



TOSOT

U-MATCH 18,000 BTUH Ceiling Cassette Heat Pump System

**Model:
TU18HKI**



Item	Unit	Specification
ODU Model	—	TU18H3O
IDU Model	—	TU18HKI
System Ratings		
Cooling Capacity	Btu/h	17,100
Heating Capacity (47°F)	Btu/h	18,800
Heating Capacity (17°F)	Btu/h	9900
Cooling Capacity Range	Btu/h	5,400-18,700
Heating Capacity Range	Btu/h	4,700-22,200
Cooling Power Input (Max)	W	1,750
Heating Power Input (Max)	W	1,900
SEER	—	16.0
HSPF	—	9
EER	W/W	10.1
COP	W/W	2.7
Cooling Operation Range	°F (°C)	0~118.0 (-18.0~48.0)
Heating Operation Range	°F (°C)	0~75.0(-18.0~24.0)
Gas Pipe Size (OD)	Inch	1/2
Liquid Pipe Size (OD)	Inch	1/4
Connection Method	—	Flared
Factory Charge	oz	49.6
Additional Charge	oz/ft	0.3
Pre-Charge Length	ft.	25
MAX Refrigerant Pipe Length	ft.	164
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	49
Indoor Unit Data		
Air Flow Volume (Cooling Wet)(Lo/Hi)	CFM	353/445
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	353/445
Air Flow Distance (max)	ft	11.5
Sound Pressure Level (Min/Max)	dB(A)	37/46
Dehumidication	pt/hr	0.85
Condensate Drain Lift (Height)	Inch	33
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	1.0
MOCP/Breaker Size	A	15
Communication Wire Size	—	18-2 AWG / 300V THHN
Outdoor Unit Data		
Compressor Type	—	DC Inverter Driven Rotary
Refrigerant Type	—	R410A
Sound Pressure Level(Cooling/Heating)	dB(A)	56/56
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
Power Supply Wire Size	—	10-3 AWG
MCA/ Power Cable Size	A	17.0
MOCP/Breaker Size	A	25

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



TQSDT

Features & Function Summary

TU18HKI

SYSTEM FEATURES

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	Acrylic Resin
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
XK60 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

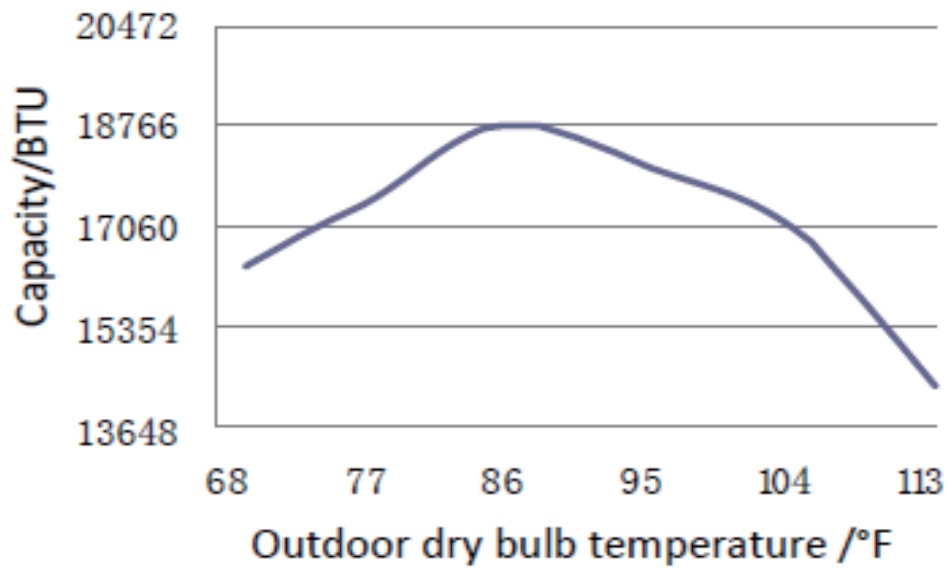
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature 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



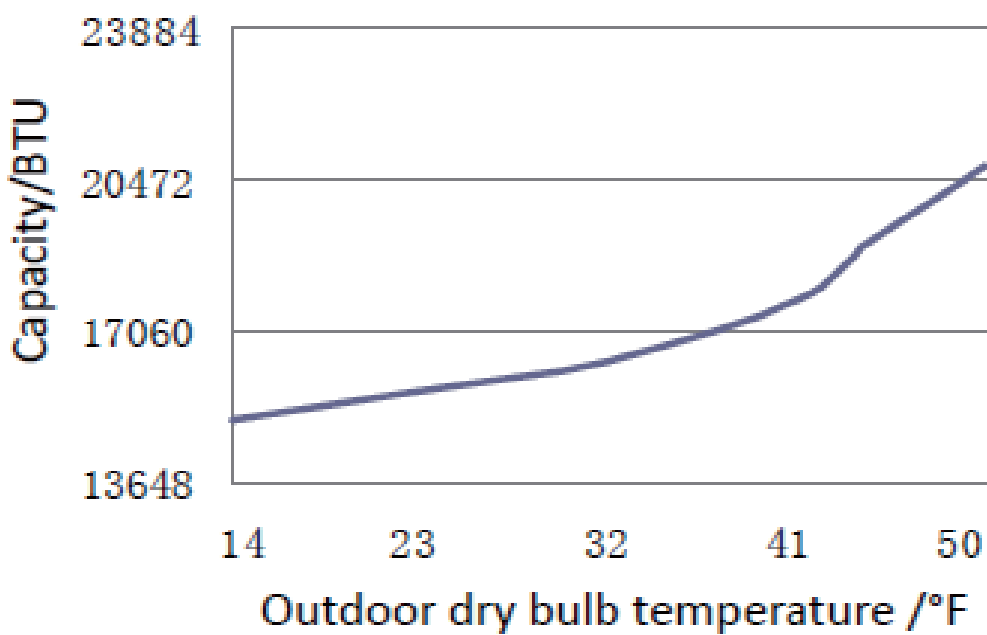


EXTENDED RATINGS

COOLING PERFORMANCE



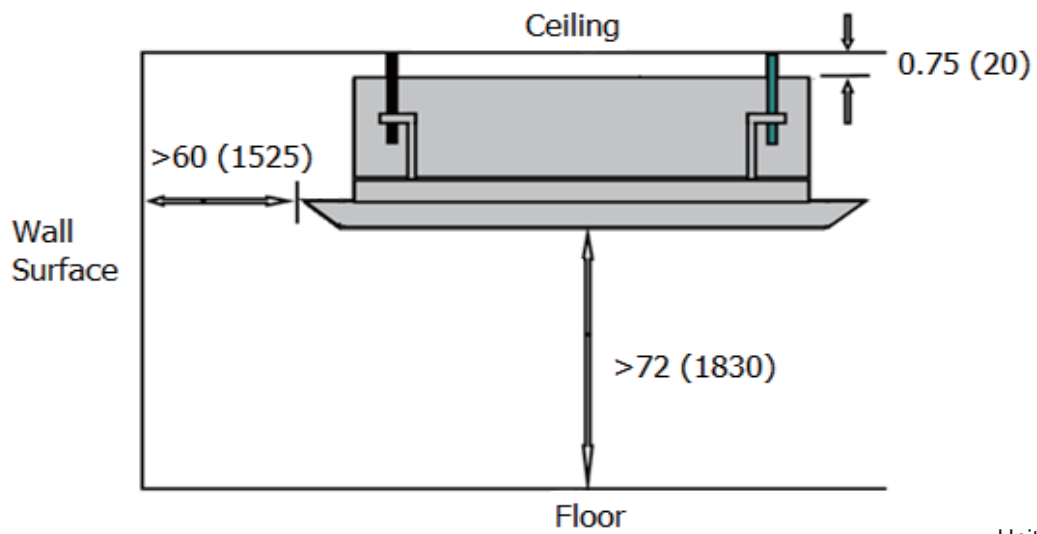
HEATING PERFORMANCE





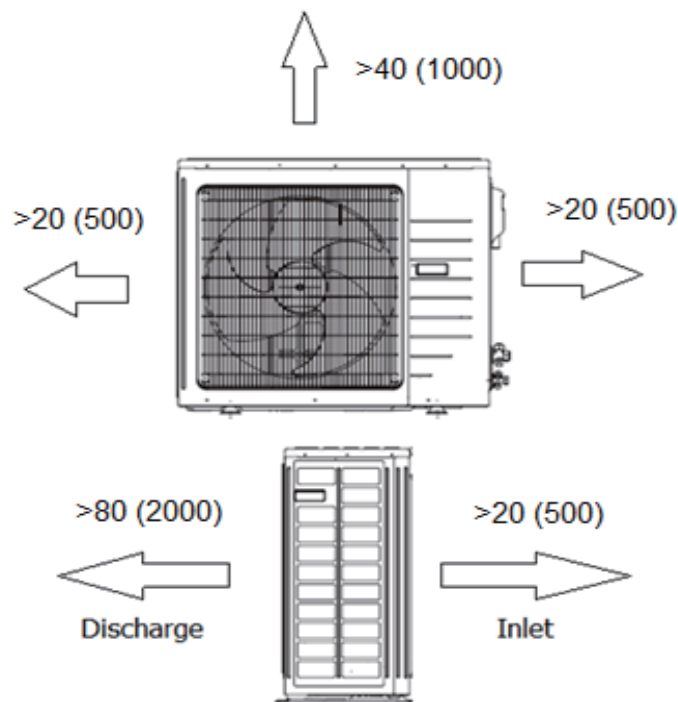
MINIMUM SPACING REQUIREMENTS

INDOOR



Units: inch (mm)

