

Submittal Data: **TU42HTI** 42,000 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



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

Fan Motor	Output Power	1/5HP
	FLA	1.1A
Airflow		
	Cooling Wet (Lo/Hi)	767/1115 CFM
	Heating Dry (Lo/Hi)	767/1115 CFM
Sound Pressure Level		
	Cooling (Min/Max)	47/55 db(A)
	Heating (Min/Max)	47/55 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

Operating Range

Outdoor Unit Data

Cooling	(Max)	115°F (46 C)
	(Min)	0°F (-18 C)
Heating	(Max)	75°F (24 C)
	(Min)	0°F (-18 C)

Compressor	DC Inverter Driven Rotary	
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)

Refrigerant Piping Data

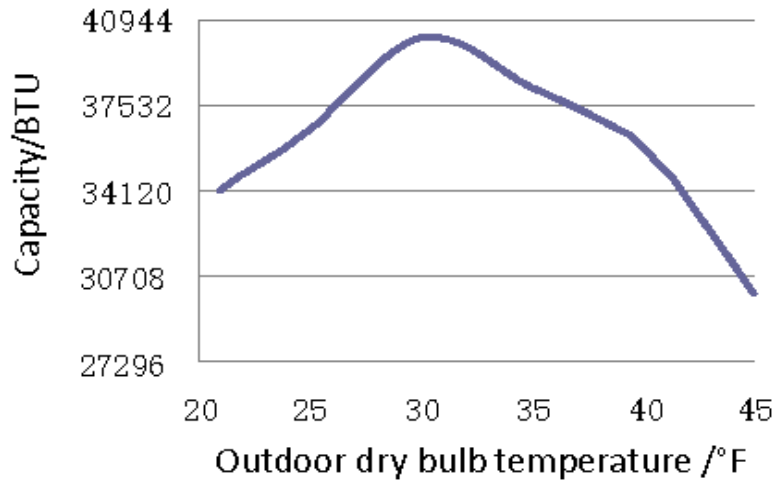
Power Supply		
	Normal Operational Voltage	208/230 V, 1 Phase, 60 Hz
	Voltage Range	187 - 253 V
	MCA	31.0A
	MOCP/Breaker Size	50A

Gas Pipe Size (OD)	5/8-in
Liquid Pipe Size (OD)	3/8-in
Connection Method	Flared
MAX Refrigerant Pipe Length	164-ft
MIN Refrigerant Pipe Length	10-ft
MAX Refrigerant Pipe Elevation	98-ft

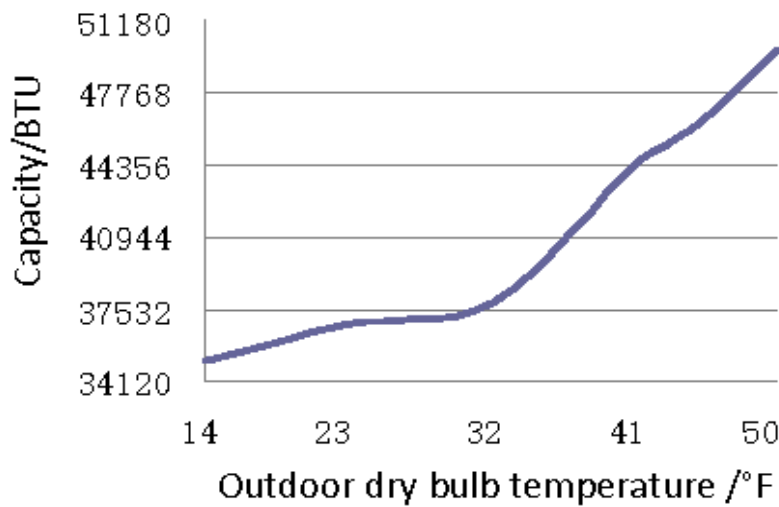


EXTENDED RATINGS

COOLING PERFORMANCE



HEATING PERFORMANCE

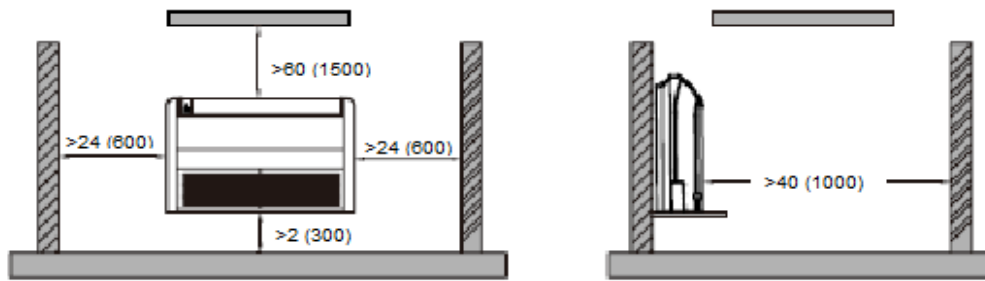


MINIMUM SPACING REQUIREMENTS

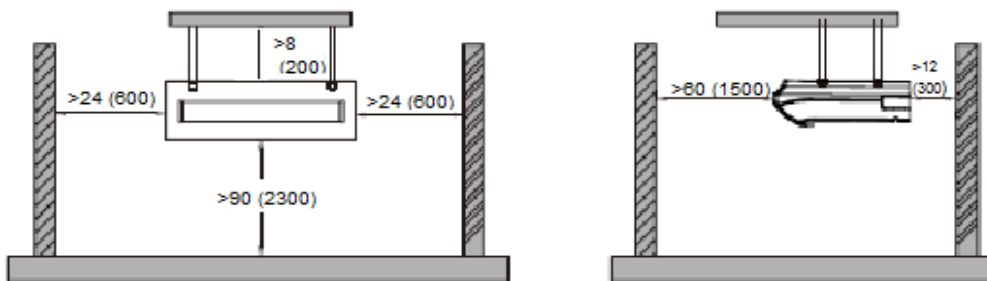
Units: inch (mm)

