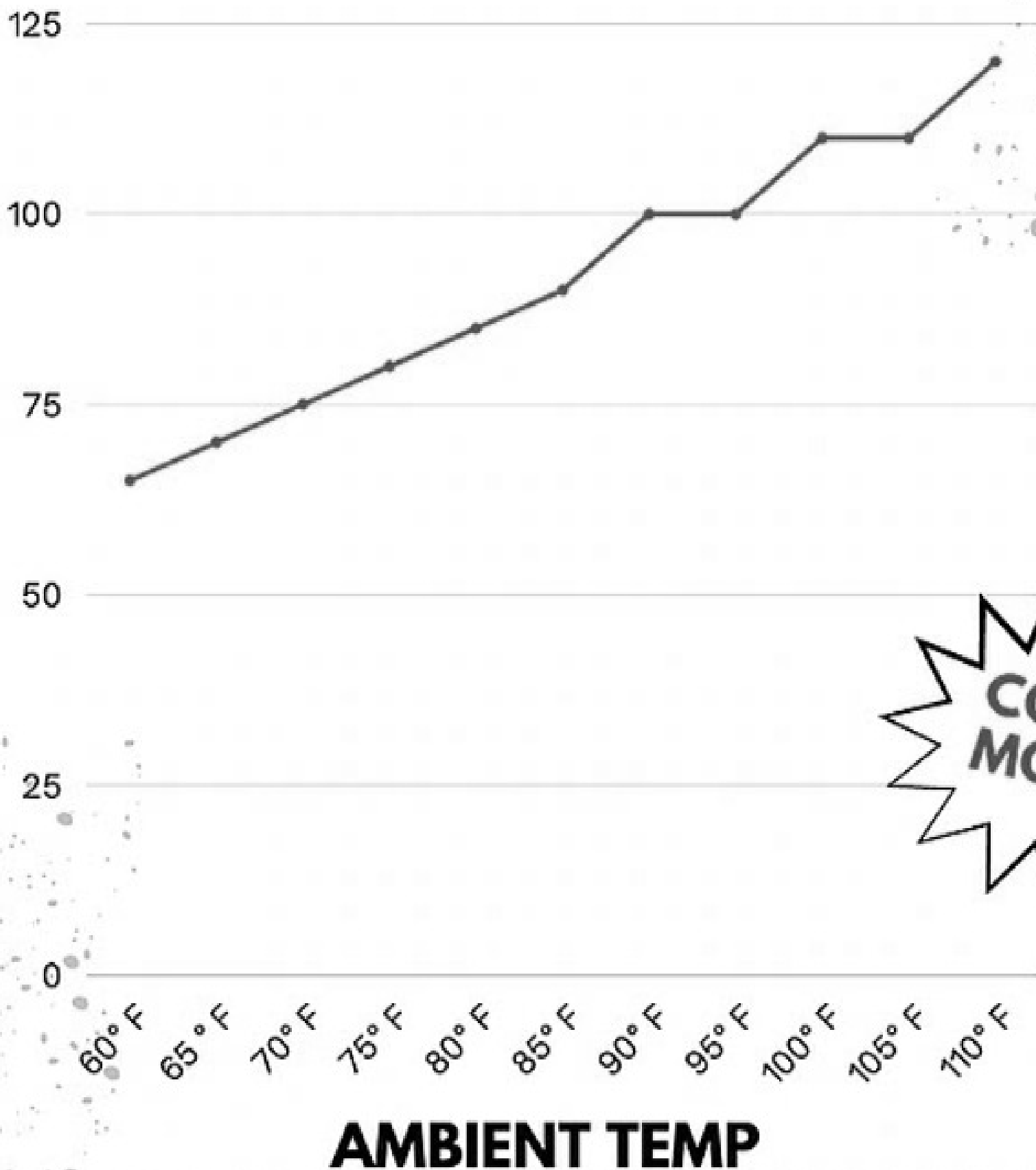


**ECO  
MODE**

EXPECTED PERFORMANCE, NOMADIC RECOMMENDS CUSTOMERS TO USE ECO MODE WHEN IN TEMPS 85 °F & B



# NOMADIC 3000 12V AIR CONDITIONER



**COOL  
MODE**