

Submittal Data: UMAT18HP230V1AC		18,000 BTUH Ceiling Cassette Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
Unit Designation		For ☐ Reference ☐ Approval ☐ Construction	
Schedule No.			
GENERAL FEATURES -Multi-Speed Fan -4-way Discharge Air -Internal Condensate Drain Pump -Wireless Remote Controllers -Power Failure Recovery -Sentry Condensate Overflow Protection -Decorative Grille (Part# UMAT18GRILLE -Sold Separately) -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty		 AHRI Certified Ref No: 7630508	
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 17,100 BTU/H Capacity Range 5,400-18,700 BTU/H Power Input (Max) 1,750 W SEER 16.0 EER 10.1		Fan Motor Output Power 1/5HP FLA 0.5 A	
Heating at 47° F Rated Capacity 18,800 BTU/H Capacity Range 4,700-22,200 BTU/H Power Input (Max) 1,900 W HSPF 9.0 COP 2.7		Airflow Cooling Wet (Lo/Hi) 353/445 CFM Heating Dry (Lo/Hi) 353/445 CFM	
Heating at 17° F Rated Capacity 9,900 BTU/H		Air Throw (max) 11.5 ft Sound Pressure Level Cooling (Min/Max) 37/46 db(A) Heating (Min/Max) 37/46 db(A)	
Operating Range Cooling (Max) 118°F (48 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) 0°F (-18 C)		Dehumidification 0.85 pt/hr Condensate Drain Lift (Height) 39 in Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Interconnecting Cable Wire Size 18-2 AWG MCA 1.0A MOCP/Breaker Size 15A	
Refrigerant Piping Data Gas Pipe Size (OD) 1/2-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared Factory Charge 49.6 oz Additional Charge 0.3 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 164-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 49-ft		Outdoor Unit Data Compressor DC Inverter Driven Rotary RLA 12.0 A Refrigerant Type R410A Fan Motor Output Power 1/6HP FLA 1.5 A Sound Pressure Cooling/Heating 56/56 db(A) Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 17.0A MOCP/Breaker Size 25 A	
    			

SYSTEM FEATURES

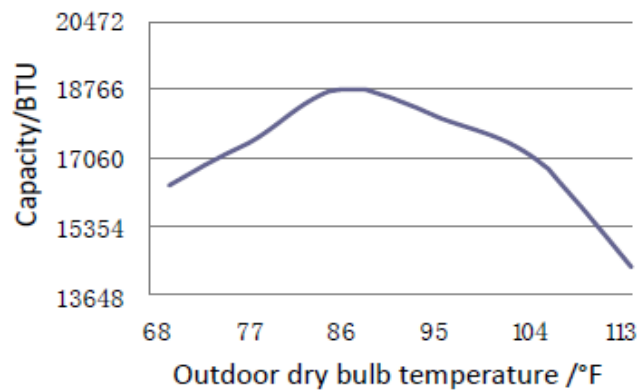
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

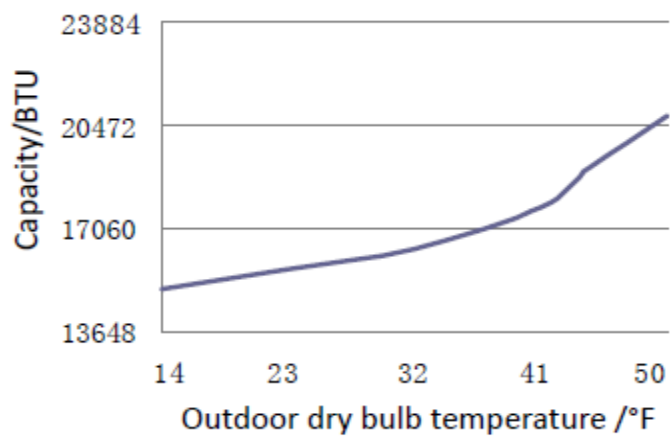
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE

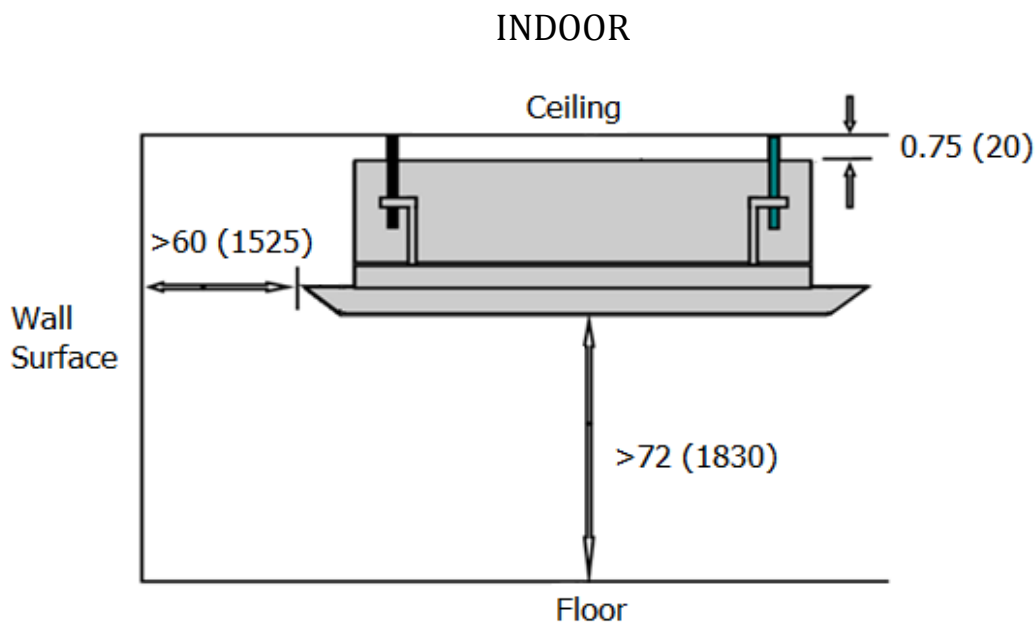


HEATING PERFORMANCE

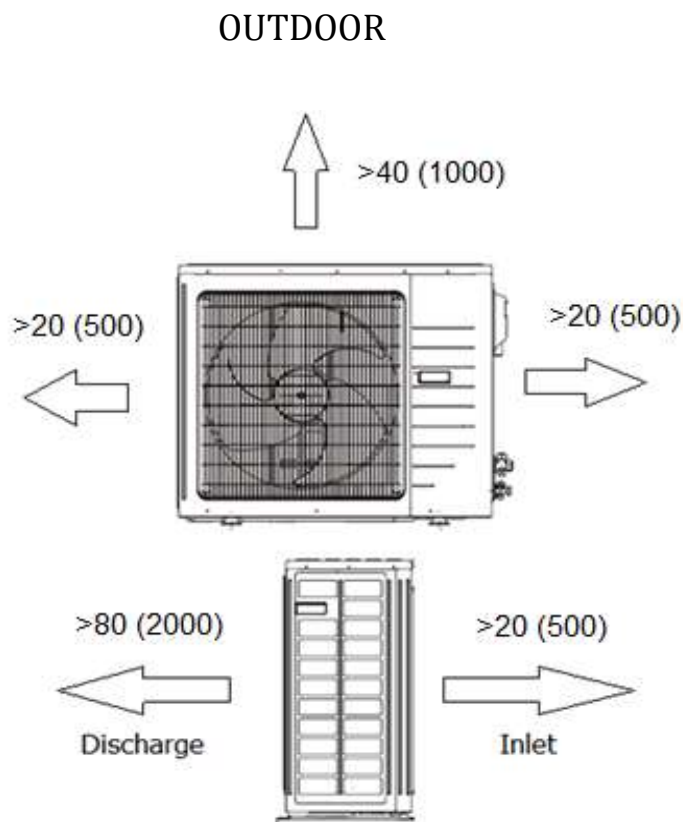


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Units: inch (mm)

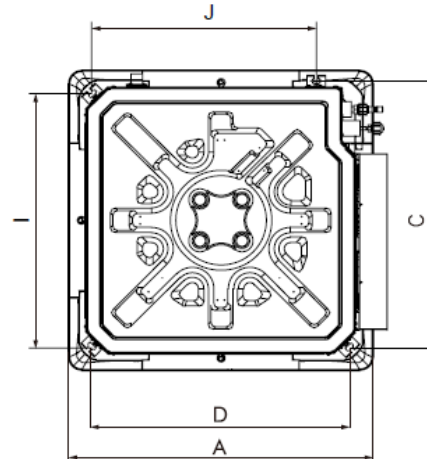
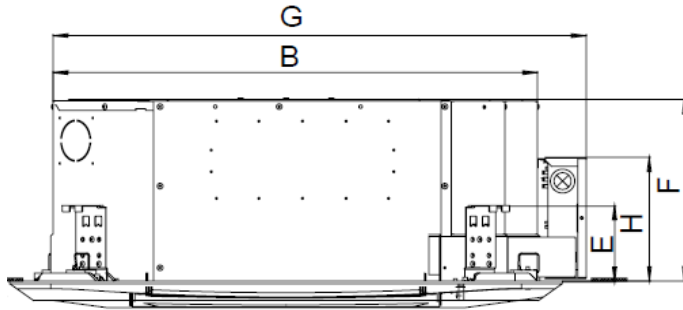


DIMENSIONAL SPECIFICATIONS

UMAT18HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



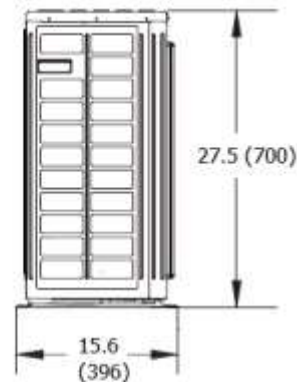
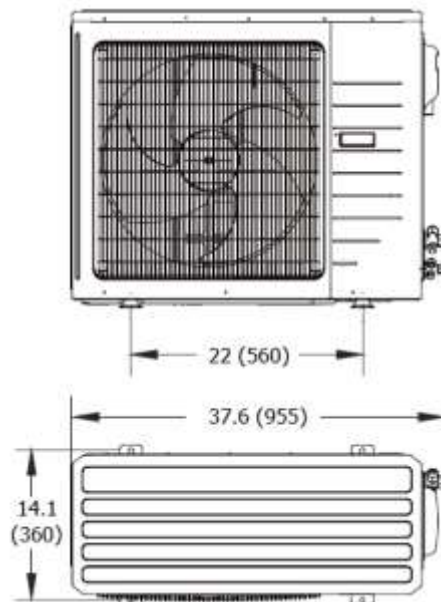
A	B	C	D	E	F	G	H	I	J
26.38	23.5	23.25	22.625	5.75	9.5	26.125	9.25	22.625	19.875
670	596	592	575	145	240	665	236	575	505

Net Weight	44.0 lbs
Shipping Weight	52.8 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	1-in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



Net Weight	105.6 lbs
Shipping Weight	114.4 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.

Submittal Data: UMAT24HP230V1AC

24,000 BTUH Ceiling Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Part# UMAT24GRILLE -Sold Separately)
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7630960

System Ratings
Cooling

Rated Capacity	23,800 BTU/H
Capacity Range	8,200-29,000 BTU/H
Power Input (Max)	2,500 W
SEER	18.0
EER	10.7

Heating at 47° F

Rated Capacity	27,200 BTU/H
Capacity Range	8,200-32,400 BTU/H
Power Input (Max)	2,750 W
HSPF	10.0
COP	3.4

Heating at 17° F

Rated Capacity	15,700 BTU/H
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Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	78.4 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	0.5 A
Airflow		
	Cooling Wet (Lo/Hi)	510/765 CFM
	Heating Dry (Lo/Hi)	510/765 CFM
Ait Throw (max)		13 ft
Sound Pressure Level		
	Cooling (Min/Max)	38/46 db(A)
	Heating (Min/Max)	38/46 db(A)
Dehumidication		1.14 pt/hr
Condensate Drain Lift (Height)		39 in
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	Interconnecting Cable Wire Size	18-2 AWG
	MCA	1.0A
	MOCP/Breaker Size	15A

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	18.0 A
Refrigerant Type		R410A
Fan Motor	Output Power	1/6HP
	FLA	1.5 A
Sound Pressure		
	Cooling/Heating	57/57 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	24.0A
	MOCP/Breaker Size	40 A

SYSTEM FEATURES

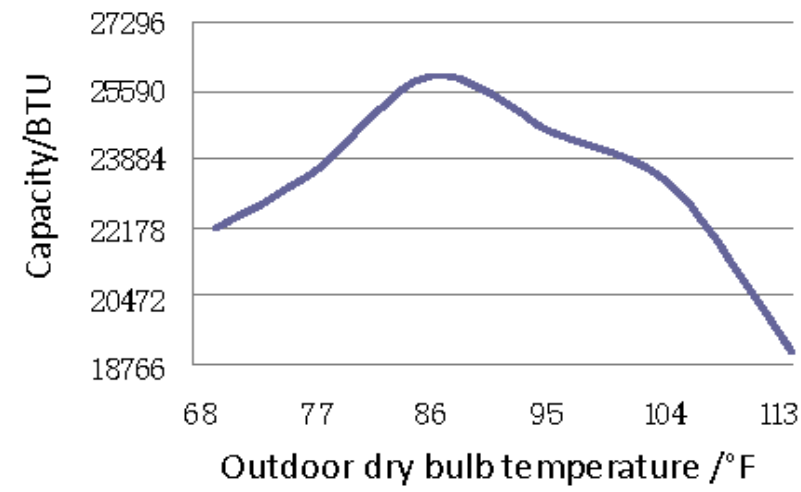
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

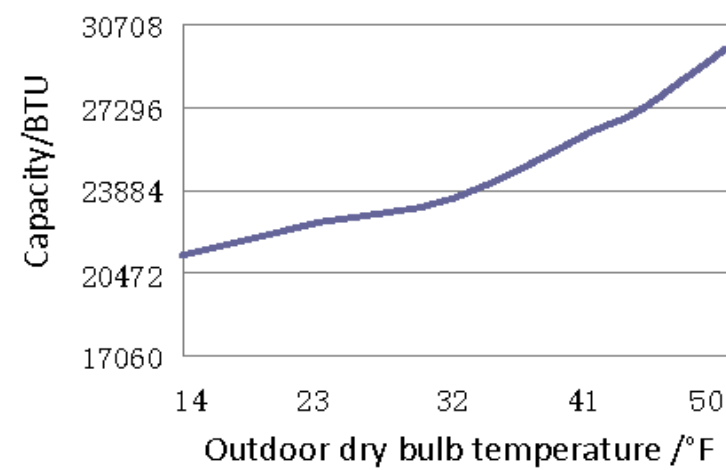
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE

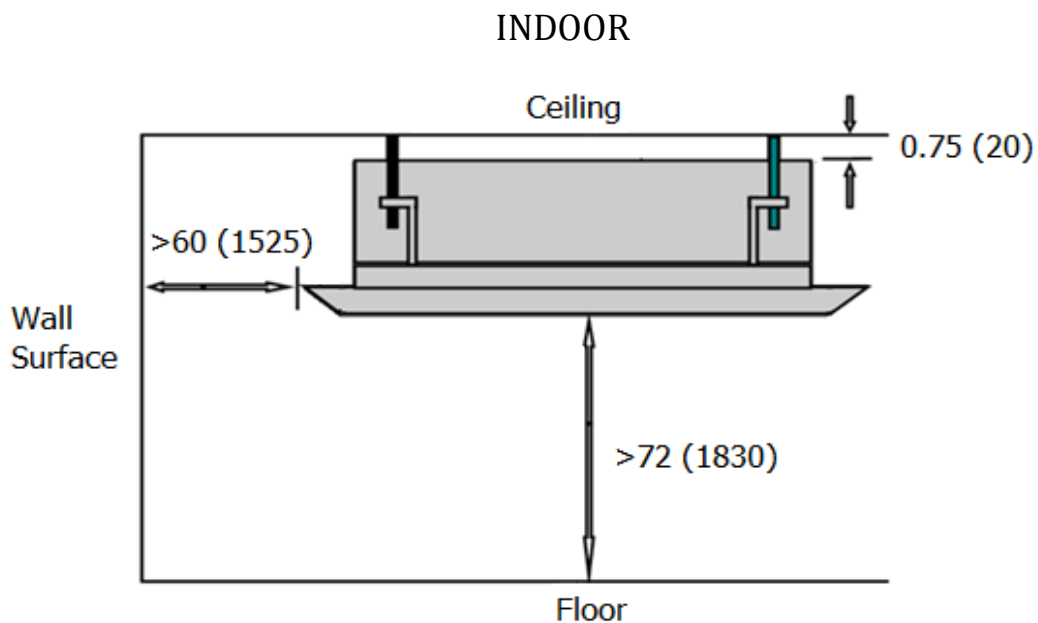


HEATING PERFORMANCE

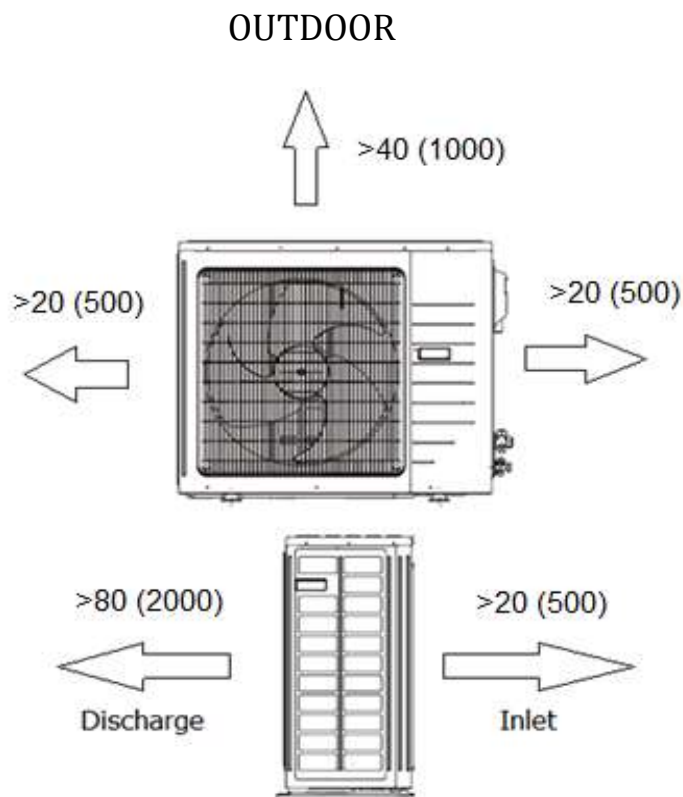


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Units: inch (mm)

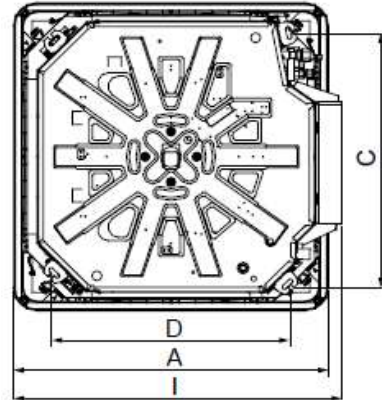
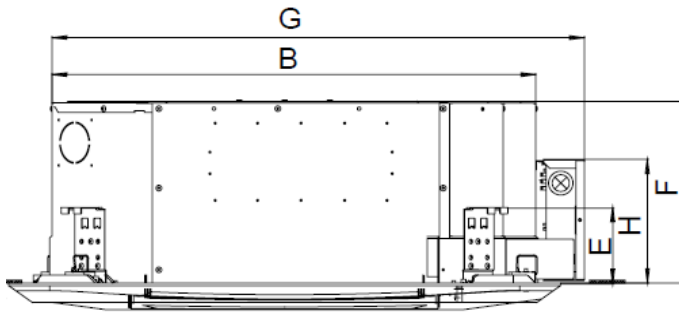


DIMENSIONAL SPECIFICATIONS

UMAT24HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



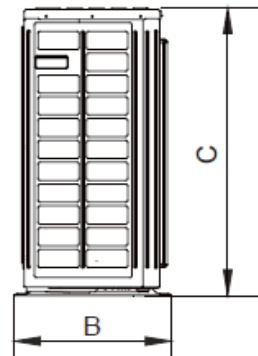
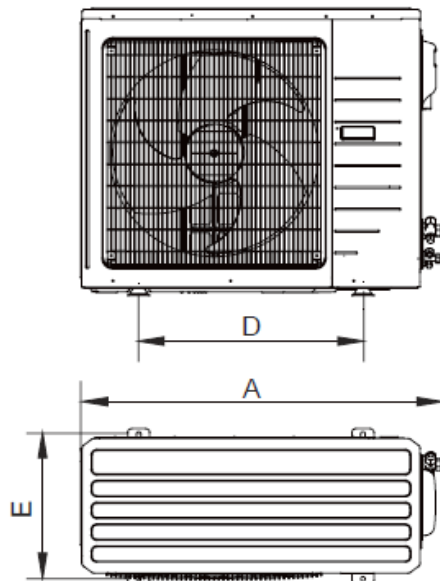
A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Net Weight	59.4 lbs
Shipping Weight	83.6 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	1-in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625 (980)
B	16.75 (427)
C	31.125 (790)
D	24.0 (610)
E	15.5 (395)

Net Weight	151.8 lbs
Shipping Weight	162.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Innovative Ductless Mini Split Solution

Submittal Data: UMAT30HP230V1AC

30,000 BTUH Ceiling Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation

Schedule No.