INDOOR

WALL MOUNTING

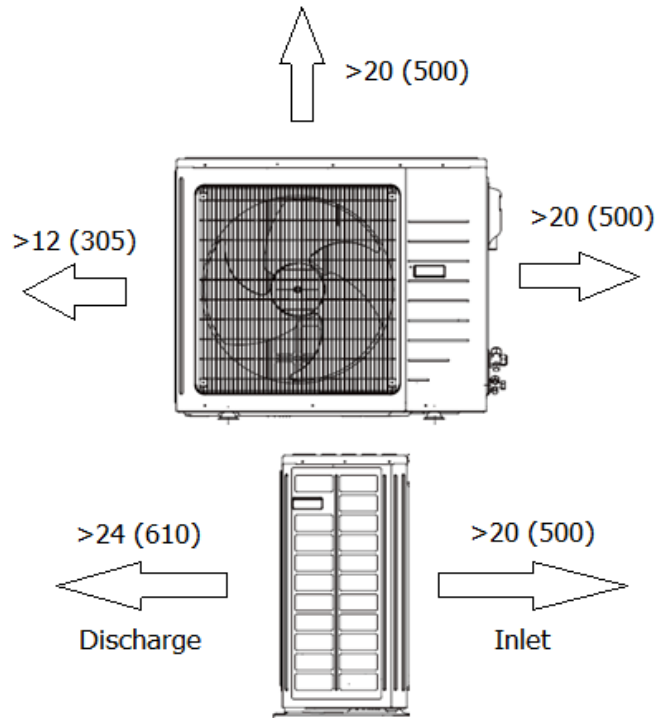


CEILING MOUNTING



Units: inch (mm)

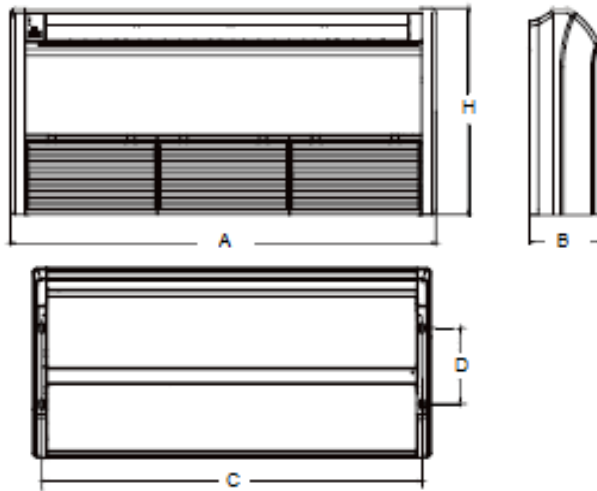
OUTDOOR



DIMENSIONAL SPECIFICATIONS TU42HTI

INDOOR UNIT DIMENSIONS & WEIGHTS

Units: inch (mm)



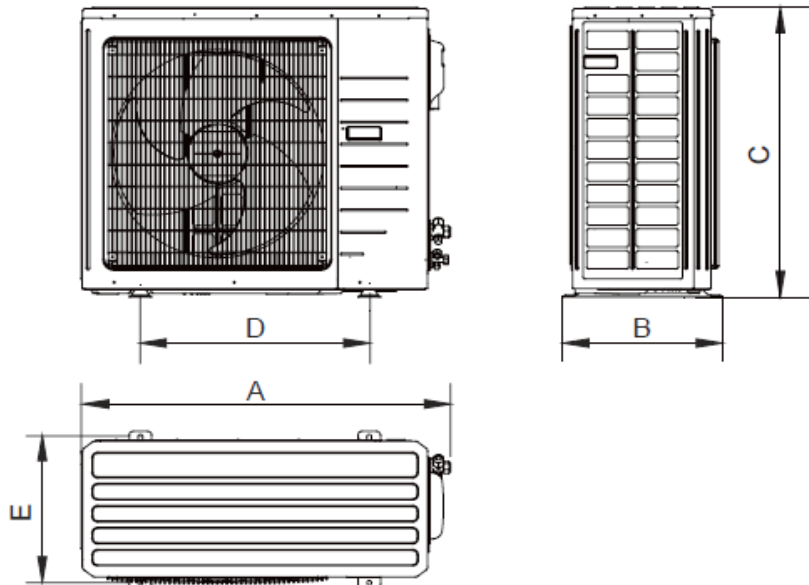
A	55.875	(1420)
B	9.625	(245)
C	53.25	(1354)
D	11	(280)
H	27.5	(700)

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

Net Weight	110 lbs
Shipping Weight	128 lbs

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)

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

Net Weight	210 lbs
Shipping Weight	232 lbs

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.