OUTDOOR



Units: inch (mm)

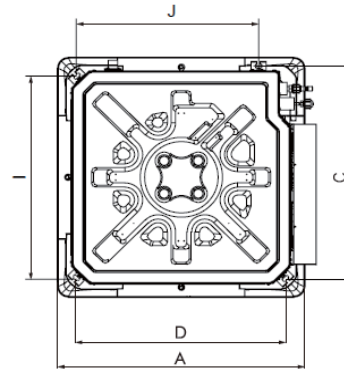
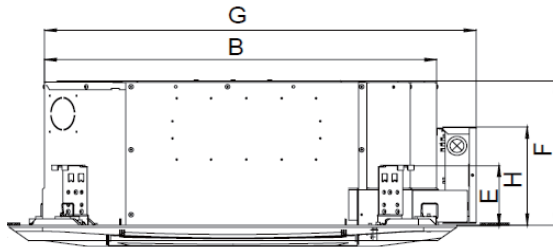


DIMENSIONAL SPECIFICATIONS

TU18HKI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS

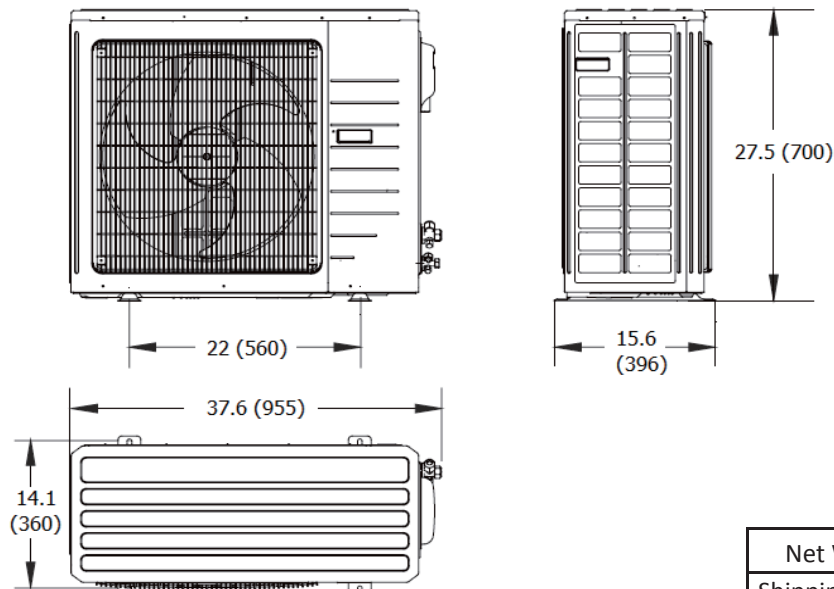


A	B	C	D	E	F	G	H	I	J
26.38	23.5	23.25	22.625	5.75	9.5	26.125	9.25	22.625	19.875
670	596	592	575	145	240	665	236	575	505

Net Weight	44.0 lbs	Liquid Line Valve	1/4-in OD Flared
Shipping Weight	52.8 lbs	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 Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
2. Power wiring size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.



TOSOT

U-MATCH

24,000 BTUH Ceiling Cassette Heat Pump System

**Model:
TU24HKI**



Item	Unit	Specification
ODU Model	—	TU24H3O
IDU Model	—	TU24HKI
System Ratings		
Cooling Capacity	Btu/h	23,800
Heating Capacity (47°F)	Btu/h	27,200
Heating Capacity (17°F)	Btu/h	15,700
Cooling Capacity Range	Btu/h	8,200-29,000
Heating Capacity Range	Btu/h	8,200-32,400
Cooling Power Input (Max)	W	2,500
Heating Power Input (Max)	W	2,750
SEER	—	18.0
HSPF	—	10.0
EER	W/W	10.7
COP	W/W	3.4
Cooling Operation Range	°F (°C)	0~118.0 (-18.0~48.0)
Heating Operation Range	°F (°C)	0~75.0(-18.0~24.0)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	3/8
Connection Method	—	Flared
Factory Charge	oz	78.4
Additional Charge	oz/ft	0.6
Pre-Charge Length	ft.	25
MAX Refrigerant Pipe Length	ft.	164
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	49
Indoor Unit Data		
Air Flow Volume (Cooling Wet)(Lo/Hi)	CFM	510/765
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	510/765
Air Flow Distance (max)	ft	13
Sound Pressure Level (Min/Max)	dB(A)	38/46
Dehumidication	pt/hr	1.14
Condensate Drain Lift (Height)	Inch	33
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	1.0
MOCP/Breaker Size	A	15
Communication Wire Size	—	18-2 AWG / 300V THHN
Outdoor Unit Data		
Compressor Type	—	DC Inverter Driven Rotary
Compressor RLA	A	18.0
Refrigerant Type	—	R410A
Fan Motor Power Output	HP	1/6
Fan Motor FLA	A	1.5
Sound Pressure Level(Cooling/Heating)	dB(A)	57/57
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
Power Supply Wire Size	—	10-3 AWG
MCA/ Power Cable Size	A	24.0
MOCP/Breaker Size	A	40

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



TQSDT

Features & Function Summary

TU24HKI

SYSTEM FEATURES

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	Acrylic Resin
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
XK60 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

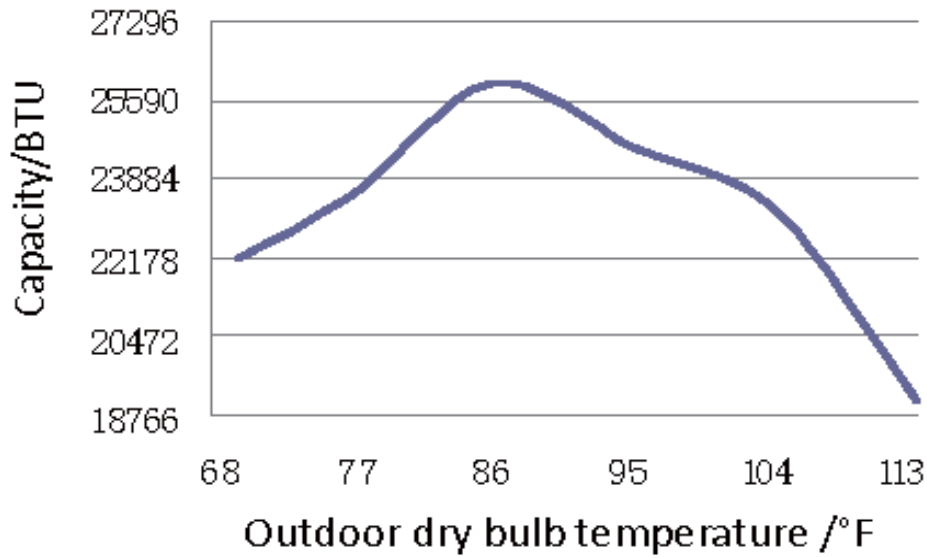
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature 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