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Part# UMAT30GRILLE -Sold Separately)
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7630984

System Ratings

Cooling

Rated Capacity	28,200 BTU/H
Capacity Range	8,800-31,400 BTU/H
Power Input (Max)	3,700 W
SEER	20.0
EER	10.4

Heating at 47° F

Rated Capacity	31,200 BTU/H
Capacity Range	8,200-33,600 BTU/H
Power Input (Max)	3,500 W
HSPF	9.0
COP	3.7

Heating at 17° F

Rated Capacity	16,700 BTU/H
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Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	84.8 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	0.9 A
Airflow		
Cooling	Wet (Lo/Hi)	587/880 CFM
Heating	Dry (Lo/Hi)	587/880 CFM
Air Throw (max)		14.75 ft
Sound Pressure Level		
Cooling	(Min/Max)	40/48 db(A)
Heating	(Min/Max)	40/48 db(A)
Dehumidification		1.42 pt/hr
Condensate Drain Lift (Height)		39 in
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	1.5A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	18.0 A
Refrigerant Type		R410A
Fan Motor	Output Power	1/6HP
	FLA	1.5 A
Sound Pressure		
	Cooling/Heating	58/58 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	24.0A
	MOCP/Breaker Size	40 A



SYSTEM FEATURES

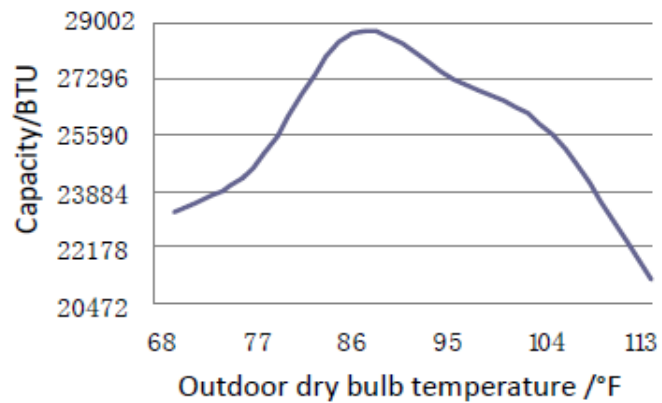
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

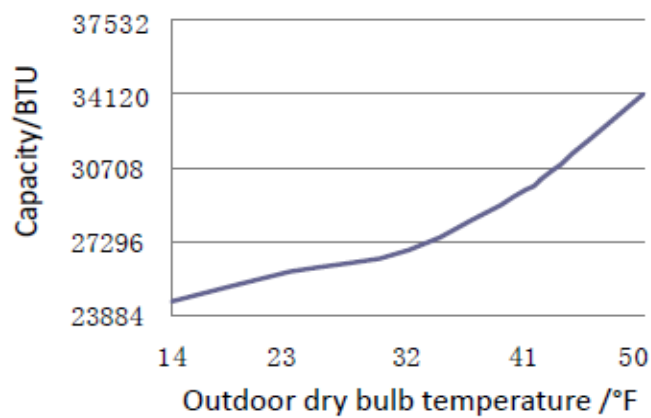
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE

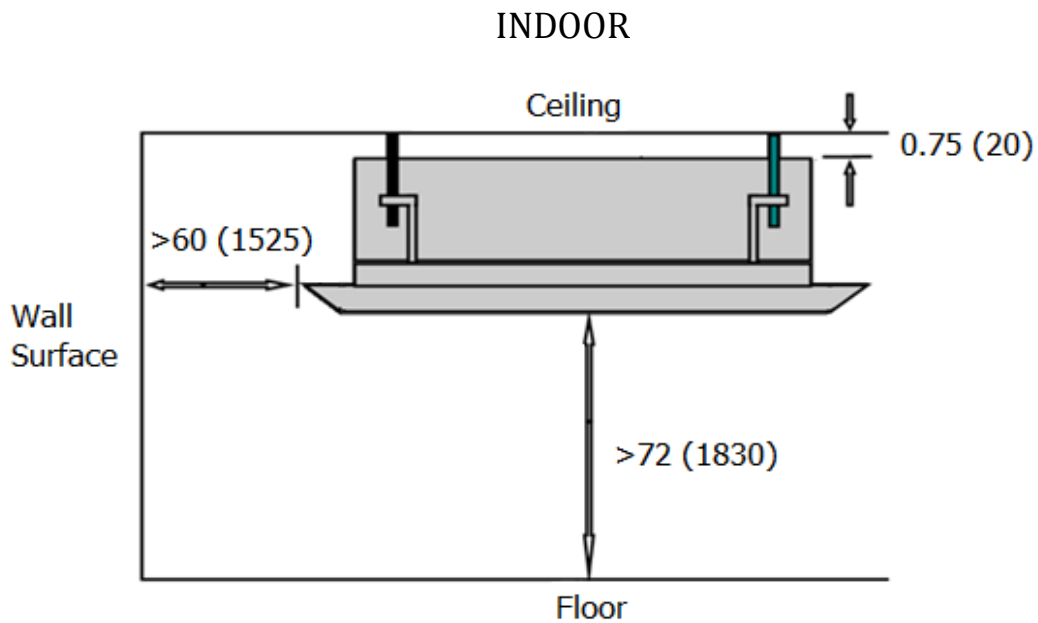


HEATING PERFORMANCE

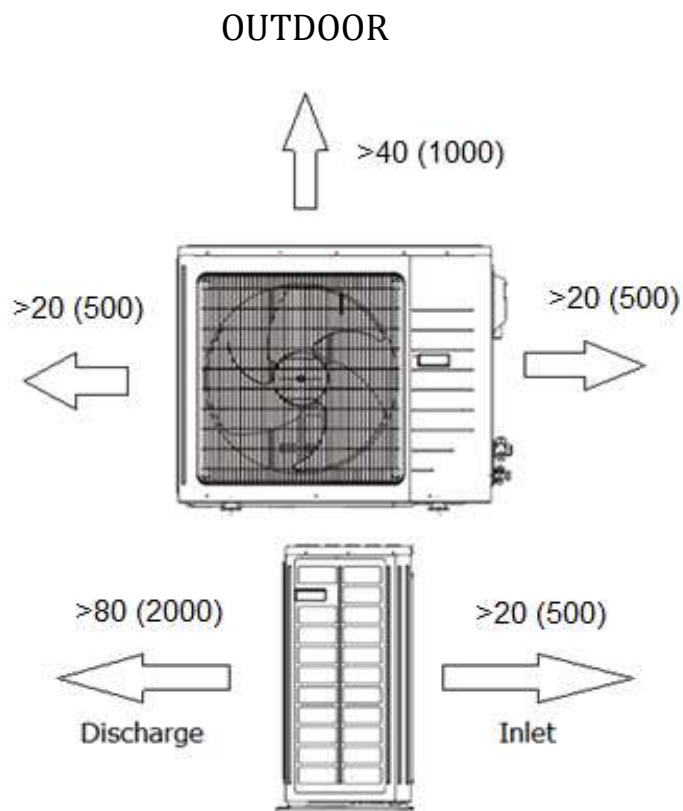


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Units: inch (mm)

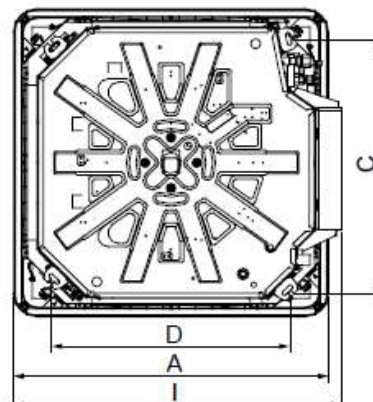


DIMENSIONAL SPECIFICATIONS

UMAT30HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



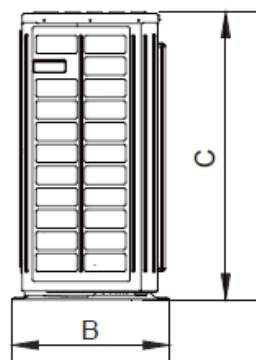
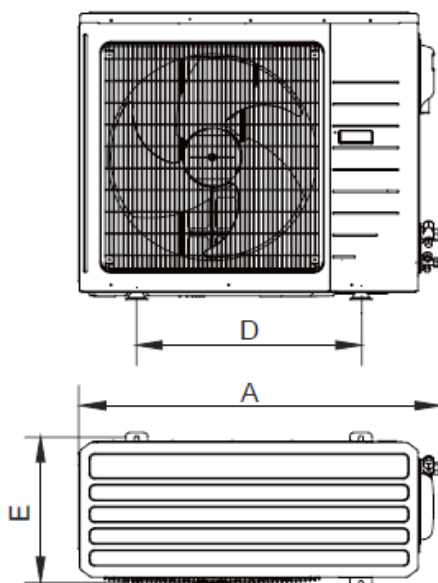
A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Net Weight	70.4 lbs
Shipping Weight	96.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	1-in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625 (980)
B	16.75 (427)
C	31.125 (790)
D	24.0 (610)
E	15.5 (395)

Net Weight	158.4 lbs
Shipping Weight	169.4 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Innovative Ductless Mini Split Solution

Submittal Data: UMAT36HP230V1AC

36,000 BTUH Ceiling Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation Schedule No.

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Part# UMAT36GRILLE -Sold Separately)
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7631064

System Ratings

Cooling

Rated Capacity	34,000 BTU/H
Capacity Range	10,800-39,000 BTU/H
Power Input (Max)	4,500 W
SEER	16.0
EER	10.4

Heating at 47° F

Rated Capacity	41,000 BTU/H
Capacity Range	9,800-49,500 BTU/H
Power Input (Max)	4,800 W
HSPF	9.0
COP	3.2

Heating at 17° F

Rated Capacity	23,400 BTU/H
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Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	123.2 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/3HP
	FLA	0.9 A
Airflow		
Cooling	Wet (Lo/Hi)	730/1095 CFM
Heating	Dry (Lo/Hi)	730/1095 CFM
Air Throw (max)		16.4 ft
Sound Pressure Level		
Cooling	(Min/Max)	43/49 db(A)
Heating	(Min/Max)	43/49 db(A)
Dehumidification		1.61 pt/hr
Condensate Drain Lift (Height)		39 in
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	1.5A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	21.2 A
Refrigerant Type		R410A
Fan Motor	Output Power	2/9HP
	FLA	2.0 A
Sound Pressure		
	Cooling/Heating	63/63 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	29.0A
	MOCP/Breaker Size	45 A



SYSTEM FEATURES

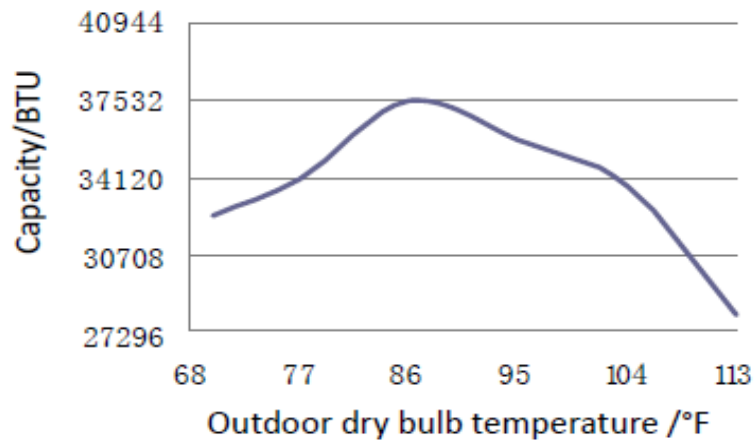
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

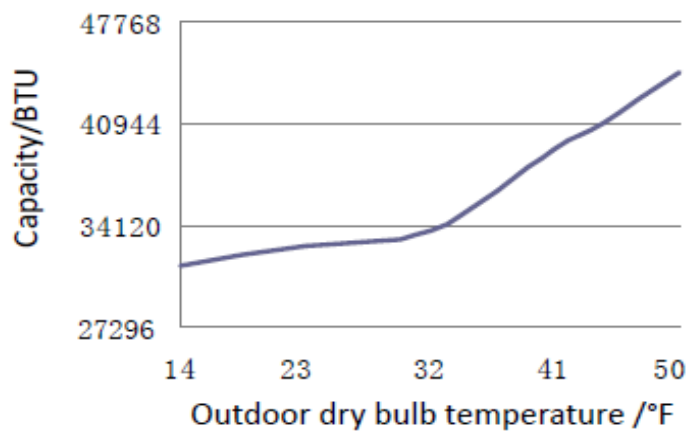
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE

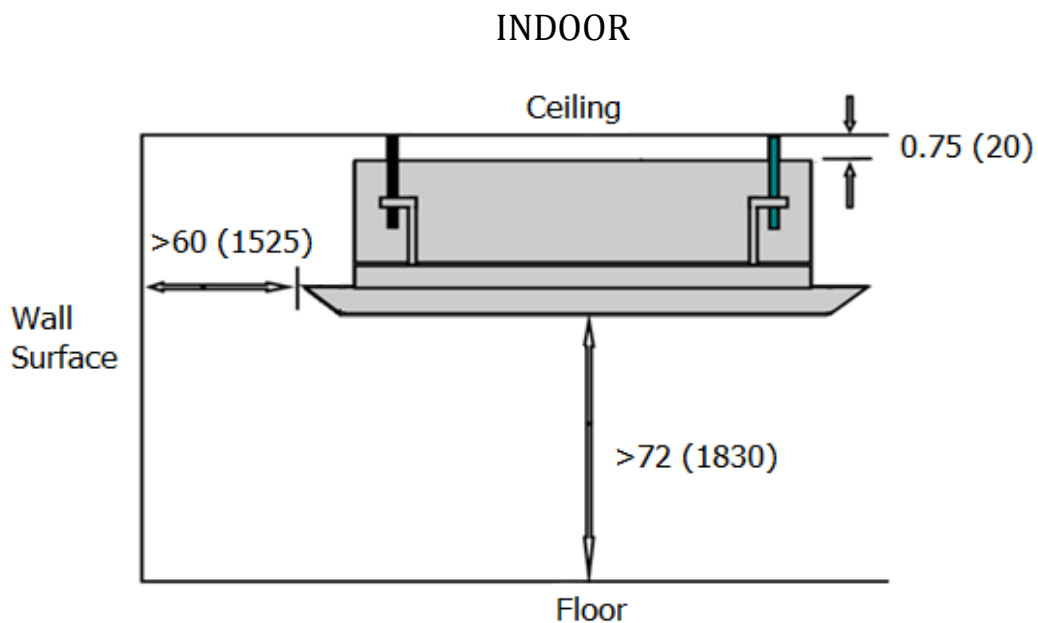


HEATING PERFORMANCE

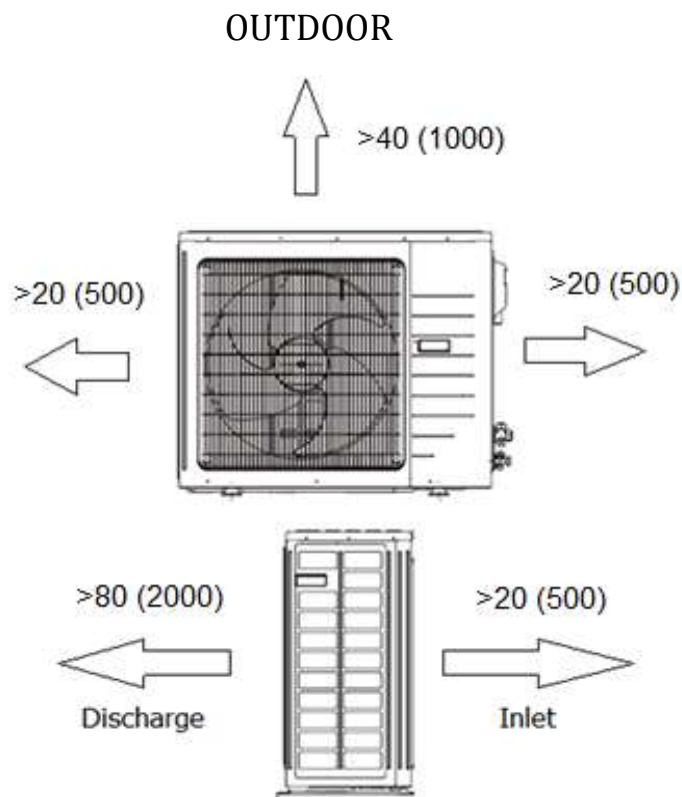


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Units: inch (mm)

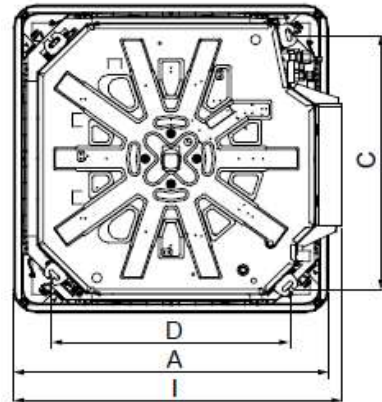
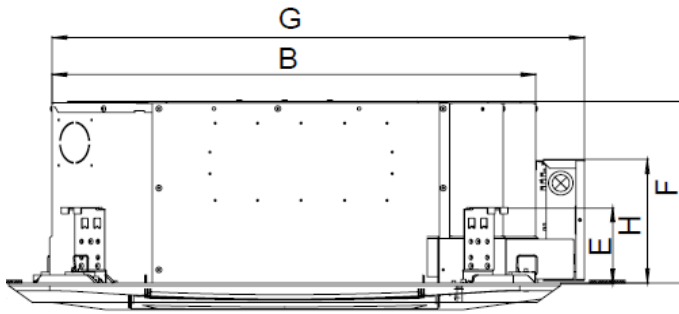


DIMENSIONAL SPECIFICATIONS

UMAT36HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



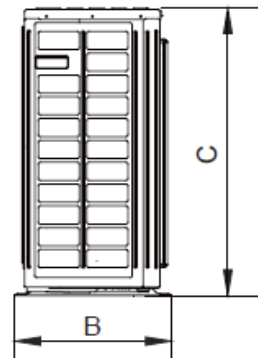
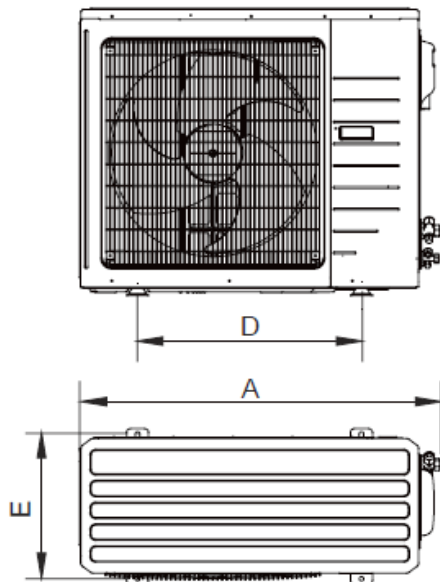
A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Net Weight	70.4 lbs
Shipping Weight	96.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	1-in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	43.625 (1107)
B	17.375 (440)
C	43.25 (1100)
D	24.875 (631)
E	15.75 (400)

Net Weight	204.6 lbs
Shipping Weight	222.2 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT42HP230V1AC

42,000 BTUH Ceiling Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation

Schedule No.

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Part# UMAT42GRILLE -Sold Separately)
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7631374

System Ratings

Cooling

Rated Capacity	39,500 BTU/H
Capacity Range	11,000-41,000 BTU/H
Power Input (Max)	4,650 W
SEER	16.0
EER	9.0

Heating at 47° F

Rated Capacity	44,000 BTU/H
Capacity Range	12,000-51,000 BTU/H
Power Input (Max)	4,800 W
HSPF	9.0
COP	2.9

Heating at 17° F

Rated Capacity	24,400 BTU/H
----------------	--------------

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	131.2 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/3HP
	FLA	0.9 A
Airflow		
Cooling	Wet (Lo/Hi)	730/1095 CFM
Heating	Dry (Lo/Hi)	730/1095 CFM
Air Throw (max)		16.4 ft
Sound Pressure Level		
Cooling (Min/Max)		43/51 db(A)
Heating (Min/Max)		43/51 db(A)
Dehumidification		1.75 pt/hr
Condensate Drain Lift (Height)		39 in
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	1.5A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	21.2 A
Refrigerant Type		R410A
Fan Motor	Output Power	2 x 1/6HP
	FLA	2 x 2.0 A
Sound Pressure		
	Cooling/Heating	61/61 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	31.0A
	MOCP/Breaker Size	50 A



SYSTEM FEATURES

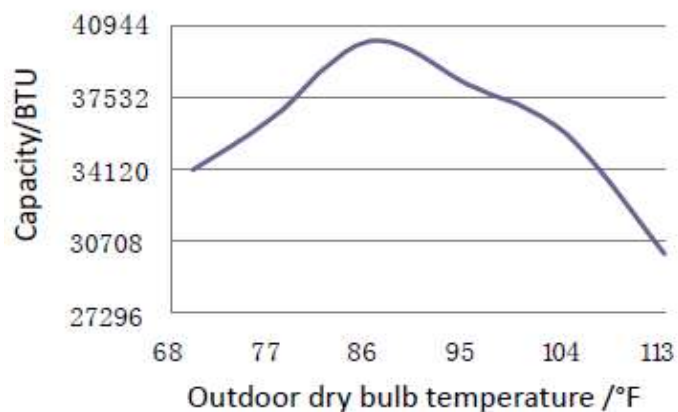
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

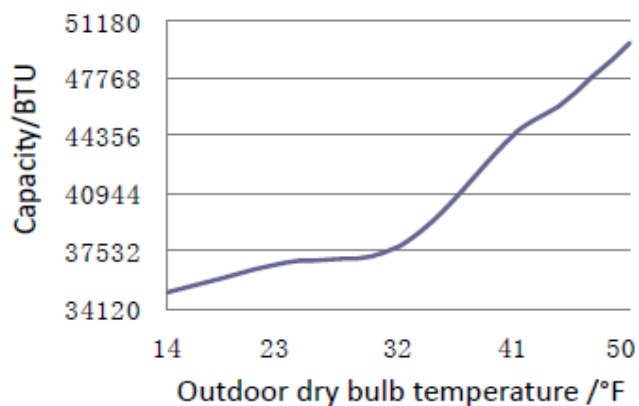
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE

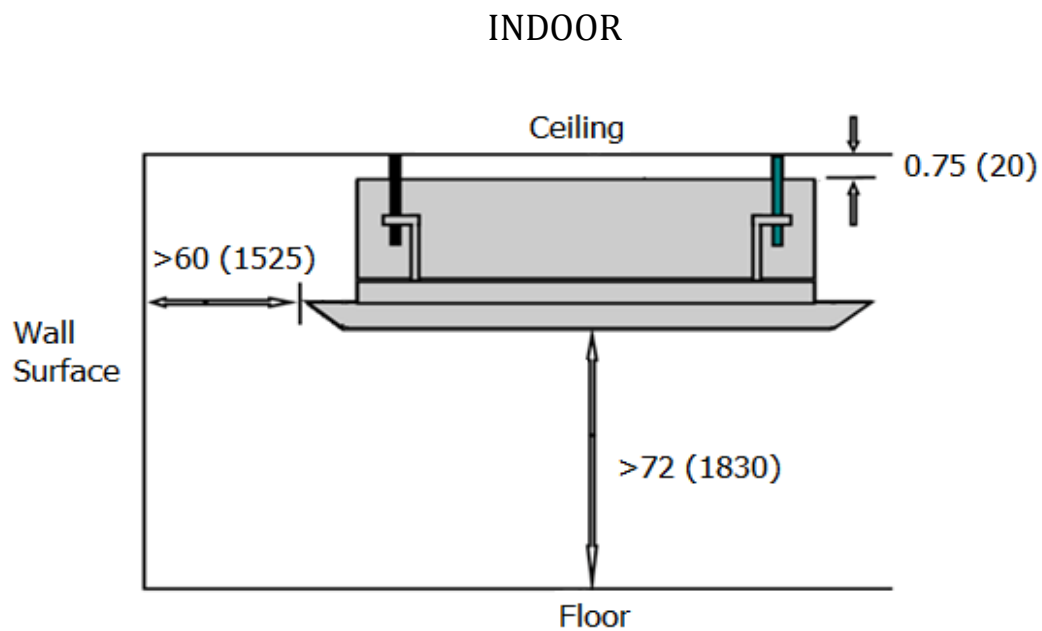


HEATING PERFORMANCE

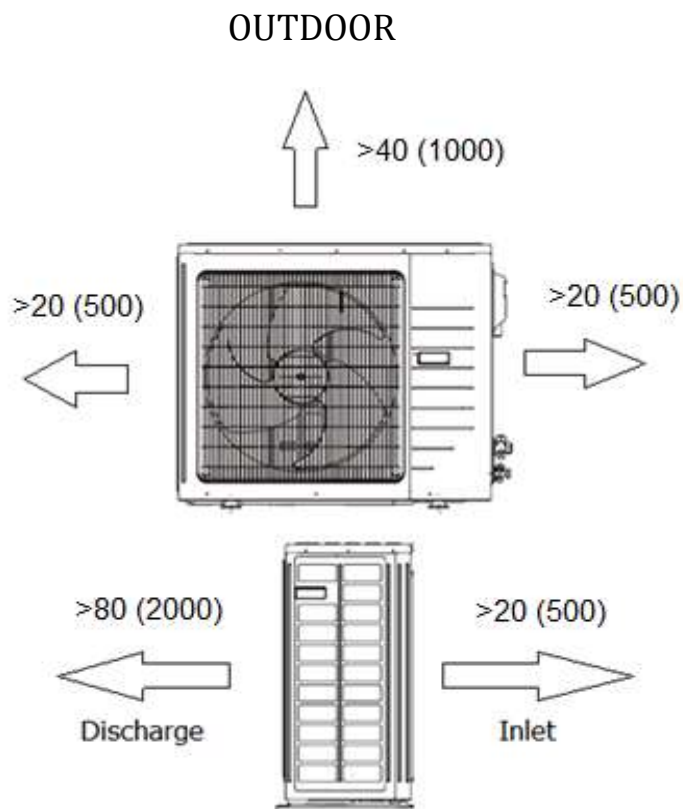


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Units: inch (mm)

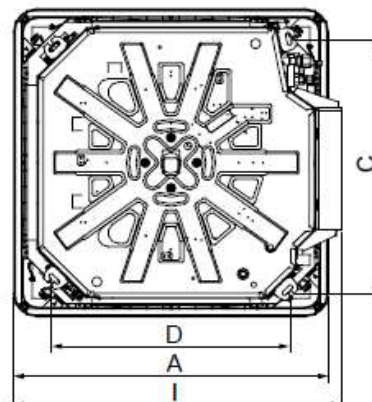


DIMENSIONAL SPECIFICATIONS

UMAT42HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



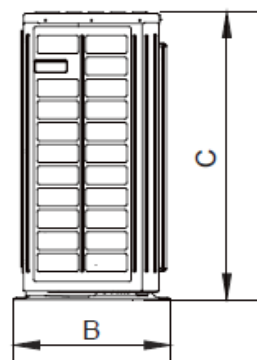
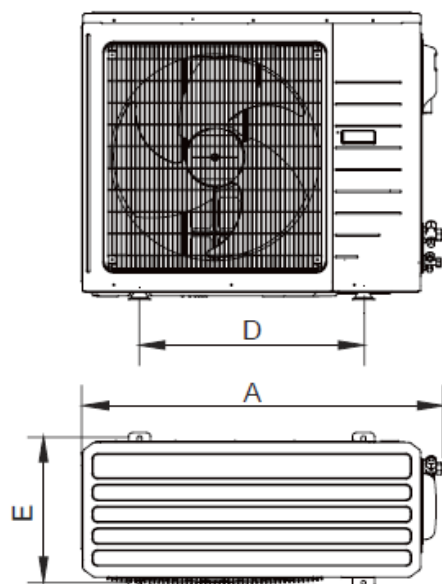
A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Net Weight	70.4 lbs
Shipping Weight	96.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	1-in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75 (958)
B	16.25 (412)
C	53.125 (1349)
D	22.5 (572)
E	14.75 (376)

Net Weight	209.0 lbs
Shipping Weight	232.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT48HP230V1AC

48,000 BTUH Ceiling Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation

Schedule No.

