

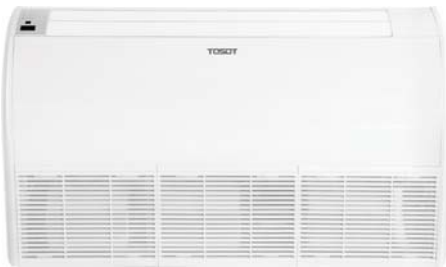


TQSDT

U-MATCH

18,000 BTUH Floor/Ceiling Heat Pump System

**Model:
TU18HTI**



Item	Unit	Specification
ODU Model	—	TU18H30
IDU Model	—	TU18HTI
System Ratings		
Cooling Capacity	Btu/h	17,100
Heating Capacity (47°F)	Btu/h	19,100
Heating Capacity (17°F)	Btu/h	10,900
Cooling Capacity Range	Btu/h	5,400-19,800
Heating Capacity Range	Btu/h	4,700-23,200
Cooling Power Input (Max)	W	1,750
Heating Power Input (Max)	W	1,900
SEER	—	17.0
HSPF	—	9.5
EER	W/W	11.0
COP	W/W	3.6
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	0.6
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	431/585
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	431/585
Sound Pressure Level (Min/Max)	dB(A)	32/42
Dehumidication	pt/hr	0.76
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	12.0
Refrigerant Type	—	R410A
Fan Motor Power Output	HP	1/6
Fan Motor FLA	A	1.5
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.



Features & Function Summary

TU18HTI

SYSTEM FEATURES

Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	NO
Compressor With Electric Heater	YES
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 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

WIRED CONTROLLER FUNCTIONS

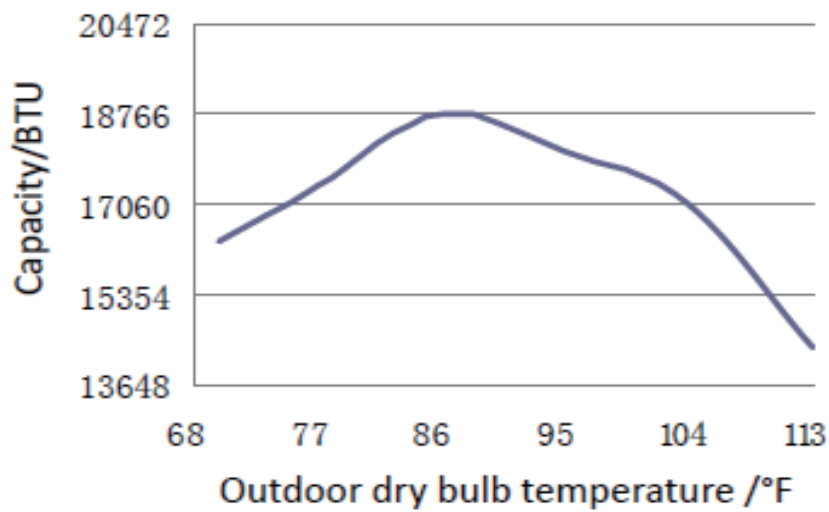
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES