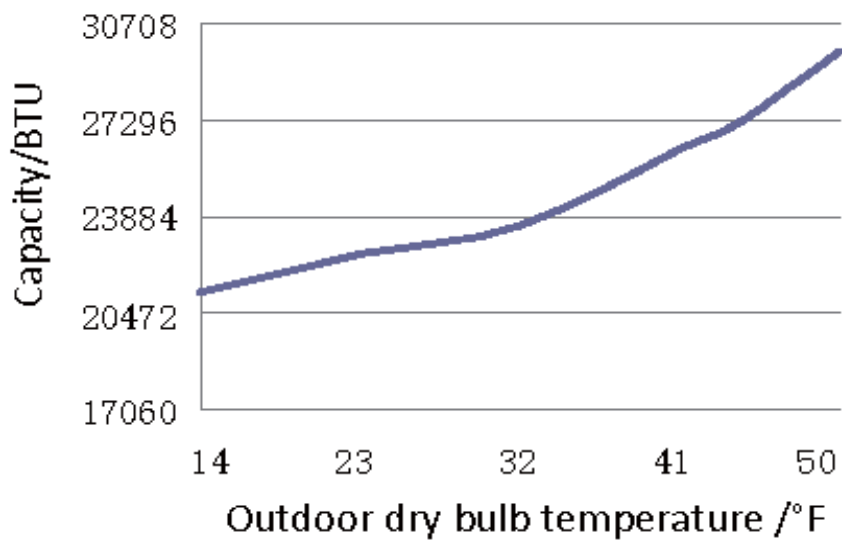


EXTENDED RATINGS

COOLING PERFORMANCE



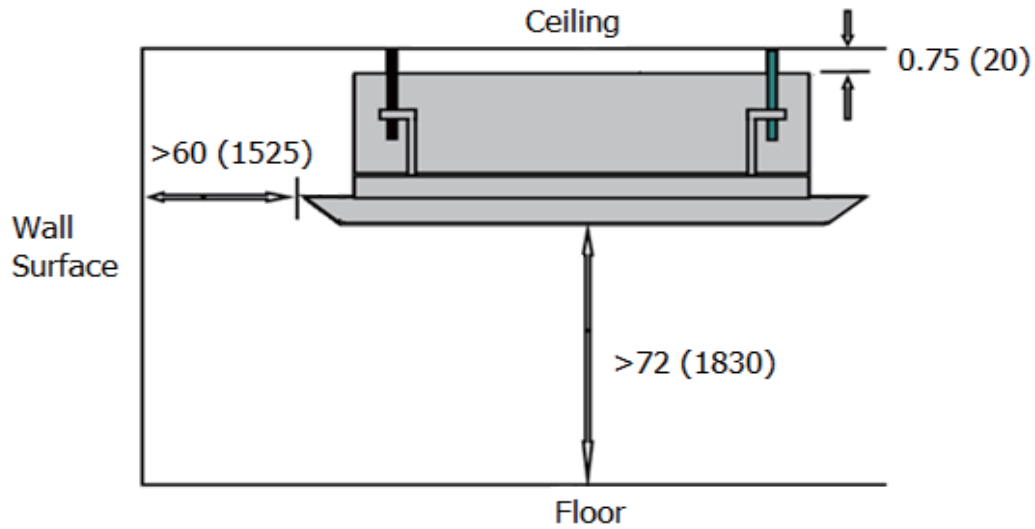
HEATING PERFORMANCE





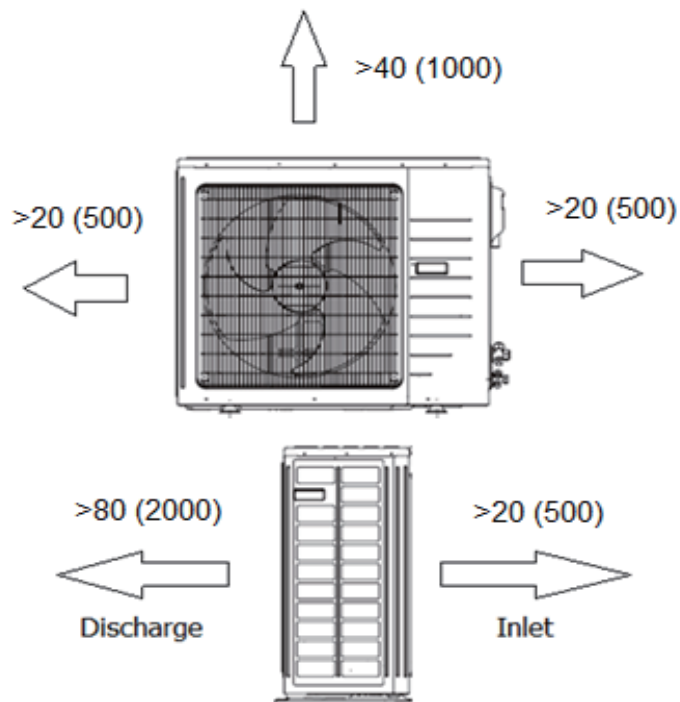
MINIMUM SPACING REQUIREMENTS

INDOOR



Units: inch (mm)

OUTDOOR



Units: inch (mm)

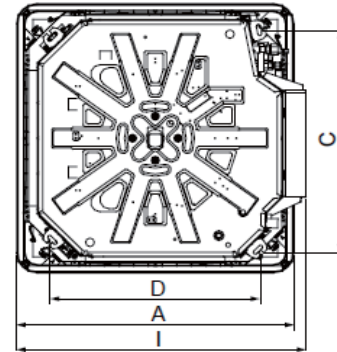


DIMENSIONAL SPECIFICATIONS

TU24HKI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS

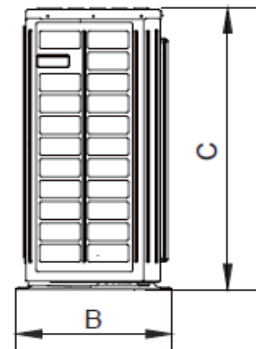
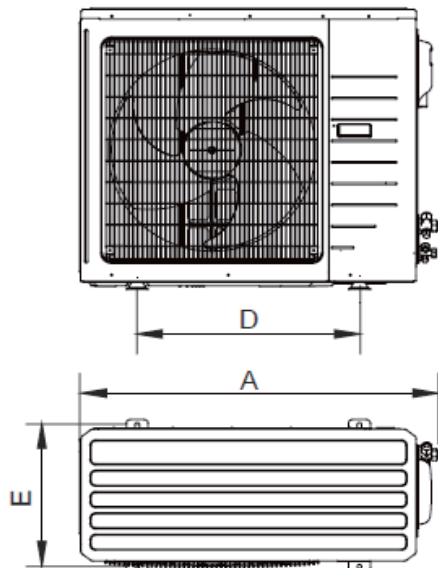


A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Net Weight	59.4 lbs	Liquid Line Valve	3/8-in OD Flared
Shipping Weight	83.6 lbs	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 Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
2. Power wiring size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.



TOSOT

U-MATCH

30,000 BTUH Ceiling Cassette Heat Pump System

**Model:
TU30HKI**



Item	Unit	Specification
ODU Model	—	TU30H3O
IDU Model	—	TU30HKI
System Ratings		
Cooling Capacity	Btu/h	28,200
Heating Capacity (47°F)	Btu/h	31,200
Heating Capacity (17°F)	Btu/h	16,700
Cooling Capacity Range	Btu/h	8,800-31,400
Heating Capacity Range	Btu/h	8,200-33,600
Cooling Power Input (Max)	W	3,700
Heating Power Input (Max)	W	3,500
SEER	—	20.0
HSPF	—	9.0
EER	W/W	10.4
COP	W/W	3.7
Cooling Operation Range	°F (°C)	0~118.0 (-18.0~48.0)
Heating Operation Range	°F (°C)	0~75.0(-18.0~24.0)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	3/8
Connection Method	—	Flared
Factory Charge	oz	84.8
Additional Charge	oz/ft	0.6
Pre-Charge Length	ft.	25
MAX Refrigerant Pipe Length	ft.	164
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	49
Indoor Unit Data		
Air Flow Volume (Cooling Wet)(Lo/Hi)	CFM	587/880
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	587/880
Air Flow Distance (max)	ft	14.75
Sound Pressure Level (Min/Max)	dB(A)	40/48
Dehumidication	pt/hr	1.42
Condensate Drain Lift (Height)	Inch	33
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	1.5
MOCP/Breaker Size	A	15
Communication Wire Size	—	18-2 AWG / 300V THHN
Outdoor Unit Data		
Compressor Type	—	DC Inverter Driven Rotary
Compressor RLA	A	18.0
Refrigerant Type	—	R410A
Fan Motor Power Output	HP	1/6
Fan Motor FLA	A	1.5
Sound Pressure Level(Cooling/Heating)	dB(A)	58/58
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
Power Supply Wire Size	—	10 -3AWG
MCA/ Power Cable Size	A	24.0
MOCP/Breaker Size	A	40

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



TQSDT

Features & Function Summary

TU30HKI

SYSTEM FEATURES

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	Acrylic Resin
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
XK60 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