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote Controllers
- Power Failure Recovery
- Sentry Condensate Overflow Protection
- Decorative Grille (Part# UMAT48GRILLE -Sold Separately)
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7631501

System Ratings

Cooling

Rated Capacity	48,000 BTU/H
Capacity Range	20,400-50,500 BTU/H
Power Input (Max)	5,700 W
SEER	16.0
EER	8.7

Heating at 47° F

Rated Capacity	54,500 BTU/H
Capacity Range	17,500-61,500 BTU/H
Power Input (Max)	5,400 W
HSPF	9.0
COP	3.3

Heating at 17° F

Rated Capacity	27,600 BTU/H
----------------	--------------

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	140.8 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	230-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/7HP
	FLA	1.5 A
Airflow		
	Cooling Wet (Lo/Hi)	900/1350 CFM
	Heating Dry (Lo/Hi)	900/1350 CFM
Air Throw (max)		19.7 ft
Sound Pressure Level		
	Cooling (Min/Max)	41/53 db(A)
	Heating (Min/Max)	41/53 db(A)
Dehumidication		2.13 pt/hr
Condensate Drain Lift (Height)		39 in
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	Interconnecting Cable Wire Size	18-2 AWG
	MCA	2.0A
	MOCP/Breaker Size	15A

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	35.5 A
Refrigerant Type		R410A
Fan Motor	Output Power	2 x 1/6HP
	FLA	2 x 2.0 A
Sound Pressure		
	Cooling/Heating	59/59 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	45.0A
	MOCP/Breaker Size	70 A



SYSTEM FEATURES

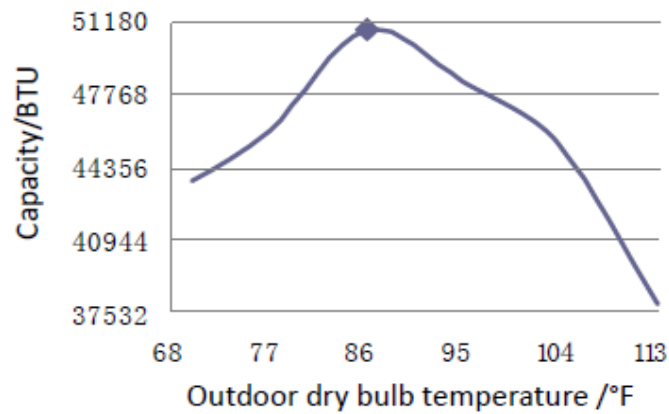
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

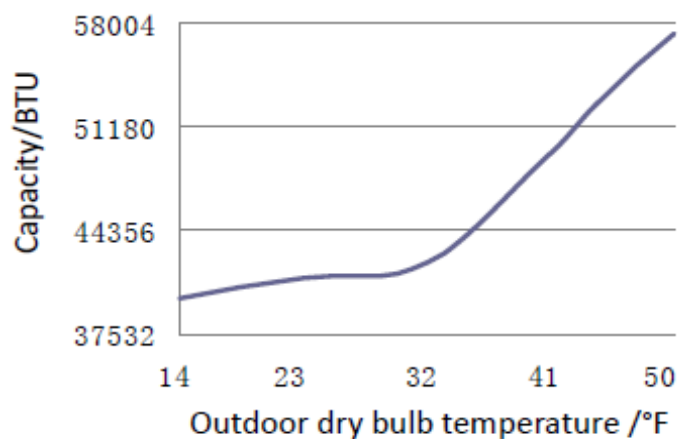
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE

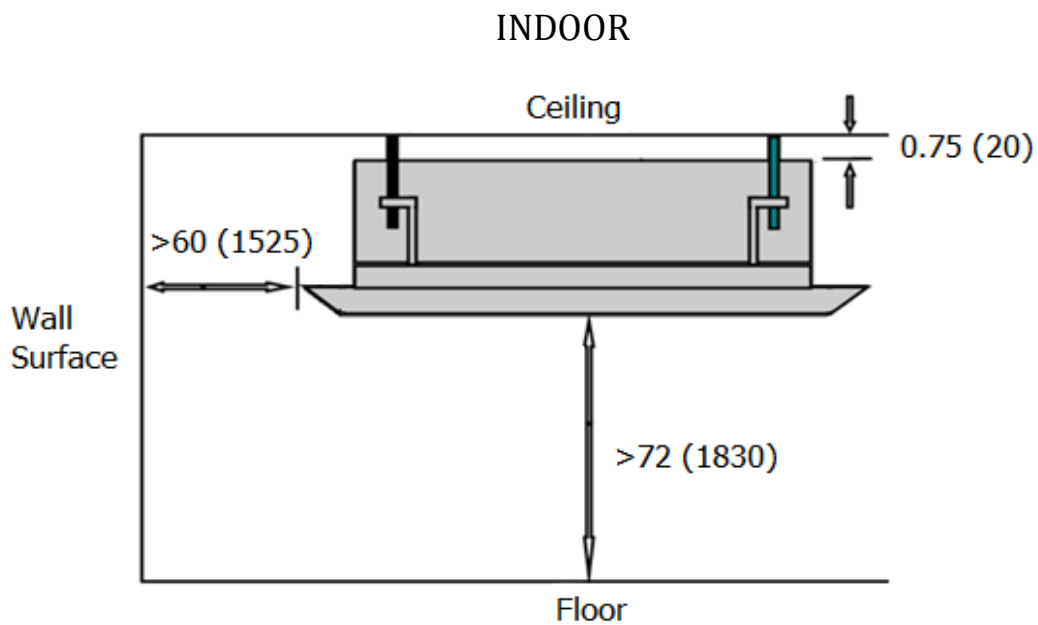


HEATING PERFORMANCE

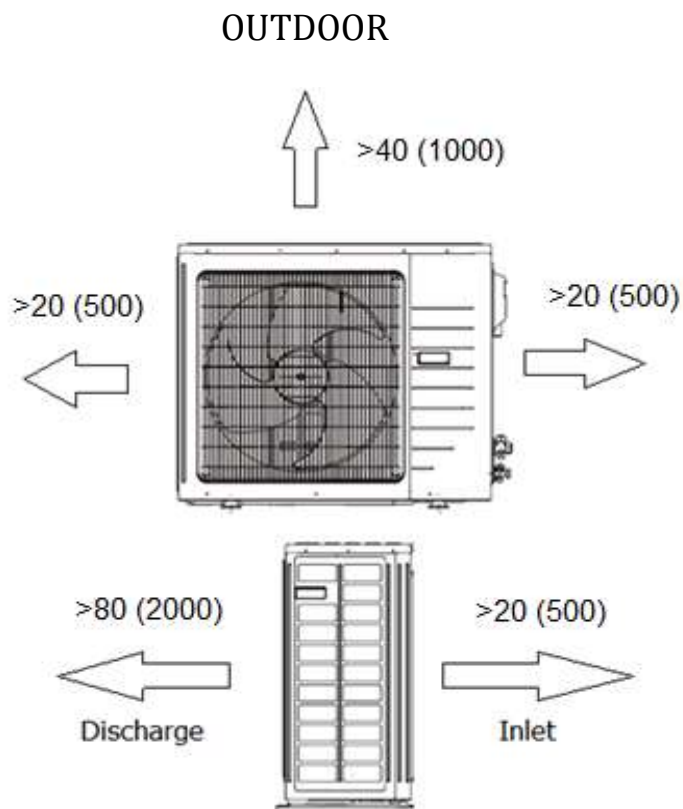


MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Units: inch (mm)

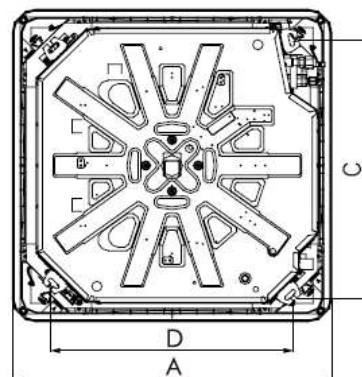
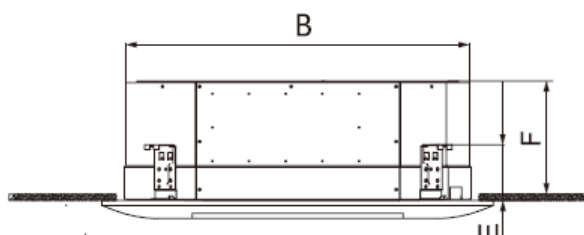


DIMENSIONAL SPECIFICATIONS

UMAT48HP230V1AC

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



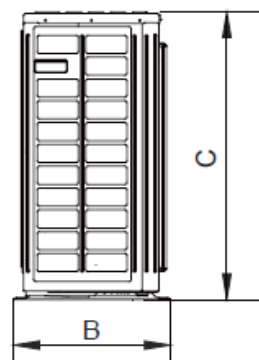
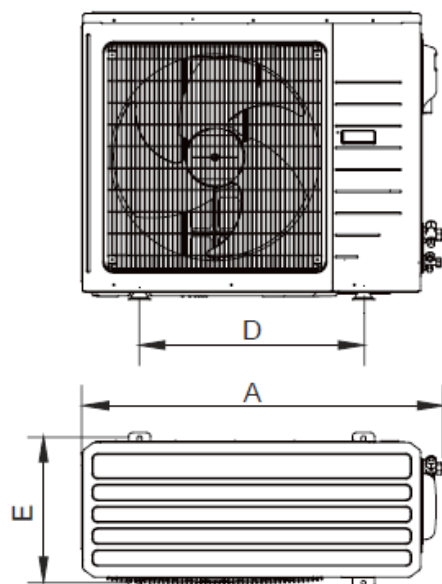
A	B	C	D	E	F
41.0	37.875	33.125	31.0	6.75	11.375
1040	910	842	788	170	290

Net Weight	94.6 lbs
Shipping Weight	110.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	1-in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75 (958)
B	16.25 (412)
C	53.125 (1349)
D	22.5 (572)
E	14.75 (376)

Net Weight	231.0 lbs
Shipping Weight	253.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Innovative Ductless Mini Split Solution

Submittal Data: UMAT18HP230V1AF

18,000 BTUH Floor/Ceiling Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation

Schedule No.

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Swing Louvers
- Wireless Remote Controllers
- Power Failure Recovery
- Wall or Ceiling Mount
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7630636

System Ratings

Cooling

Rated Capacity	17,100 BTU/H
Capacity Range	5,400-19,800 BTU/H
Power Input (Max)	1,750 W
SEER	17.0
EER	11.0

Heating at 47° F

Rated Capacity	19,100 BTU/H
Capacity Range	4,700-23,200 BTU/H
Power Input (Max)	1,900 W
HSPF	9.5
COP	3.6

Heating at 17° F

Rated Capacity	10,900 BTU/H
----------------	--------------

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	1/2-in
Liquid Pipe Size (OD)	1/4-in
Connection Method	Flared
Factory Charge	49.6 oz
Additional Charge	0.3 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	0.6 A
Airflow		
Cooling	Wet (Lo/Hi)	431/585 CFM
Heating	Dry (Lo/Hi)	431/585 CFM
Sound Pressure Level		
Cooling	(Min/Max)	32/42 db(A)
Heating	(Min/Max)	32/42 db(A)
Dehumidication		0.76 pt/hr
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	1.0A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor	DC Inverter Driven Rotary
RLA	12.0 A
Refrigerant Type	R410A
Fan Motor	Output Power
	1/6HP
FLA	1.5 A
Sound Pressure	
Cooling/Heating	56/56 db(A)
Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
MCA	17.0A
MOCP/Breaker Size	25 A



SYSTEM FEATURES

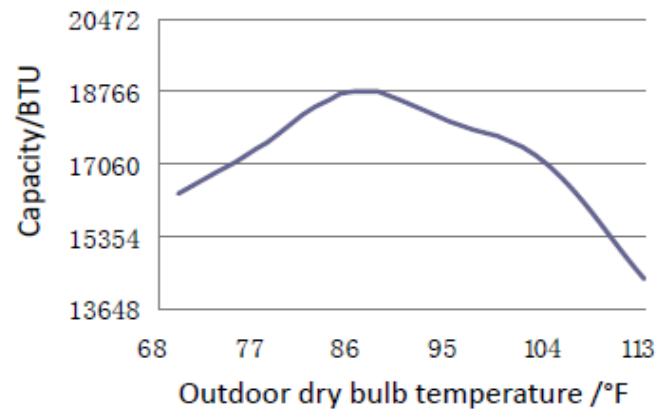
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

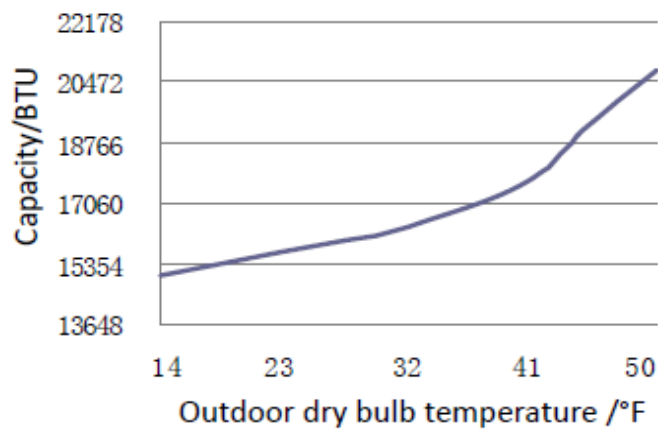
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE



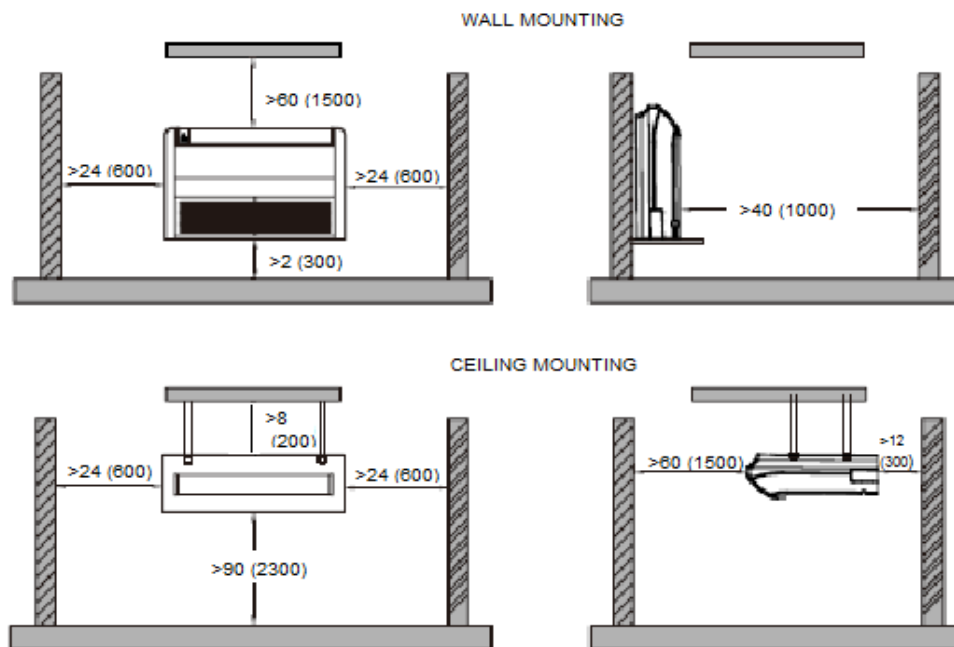
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

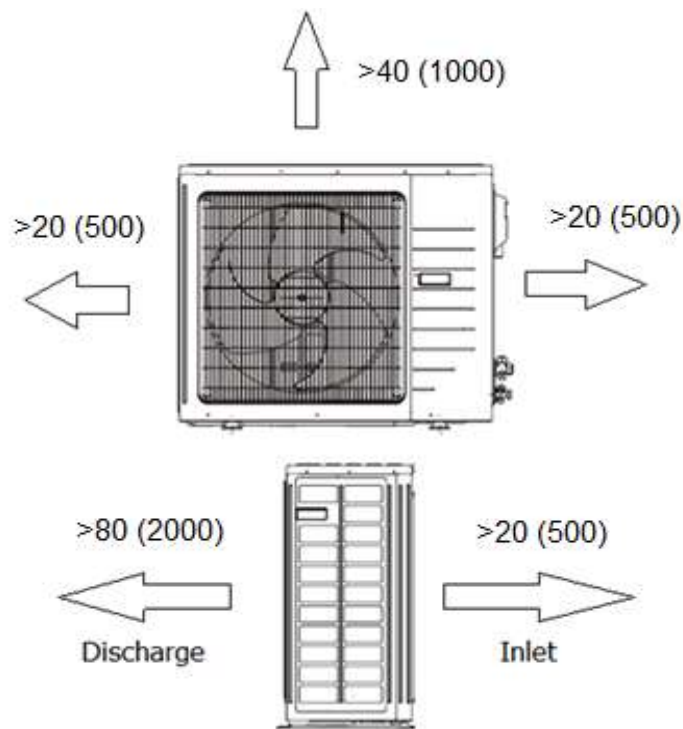
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

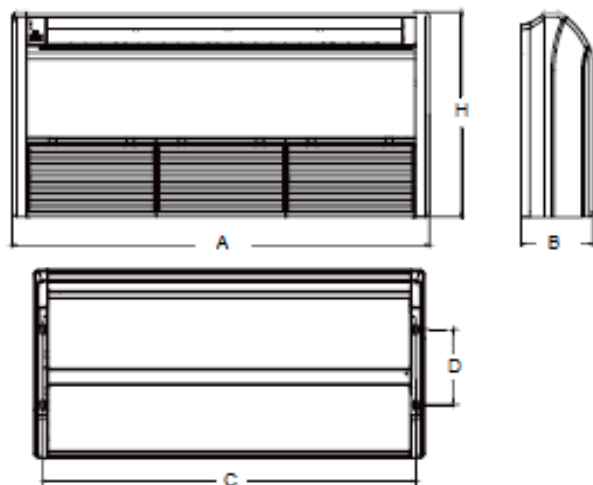


DIMENSIONAL SPECIFICATIONS

UMAT18HP230V1AF

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



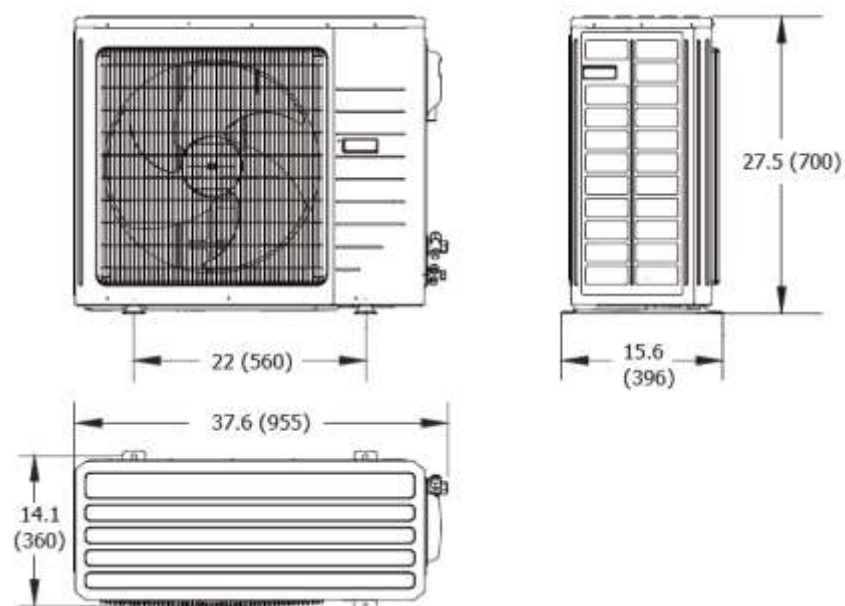
A	48	(1220)
B	8.875	(225)
C	45.625	(1158)
D	11	(280)
H	27.5	(700)

Net Weight	85.8 lbs
Shipping Weight	105.8 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	11/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



Net Weight	105.6 lbs
Shipping Weight	114.4 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



24,000 BTUH Floor/Ceiling Heat Pump System

Job Name		Location		Date	
Purchaser		Engineer			
Submitted To		For	☐ Reference	☐ Approval	☐ Construction
Unit Designation		Schedule No.			
GENERAL FEATURES -Multi-Speed Fan -4-way Discharge Air -Swing Louvers -Wireless Remote Controllers -Power Failure Recovery -Wall or Ceiling Mount -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty		AHRI Certified Ref No: 7630982			
System Ratings		Indoor Unit Data			
Cooling Rated Capacity 23,800 BTU/H Capacity Range 8,200-27,800 BTU/H Power Input (Max) 2,500 W SEER 16.0 EER 10.7 Heating at 47° F Rated Capacity 27,200 BTU/H Capacity Range 8,200-30,600 BTU/H Power Input (Max) 2,750 W HSPF 10.0 COP 3.4 Heating at 17° F Rated Capacity 15,700 BTU/H Operating Range Cooling (Max) 118°F (48 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) 0°F (-18 C) Refrigerant Piping Data Gas Pipe Size (OD) 5/8-in Liquid Pipe Size (OD) 3/8-in Connection Method Flared Factory Charge 78.4 oz Additional Charge 0.6 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 164-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 49-ft		Fan Motor Output Power 1/5HP FLA 0.6 A Airflow Cooling Wet (Lo/Hi) 490/705 CFM Heating Dry (Lo/Hi) 490/705 CFM Sound Pressure Level Cooling (Min/Max) 40/48 db(A) Heating (Min/Max) 40/48 db(A) Dehumidication 0.99 pt/hr Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Interconnecting Cable Wire Size 18-2 AWG MCA 1.0A MOCP/Breaker Size 15A			
		Outdoor Unit Data			
		Compressor DC Inverter Driven Rotary RLA 18.0 A Refrigerant Type R410A Fan Motor Output Power 1/6HP FLA 1.5 A Sound Pressure Cooling/Heating 57/57 db(A) Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 24.0A MOCP/Breaker Size 40 A			
1 YEAR WARRANTY INVERTER R410A AHRI CERTIFIED™ www.aahri.com ETL					

SYSTEM FEATURES

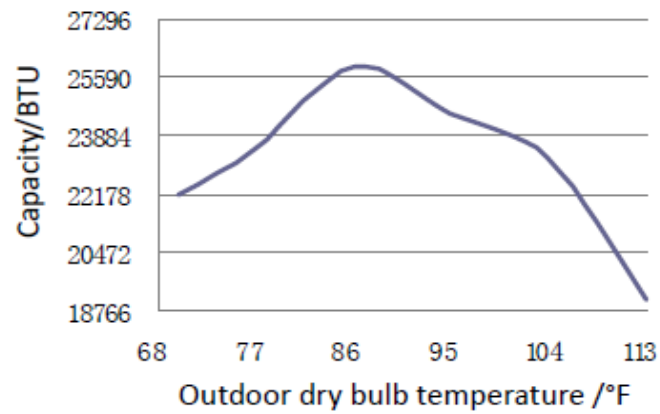
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

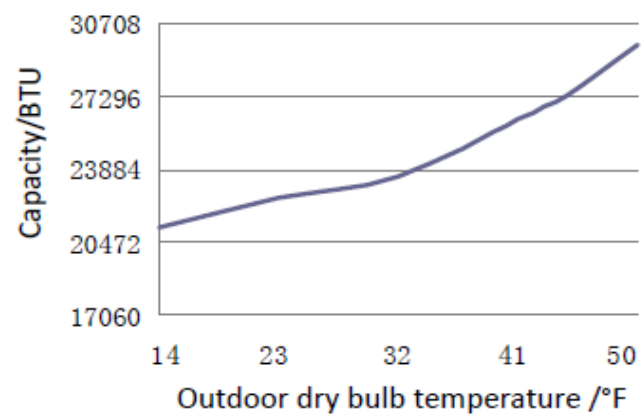
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE