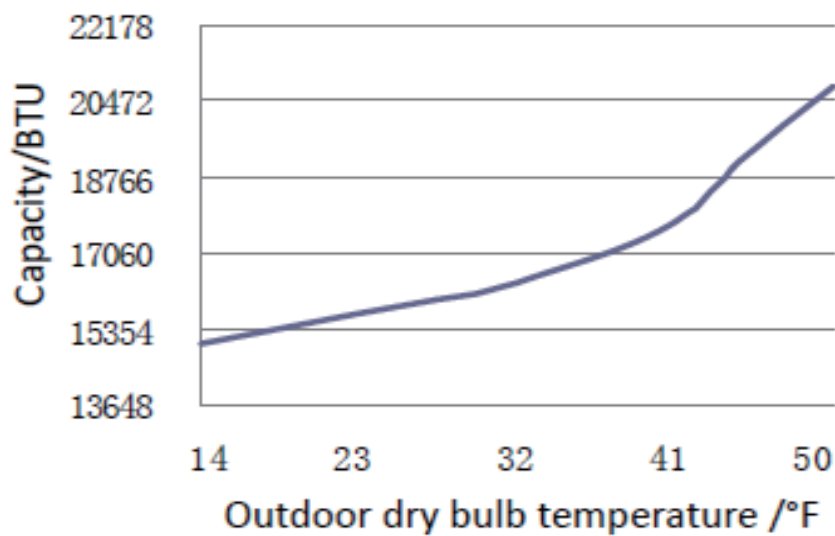


EXTENDED RATINGS

COOLING PERFORMANCE



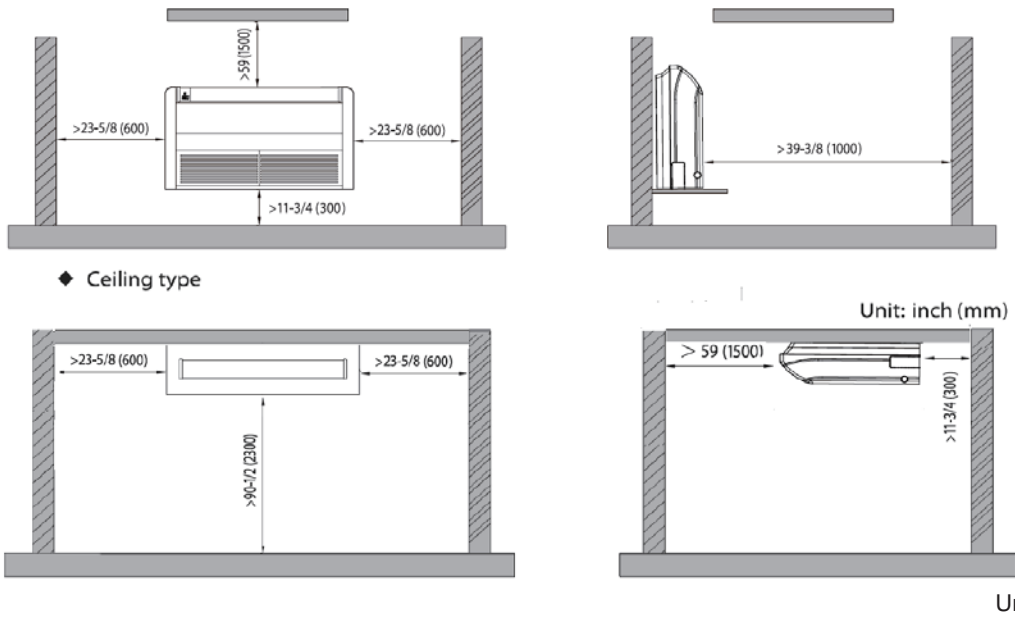
HEATING PERFORMANCE



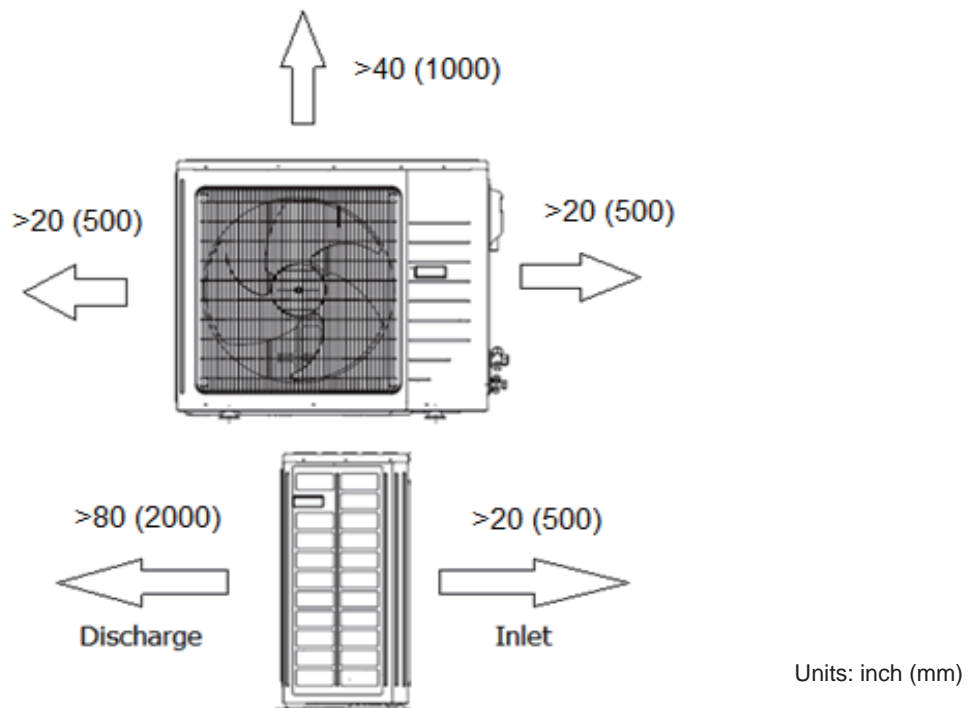


MINIMUM SPACING REQUIREMENTS

INDOOR



OUTDOOR



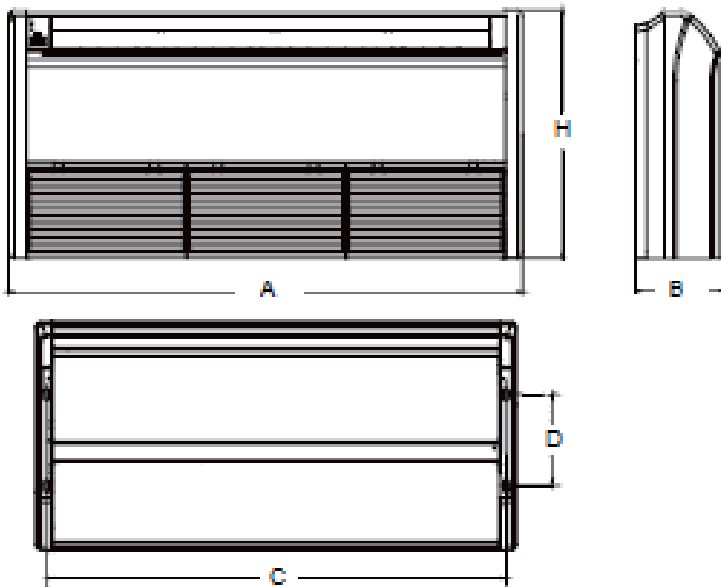


DIMENSIONAL SPECIFICATIONS

TU18HTI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



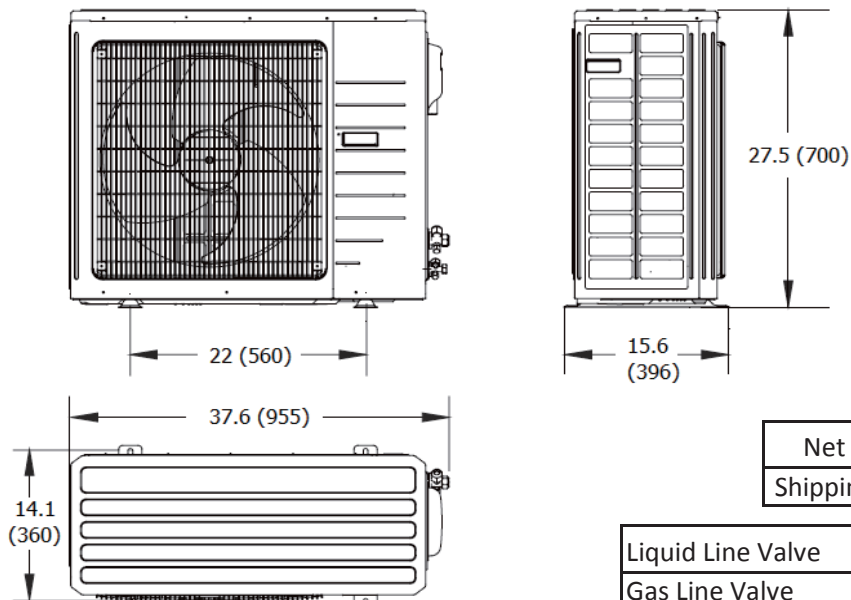
A	48	(1220)
B	8.875	(225)
C	45.625	(1158)
D	11	(280)
H	27.5	(700)

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

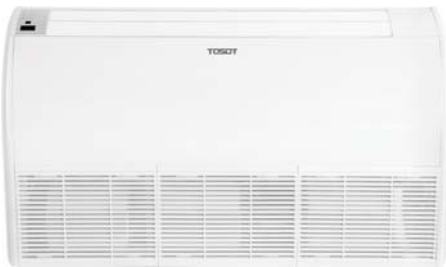


TQSDT

U-MATCH

18,000 BTUH Floor/Ceiling Heat Pump System

**Model:
TU24HTI**



Item	Unit	Specification
ODU Model	—	TU24H3O
IDU Model	—	TU24HTI
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	8,200-27,800
Heating Capacity Range	Btu/h	8,200-30,600
Cooling Power Input (Max)	W	2,500
Heating Power Input (Max)	W	2,750
SEER	—	16.0
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	490/705
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	490/705
Sound Pressure Level (Min/Max)	dB(A)	40/48
Dehumidification	pt/hr	0.99
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.



Features & Function Summary

TU24HTI

SYSTEM FEATURES

Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	NO
Compressor With Electric Heater	YES
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 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

WIRED CONTROLLER FUNCTIONS

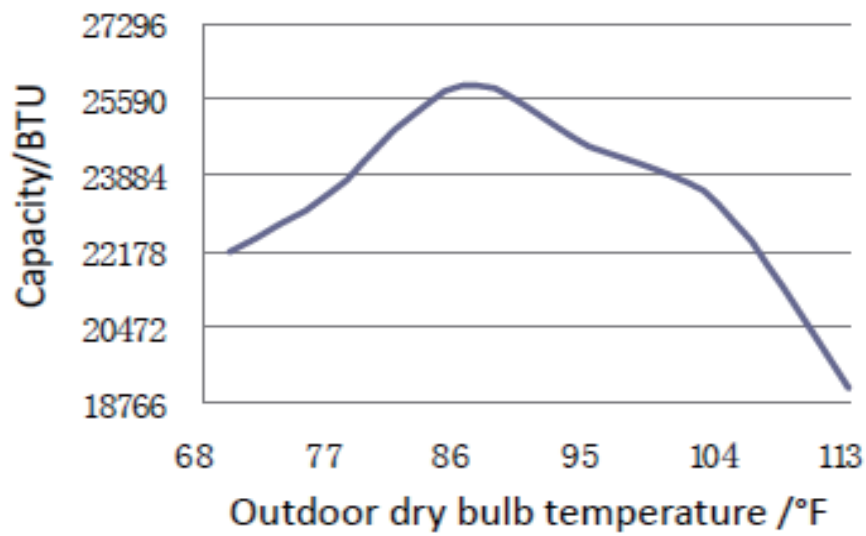
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES



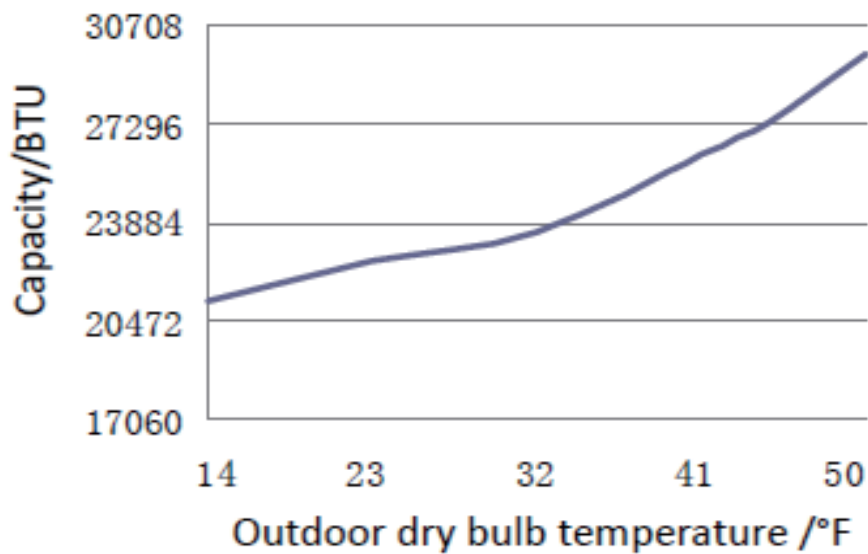


EXTENDED RATINGS

COOLING PERFORMANCE



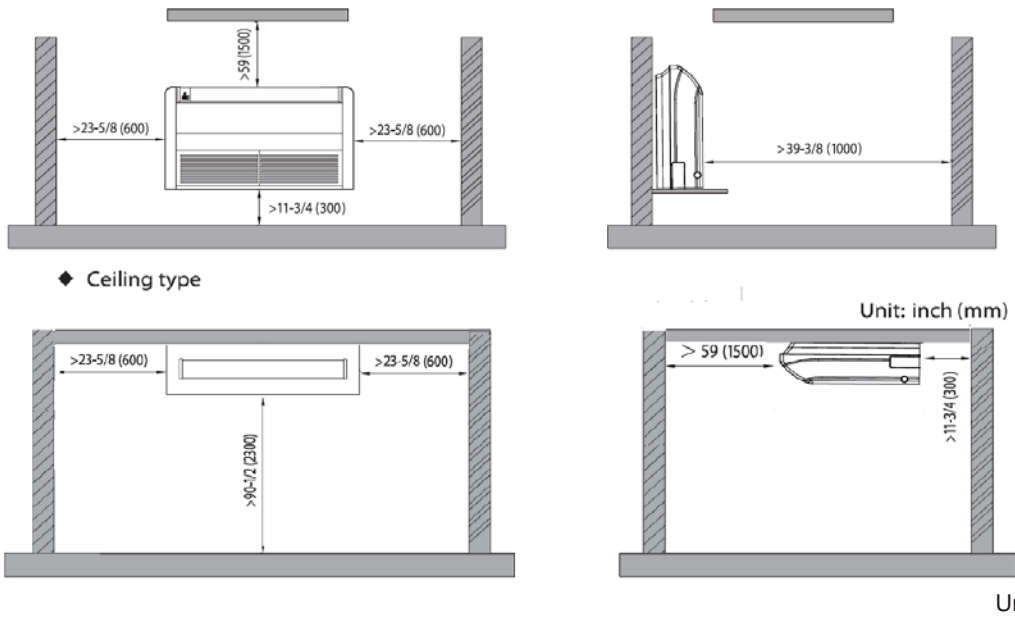
HEATING PERFORMANCE



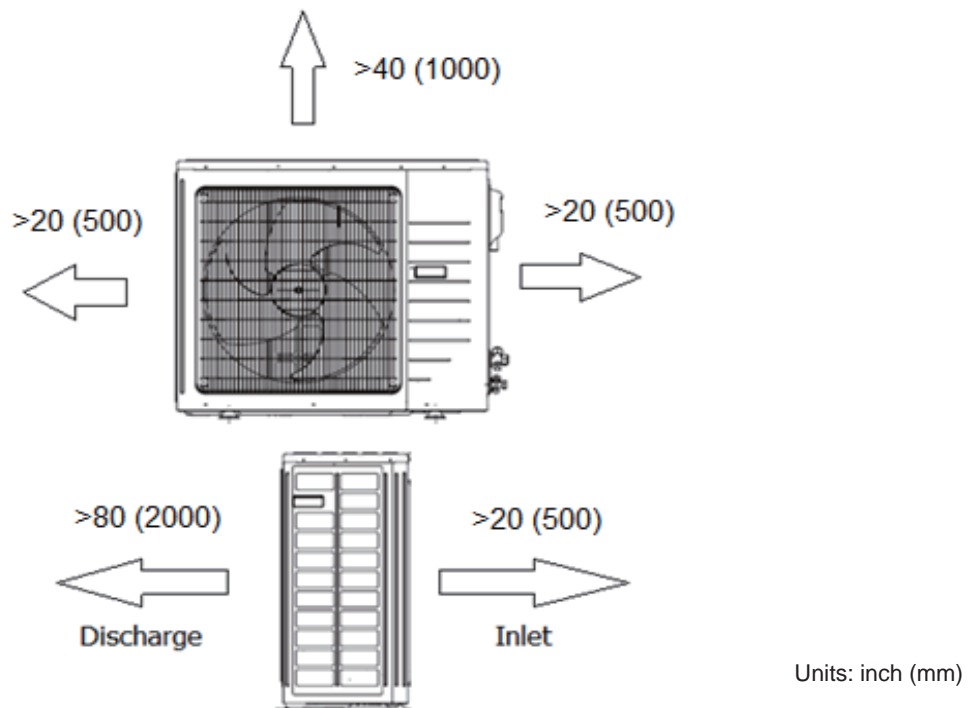


MINIMUM SPACING REQUIREMENTS

INDOOR



OUTDOOR



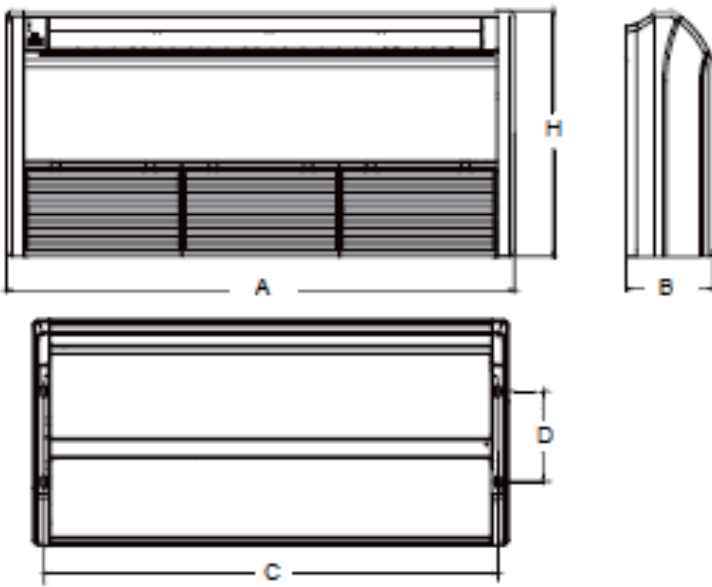


DIMENSIONAL SPECIFICATIONS

TU24HTI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



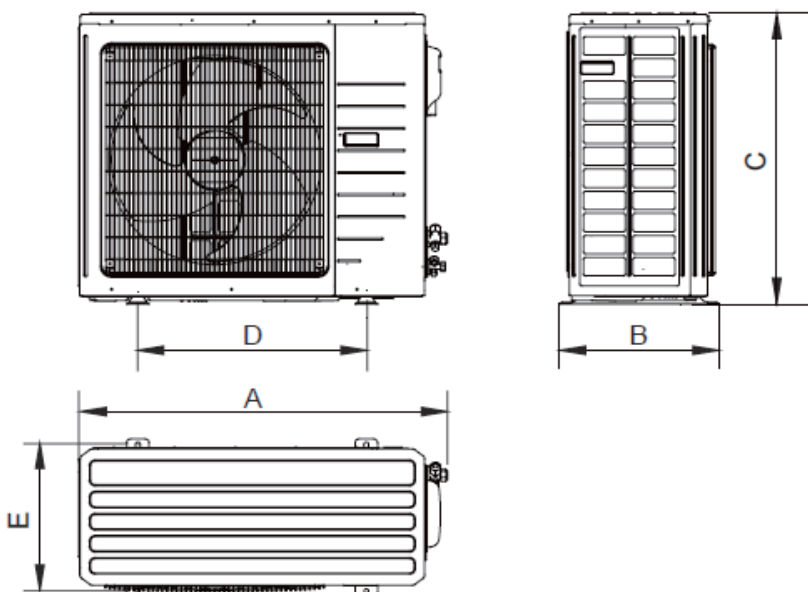
A	48	(1220)
B	8.875	(225)
C	45.625	(1158)
D	11	(280)
H	27.5	(700)

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



TQSOOT

U-MATCH

30,000 BTUH Floor/Ceiling Heat Pump System

**Model:
TU30HTI**



Item	Unit	Specification
ODU Model	—	TU30H3O
IDU Model	—	TU30HTI
System Ratings		
Cooling Capacity	Btu/h	28,200
Heating Capacity (47°F)	Btu/h	31,200
Heating Capacity (17°F)	Btu/h	18,000
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	—	17.0
HSPF	—	9.0
EER	W/W	10.4
COP	W/W	3.5
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	620/880
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	620/880
Sound Pressure Level (Min/Max)	dB(A)	38/46
Dehumidification	pt/hr	1.23
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	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	—	10-3 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.



Features & Function Summary

TU30HTI

SYSTEM FEATURES

Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	NO
Compressor With Electric Heater	YES
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 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

WIRED CONTROLLER FUNCTIONS

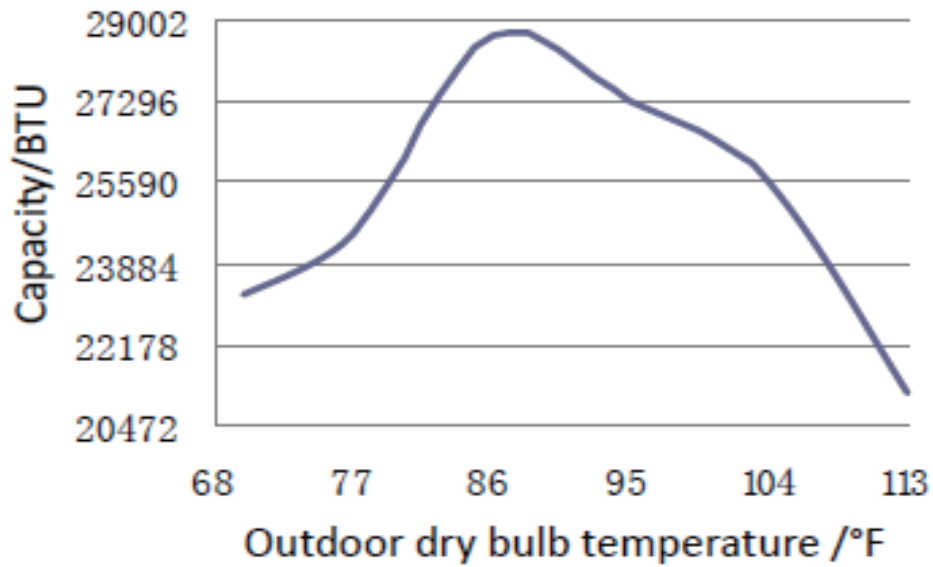
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES



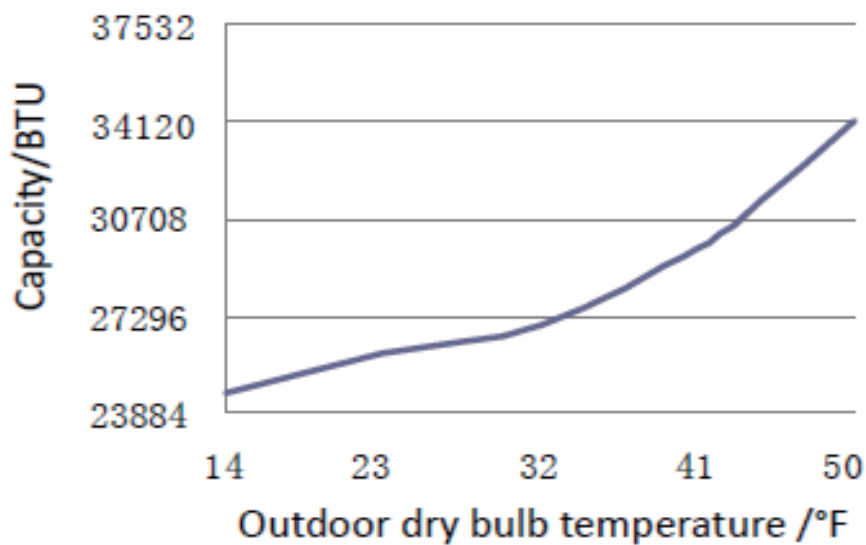


EXTENDED RATINGS

COOLING PERFORMANCE



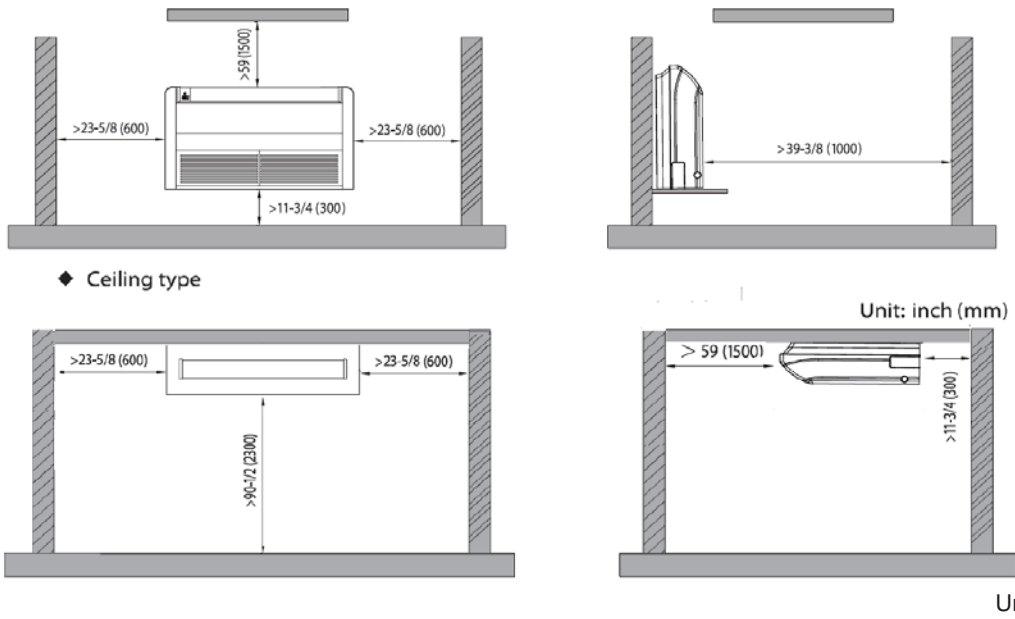
HEATING PERFORMANCE



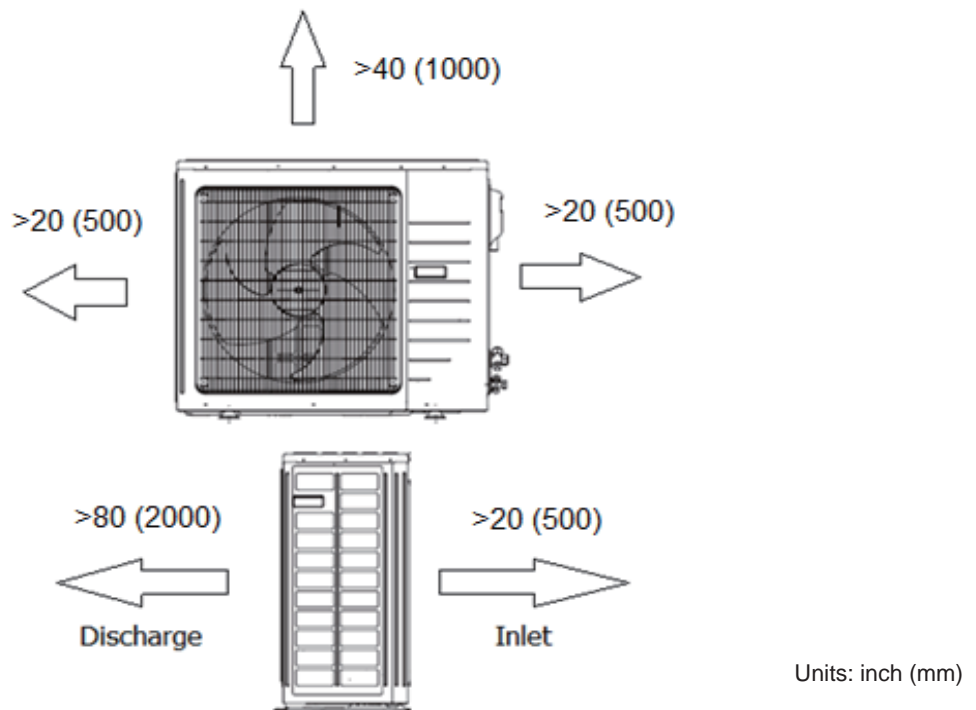


MINIMUM SPACING REQUIREMENTS

INDOOR



OUTDOOR



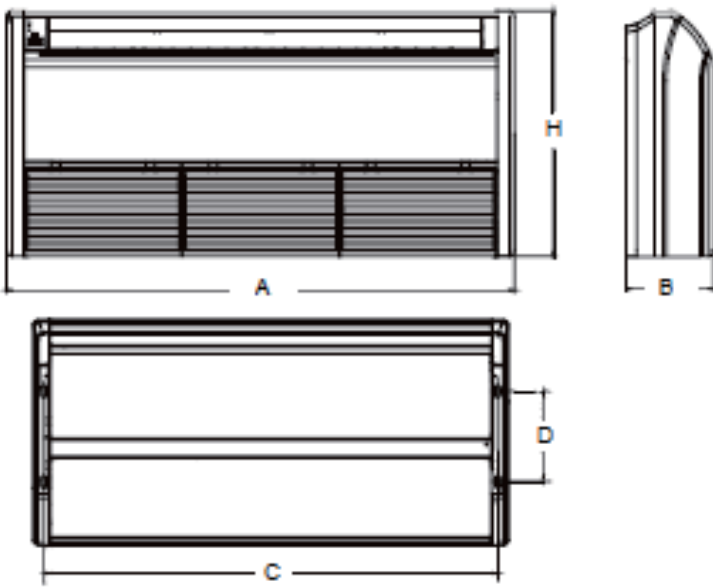


DIMENSIONAL SPECIFICATIONS

TU30HTI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



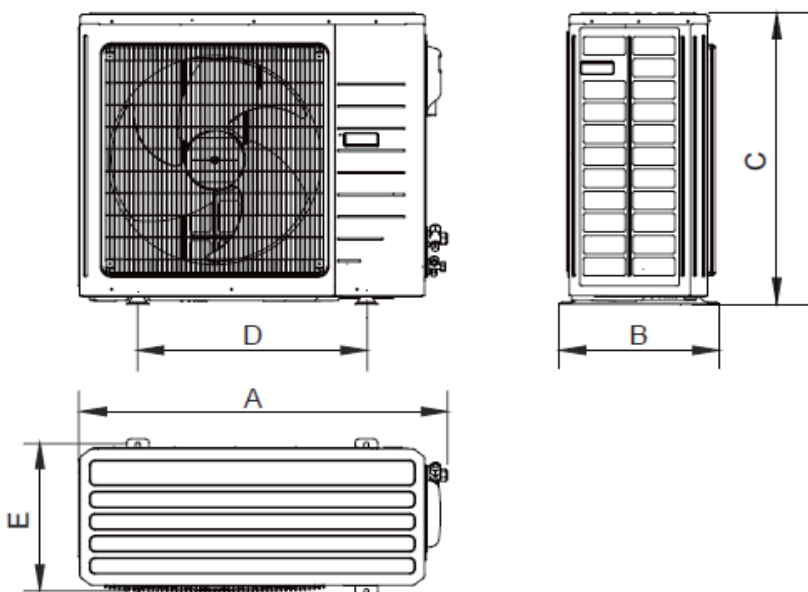
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

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

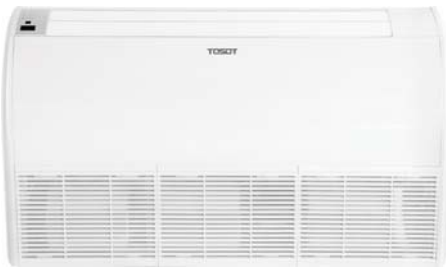


TQSDT

U-MATCH

36,000 BTUH Floor/Ceiling Heat Pump System

**Model:
TU36HTI**



Item	Unit	Specification
ODU Model	—	TU36H3O
IDU Model	—	TU36HTI
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	4,600
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	800/1115
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	800/1115
Sound Pressure Level (Min/Max)	dB(A)	46/53
Dehumidification	pt/hr	1.51
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	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