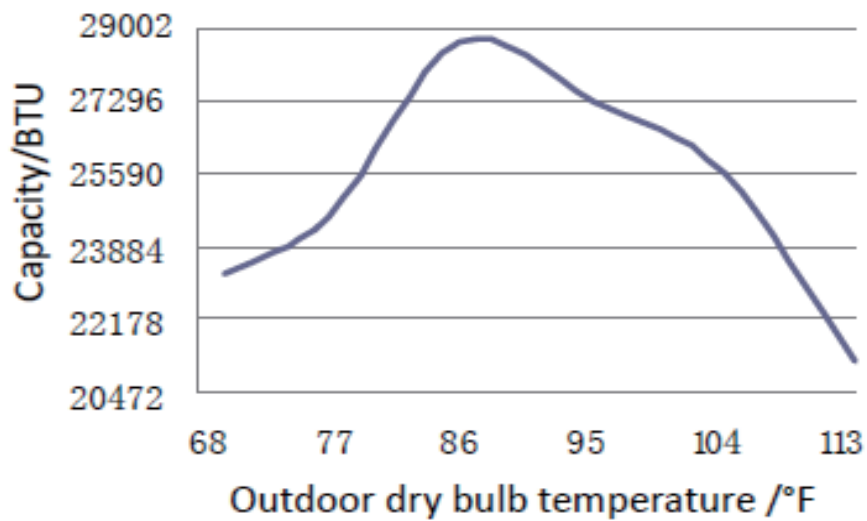


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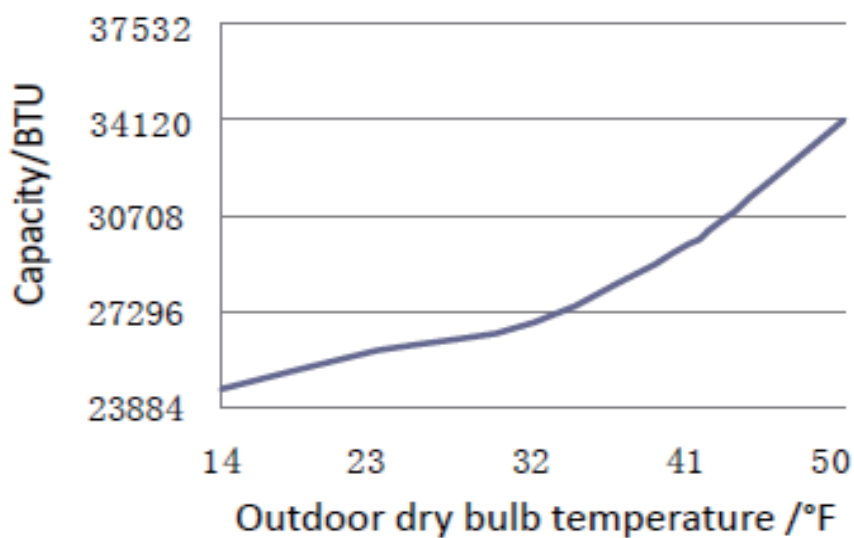
30,000 BTUH Ceiling Cassette Heat Pump System

EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE



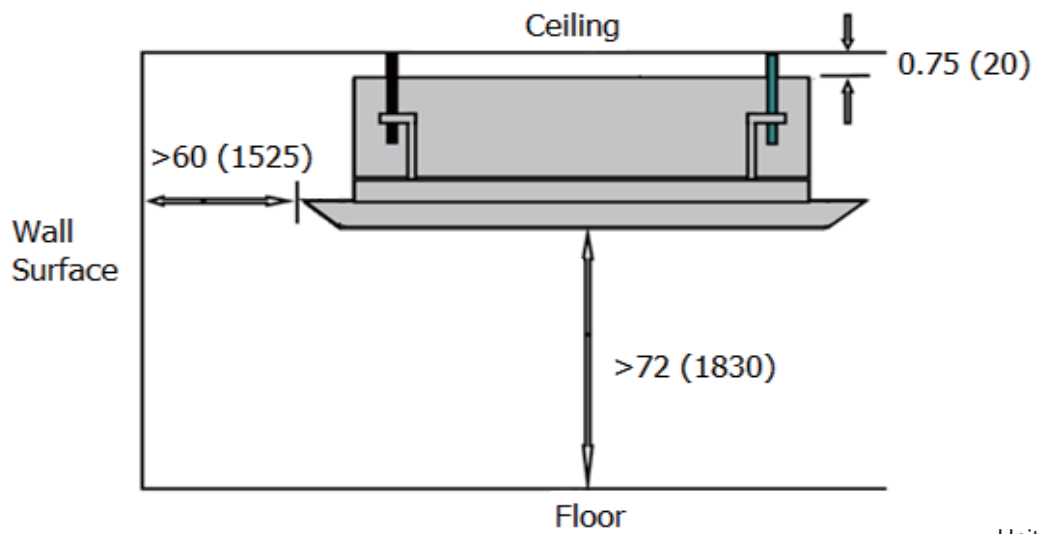


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30,000 BTUH Ceiling Cassette Heat Pump System

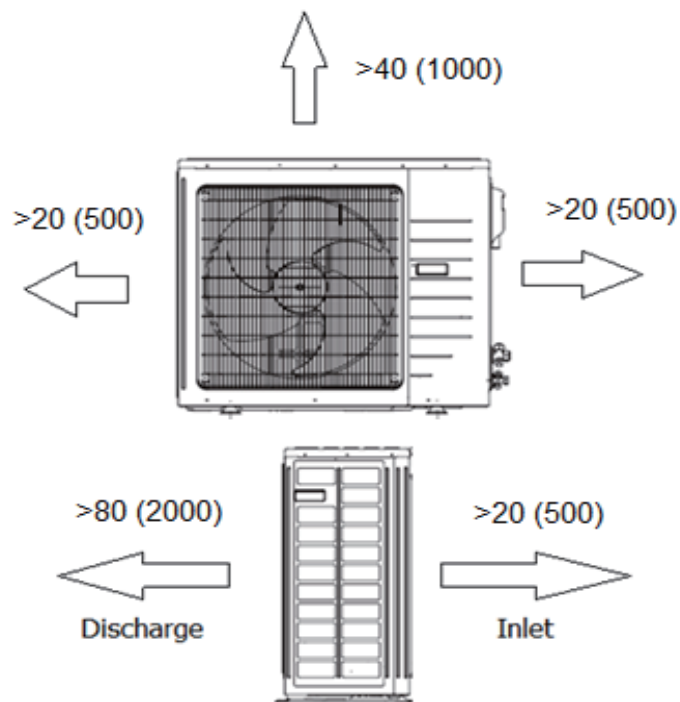
MINIMUM SPACING REQUIREMENTS

INDOOR



Units: inch (mm)

OUTDOOR



Units: inch (mm)

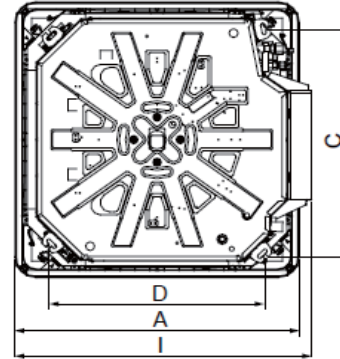
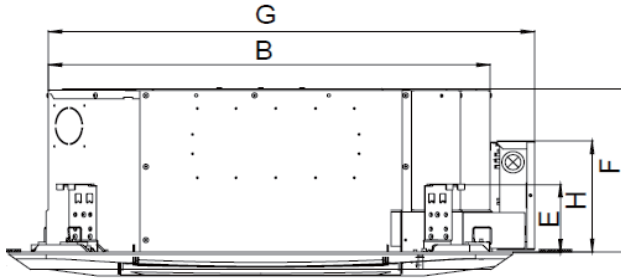


DIMENSIONAL SPECIFICATIONS

TU30HKI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



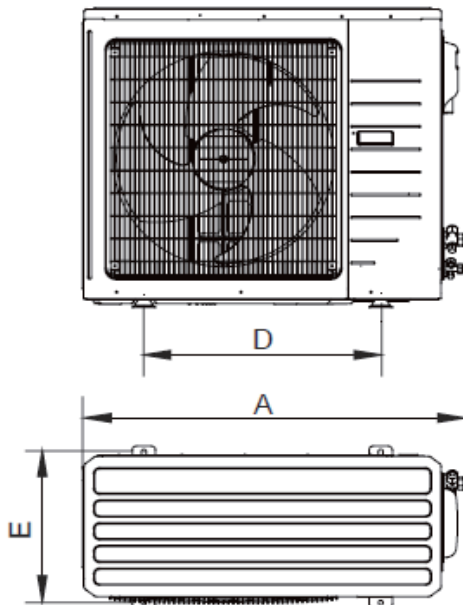
A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

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 Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
2. Power wiring size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.