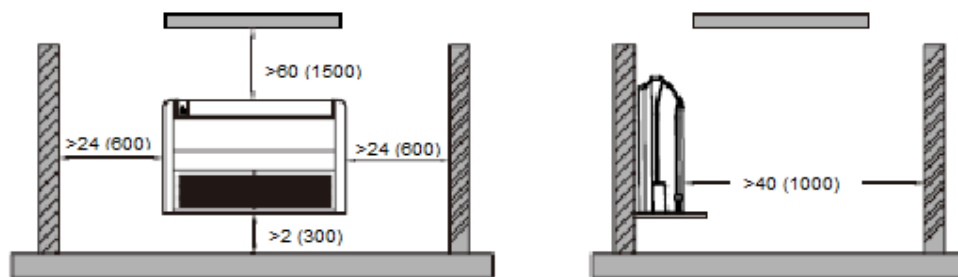


MINIMUM SPACING REQUIREMENTS

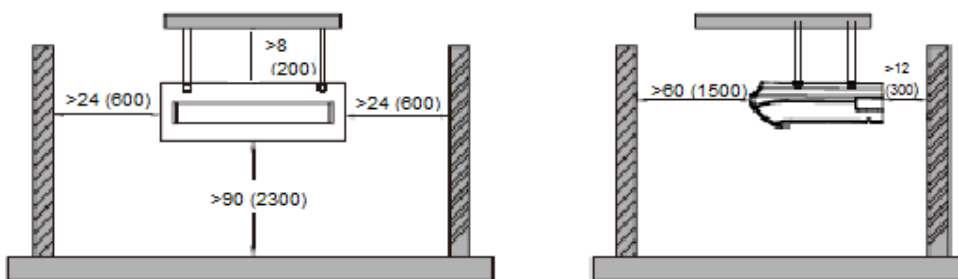
Units: inch (mm)

INDOOR

WALL MOUNTING

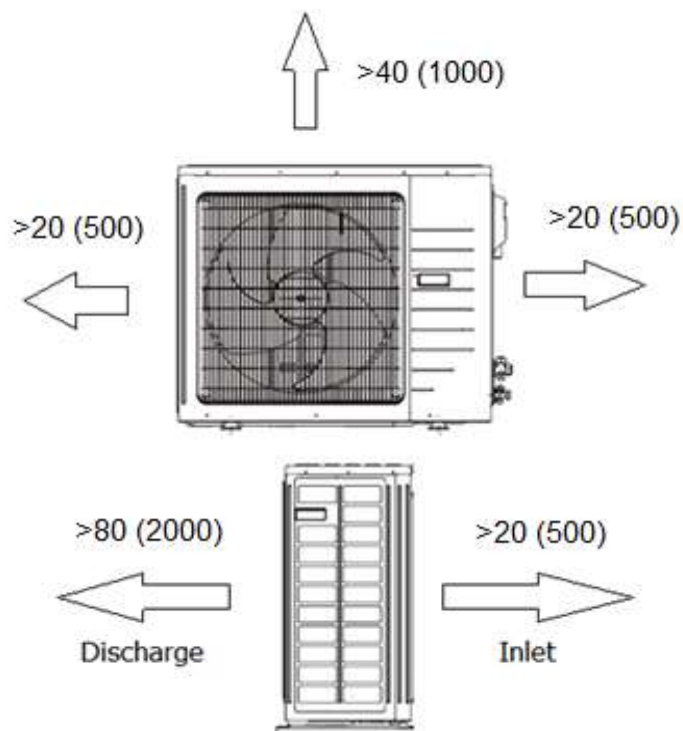


CEILING MOUNTING



Units: inch (mm)

OUTDOOR

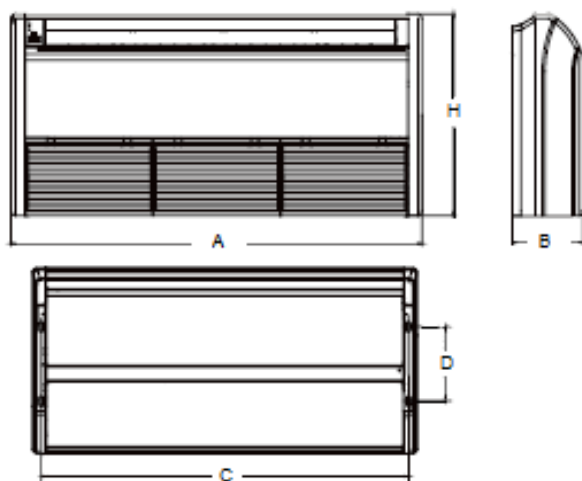


DIMENSIONAL SPECIFICATIONS

UMAT24HP230V1AF

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



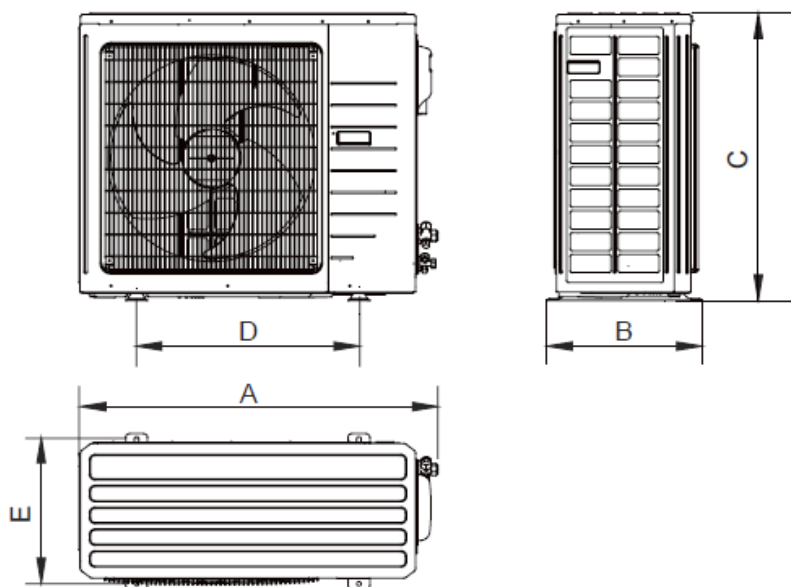
A	48	(1220)
B	8.875	(225)
C	45.625	(1158)
D	11	(280)
H	27.5	(700)

Net Weight	88.0 lbs
Shipping Weight	110.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	11/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625 (980)
B	16.75 (427)
C	31.125 (790)
D	24.0 (610)
E	15.5 (395)

Net Weight	151.8 lbs
Shipping Weight	162.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT30HP230V1AF

30,000 BTUH Floor/Ceiling Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Swing Louvers
- Wireless Remote Controllers
- Power Failure Recovery
- Wall or Ceiling Mount
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7630985

System Ratings

Cooling

Rated Capacity	28,200 BTU/H
Capacity Range	8,800-31,400 BTU/H
Power Input (Max)	3,700 W
SEER	17.0
EER	10.4

Heating at 47° F

Rated Capacity	31,200 BTU/H
Capacity Range	8,200-33,600 BTU/H
Power Input (Max)	3,500 W
HSPF	9.0
COP	3.5

Heating at 17° F

Rated Capacity	18,000 BTU/H
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Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	84.8 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	1.4 A
Airflow		
Cooling	Wet (Lo/Hi)	620/880 CFM
Heating	Dry (Lo/Hi)	620/880 CFM
Sound Pressure Level		
Cooling	(Min/Max)	38/46 db(A)
Heating	(Min/Max)	38/46 db(A)
Dehumidification		1.23 pt/hr
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	2.0A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor	DC Inverter Driven Rotary
RLA	18.0 A
Refrigerant Type	R410A
Fan Motor	Output Power
	1/6HP
FLA	1.5 A
Sound Pressure	
Cooling/Heating	58/58 db(A)
Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
MCA	24.0A
MOCP/Breaker Size	40 A



SYSTEM FEATURES

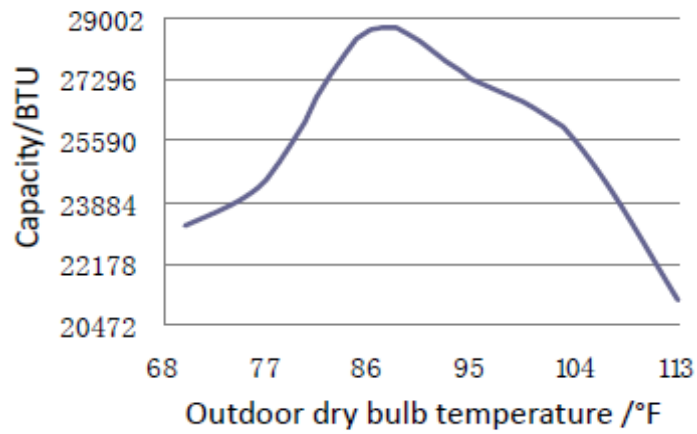
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

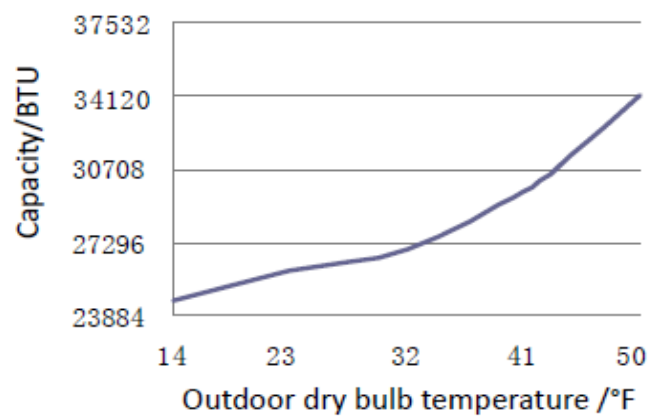
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE



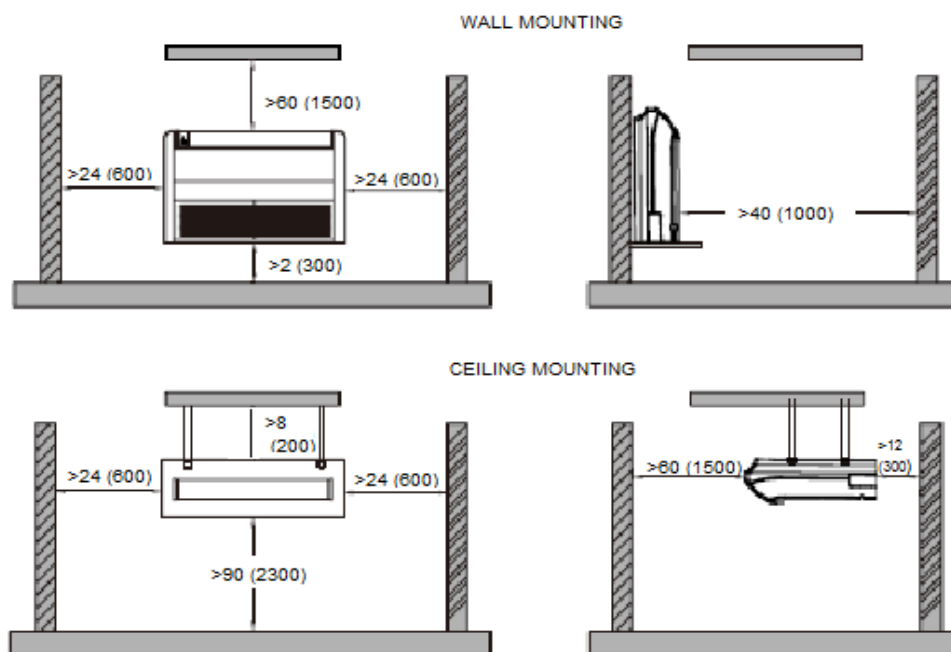
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

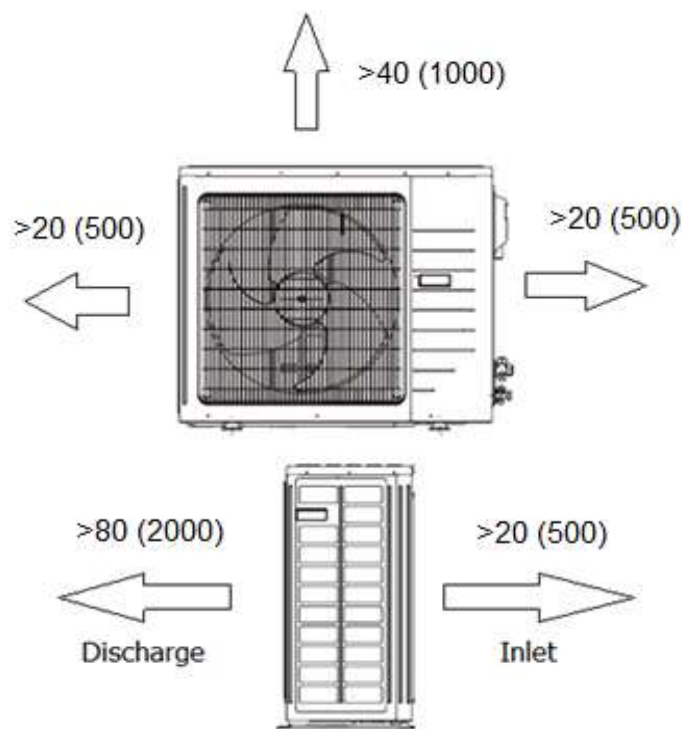
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

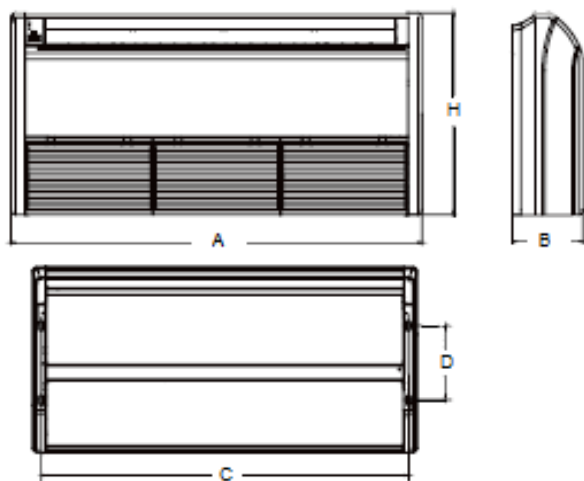


DIMENSIONAL SPECIFICATIONS

UMAT30HP230V1AF

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



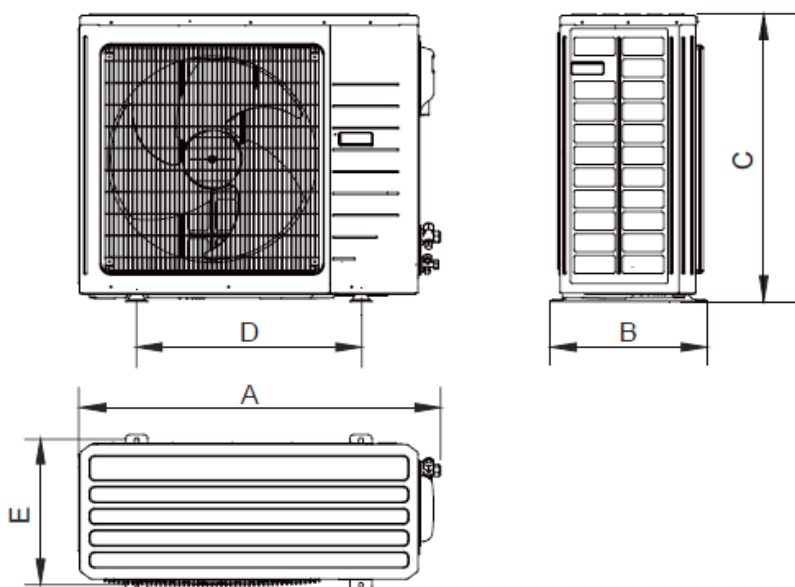
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

Net Weight	105.6 lbs
Shipping Weight	123.2 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	11/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625	(980)
B	16.75	(427)
C	31.125	(790)
D	24.0	(610)
E	15.5	(395)

Net Weight	158.4 lbs
Shipping Weight	169.4 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT36HP230V1AF

36,000 BTUH Floor/Ceiling Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES

- Multi-Speed Fan
- 4-way Discharge Air
- Swing Louvers
- Wireless Remote Controllers
- Power Failure Recovery
- Wall or Ceiling Mount
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7631138

System Ratings

Cooling

Rated Capacity	34,000 BTU/H
Capacity Range	10,800-39,000 BTU/H
Power Input (Max)	4,600 W
SEER	16.0
EER	10.4

Heating at 47° F

Rated Capacity	41,000 BTU/H
Capacity Range	9,800-49,500 BTU/H
Power Input (Max)	4,800 W
HSPF	9.0
COP	3.2

Heating at 17° F

Rated Capacity	23,400 BTU/H
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Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	123.2 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	1.4 A
Airflow		
Cooling	Wet (Lo/Hi)	800/1115 CFM
Heating	Dry (Lo/Hi)	800/1115 CFM
Sound Pressure Level		
Cooling (Min/Max)		46/53 db(A)
Heating (Min/Max)		46/53 db(A)
Dehumidification		1.51 pt/hr
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	2.0A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor	DC Inverter Driven Rotary
RLA	21.2 A
Refrigerant Type	R410A
Fan Motor	Output Power
	2/9HP
	FLA
	2.0 A
Sound Pressure	
Cooling/Heating	63/63 db(A)
Power Supply	
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Voltage Range	187 - 253 V
MCA	29.0A
MOCP/Breaker Size	45 A



SYSTEM FEATURES

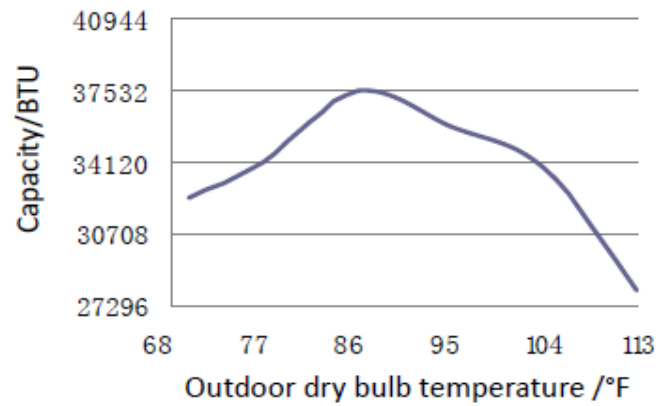
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

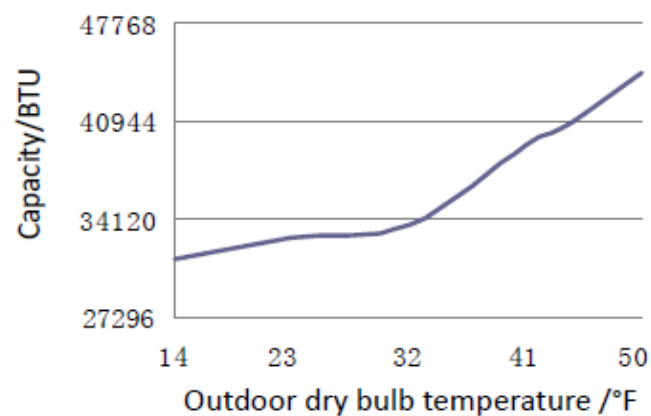
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE

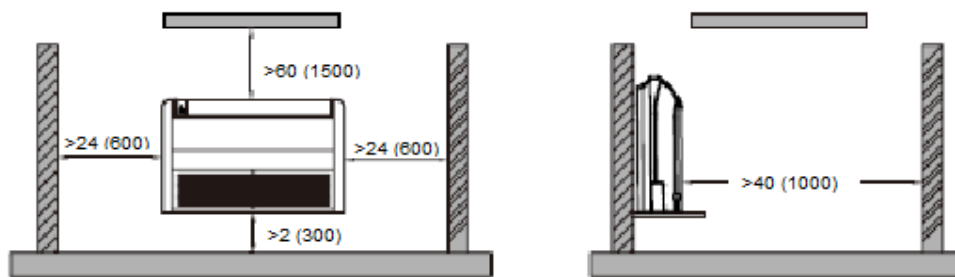


MINIMUM SPACING REQUIREMENTS

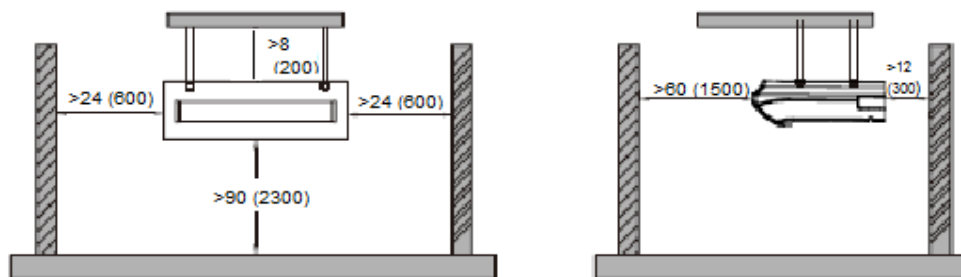
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INDOOR

WALL MOUNTING

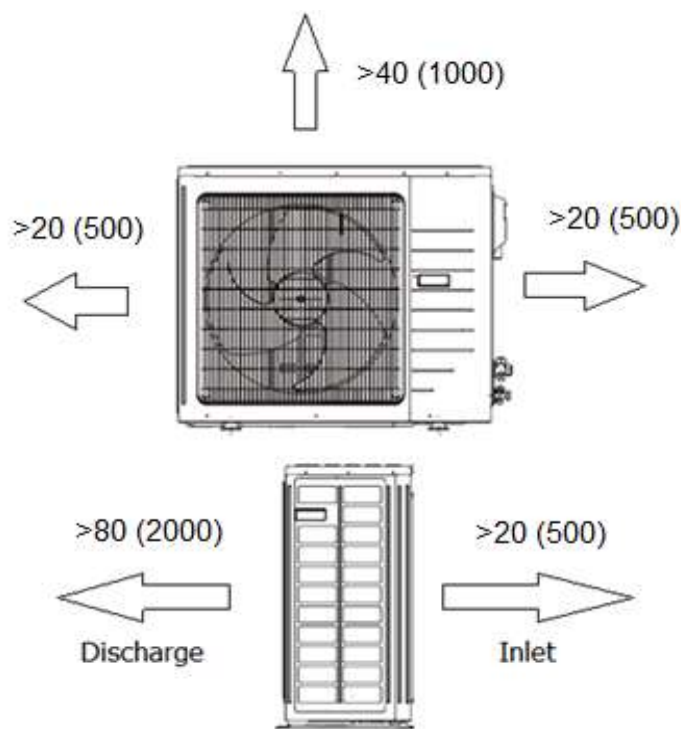


CEILING MOUNTING



OUTDOOR

Units: inch (mm)