TU36HTI

SYSTEM FEATURES

Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	NO
Compressor With Electric Heater	YES
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 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

WIRED CONTROLLER FUNCTIONS

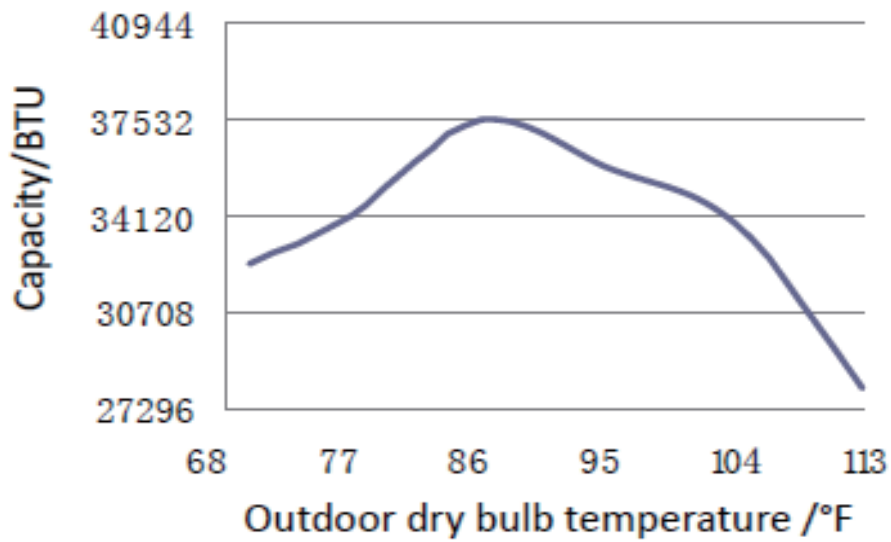
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES



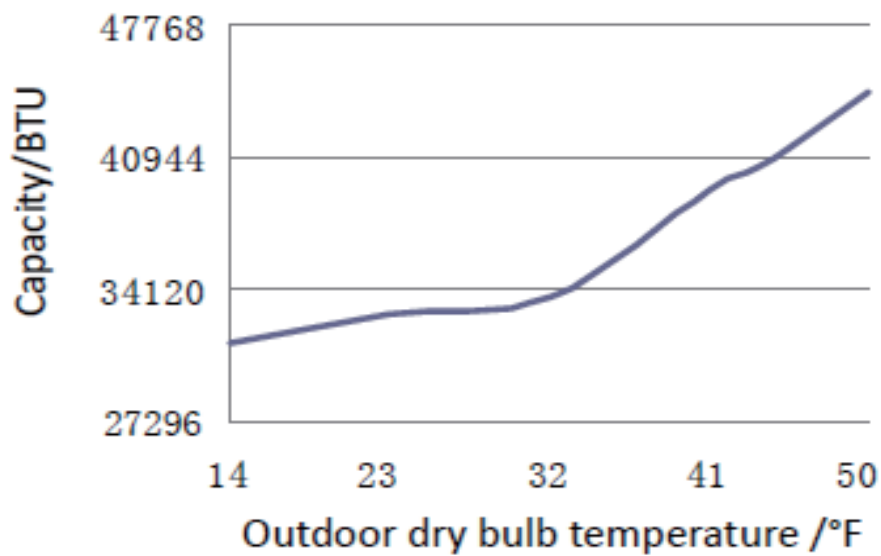


EXTENDED RATINGS

COOLING PERFORMANCE



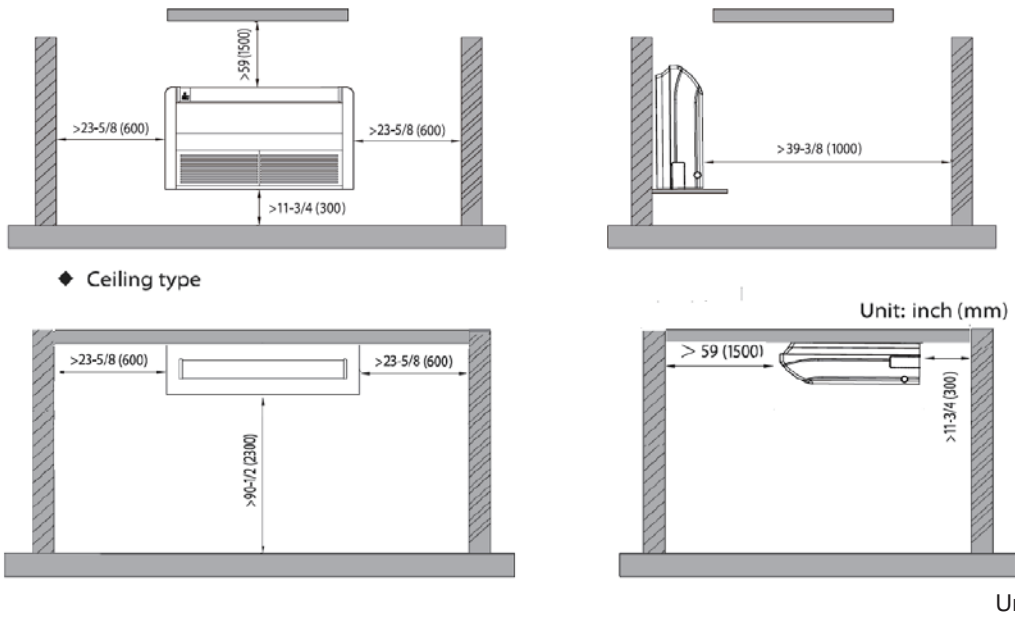
HEATING PERFORMANCE



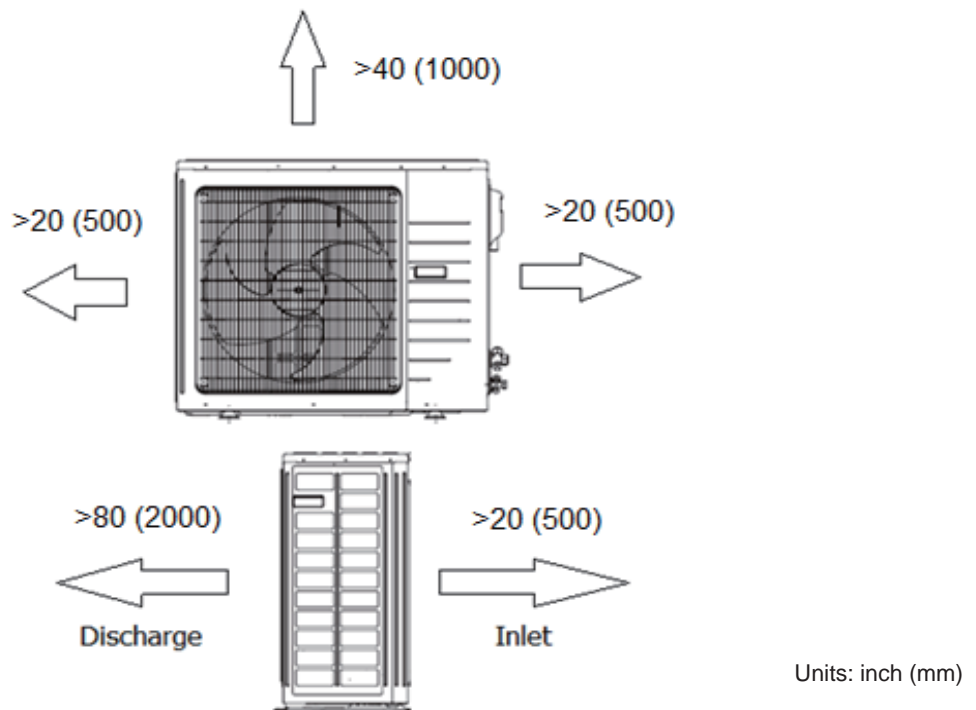


MINIMUM SPACING REQUIREMENTS

INDOOR



OUTDOOR



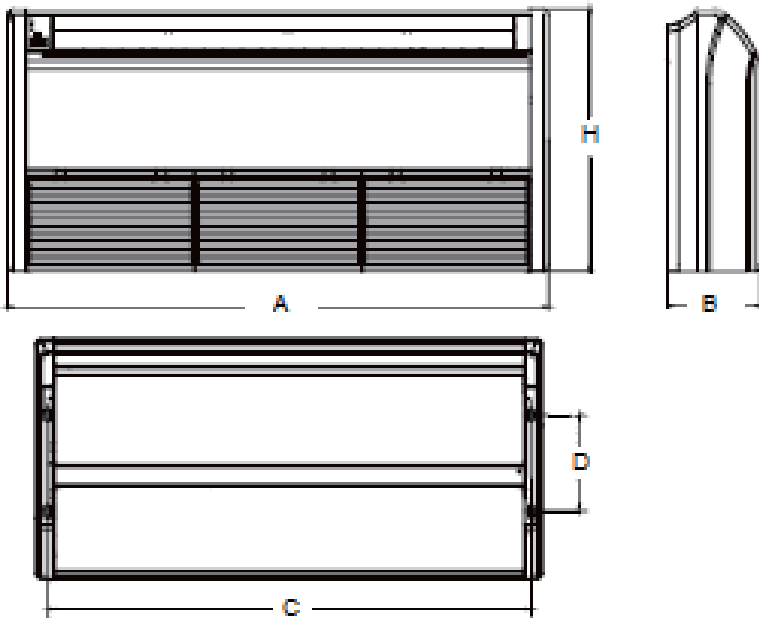


DIMENSIONAL SPECIFICATIONS

TU36HTI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



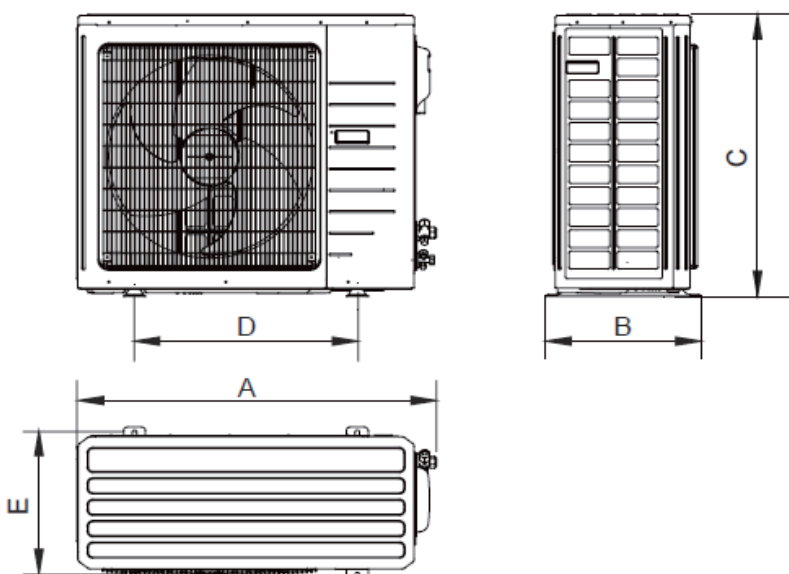
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

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



TOSOT

U-MATCH

42,000 BTUH Floor/Ceiling Heat Pump System

**Model:
TU42HTI**



Item	Unit	Specification
ODU Model	—	TU42H3O
IDU Model	—	TU42HTI
System Ratings		
Cooling Capacity	Btu/h	39,500
Heating Capacity (47°F)	Btu/h	44,000
Heating Capacity (17°F)	Btu/h	24,800
Cooling Capacity Range	Btu/h	12,000-42,500
Heating Capacity Range	Btu/h	13,000-52,500
Cooling Power Input (Max)	W	4,700
Heating Power Input (Max)	W	4,800
SEER	—	16.0
HSPF	—	9.0
EER	W/W	9.8
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	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	767/1115
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	767/1115
Sound Pressure Level (Min/Max)	dB(A)	47/54
Dehumidification	pt/hr	1.61
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	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

TU42HTI

SYSTEM FEATURES

Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	NO
Compressor With Electric Heater	YES
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 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

WIRED CONTROLLER FUNCTIONS

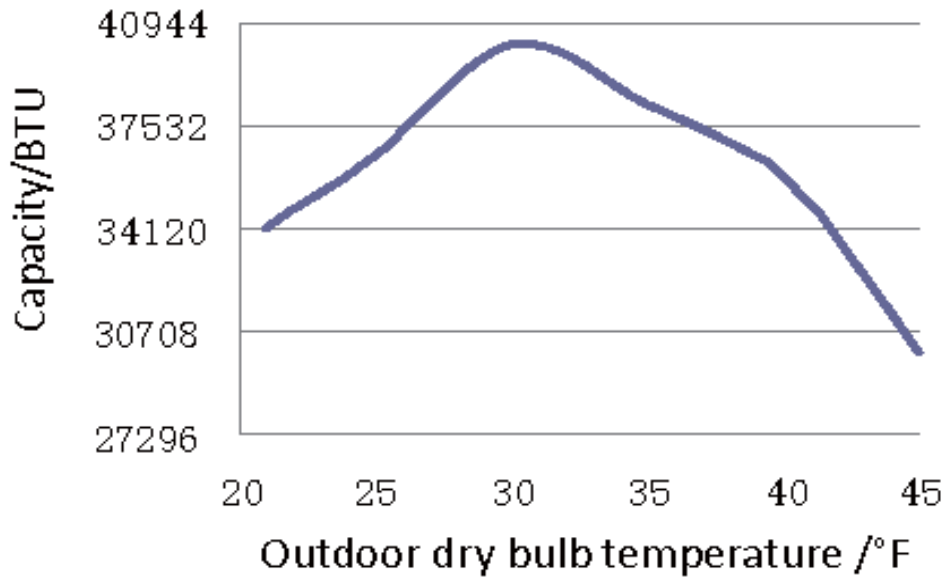
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES



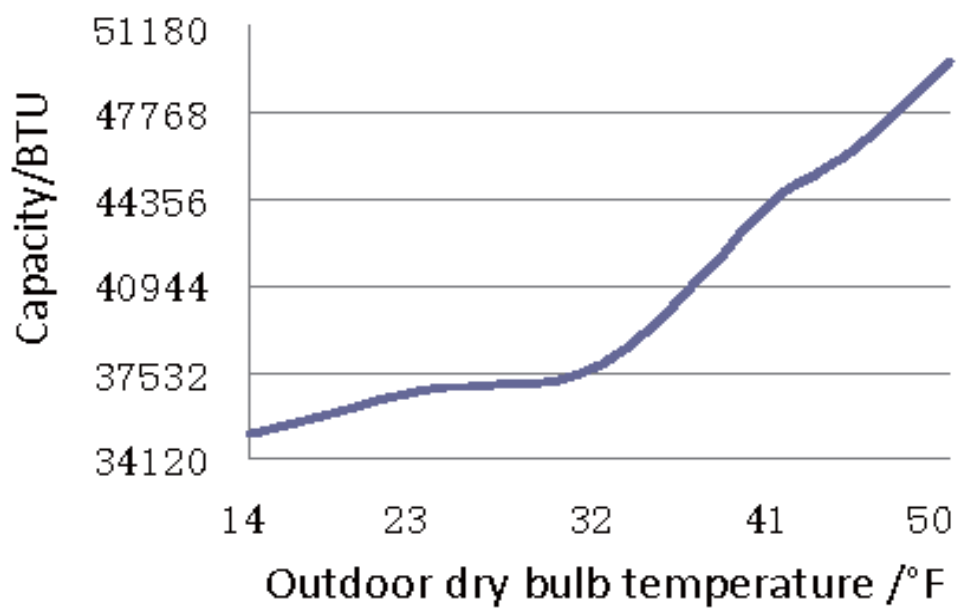


EXTENDED RATINGS

COOLING PERFORMANCE



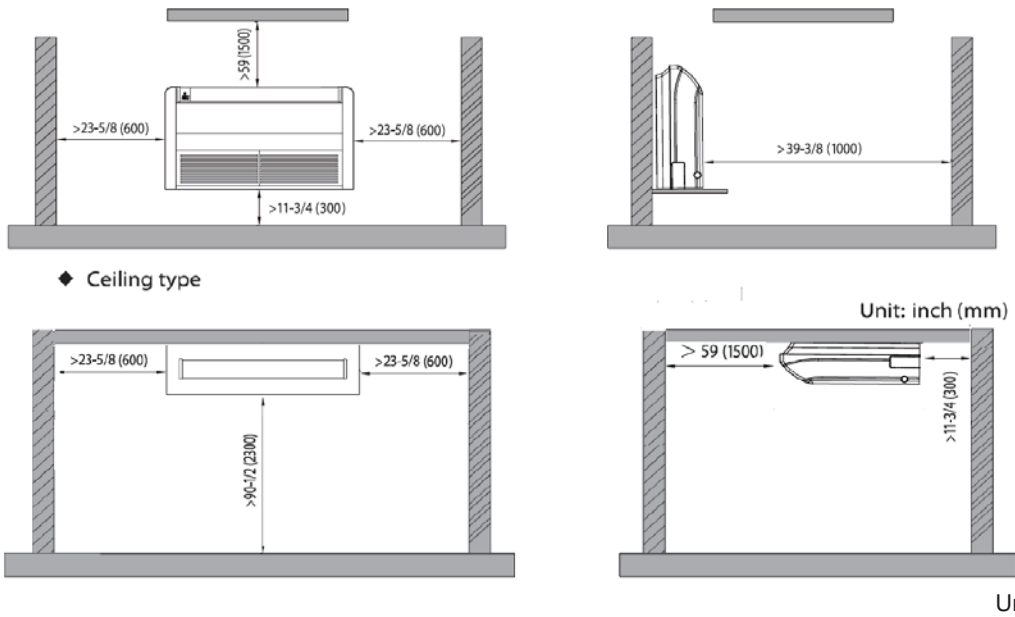
HEATING PERFORMANCE



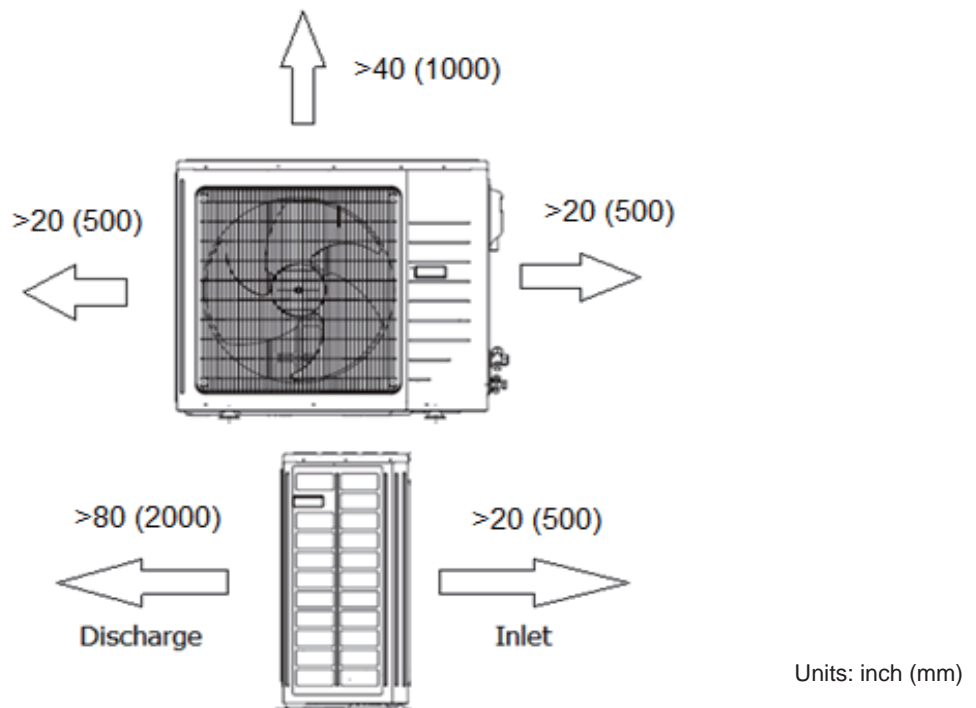


MINIMUM SPACING REQUIREMENTS

INDOOR



OUTDOOR



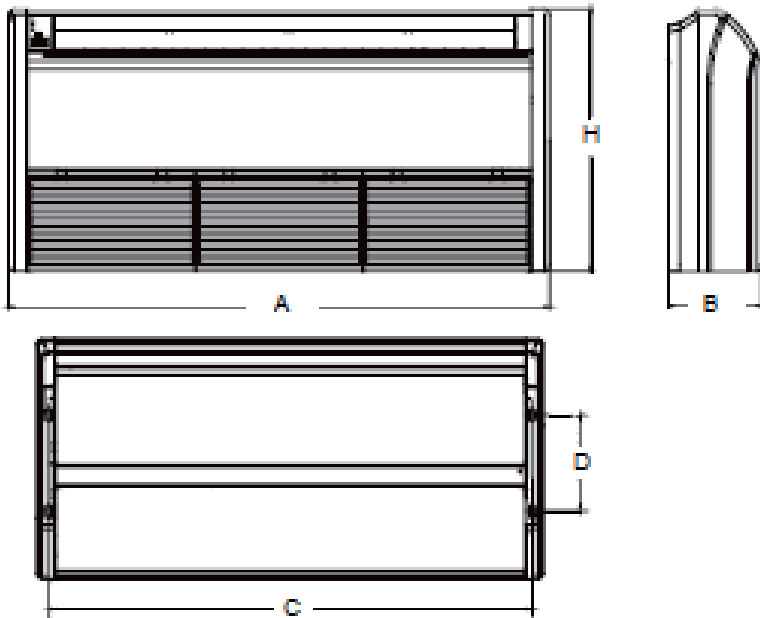


DIMENSIONAL SPECIFICATIONS

TU42HTI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



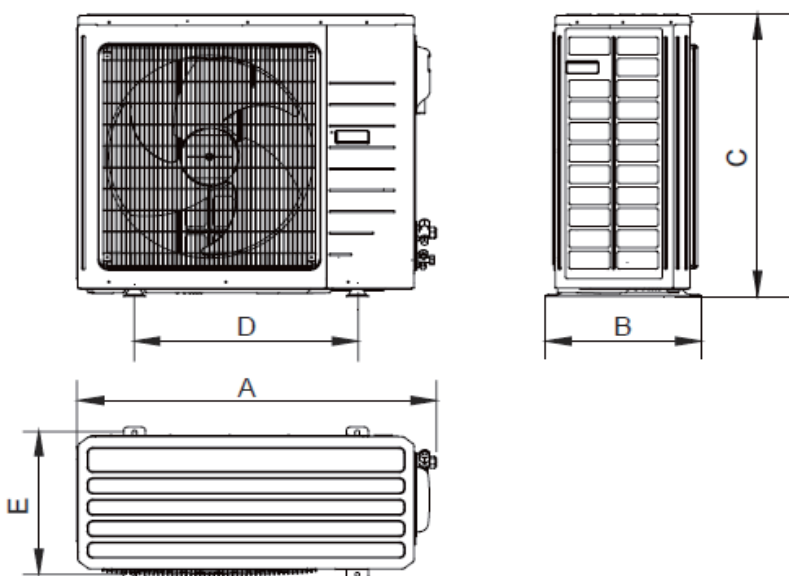
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

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

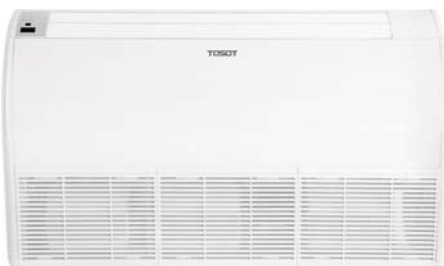


TOSOT

U-MATCH

48,000 BTUH Floor/Ceiling Heat Pump System

**Model:
TU48HTI**



Item	Unit	Specification
ODU Model	—	TU48H3O
IDU Model	—	TU48HTI
System Ratings		
Cooling Capacity	Btu/h	48,000
Heating Capacity (47°F)	Btu/h	54,500
Heating Capacity (17°F)	Btu/h	28,600
Cooling Capacity Range	Btu/h	20,400-50,500
Heating Capacity Range	Btu/h	17,500-61,500
Cooling Power Input (Max)	W	5,500
Heating Power Input (Max)	W	5,400
SEER	—	16.0
HSPF	—	9.0
EER	W/W	8.7
COP	W/W	3.5
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	935/1350
Air Flow Volume (Heating Dry)(Lo/Hi)	CFM	935/1350
Sound Pressure Level (Min/Max)	dB(A)	46/55
Dehumidification	pt/hr	1.99
Power Supply	—	208/230 V, 1 Phase, 60 Hz
Min/Max Voltage	V	187 - 253
MCA/ Power Cable Size	A	3.0
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

TU48HTI

SYSTEM FEATURES

Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	NO
Compressor With Electric Heater	YES
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 (Opt) Wired Controller Interface	YES
Wi-Fi Interface	NO
Indoor Fan Type	Centrifugal
Multi Fan Speeds	3 Speeds
LED Display Indoor Unit	YES
Advance Filter	NO
Auxiliary Electrical Heater	NO
Ventilation (Outdoor Air)	Optional

WIRED CONTROLLER FUNCTIONS

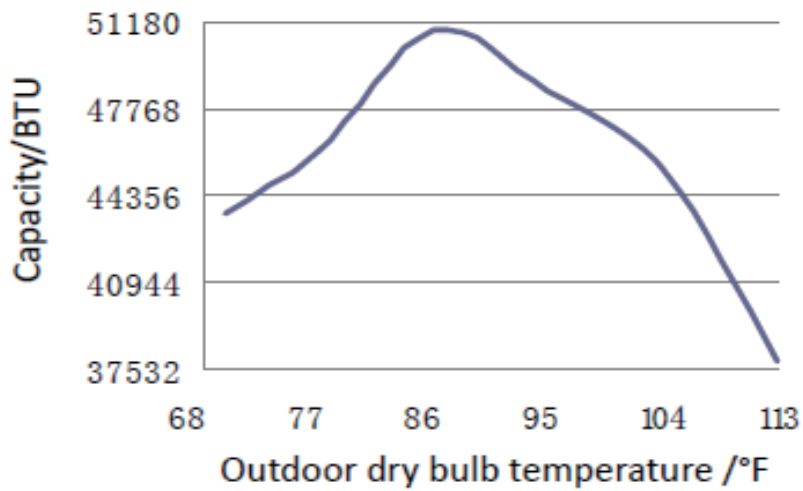
Auto Mode	YES
Auto Fan	YES
Auto Swing (Continuous Sweep)	YES
Adjustable Swing Louvers (5 pos.)	YES
Clock on Remote Controller	YES
Dry Mode	YES
Dry Anti-Mildew (X-Fan) Mode	YES
Energy Saving Mode	NO
Dirty Filter Alert	NO
I Feel Function	YES
Lock on Remote Controller	YES
Quiet Mode	NO
Room Temperature Display (5 sec.)	YES
Sleep Mode	YES
Timer Mode	YES
Turbo Mode	YES
Display On/Off Control	YES
Freeze Guard Mode	YES