TOSOT

U-MATCH

36,000 BTUH Ceiling Cassette Heat Pump System

**Model:
TU36HKI**



Item	Unit	Specification
ODU Model	—	TU36H3O
IDU Model	—	TU36HKI
System Ratings		
Cooling Capacity	Btu/h	34,000
Heating Capacity (47°F)	Btu/h	41,000
Heating Capacity (17°F)	Btu/h	23,400
Cooling Capacity Range	Btu/h	10,800-39,000
Heating Capacity Range	Btu/h	9,800-49,500
Cooling Power Input (Max)	W	4,500
Heating Power Input (Max)	W	4,800
SEER	—	16.0
HSPF	—	9.0
EER	W/W	10.4
COP	W/W	3.2
Cooling Operation Range	°F (°C)	0~118.0 (-18.0~48.0)
Heating Operation Range	°F (°C)	0~75.0(-18.0~24.0)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	3/8
Connection Method	—	Flared
Factory Charge	oz	123.2
Additional Charge	oz/ft	0.6
Pre-Charge Length	ft.	25
MAX Refrigerant Pipe Length	ft.	164
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	49
Indoor Unit Data		
Air Flow Volume (Cooling Wet)(Lo/Hi)	CFM	730/1095
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	730/1095
Air Flow Distance (max)	ft	16.4
Sound Pressure Level (Min/Max)	dB(A)	43/49
Dehumidification	pt/hr	1.61
Condensate Drain Lift (Height)	Inch	33
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	1.5
MOCP/Breaker Size	A	15
Communication Wire Size	—	18-2 AWG / 300V THHN
Outdoor Unit Data		
Compressor Type	—	DC Inverter Driven Rotary
Compressor RLA	A	21.2
Refrigerant Type	—	R410A
Fan Motor Power Output	HP	2/9
Fan Motor FLA	A	2.0
Sound Pressure Level(Cooling/Heating)	dB(A)	63/63
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
Power Supply Wire Size	—	8-3 AWG
MCA/ Power Cable Size	A	29.0
MOCP/Breaker Size	A	45

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



Features & Function Summary

TU36HKI

SYSTEM FEATURES

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	Acrylic Resin
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
XK60 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



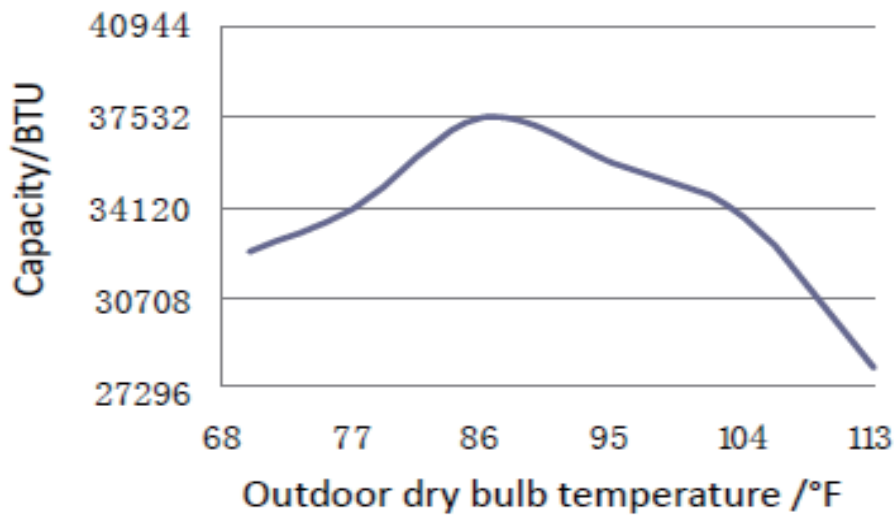


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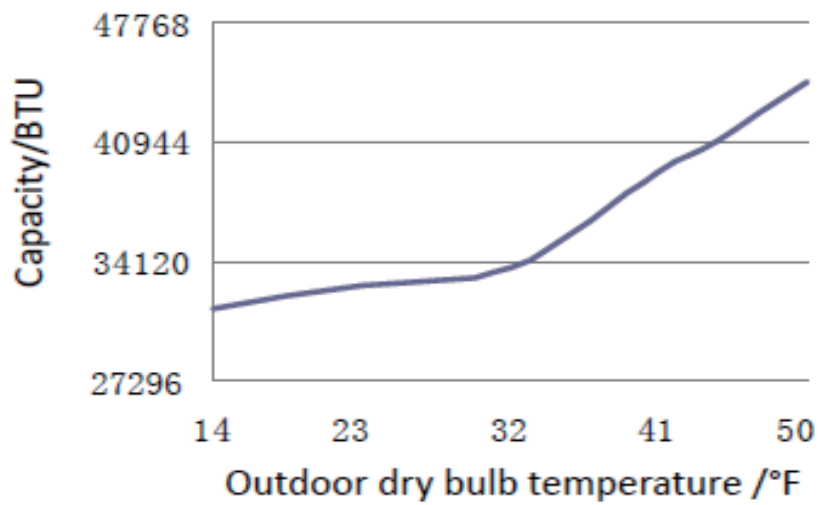
36,000 BTUH Ceiling Cassette Heat Pump System

EXTENDED RATINGS

COOLING PERFORMANCE



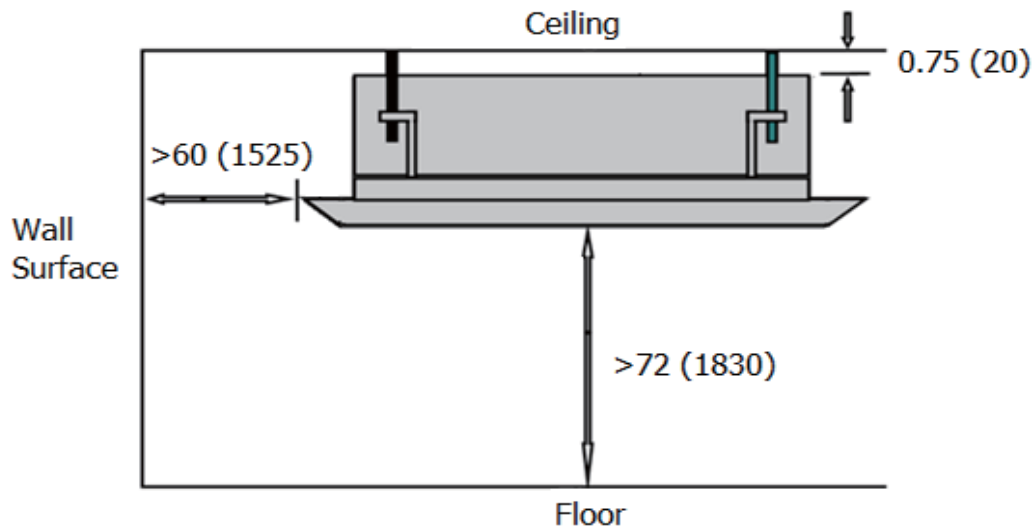
HEATING PERFORMANCE





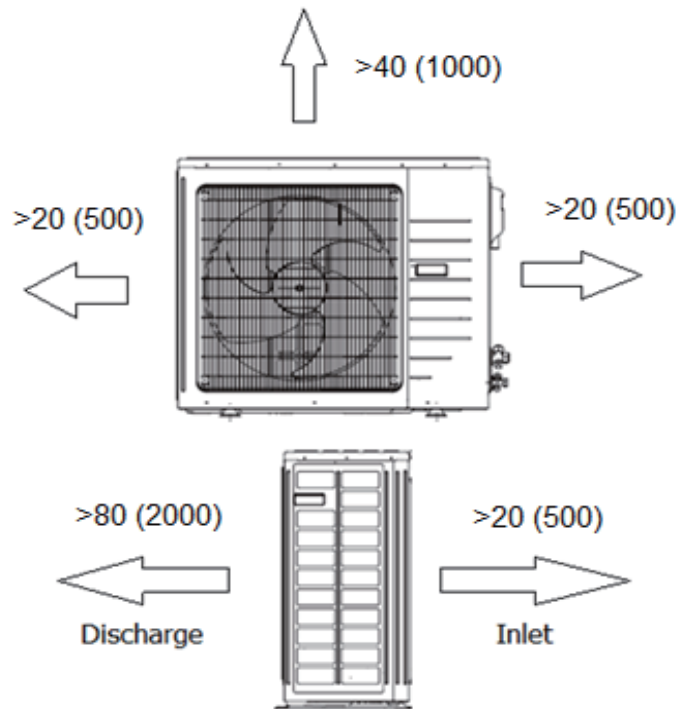
MINIMUM SPACING REQUIREMENTS

INDOOR



Units: inch (mm)

OUTDOOR



Units: inch (mm)