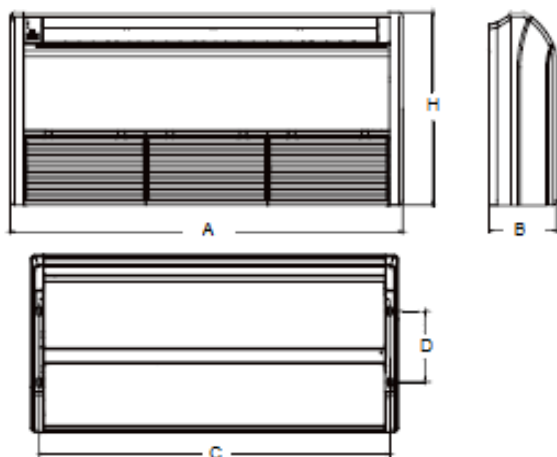


DIMENSIONAL SPECIFICATIONS

UMAT36HP230V1AF

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



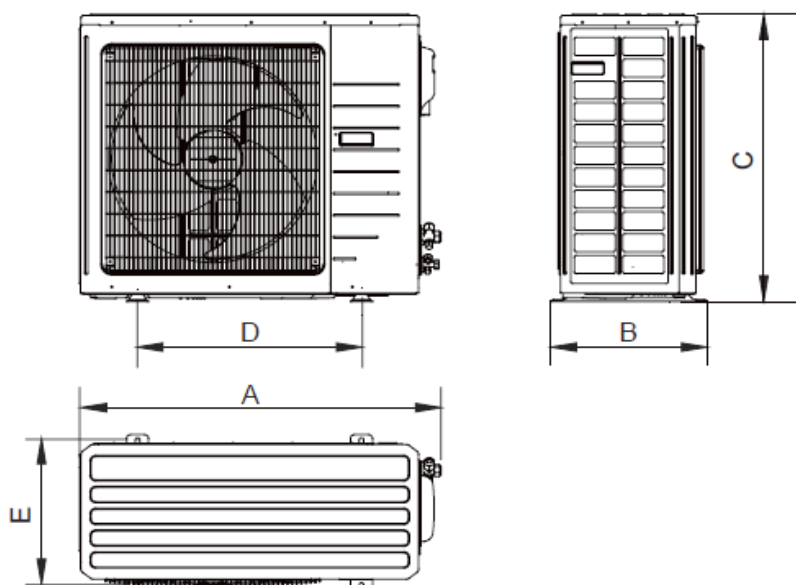
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

Net Weight	105.6 lbs
Shipping Weight	123.2 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	11/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	43.625	(1107)
B	17.375	(440)
C	43.25	(1100)
D	24.875	(631)
E	15.75	(400)

Net Weight	204.6 lbs
Shipping Weight	222.2 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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Innovative Ductless Mini Split Solution

Submittal Data: UMAT42HP230V1AF		42,000 BTUH Floor/Ceiling Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
For		☐ Reference ☐ Approval ☐ Construction	
Unit Designation		Schedule No.	
GENERAL FEATURES -Multi-Speed Fan -4-way Discharge Air -Swing Louvers -Wireless Remote Controllers -Power Failure Recovery -Wall or Ceiling Mount -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty		 AHRI Certified Ref No: 7631457	
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 39,500 BTU/H Capacity Range 12,000-42,500 BTU/H Power Input (Max) 4,700 W SEER 16.0 EER 9.8 Heating at 47° F Rated Capacity 44,000 BTU/H Capacity Range 13,000-52,500 BTU/H Power Input (Max) 4,800 W HSPF 9.0 COP 3.2 Heating at 17° F Rated Capacity 24,800 BTU/H Operating Range Cooling (Max) 118°F (48 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) 0°F (-18 C) Refrigerant Piping Data Gas Pipe Size (OD) 5/8-in Liquid Pipe Size (OD) 3/8-in Connection Method Flared Factory Charge 131.2 oz Additional Charge 0.6 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 164-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 49-ft		Fan Motor Output Power 1/5HP FLA 1.4A Airflow Cooling Wet (Lo/Hi) 767/1115 CFM Heating Dry (Lo/Hi) 767/1115 CFM Sound Pressure Level Cooling (Min/Max) 47/54 db(A) Heating (Min/Max) 47/54 db(A) Dehumidication 1.61 pt/hr Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Interconnecting Cable Wire Size 18-2 AWG MCA 2.0A MOCP/Breaker Size 15A	
		Outdoor Unit Data	
		Compressor DC Inverter Driven Rotary RLA 21.2 A Refrigerant Type R410A Fan Motor Output Power 2 x 1/6HP FLA 2 x 2.0 A Sound Pressure Cooling/Heating 61/61 db(A) Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 31.0A MOCP/Breaker Size 50 A	



SYSTEM FEATURES

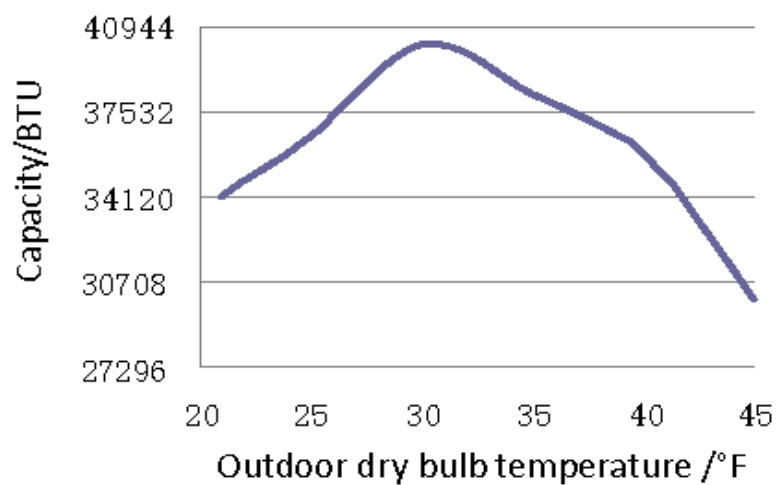
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

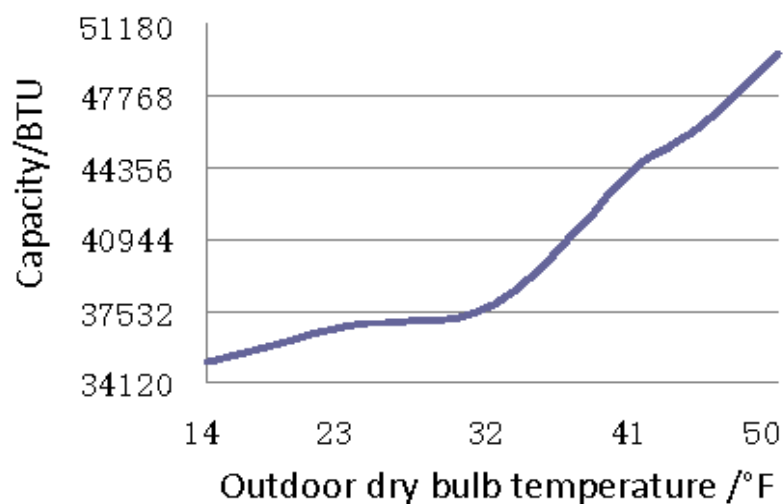
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE



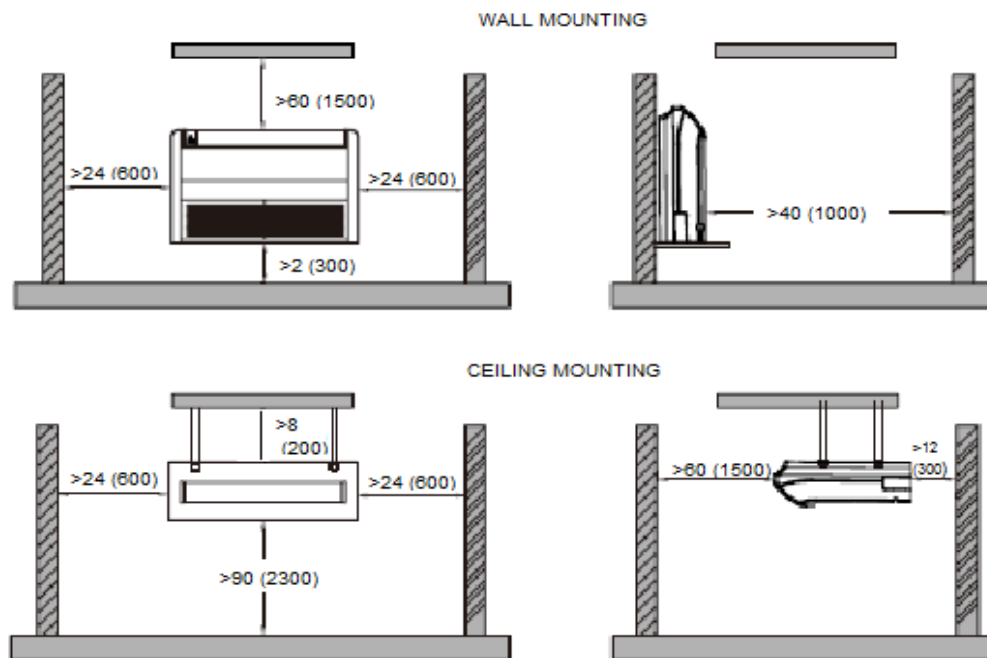
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

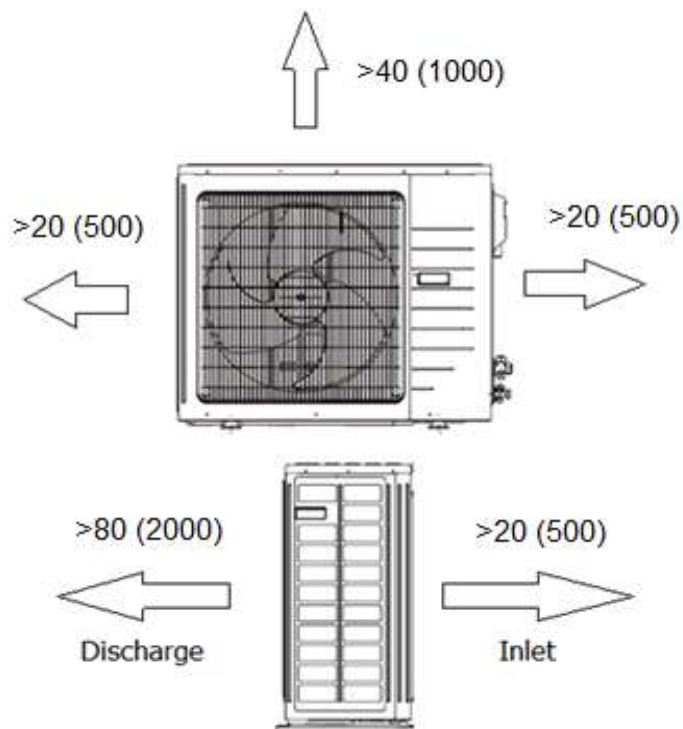
Units: inch (mm)

INDOOR



OUTDOOR

Units: inch (mm)

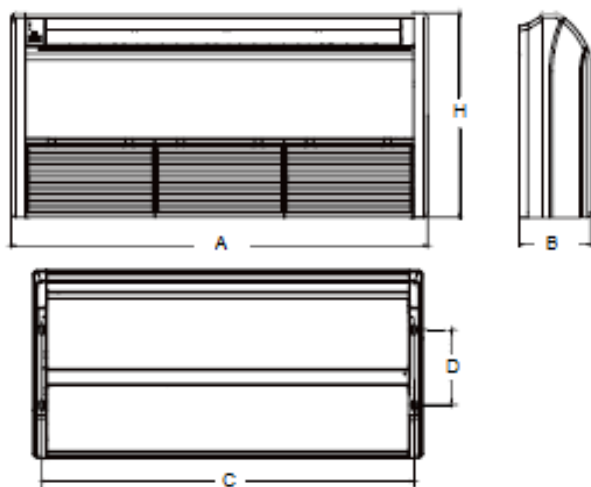


DIMENSIONAL SPECIFICATIONS

UMAT42HP230V1AF

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



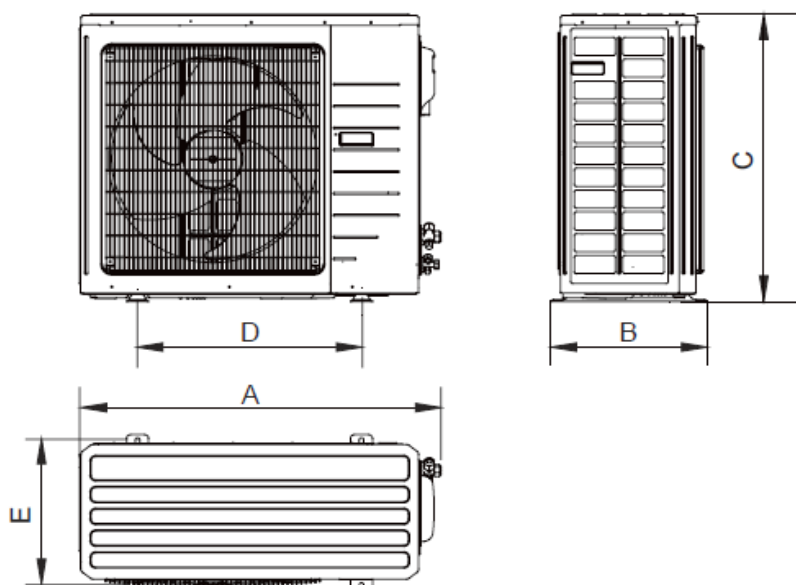
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

Net Weight	110.0 lbs
Shipping Weight	127.6 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	11/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75	(958)
B	16.25	(412)
C	53.125	(1349)
D	22.5	(572)
E	14.75	(376)

Net Weight	209.0 lbs
Shipping Weight	232.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT48HP230V1AF

48,000 BTUH Floor/Ceiling Heat Pump System

Job Name		Location		Date	
Purchaser		Engineer			
Submitted To		For		☐ Reference ☐ Approval ☐ Construction	
Unit Designation		Schedule No.			
GENERAL FEATURES -Multi-Speed Fan -4-way Discharge Air -Swing Louvers -Wireless Remote Controllers -Power Failure Recovery -Wall or Ceiling Mount -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty			 AHRI Certified Ref No: 7631654		
System Ratings			Indoor Unit Data		
Cooling Rated Capacity 48,000 BTU/H Capacity Range 20,400-50,500 BTU/H Power Input (Max) 5,500 W SEER 16.0 EER 8.7			Fan Motor Output Power 1/3HP FLA 2.1A		
Heating at 47° F Rated Capacity 54,500 BTU/H Capacity Range 17,500-61,500 BTU/H Power Input (Max) 5,400 W HSPF 9.0 COP 3.5			Airflow Cooling Wet (Lo/Hi) 935/1350 CFM Heating Dry (Lo/Hi) 935/1350 CFM		
Heating at 17° F Rated Capacity 28,600 BTU/H			Sound Pressure Level Cooling (Min/Max) 46/55 db(A) Heating (Min/Max) 46/55 db(A)		
Operating Range Cooling (Max) 118°F (48 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) 0°F (-18 C)			Dehumidification 1.99 pt/hr		
Refrigerant Piping Data Gas Pipe Size (OD) 5/8-in Liquid Pipe Size (OD) 3/8-in Connection Method Flared Factory Charge 140.8 oz Additional Charge 0.6 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 230-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 49-ft			Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Interconnecting Cable Wire Size 18-2 AWG MCA 3.0A MOCP/Breaker Size 15A		
			Outdoor Unit Data		
			Compressor DC Inverter Driven Rotary RLA 35.5 A		
			Refrigerant Type R410A		
			Fan Motor Output Power 2 x 1/6HP FLA 2 x 2.0 A		
			Sound Pressure Cooling/Heating 59/59 db(A)		
			Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 45.0A MOCP/Breaker Size 70 A		



SYSTEM FEATURES

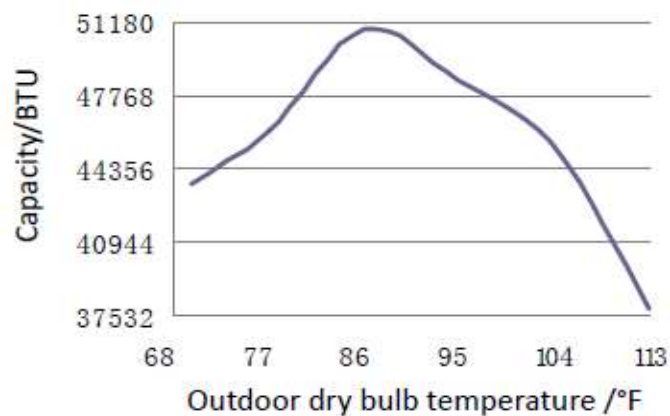
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

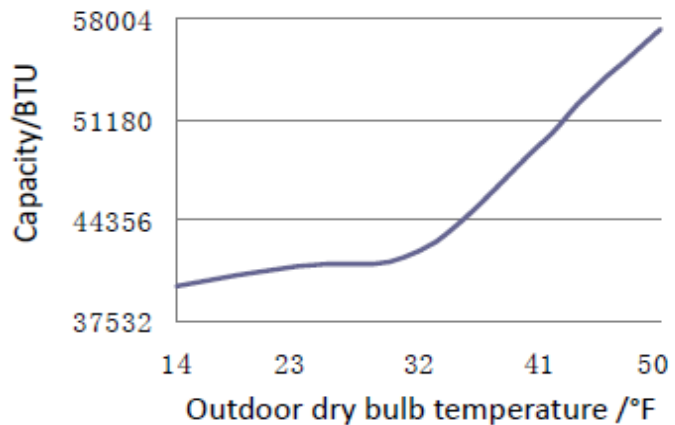
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE

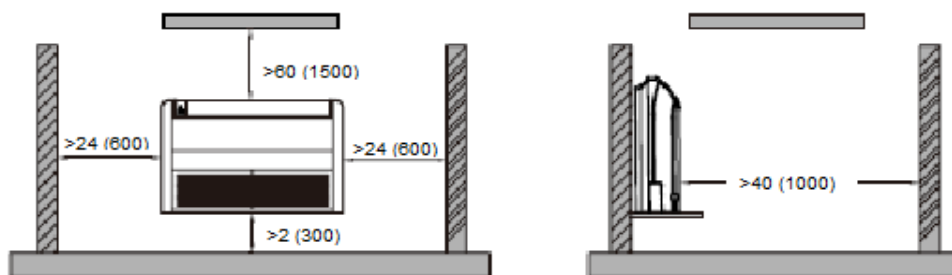


MINIMUM SPACING REQUIREMENTS

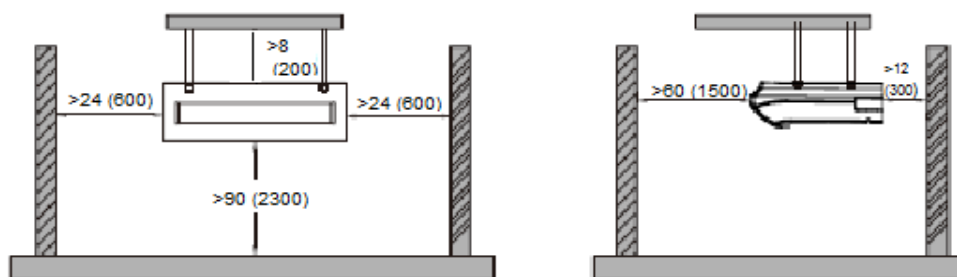
Units: inch (mm)

INDOOR

WALL MOUNTING

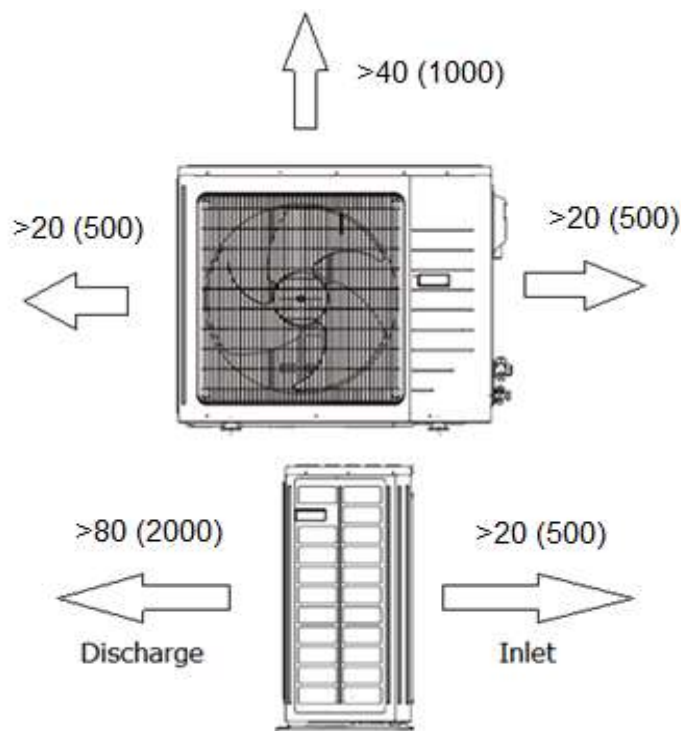


CEILING MOUNTING



Units: inch (mm)

OUTDOOR

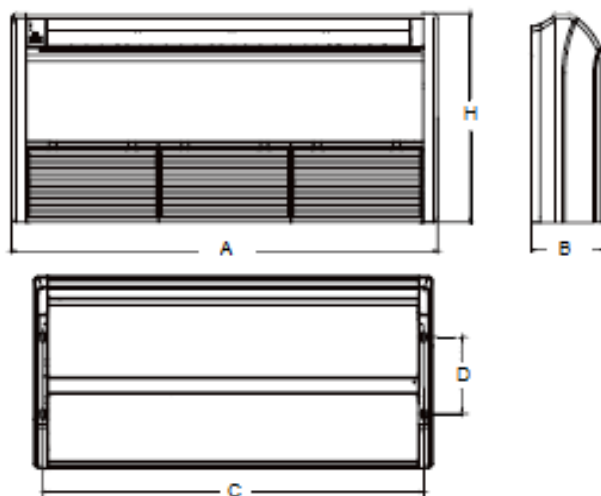


DIMENSIONAL SPECIFICATIONS

UMAT48HP230V1AF

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



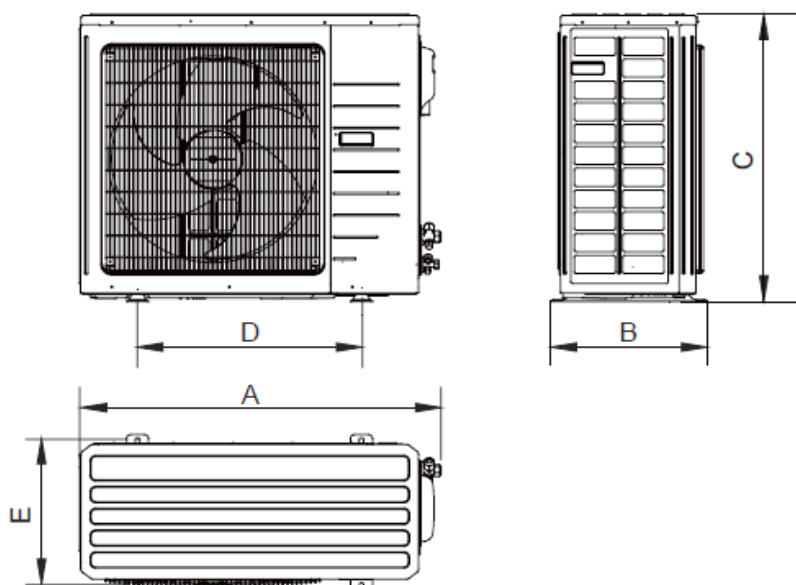
A	66.875	(1700)
B	9.625	(245)
C	64.375	(1634)
D	11	(280)
H	27.5	(700)

Net Weight	129.8 lbs
Shipping Weight	149.6 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	11/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75	(958)
B	16.25	(412)
C	53.125	(1349)
D	22.5	(572)
E	14.75	(376)

Net Weight	231.0 lbs
Shipping Weight	253.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT18HP230V1AD		18,000 BTUH Slim Duct Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
For		☐ Reference ☐ Approval ☐ Construction	
Unit Designation		Schedule No.	
GENERAL FEATURES -Multi-Speed Fan -Medium Static Pressure Capability -Flexible Return Air From Bottom Or Rear -Internal Condensate Drain Pump -Sentry Condensate Overflow Protection -XK-60 Wired Remote Controllers -Gold Fin Condenser Coating -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty		 AHRI Certified Ref No: 7630507	
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 17,100 BTU/H Capacity Range 5,400-19,800 BTU/H Power Input (Max) 1,750 W SEER 16.0 EER 11.0		Fan Motor Output Power 1/10HP FLA 0.6 A	
Heating at 47° F Rated Capacity 18,800 BTU/H Capacity Range 4,700-23,200 BTU/H Power Input (Max) 1,900 W HSPF 9.5 COP 3.3		Airflow Cooling Wet (Lo/Hi) 362/585 CFM Heating Dry (Lo/Hi) 362/585 CFM	
Heating at 17° F Rated Capacity 10,900 BTU/H		Sound Pressure Level Cooling (Min/Max) 28/39 db(A) Heating (Min/Max) 28/39 db(A)	
Operating Range Cooling (Max) 118°F (48 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) 0°F (-18 C)		Dehumidification 0.66 pt/hr Condensate Drain Lift (Height) 39-in	
Refrigerant Piping Data Gas Pipe Size (OD) 1/2-in Liquid Pipe Size (OD) 1/4-in Connection Method Flared Factory Charge 49.6 oz Additional Charge 0.3 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 164-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 49-ft		Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Interconnecting Cable Wire Size 18-2 AWG MCA 1.0A MOCP/Breaker Size 15A	
		Outdoor Unit Data	
		Compressor DC Inverter Driven Rotary RLA 12.0 A	
		Refrigerant Type R410A	
		Fan Motor Output Power 1/6HP FLA 1.5 A	
		Sound Pressure Cooling/Heating 56/56 db(A)	
		Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 17.0A MOCP/Breaker Size 25 A	