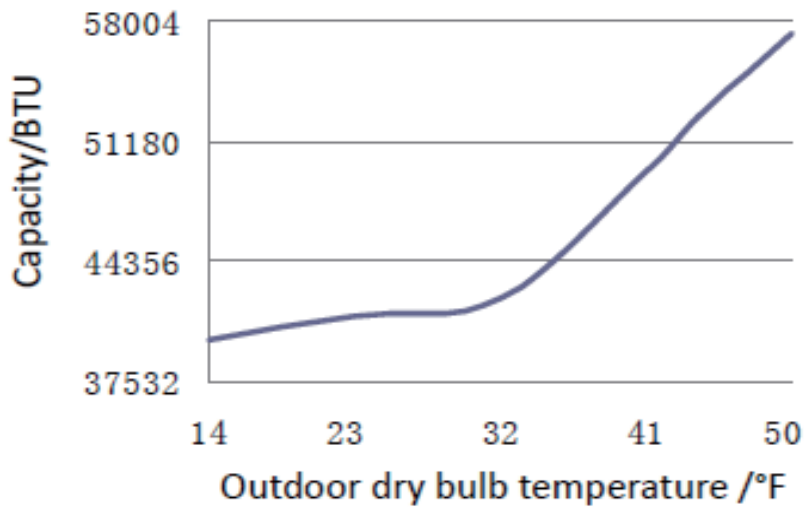


EXTENDED RATINGS

COOLING PERFORMANCE



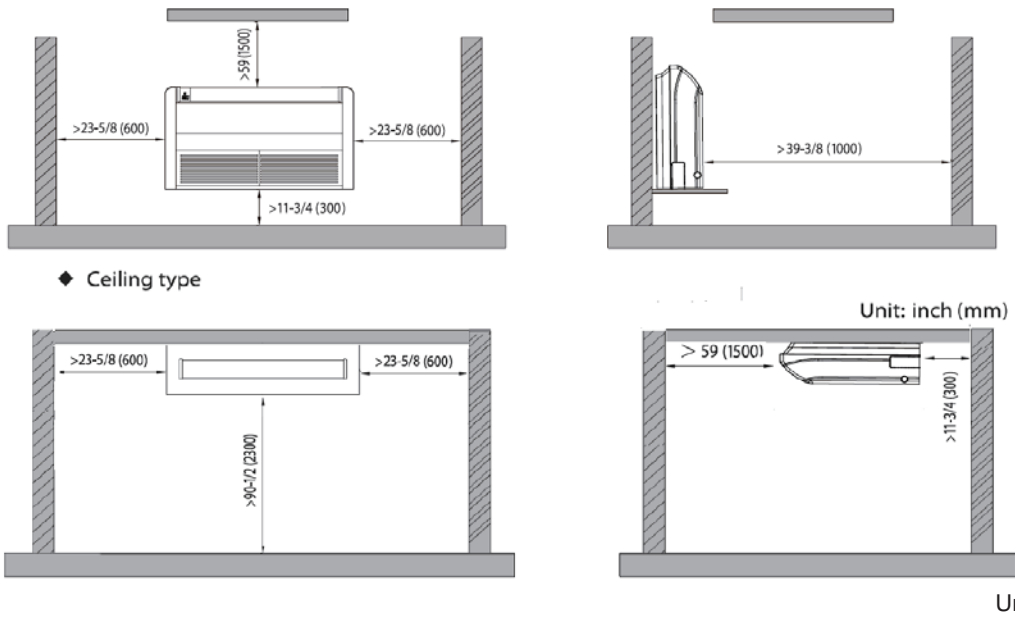
HEATING PERFORMANCE



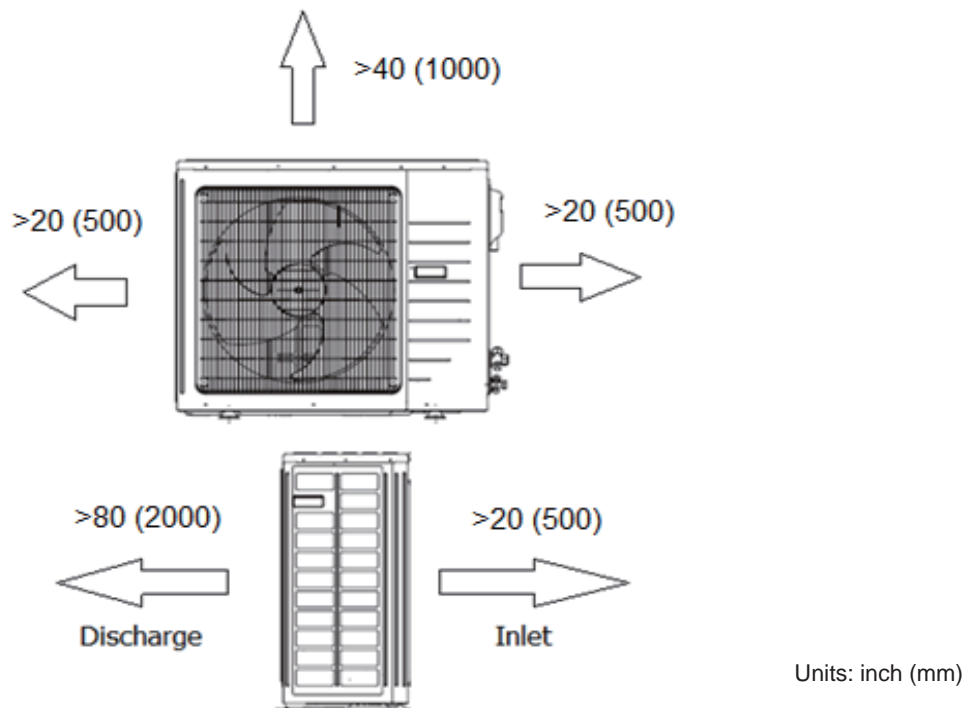


MINIMUM SPACING REQUIREMENTS

INDOOR



OUTDOOR



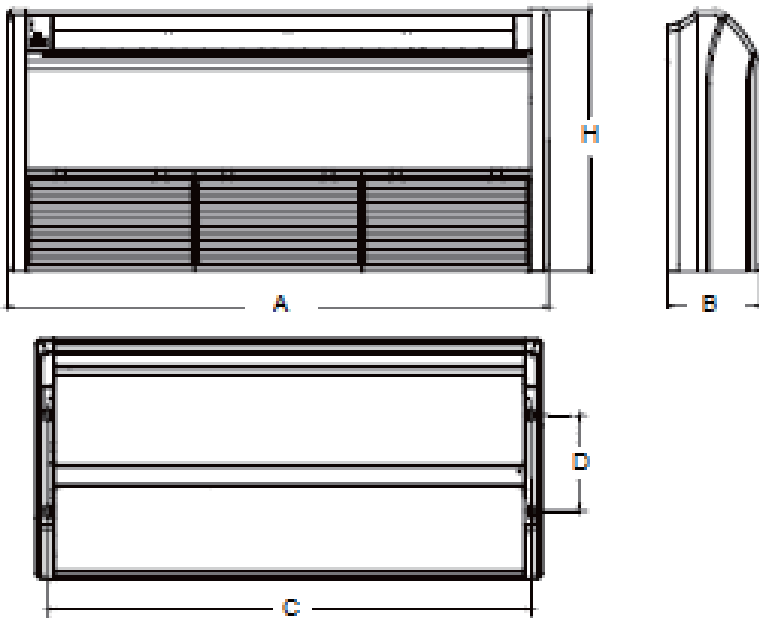


DIMENSIONAL SPECIFICATIONS

TU48HTI

Units: inch (mm)

INDOOR UNIT DIMENSIONS & WEIGHTS



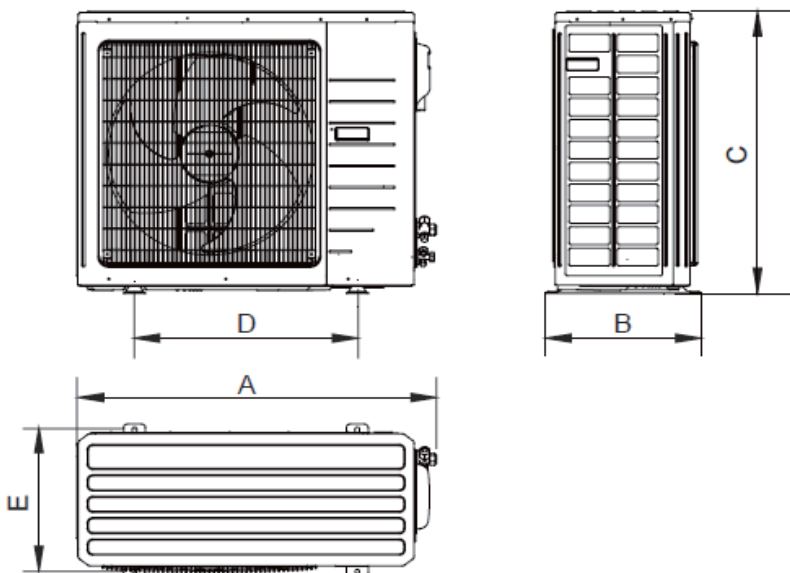
A	66.875	(1700)
B	9.625	(245)
C	64.375	(1634)
D	11	(280)
H	27.5	(700)

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