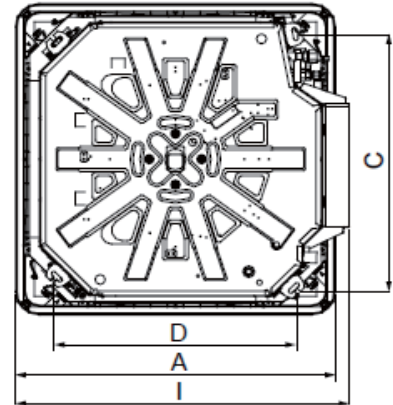
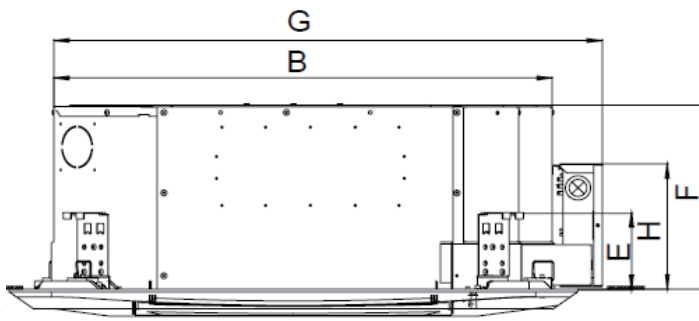


DIMENSIONAL SPECIFICATIONS

TU36HK1

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



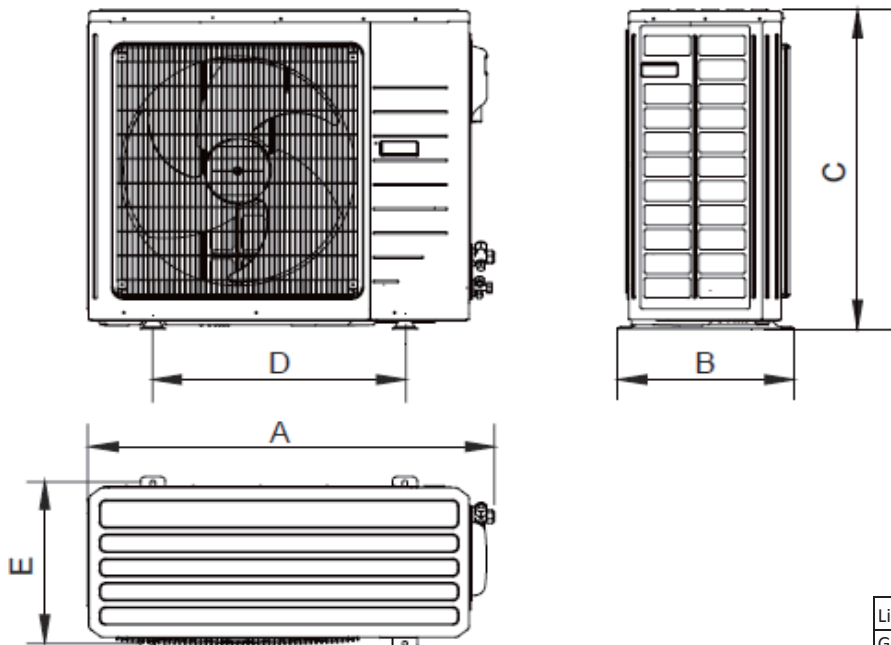
A	B	C	D	E	F	G	H	I
37.375	32.75	30.75	26.75	6.25	9.5	36.125	8.5	39.125
(950)	(833)	(780)	(680)	(160)	(240)	(917)	(215)	(993)

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

Net Weight	70.4 lbs
Shipping Weight	96.8 lbs

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 Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
2. Power wiring 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.



TQSDT

U-MATCH

42,000 BTUH Ceiling Cassette Heat Pump System

**Model:
TU42HKI**



Item	Unit	Specification
ODU Model	—	TU42H3O
IDU Model	—	TU42HKI
System Ratings		
Cooling Capacity	Btu/h	39,500
Heating Capacity (47°F)	Btu/h	44,000
Heating Capacity (17°F)	Btu/h	24,400
Cooling Capacity Range	Btu/h	11,000-41,000
Heating Capacity Range	Btu/h	12,000-51,000
Cooling Power Input (Max)	W	4,650
Heating Power Input (Max)	W	4,800
SEER	—	16.0
HSPF	—	9.0
EER	W/W	9
COP	W/W	2.9
Cooling Operation Range	°F (°C)	0~118.0 (-18.0~48.0)
Heating Operation Range	°F (°C)	0~75.0 (-18.0~24.0)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	3/8
Connection Method	—	Flared
Factory Charge	oz	131.2
Additional Charge	oz/ft	0.6
Pre-Charge Length	ft.	25
MAX Refrigerant Pipe Length	ft.	164
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	49
Indoor Unit Data		
Air Flow Volume (Cooling Wet)(Lo/Hi)	CFM	730/1095
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	730/1095
Air Flow Distance (max)	ft	16.4
Sound Pressure Level (Min/Max)	dB(A)	43/51
Dehumidification	pt/hr	1.75
Condensate Drain Lift (Height)	Inch	33
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	1.5
MOCP/Breaker Size	A	15
Communication Wire Size	—	18-2 AWG / 300V THHN
Outdoor Unit Data		
Compressor Type	—	DC Inverter Driven Rotary
Compressor RLA	A	21.2
Refrigerant Type	—	R410A
Fan Motor Power Output	HP	2 x 1/6
Fan Motor FLA	A	2 x 2.0
Sound Pressure Level(Cooling/Heating)	dB(A)	61/61
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
Power Supply Wire Size	—	8-3 AWG
MCA/ Power Cable Size	A	31.0
MOCP/Breaker Size	A	50

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



Features & Function Summary

TU42HKI

SYSTEM FEATURES

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	Acrylic Resin
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
XK60 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

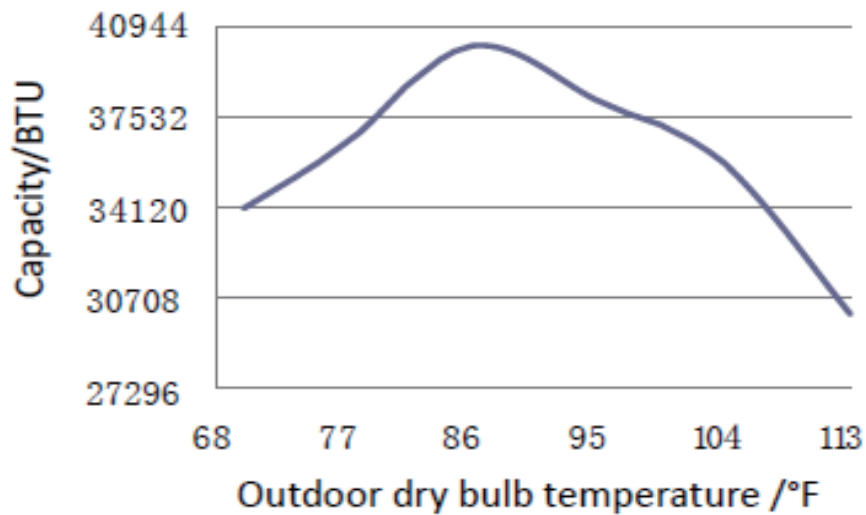
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature 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