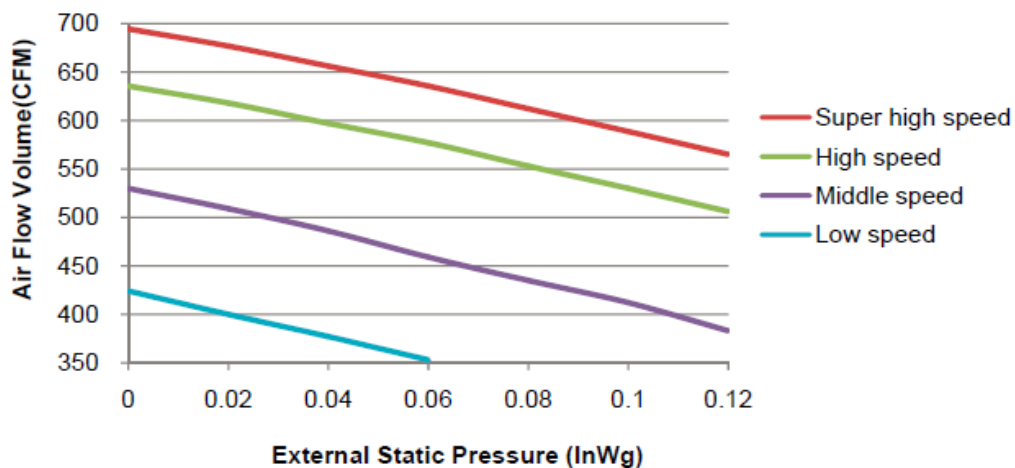
SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

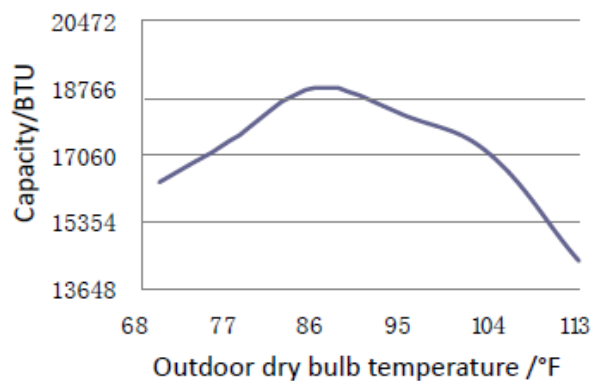
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

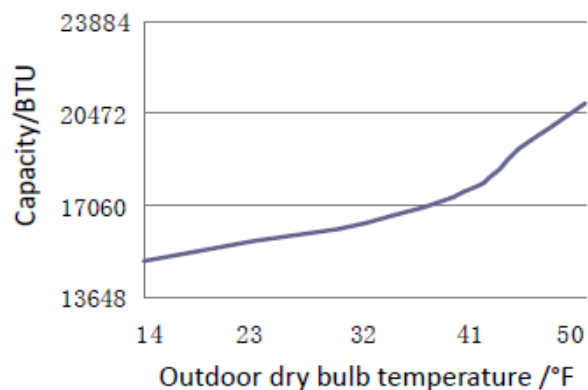


EXTENDED RATINGS

COOLING PERFORMANCE



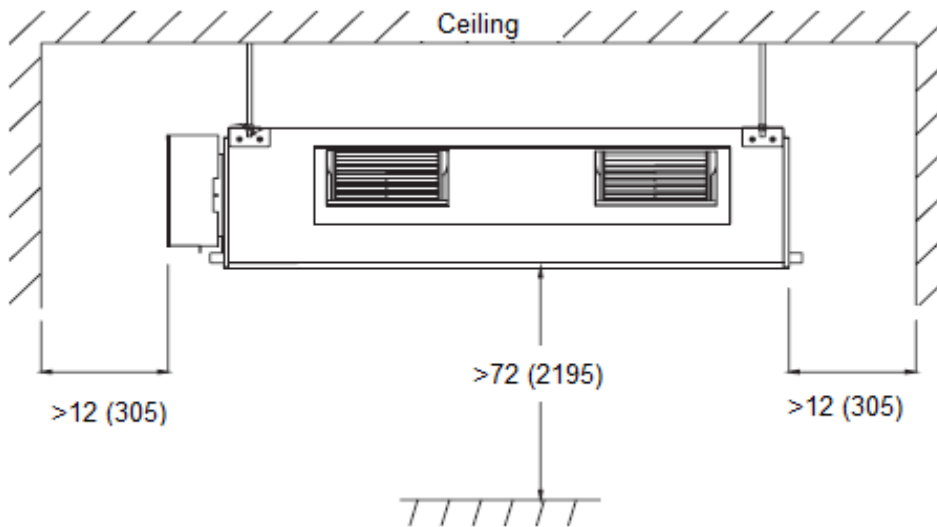
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

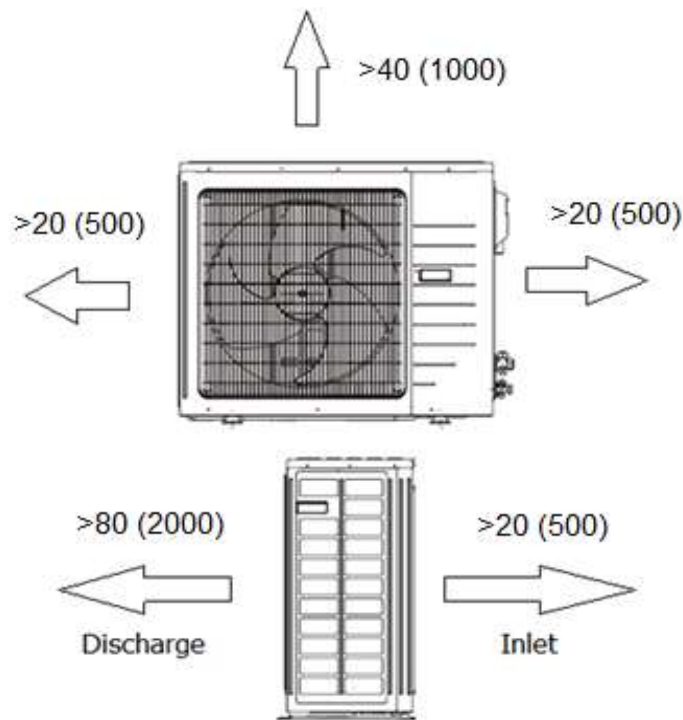
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

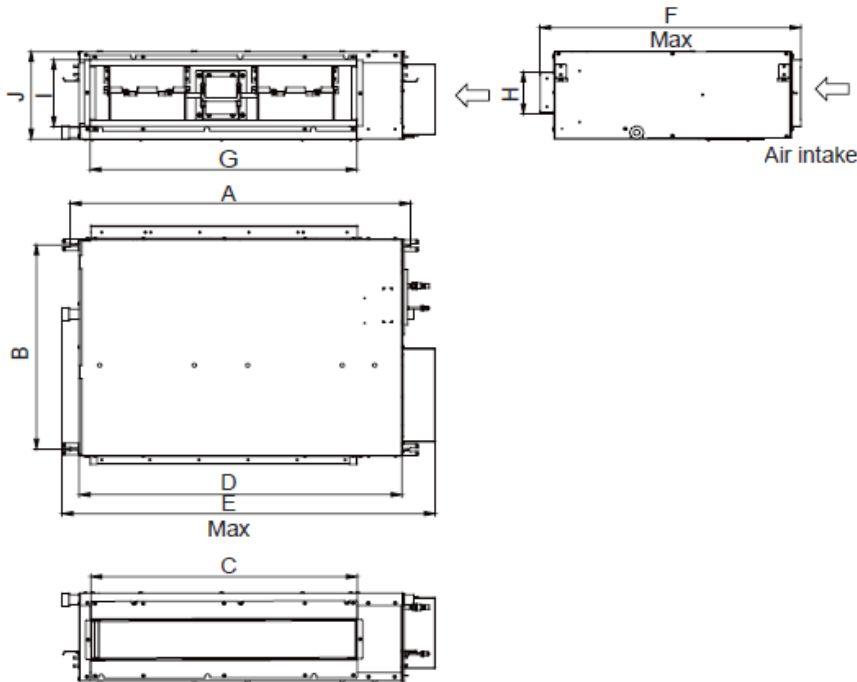


DIMENSIONAL SPECIFICATIONS

UMAT18HP230V1AD

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



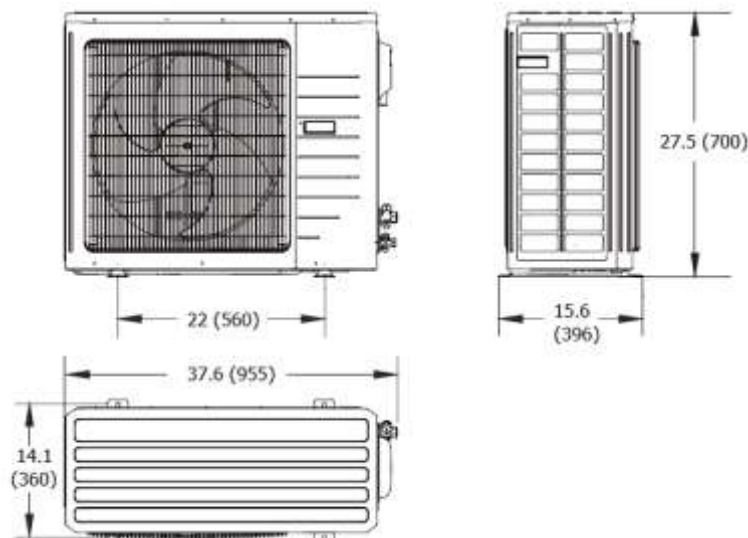
A	37.25	(945)
B	24.375	(618)
C	29.0	(738)
D	35.125	(892)
E	40.88	(1037)
F	28.375	(721)
G	29.0	(738)
H	4.875	(125)
I	8.0	(203)
J	10.5	(266)

Net Weight	72.6 lbs
Shipping Weight	83.6 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared
Drain Connector	1-3/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



Net Weight	105.6 lbs
Shipping Weight	114.4 lbs

Liquid Line Valve	1/4-in OD Flared
Gas Line Valve	1/2-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT24HP230V1AD		24,000 BTUH Slim Duct Heat Pump System	
Job Name		Location	
Purchaser		Date	
Submitted To		Engineer	
For		☐ Reference ☐ Approval ☐ Construction	
Unit Designation		Schedule No.	
GENERAL FEATURES -Multi-Speed Fan -Medium Static Pressure Capability -Flexible Return Air From Bottom Or Rear -Internal Condensate Drain Pump -Sentry Condensate Overflow Protection -XK-60 Wired Remote Controllers -Gold Fin Condenser Coating -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty		 AHRI Certified Ref No: 7630812	
System Ratings		Indoor Unit Data	
Cooling Rated Capacity 23,800 BTU/H Capacity Range 7,400-29,000 BTU/H Power Input (Max) 2,500 W SEER 16.0 EER 10.7		Fan Motor Output Power 1/5HP FLA 1.3 A	
Heating at 47° F Rated Capacity 27,200 BTU/H Capacity Range 8,200-32,400 BTU/H Power Input (Max) 2,750 W HSPF 10.0 COP 3.4		Airflow Cooling Wet (Lo/Hi) 570/820 CFM Heating Dry (Lo/Hi) 570/820 CFM	
Heating at 17° F Rated Capacity 16,700 BTU/H		Sound Pressure Level Cooling (Min/Max) 40/46 db(A) Heating (Min/Max) 40/46 db(A)	
Operating Range Cooling (Max) 118°F (48 C) (Min) 0°F (-18 C) Heating (Max) 75°F (24 C) (Min) 0°F (-18 C)		Dehumidification 0.9 pt/hr Condensate Drain Lift (Height) 39-in	
Refrigerant Piping Data Gas Pipe Size (OD) 5/8-in Liquid Pipe Size (OD) 3/8-in Connection Method Flared Factory Charge 78.4 oz Additional Charge 0.6 oz/ft Pre-Charge Length 25-ft MAX Refrigerant Pipe Length 164-ft MIN Refrigerant Pipe Length 10-ft MAX Refrigerant Pipe Elevation 49-ft		Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Interconnecting Cable Wire Size 18-2 AWG MCA 2.0A MOCP/Breaker Size 15A	
		Outdoor Unit Data	
		Compressor DC Inverter Driven Rotary RLA 18.0 A	
		Refrigerant Type R410A	
		Fan Motor Output Power 1/6HP FLA 1.5 A	
		Sound Pressure Cooling/Heating 57/57 db(A)	
		Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V MCA 24.0A MOCP/Breaker Size 40 A	



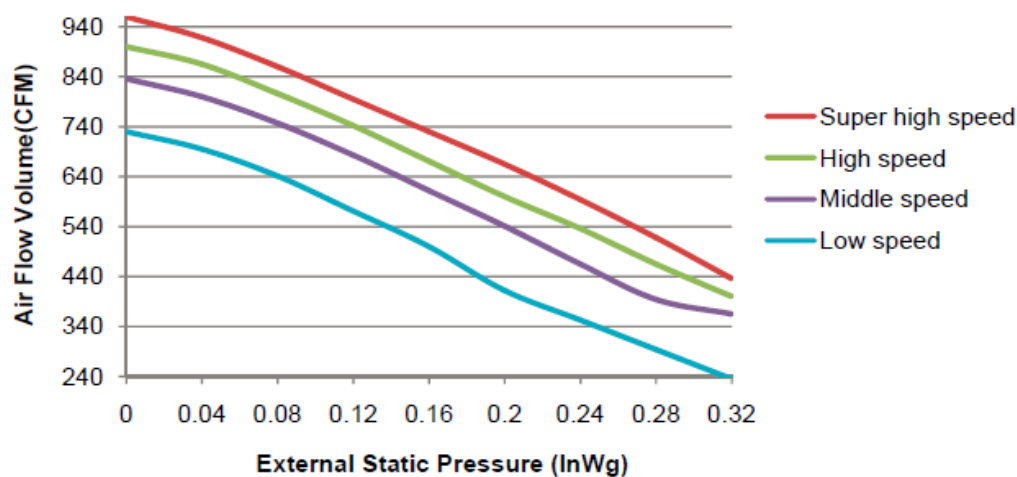
SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

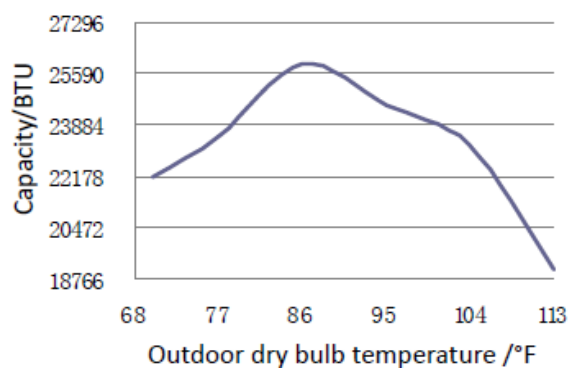
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

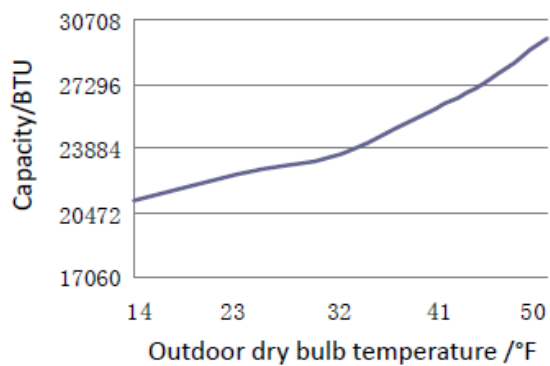


EXTENDED RATINGS

COOLING PERFORMANCE



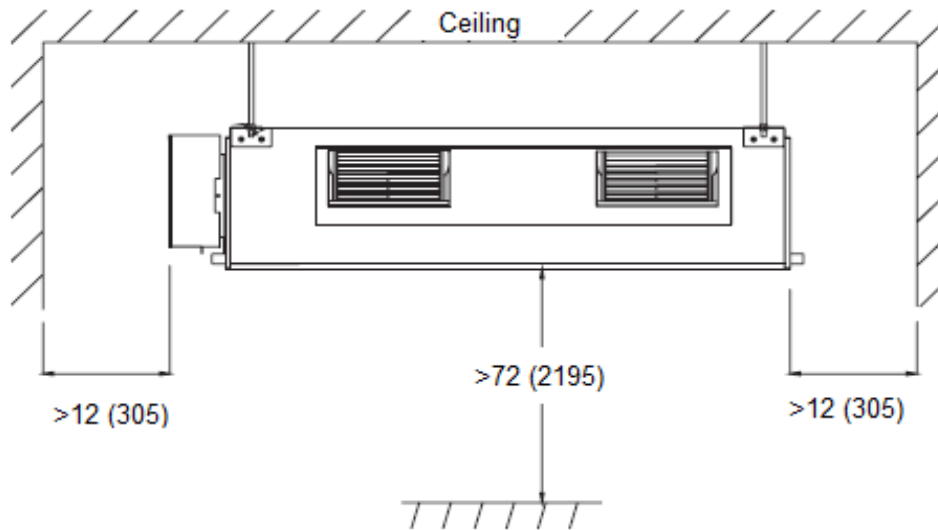
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

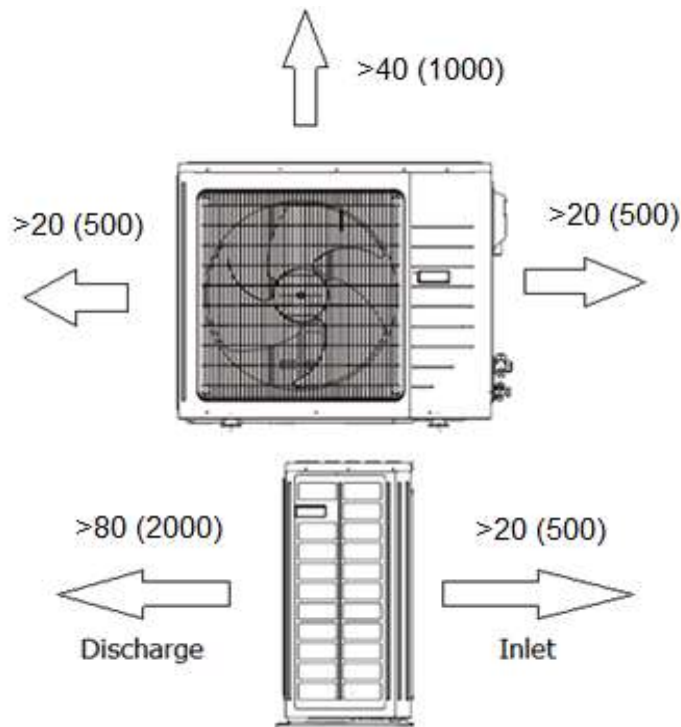
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

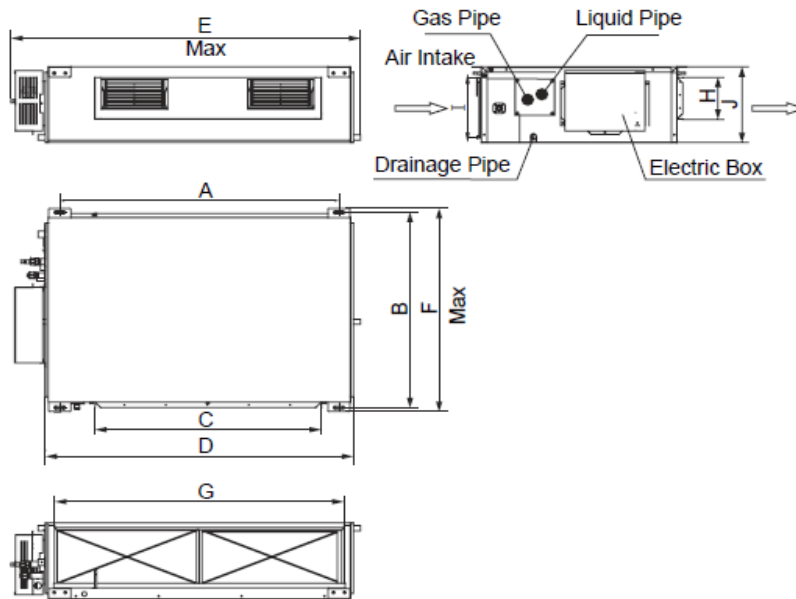


DIMENSIONAL SPECIFICATIONS

UMAT24HP230V1AD

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



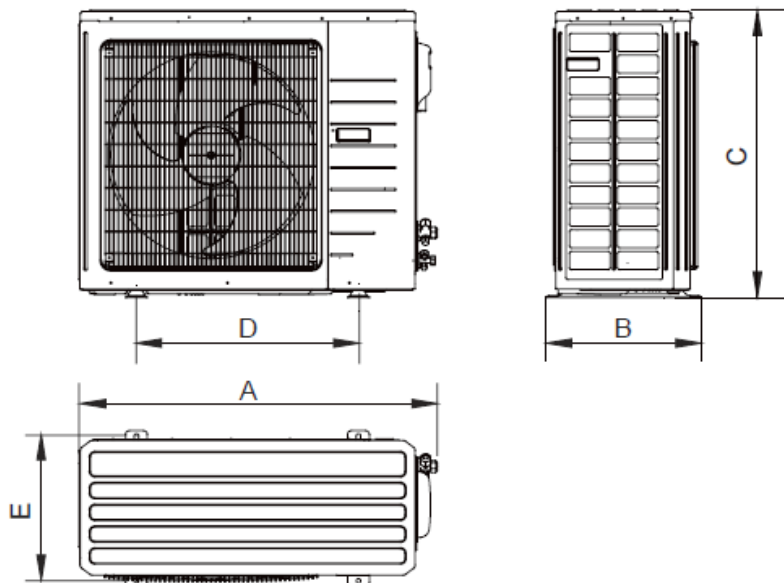
A	43.375	(1101)
B	20.375	(517)
C	32.25	(820)
D	45.625	(1159)
E	50.38	(1279)
F	22.0	(558)
G	39.5	(1002)
H	6.25	(160)
I	9.3	(235)
J	10.5	(268)

Net Weight	74.8 lbs
Shipping Weight	85.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	13/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625	(980)
B	16.75	(427)
C	31.125	(790)
D	24.0	(610)
E	15.5	(395)

Net Weight	151.8 lbs
Shipping Weight	162.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.

