



TOSOT

T-UNIX

TOSOT

UNIVERSAL DC INVERTER HEAT PUMP

Model:
TU60-24WADU



HEAT PUMP		
Model		TU60-24WADU
Performance		
Cooling Rated Capacity	Btu/h	54,000
Cooling Cap. Range Min-Max	Btu/h	29,900~54,000
Energy Efficiency	Seer	Up to 18
Heating Rated Capacity	Btu/h	54,000
Heating Max Capacity(23°F)	Btu/h	54,000
Heating Max Capacity(-22°F)	Btu/h	28,380
Heating Cap. Range Min-Max	Btu/h	27,540~60,600
Operating Range		
Cooling Outdoor DB Min-Max	°F	5~119
Heating Outdoor DB Min-Max	°F	-22~75
Electrical		
Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
Rated Current Cooling	A	28
Rated Current Heating	A	31
MCA	A	35
MOP	A	45
Piping		
Total Piping Length	ft	98
Piping Lift*	ft	49
Pipe Connection Size - Liquid	in	3/8
Pipe Connection Size - Suction	in	3/4
Pipe Connection Type		Flare or Solder
Refrigerant		
Type		R410A
Charge	lb	12.3
Compressor		
Type		Inverter Rotary
Outdoor		
Dimensions(W x D x H)	in	42-3/4 x 16-7/8 x 53-3/4
Net Weight	lb	309
Sound Rating	dB(A)	61

**Heat pump unit above or below indoor unit*

Job Name:		Date:	
Reference #:			
Signature:			

TOSOT NORTH AMERICA

930 W 21ST STREET, CHICAGO IL 60608

TEL: +1(312)800-8455

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COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Indoor Temperature											
	60°F				70°F				80°F			
	TC	Input Power (Watts)	EER	SHC	TC	Input Power (Watts)	EER	SHC	TC	Input Power (Watts)	EER	SHC
50°F	32500	3040	10.69	23080	42500	3610.00	11.77	30170	50000.00	3800	13.15	35500.00
65°F	35100	3400	10.32	24920	45900	4030.00	11.36	32590	54000.00	4250	12.7	38340.00
75°F	35100	3520	9.97	24920	45900	4180.00	10.98	32590	54000.00	4400	12.27	38340.00
85°F	35100	3640	9.64	24920	45900	4320.00	10.61	32590	54000.00	4550	11.86	38340.00
95°F	35100	4040	8.68	24920	45900	4790.00	9.56	32590	54000.00	5050	10.69	38340.00
105°F	35100	5340	6.56	24920	45900	6340.00	7.23	32590	54000.00	6680	8.08	38340.00
115°F	29900	4560	6.55	21230	39100	5410.00	7.22	27760	46000.00	5700	8.07	32660.00

HEATING PERFORMANCE

Outdoor Ambient Temperature (DB)	Return Air Temperature											
	60°F				70°F				80°F			
	TC	Input Power (Watts)	COP		TC	Input Power (Watts)	COP		TC	Input Power (Watts)	COP	
-22°F	28380	6220	4.56		28100	6350	4.43		27540	6410	4.29	
-15°F	31310	6370	4.92		31000	6500	4.77		30380	6560	4.63	
-5°F	36360	6610	5.50		36000	6750	5.33		35280	6820	5.17	
5°F	43730	6960	6.29		43300	7100	6.10		42430	7170	5.92	
17°F	53330	6660	8.00		52800	6800	7.76		51740	6870	7.53	
32°F	54540	6470	8.43		54000	6600	8.18		52920	6660	7.94	
47°F	55550	4900	11.34		55000	5000	11.00		53900	5050	10.67	
60°F	60600	5190	11.67		60000	5300	11.32		58800	5350	10.98	

DB --- Dry Bulb

WB --- Wet Bulb

TC --- Total Capacity (BtuH)

SC --- Sensible Capacity (BtuH)

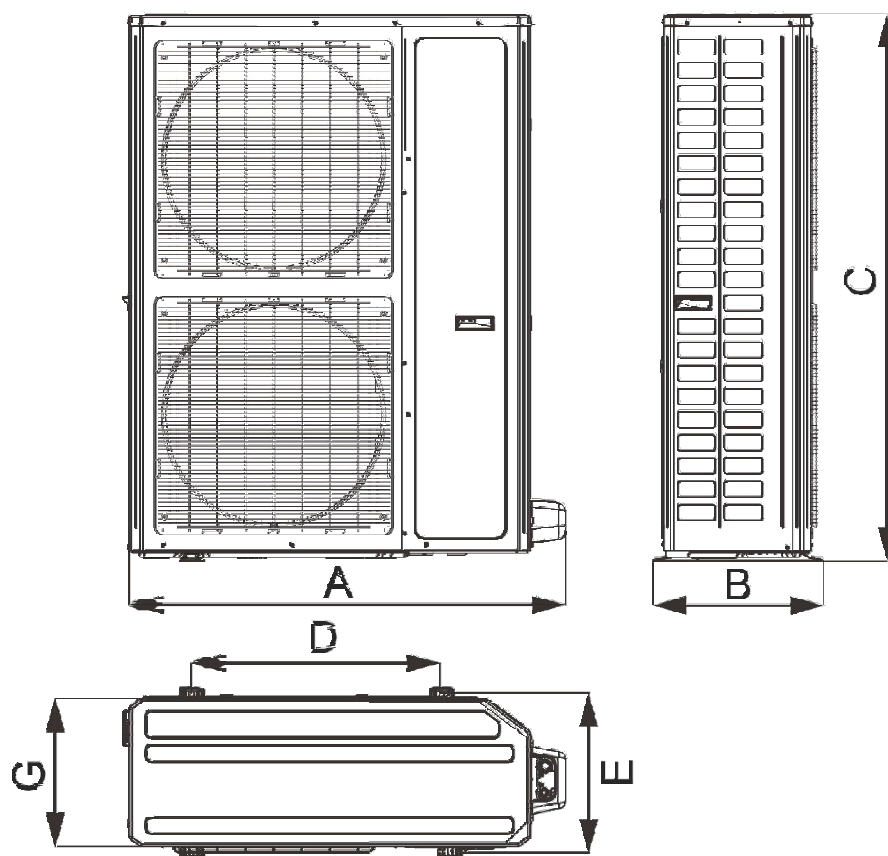
COP --- Coefficient of Performance

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Model #	Dimensions					
	A	B	C	D	E	G
TU60-24WADU	42-3/4"	16-7/8"	53-3/4"	24-1/2"	15-1/2"	14-1/2"

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