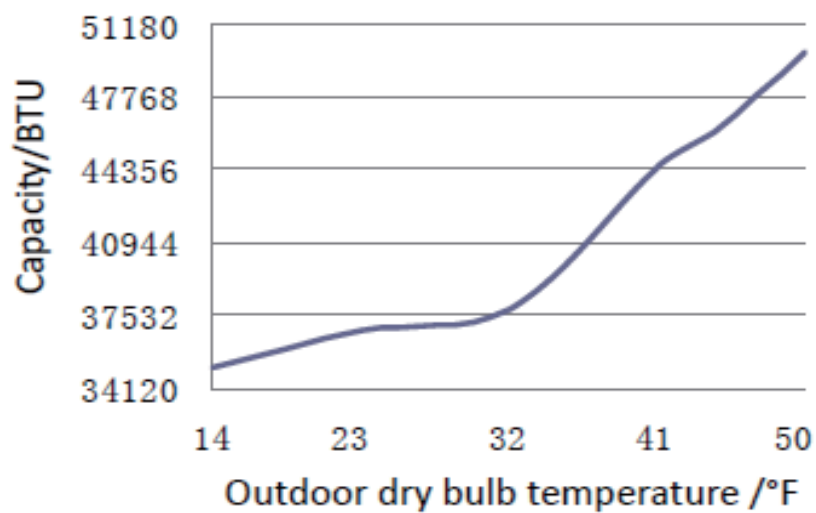


EXTENDED RATINGS

COOLING PERFORMANCE



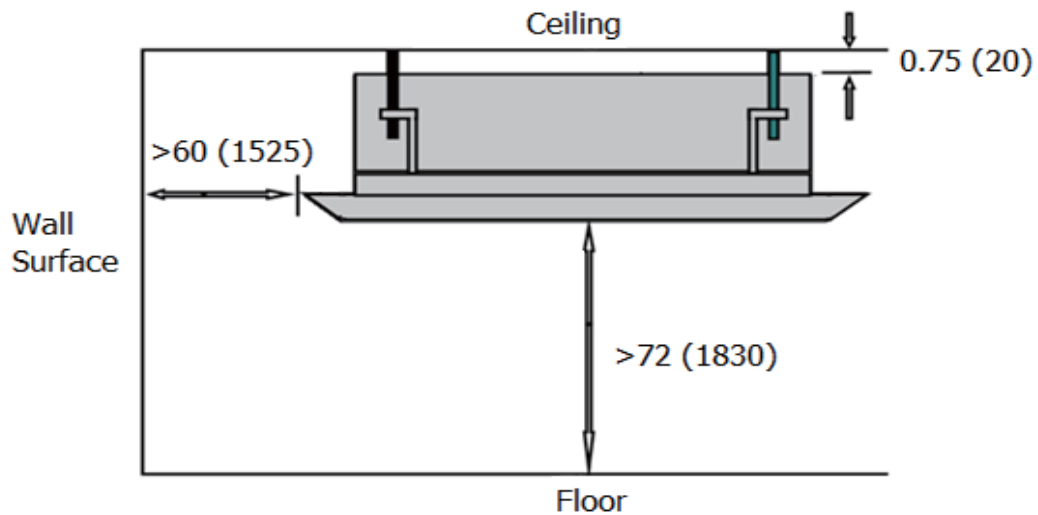
HEATING PERFORMANCE





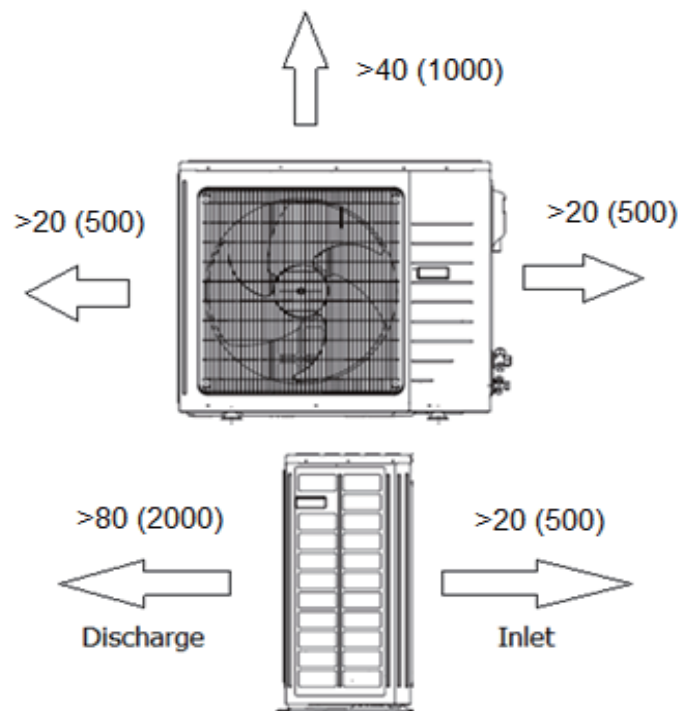
MINIMUM SPACING REQUIREMENTS

INDOOR



Units: inch (mm)

OUTDOOR



Units: inch (mm)

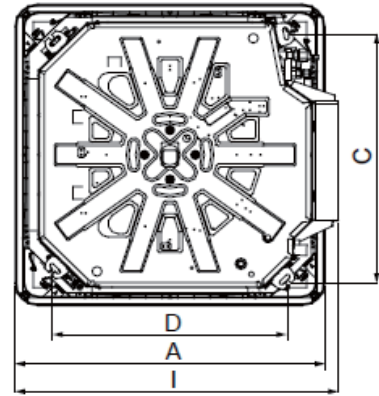
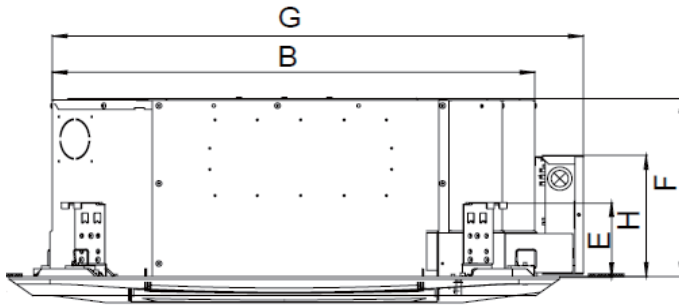


DIMENSIONAL SPECIFICATIONS

TU42HK1

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS

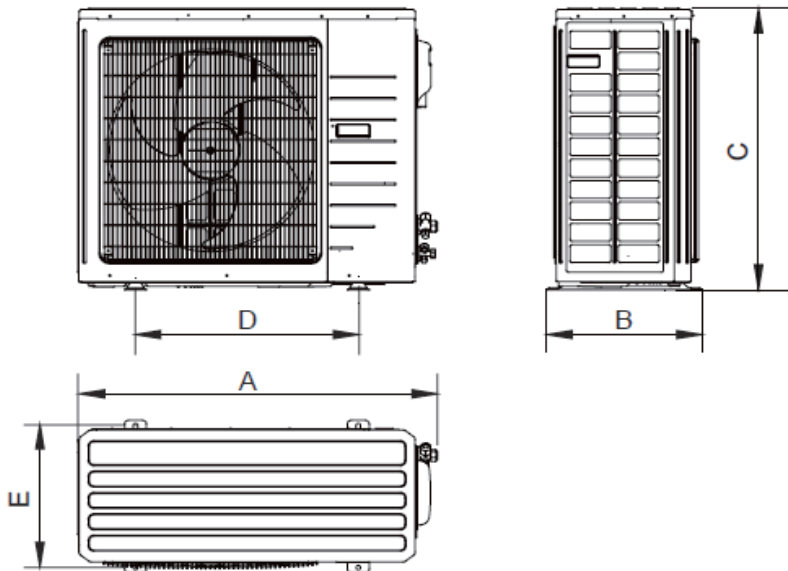


A	B	C	D	E	F	G	H	I
37.375 (950)	32.75 (833)	30.75 (780)	26.75 (680)	6.25 (160)	9.5 (240)	36.125 (917)	8.5 (215)	39.125 (993)

Net Weight	70.4 lbs	Liquid Line Valve	3/8-in OD Flared
Shipping Weight	96.8 lbs	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 Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
2. Power wiring size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.

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TQSDT

U-MATCH

48,000 BTUH Ceiling Cassette Heat Pump System

**Model:
TU48HKI**



Item	Unit	Specification
ODU Model	—	TU48H3O
IDU Model	—	TU48HKI
System Ratings		
Cooling Capacity	Btu/h	48,000
Heating Capacity (47°F)	Btu/h	54,500
Heating Capacity (17°F)	Btu/h	27,600
Cooling Capacity Range	Btu/h	20,400-50,500
Heating Capacity Range	Btu/h	17,500-61,500
Cooling Power Input (Max)	W	5,700
Heating Power Input (Max)	W	5,400
SEER	—	16.0
HSPF	—	9.0
EER	W/W	8.7
COP	W/W	3.3
Cooling Operation Range	°F(°C)	0~118.0 (-18.0~48.0)
Heating Operation Range	°F(°C)	0~75.0(-18.0~24.0)
Gas Pipe Size (OD)	Inch	5/8
Liquid Pipe Size (OD)	Inch	3/8
Connection Method	—	Flared
Factory Charge	oz	140.8
Additional Charge	oz/ft	0.6
Pre-Charge Length	ft.	25
MAX Refrigerant Pipe Length	ft.	230
Min Refrigerant Pipe Length	ft.	10
MAX Refrigerant Pipe Elevation	ft.	49
Indoor Unit Data		
Air Flow Volume (Cooling Wet)(Lo/Hi)	CFM	900/1350
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	900/1350
Air Flow Distance (max)	ft	19.7
Sound Pressure Level (Min/Max)	dB(A)	41/53
Dehumidication	pt/hr	2.13
Condensate Drain Lift (Height)	Inch	33
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	2.0
MOCP/Breaker Size	A	15
Communication Wire Size	—	18-2 AWG / 300V THHN
Outdoor Unit Data		
Compressor Type	—	DC Inverter Driven Rotary
Compressor RLA	A	35.5
Refrigerant Type	—	R410A
Fan Motor Power Output	HP	2 x 1/6
Fan Motor FLA	A	2 x 2.0
Sound Pressure Level(Cooling/Heating)	dB(A)	59/59
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
Power Supply Wire Size	—	8-3 AWG
MCA/ Power Cable Size	A	45.0
MOCP/Breaker Size	A	70

Job Name:

Schedule Reference:

Date:

Specification are subject to change without notice.