Submittal Data: UMAT30HP230V1AD 30,000 BTUH Slim Duct Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation	Schedule No.
------------------	--------------

GENERAL FEATURES

- Multi-Speed Fan
- Medium Static Pressure Capability
- Flexible Return Air From Bottom Or Rear
- Internal Condensate Drain Pump
- Sentry Condensate Overflow Protection
- XK-60 Wired Remote Controllers
- Gold Fin Condenser Coating
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7630983

System Ratings
Cooling

Rated Capacity	28,200 BTU/H
Capacity Range	8,200-29,600 BTU/H
Power Input (Max)	3,700 W
SEER	16.0
EER	8.6

Heating at 47° F

Rated Capacity	31,200 BTU/H
Capacity Range	8,200-33,600 BTU/H
Power Input (Max)	3,500 W
HSPF	9.0
COP	3.0

Heating at 17° F

Rated Capacity	16,700 BTU/H
----------------	--------------

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	84.8 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/5HP
	FLA	1.3A
Airflow		
	Cooling Wet (Lo/Hi)	587/820 CFM
	Heating Dry (Lo/Hi)	587/820 CFM
Sound Pressure Level		
	Cooling (Min/Max)	40/46 db(A)
	Heating (Min/Max)	40/46 db(A)
Dehumidication		1.04 pt/hr
Condensate Drain Lift (Height)		39-in
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	Interconnecting Cable Wire Size	18-2 AWG
	MCA	2.0A
	MOCP/Breaker Size	15A

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	18.0 A
Refrigerant Type		R410A
Fan Motor	Output Power	1/6HP
	FLA	1.5 A
Sound Pressure		
	Cooling/Heating	58/58 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	24.0A
	MOCP/Breaker Size	40 A

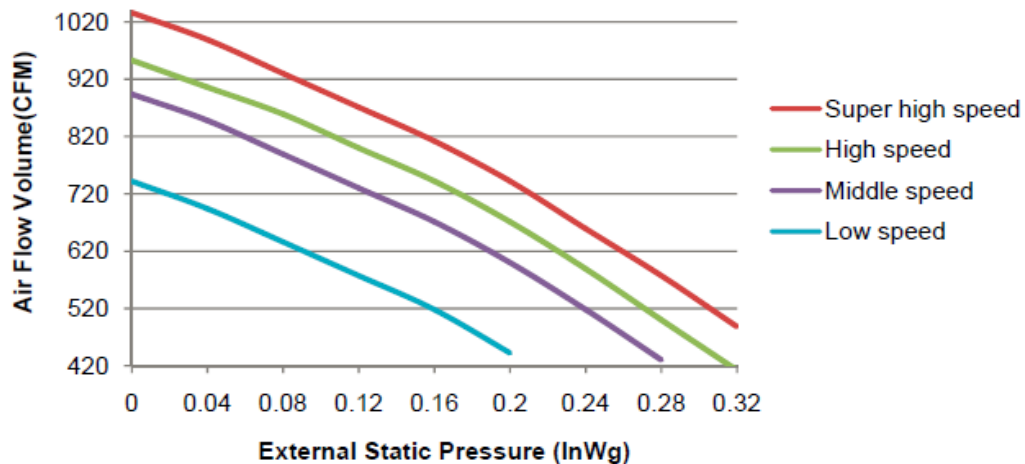
SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

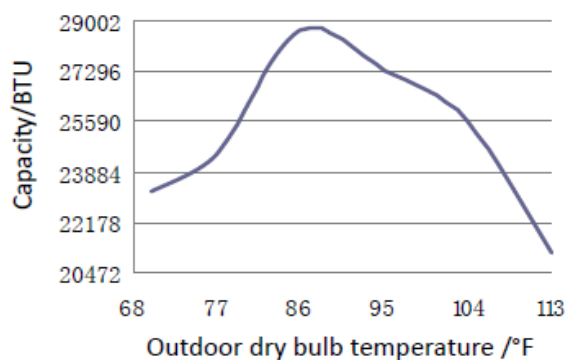
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

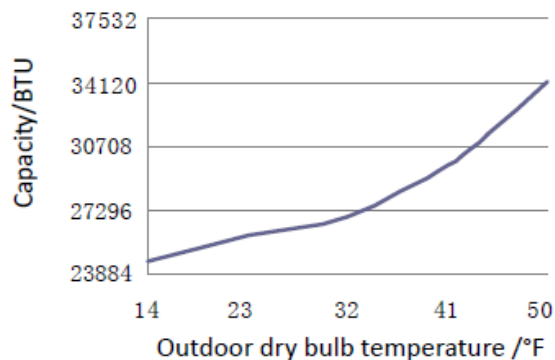


EXTENDED RATINGS

COOLING PERFORMANCE



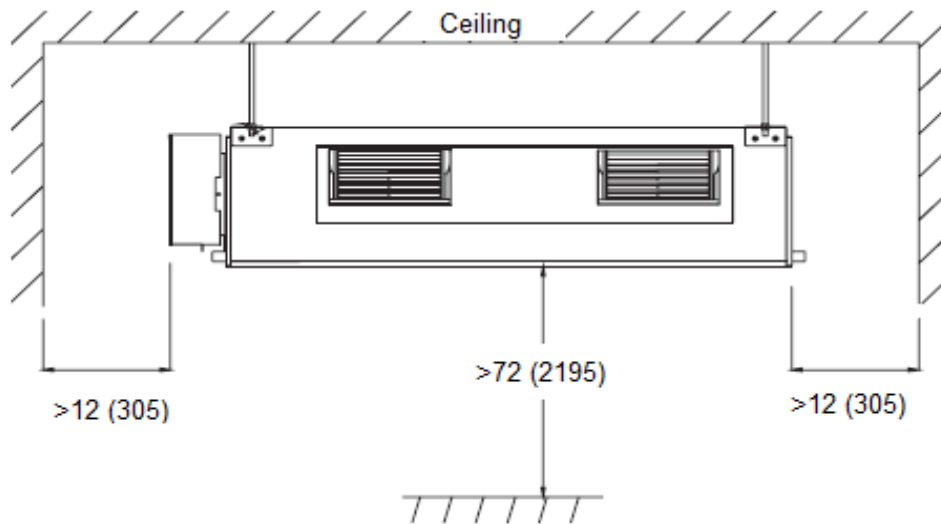
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

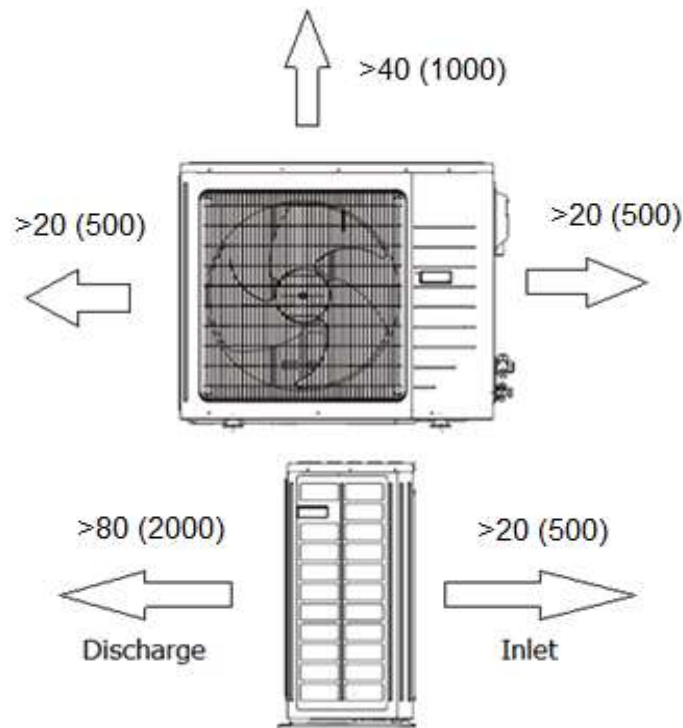
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

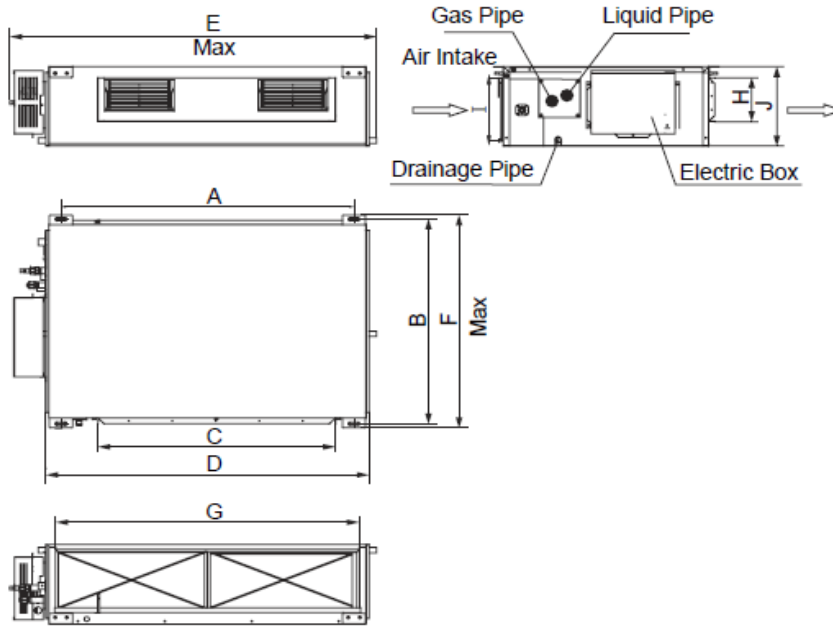


DIMENSIONAL SPECIFICATIONS

UMAT30HP230V1AD

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



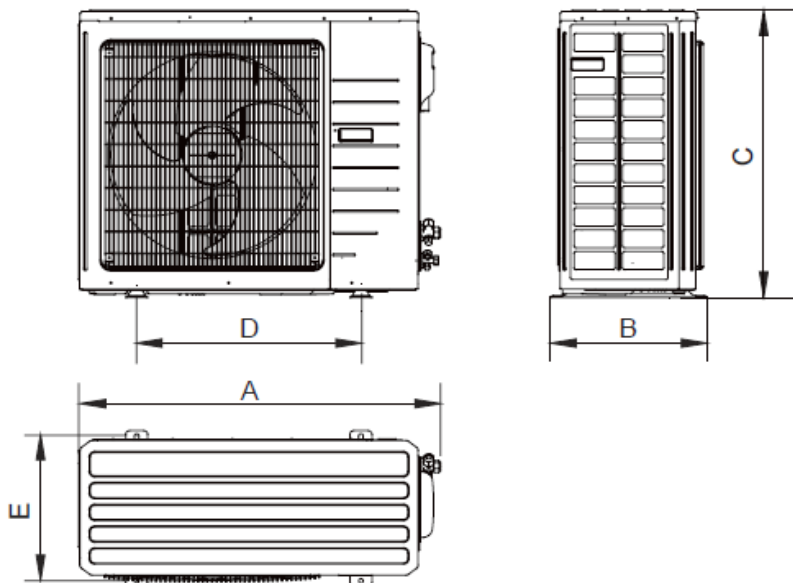
A	43.375	(1101)
B	20.375	(517)
C	32.25	(820)
D	45.625	(1159)
E	50.38	(1279)
F	22.0	(558)
G	39.5	(1002)
H	6.25	(160)
I	9.3	(235)
J	10.5	(268)

Net Weight	77.0 lbs
Shipping Weight	85.8 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	13/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	38.625	(980)
B	16.75	(427)
C	31.125	(790)
D	24.0	(610)
E	15.5	(395)

Net Weight	158.4 lbs
Shipping Weight	169.4 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT36HP230V1AD 36,000 BTUH Slim Duct Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction
Unit Designation	Schedule No.	

GENERAL FEATURES -Multi-Speed Fan -Medium Static Pressure Capability -Flexible Return Air From Bottom Or Rear -Internal Condensate Drain Pump -Sentry Condensate Overflow Protection -XK-60 Wired Remote Controllers -Gold Fin Condenser Coating -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty	 AHRI Certified Ref No: 7630986
--	---

System Ratings		Indoor Unit Data	
Cooling		Fan Motor	Output Power 1/3HP FLA 2.1A
Rated Capacity	34,000 BTU/H	Airflow	
Capacity Range	10,800-39,000 BTU/H	Cooling Wet (Lo/Hi)	950/1175 CFM
Power Input (Max)	4,500 W	Heating Dry (Lo/Hi)	950/1175 CFM
SEER	16.0	Sound Pressure Level	
EER	10.4	Cooling (Min/Max)	44/52 db(A)
Heating at 47° F		Heating (Min/Max)	44/52 db(A)
Rated Capacity	41,000 BTU/H	Dehumidification	1.28 pt/hr
Capacity Range	9,800-49,500 BTU/H	Condensate Drain Lift (Height)	39-in
Power Input (Max)	4,600 W	Power Supply	
HSPF	9.0	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
COP	3.2	Voltage Range	187 - 253 V
Heating at 17° F		Interconnecting Cable Wire Size	18-2 AWG
Rated Capacity	24,600 BTU/H	MCA	3.0A
Operating Range		MOCP/Breaker Size	15A
Cooling (Max)	118°F (48 C)	Outdoor Unit Data	
(Min)	0°F (-18 C)	Compressor	DC Inverter Driven Rotary
Heating (Max)	75°F (24 C)	RLA	21.2 A
(Min)	0°F (-18 C)	Refrigerant Type	R410A
Refrigerant Piping Data		Fan Motor	Output Power 2/9HP FLA 2.0 A
Gas Pipe Size (OD)	5/8-in	Sound Pressure	
Liquid Pipe Size (OD)	3/8-in	Cooling/Heating	63/63 db(A)
Connection Method	Flared	Power Supply	
Factory Charge	123.2 oz	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
Additional Charge	0.6 oz/ft	Voltage Range	187 - 253 V
Pre-Charge Length	25-ft	MCA	29.0A
MAX Refrigerant Pipe Length	164-ft	MOCP/Breaker Size	45 A
MIN Refrigerant Pipe Length	10-ft		
MAX Refrigerant Pipe Elevation	49-ft		



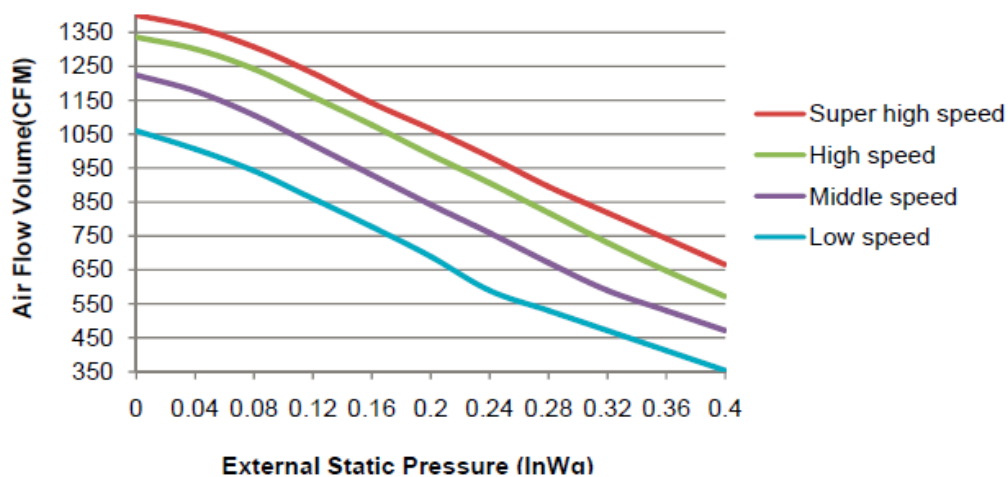
SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

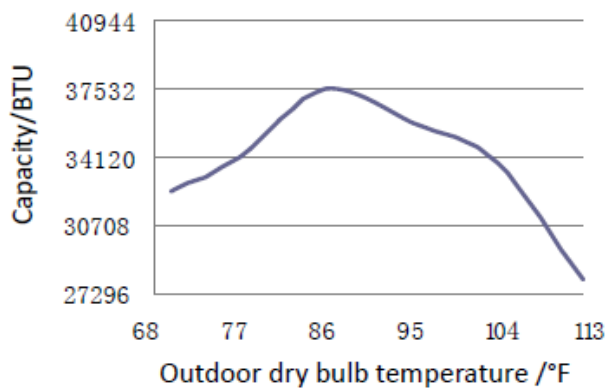
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

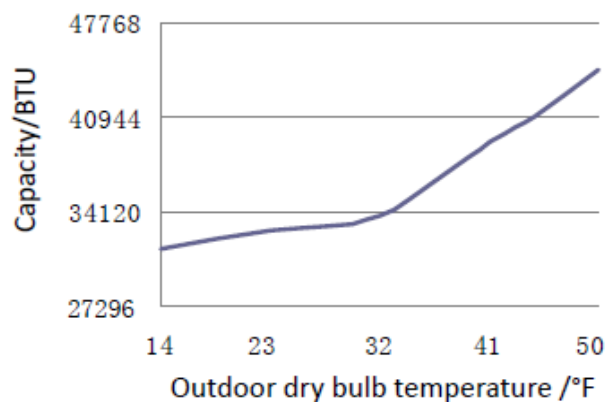


EXTENDED RATINGS

COOLING PERFORMANCE



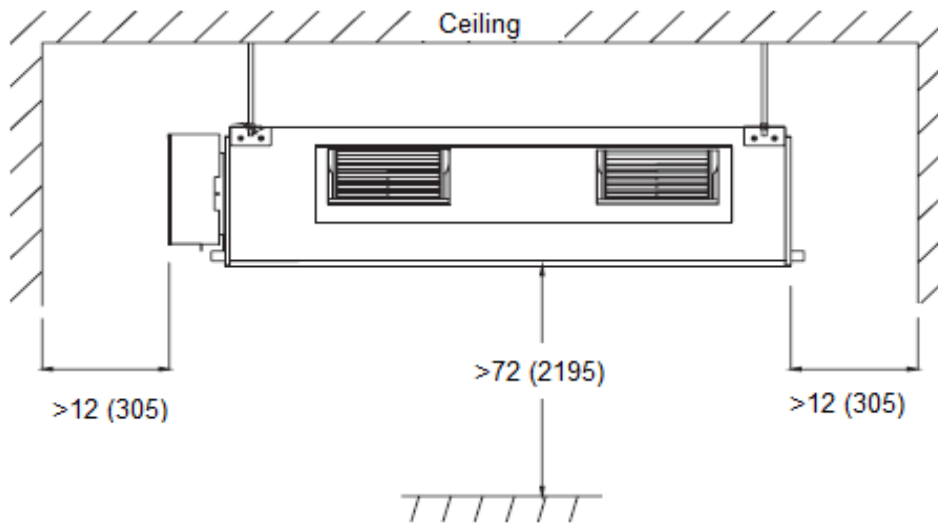
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

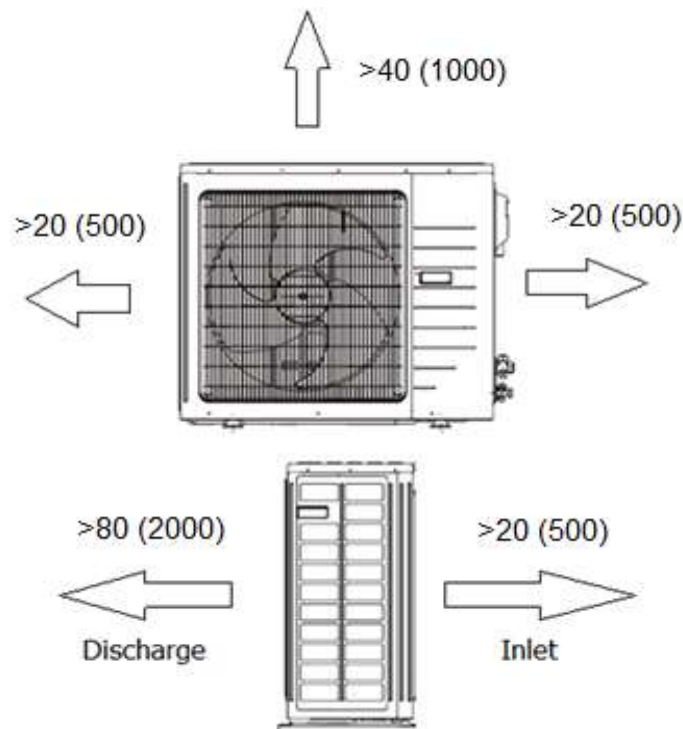
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

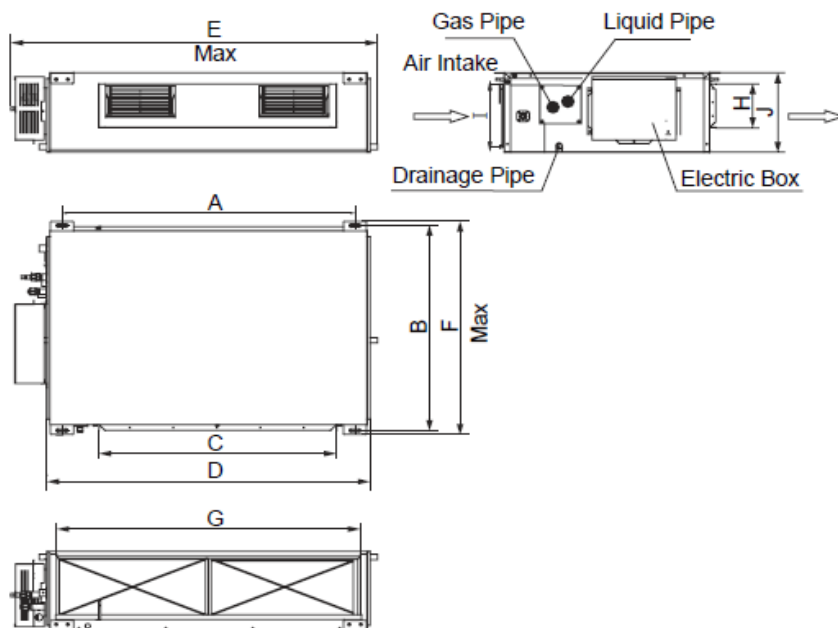


DIMENSIONAL SPECIFICATIONS

UMAT36HP230V1AD

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



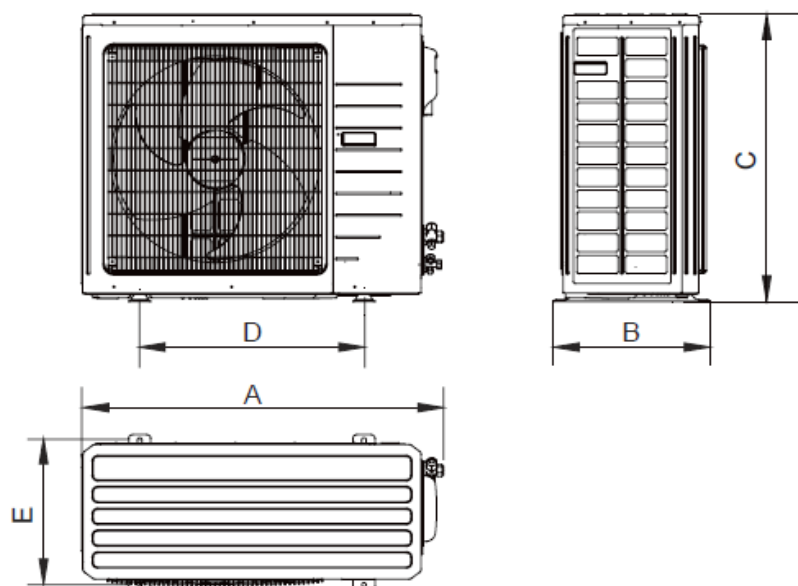
A	39.75	(1011)
B	29.5	(748)
C	32.25	(820)
D	43.875	(1115)
E	48.25	(1226)
F	30.5	(775)
G	38.5	(979)
H	6.25	(160)
I	9.125	(231)
J	11.375	(290)

Net Weight	101.2` lbs
Shipping Weight	116.6 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	13/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	43.625	(1107)
B	17.375	(440)
C	43.25	(1100)
D	24.875	(631)
E	15.75	(400)

Net Weight	204.6 lbs
Shipping Weight	222.2 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.