Features & Function Summary

TU48HKI

SYSTEM FEATURES

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	Acrylic Resin
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
XK60 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

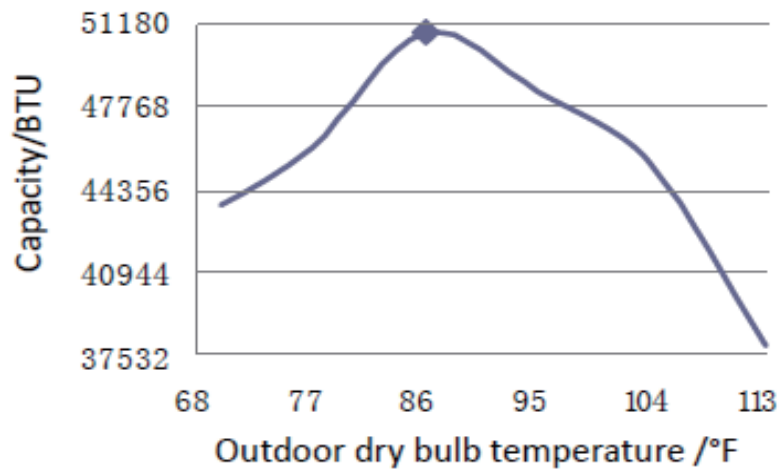
Auto Mode	YES
Auto Fan	YES
Auto Swing (Horizontal Auto Swing)	YES
Auto Swing (Vertical Auto Swing)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	YES
Room Temperature 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



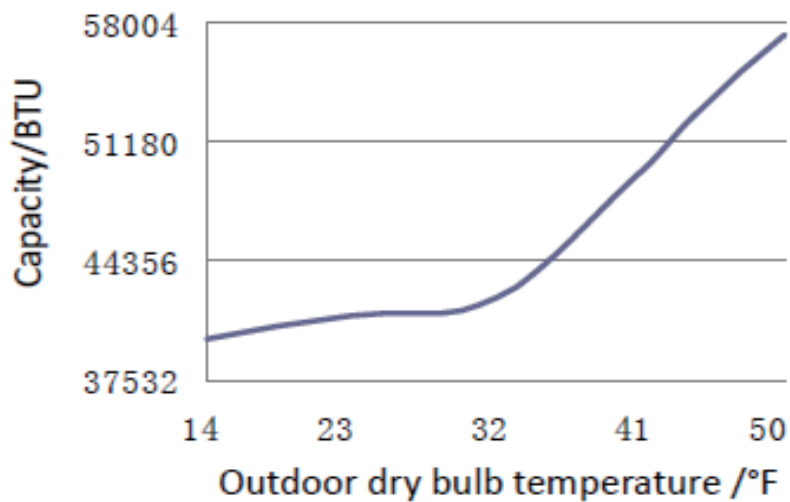


EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE



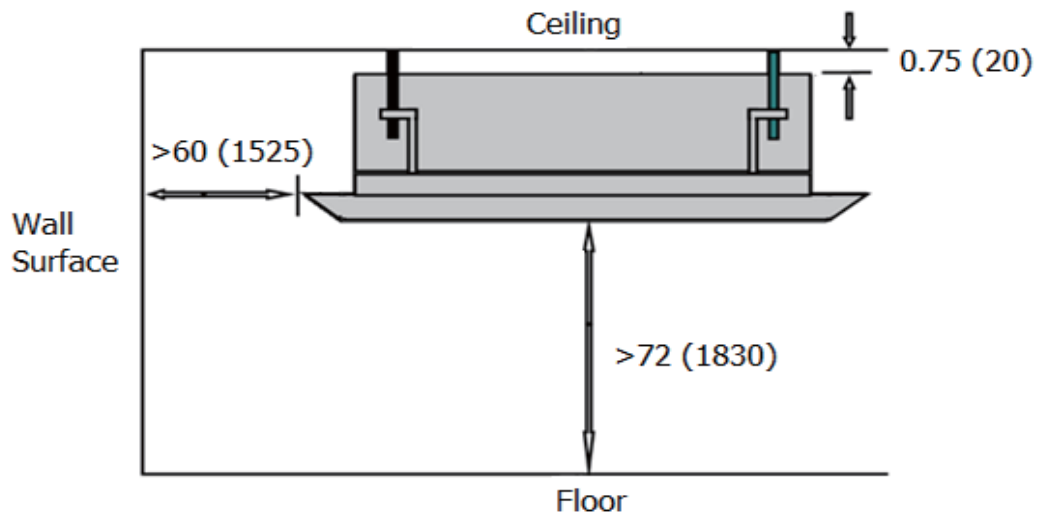


Submittal Data: TU48HK1

48,000 BTUH Ceiling Cassette Heat Pump System

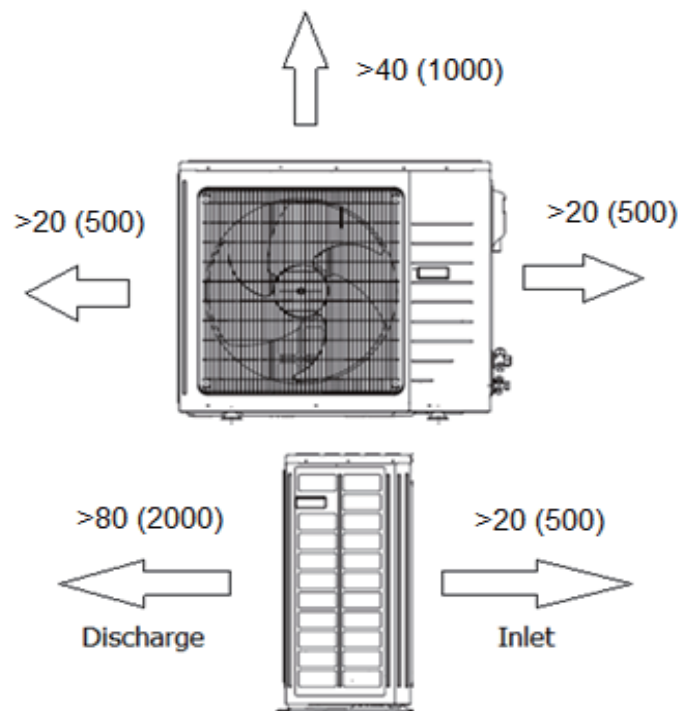
MINIMUM SPACING REQUIREMENTS

INDOOR



Units: inch (mm)

OUTDOOR



Units: inch (mm)

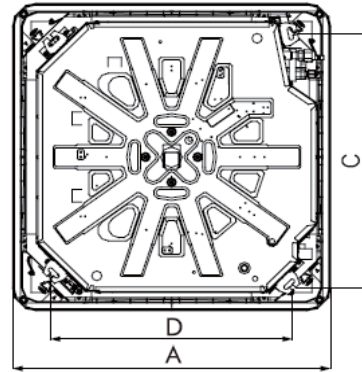
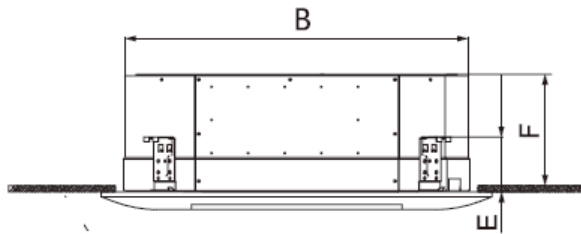


DIMENSIONAL SPECIFICATIONS

TU48HKI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS

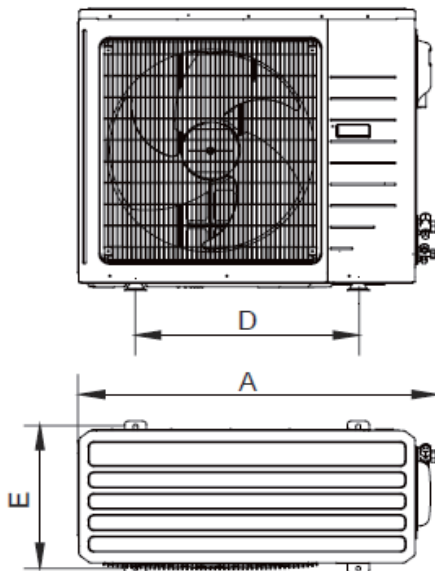


A	B	C	D	E	F
41.0	37.875	33.125	31.0	6.75	11.375
1040	910	842	788	170	290

Net Weight	94.6 lbs	Liquid Line Valve	3/8-in OD Flared
Shipping Weight	110.0 lbs	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 Wire Type 18-2 AWG Stranded Copper THHN 300V Wire
2. Power wiring size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.