Submittal Data: UMAT42HP230V1AD 42,000 BTUH Slim Duct Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation	Schedule No.
------------------	--------------

GENERAL FEATURES

- Multi-Speed Fan
- Medium Static Pressure Capability
- Flexible Return Air From Bottom Or Rear
- Internal Condensate Drain Pump
- Sentry Condensate Overflow Protection
- XK-60 Wired Remote Controllers
- Gold Fin Condenser Coating
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7631271

System Ratings
Cooling

Rated Capacity	39,500 BTU/H
Capacity Range	12,000-42,500 BTU/H
Power Input (Max)	4,700 W
SEER	16.0
EER	9.5

Heating at 47° F

Rated Capacity	44,000 BTU/H
Capacity Range	13,000-52,500 BTU/H
Power Input (Max)	4,750 W
HSPF	9.0
COP	3.3

Heating at 17° F

Rated Capacity	24,800 BTU/H
----------------	--------------

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	131.2 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	1/3HP
	FLA	2.1A
Airflow		
Cooling	Wet (Lo/Hi)	950/1175 CFM
Heating	Dry (Lo/Hi)	950/1175 CFM
Sound Pressure Level		
Cooling	(Min/Max)	45/53 db(A)
Heating	(Min/Max)	45/53 db(A)
Dehumidification		1.42 pt/hr
Condensate Drain Lift (Height)		39-in
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	3.0A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	21.2 A
Refrigerant Type		R410A
Fan Motor	Output Power	2 x 1/6HP
	FLA	2 x 2.0 A
Sound Pressure		
	Cooling/Heating	61/61 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	31.0A
	MOCP/Breaker Size	50 A

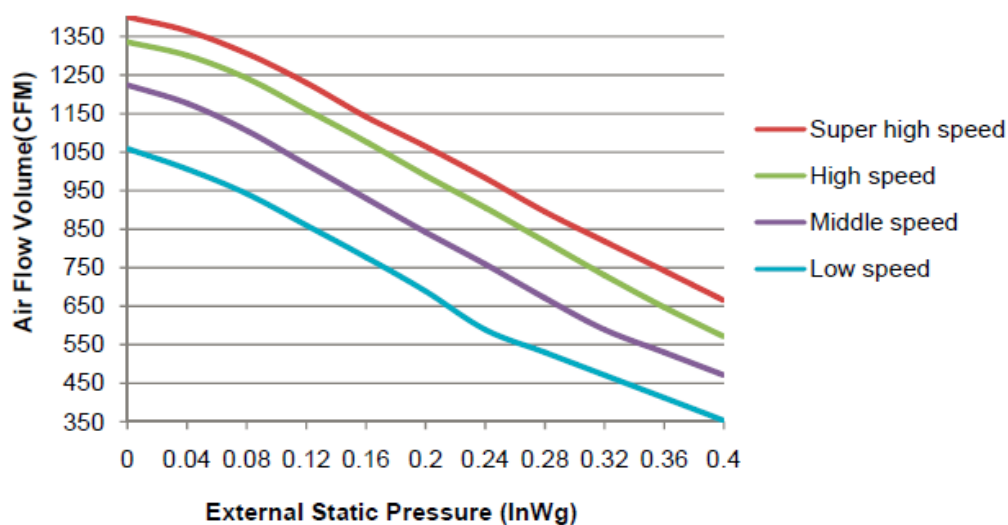
SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

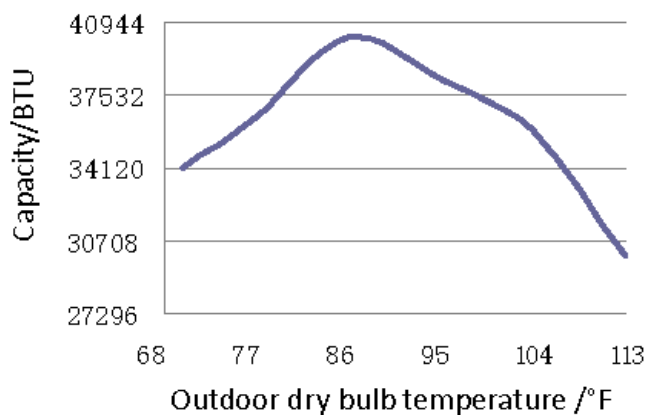
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

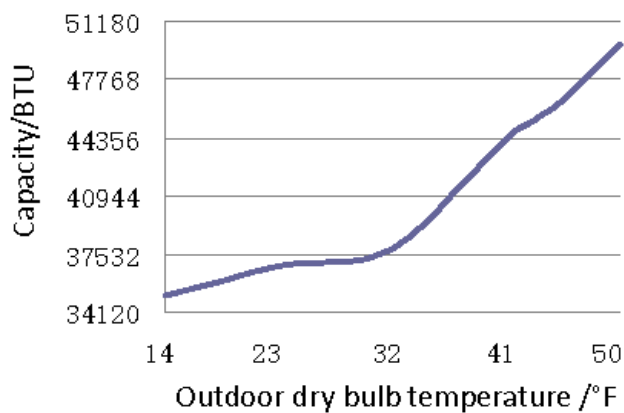


EXTENDED RATINGS

COOLING PERFORMANCE



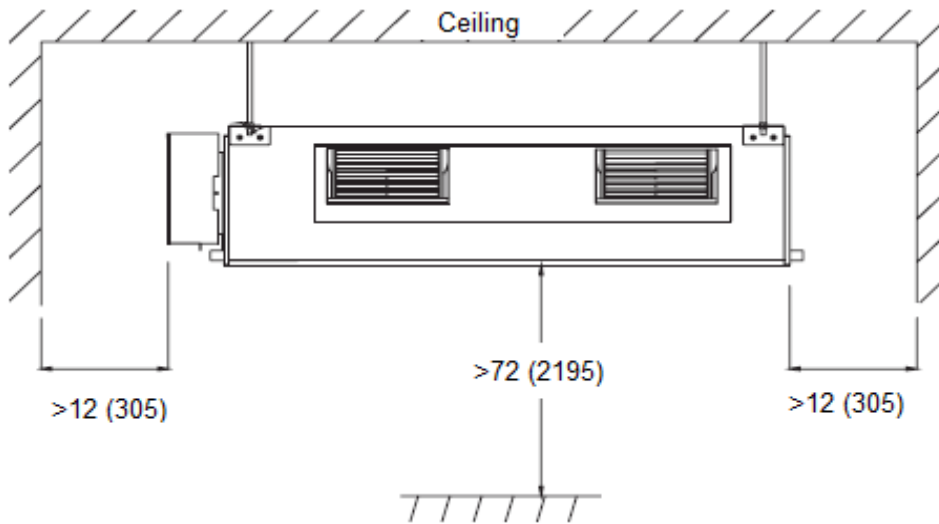
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

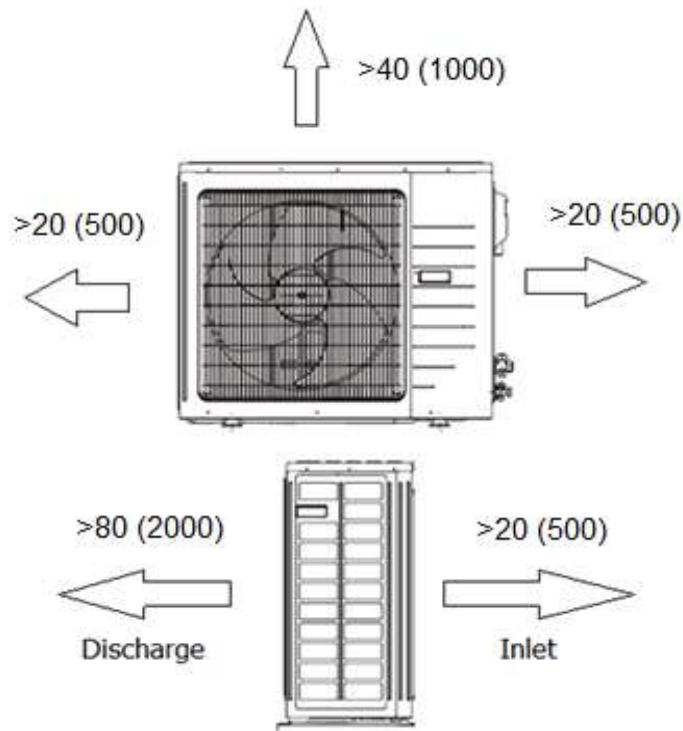
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

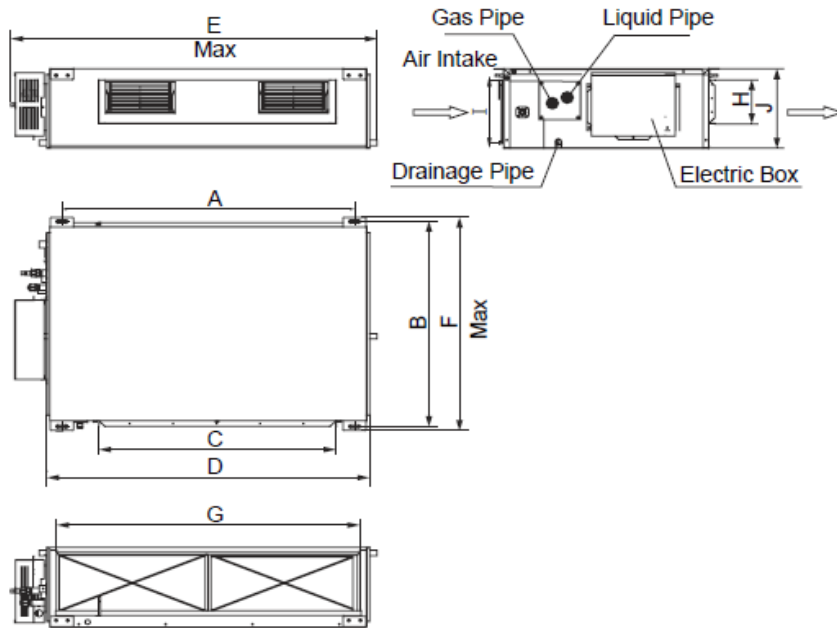


DIMENSIONAL SPECIFICATIONS

UMAT42HP230V1AD

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



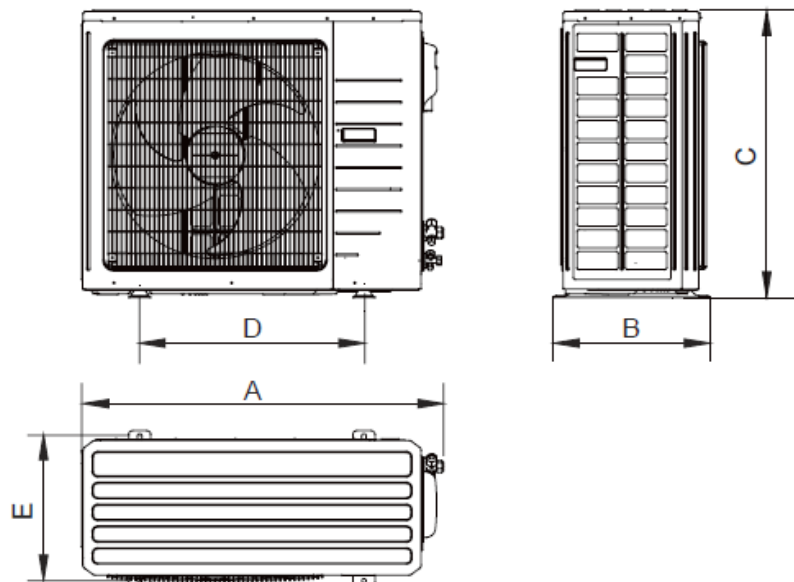
A	39.75	(1011)
B	29.5	(748)
C	32.25	(820)
D	43.875	(1115)
E	48.25	(1226)
F	30.5	(775)
G	38.5	(979)
H	6.25	(160)
I	9.125	(231)
J	11.375	(290)

Net Weight	101.2 lbs
Shipping Weight	116.6 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	13/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75	(958)
B	16.25	(412)
C	53.125	(1349)
D	22.5	(572)
E	14.75	(376)

Net Weight	209.0 lbs
Shipping Weight	232.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All rights reserved.



Innovative Ductless Mini Split Solution

Submittal Data: UMAT48HP230V1AD

48,000 BTUH Slim Duct Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	☐ Reference ☐ Approval ☐ Construction

Unit Designation

Schedule No.

GENERAL FEATURES

- Multi-Speed Fan
- Medium Static Pressure Capability
- Flexible Return Air From Bottom Or Rear
- Internal Condensate Drain Pump
- Sentry Condensate Overflow Protection
- XK-60 Wired Remote Controllers
- Gold Fin Condenser Coating
- 5 yr. Limited Parts Warranty
- 7 year Limited Compressor Warranty



AHRI Certified Ref No: 7631500

System Ratings

Cooling

Rated Capacity	48,000 BTU/H
Capacity Range	20,400-49,500 BTU/H
Power Input (Max)	5,600 W
SEER	16.0
EER	9.3

Heating at 47° F

Rated Capacity	54,500 BTU/H
Capacity Range	17,500-58,000 BTU/H
Power Input (Max)	5,500 W
HSPF	9.0
COP	3.1

Heating at 17° F

Rated Capacity	30,600 BTU/H
----------------	--------------

Operating Range

Cooling	(Max)	118°F (48 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Refrigerant Piping Data

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
Factory Charge	140.8 oz
Additional Charge	0.6 oz/ft
Pre-Charge Length	25-ft
MAX Refrigerant Pipe Length	230-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	49-ft

Indoor Unit Data

Fan Motor	Output Power	3/4HP
	FLA	4.0A
Airflow		
Cooling	Wet (Lo/Hi)	900/1470 CFM
Heating	Dry (Lo/Hi)	900/1470 CFM
Sound Pressure Level		
Cooling	(Min/Max)	41/53 db(A)
Heating	(Min/Max)	41/53 db(A)
Dehumidification		1.80 pt/hr
Condensate Drain Lift (Height)		39-in
Power Supply		
Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz	
Voltage Range	187 - 253 V	
Interconnecting Cable Wire Size	18-2 AWG	
MCA	5.0A	
MOCP/Breaker Size	15A	

Outdoor Unit Data

Compressor		DC Inverter Driven Rotary
	RLA	35.5 A
Refrigerant Type		R410A
Fan Motor	Output Power	2 x 1/6HP
	FLA	2 x 2.0 A
Sound Pressure		
	Cooling/Heating	59/59 db(A)
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	45.0A
	MOCP/Breaker Size	70 A



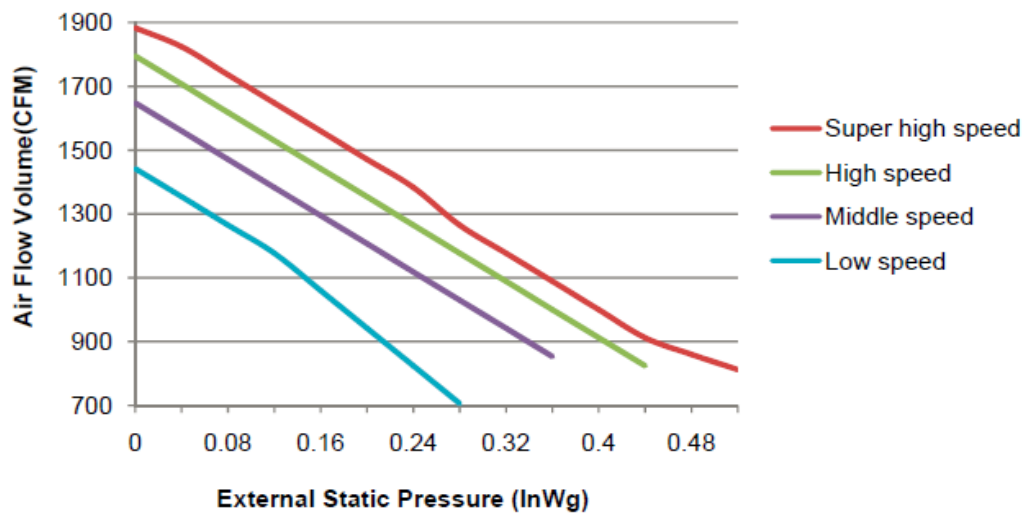
SYSTEM FEATURES

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	YES
Compressor With Electric Heater	NO
Outdoor Fin Coating	Gold Fin
Intelligent Defrosting	YES
Intelligent Preheating	YES
Low Voltage Startup	YES
Memory/Power Failure Recovery	YES
Self Diagnosis	YES
Low Ambient Cooling	YES
Internal Condensate Pump	YES
XK-60 Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
LED Display Indoor Unit	YES
Advance Filter	Optional
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	NO

REMOTE CONTROLLER FUNCTIONS

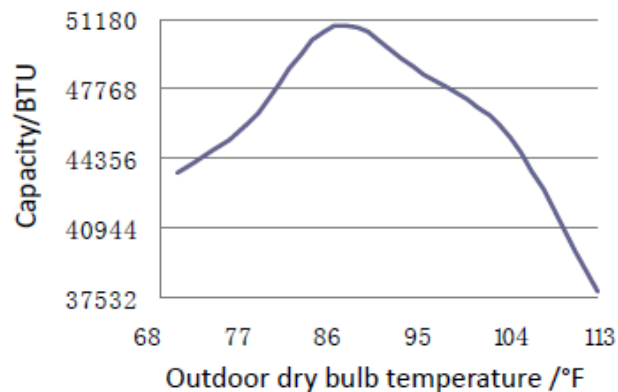
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature Display	NO
Sleep Mode	YES
4 Sleep Modes Options	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES

FAN PERFORMANCE CURVES

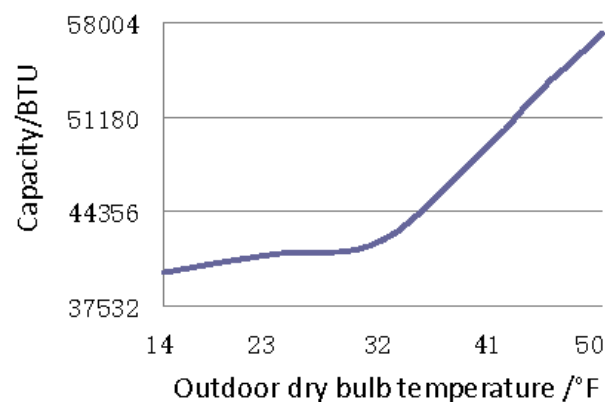


EXTENDED RATINGS

COOLING PERFORMANCE



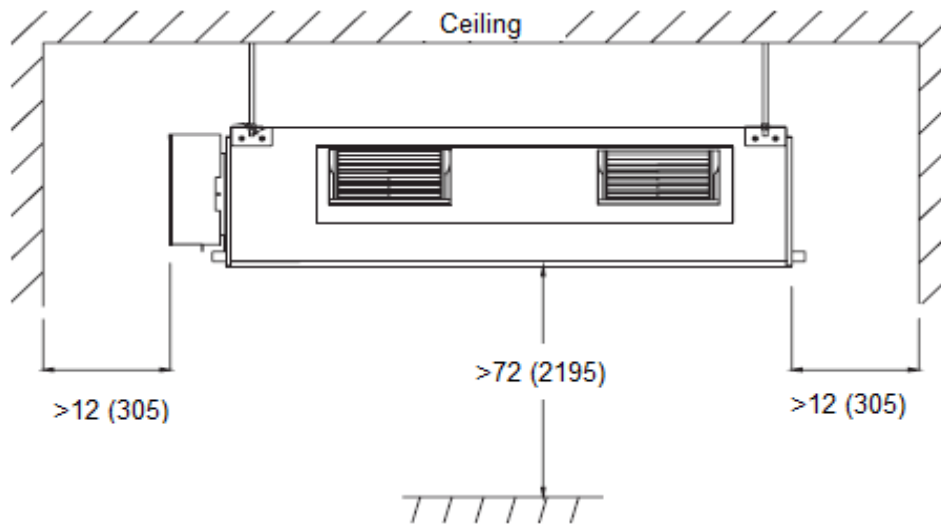
HEATING PERFORMANCE



MINIMUM SPACING REQUIREMENTS

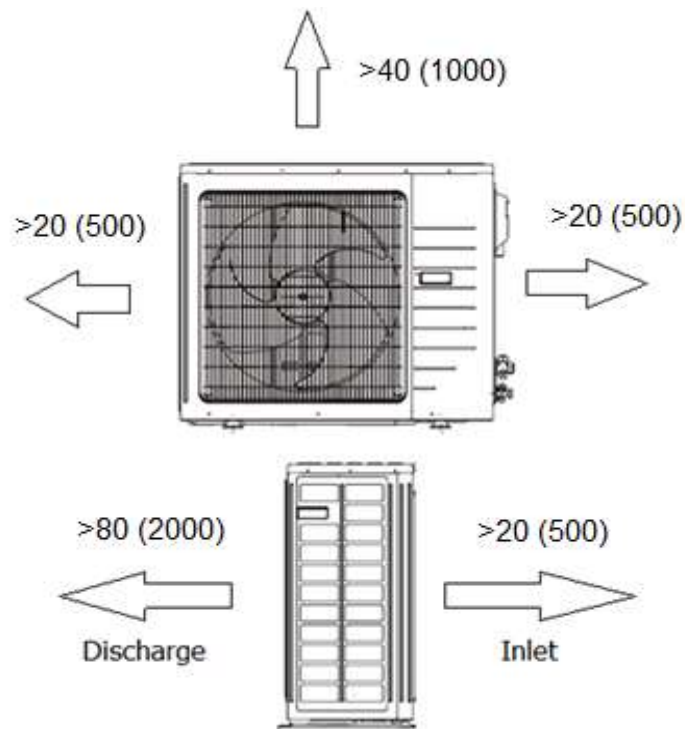
Units: inch (mm)

INDOOR



Units: inch (mm)

OUTDOOR

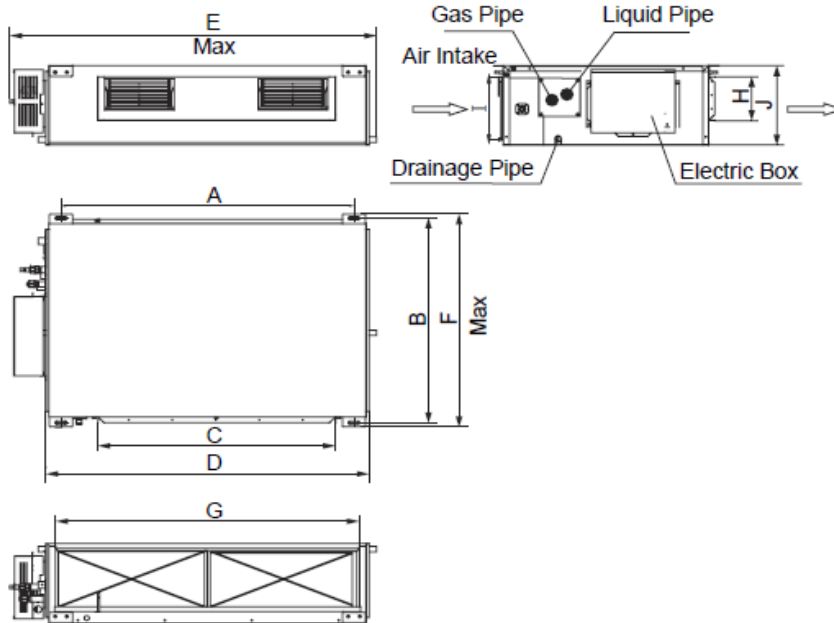


DIMENSIONAL SPECIFICATIONS

UMAT48HP230V1AD

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



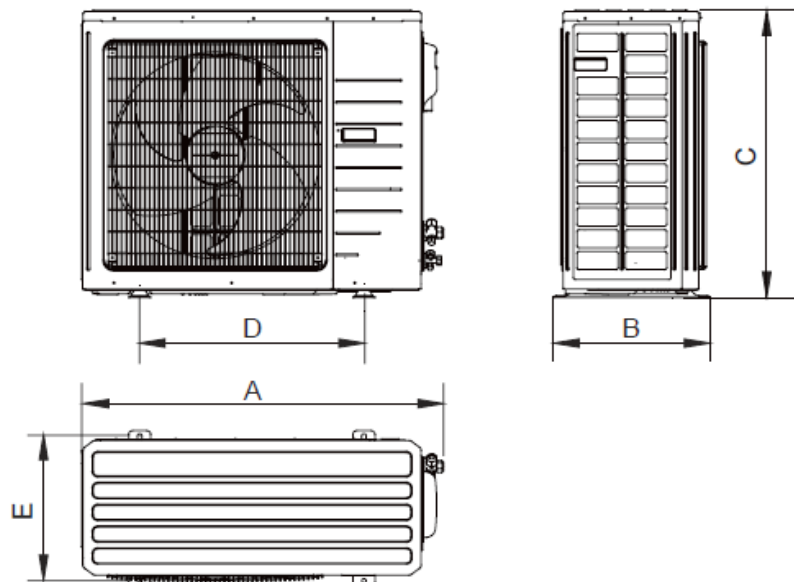
A	43.375	(1177)
B	25.375	(646)
C	33.5	(852)
D	45.25	(1150)
E	52.75	(1340)
F	29.5	(750)
G	37.5	(953)
H	7.5	(190)
I	12.5	(316)
J	13.75	(350)

Net Weight	123.2 lbs
Shipping Weight	154.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared
Drain Connector	13/16 in OD

OUTDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



A	37.75	(958)
B	16.25	(412)
C	53.125	(1349)
D	22.5	(572)
E	14.75	(376)

Net Weight	231.0 lbs
Shipping Weight	253.0 lbs

Liquid Line Valve	3/8-in OD Flared
Gas Line Valve	5/8-in OD Flared

Notes:

1. Recommended Communication Cable Type 18-2 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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