

## TOSHIBA CARRIER RAVAT2 OUTDOOR UNIT



# Toshiba Carrier Light Commercial Heat Pump

### FEATURES

- Available in 208/230V
- Quiet outdoor operation, as low as 48 dB(A)
- Piping length 165 ~ 245 ft.
- Cooling operating range 5° ~ 115° F
- Heating operating range -13° ~ 59° F (-20° ~ 15° C)

Systems can be programmed to operate in cooling-only mode with heating locked out.

### COMPATIBLE WITH:

- RAVKR2 High Wall (p 88)
- RAVUT2 Cassette (p 90)
- RAVBT2 Ducted (p 92)
- RAVCT2 Underceiling (p 94)

**TOSHIBA**  
*Carrier*

Inverter Compressor

Up to 25.5 SEER2

Up to 11.3 HSPF2

Sizes: 12 / 18 / 24 / 30 / 36 / 42 / 48



**High Wall**



**Cassette**



**Ducted**



**Console**

Systems can be programmed to operate in cooling-only mode with heating locked out.

# TOSHIBA CARRIER

## RAVAT2 OUTDOOR UNIT

### SPECIFICATIONS:

RAV System: Outdoor Model									
Model name	Outdoor unit	RAV -	SP122AT2P-UL	SP182AT2P-UL	SP242AT2P-UL	SP302AT2P-UL	SP362AT2P-UL	SP422AT2P-UL	SP482AT2P-UL
Outdoor unit									
Air flow volume	Cooling / Heating	CFM	1590 / 1590	1590 / 1590	2300 / 2220	3570 / 2870	3570 / 3100	3570 / 3290	4540 / 4060
Sound pressure level (High) (*2)	Cooling / Heating	dB(A)	48 / 52	48 / 52	52 / 54	54 / 54	54 / 54	54 / 54	60 / 60
External dimension	Height	in	21.7		35	52.8			
	Width	in	30.8		35.3	35.4			
	Depth	in	11.4		12.6	12.6			
Total weight	Main unit	lbs	99.2		141.1	218.3		233.7	
Refrigerant									
Refrigerant pipe	Min. length	ft	16-1/2						
	Max. total length	ft	164			246			
	Lift (ODU below IDU)	ft	98						
	Lift (ODU above IDU)	ft	98						
Refrigerant (*3) (Charged refrigerant amount)		lbs	3.75	3.75	5.51	6.83	6.83	7.27	7.27
Flare connections									
Gas side		in	1/2		5/8				
Liquid side		in	1/4		3/8				
Operating range									
Cooling		°F DB	5 to 115						
Cooling w/ wind baffles		°F DB	5 to 115			-13 to 115			
Heating		°F WB	-13 to 59						

#### Note:

(\*1) Rated conditions

Cooling: Indoor air temperature 80°F dry bulb / 67°F wet bulb, Outdoor air temperature 95°F dry bulb

Heating: Indoor air temperature 70°F dry bulb, Outdoor air temperature 47°F dry bulb / 43°F wet bulb

(\*2) The actual values in an operating environment are generally higher than the indicated values due to the contribution from ambient noise.





(\*3) The amount does not consider extra piping length. Refrigerant must be added on site in accordance with the actual piping length.

(\*4) Select wire size based on larger value of MCA

MCA: Minimum Circuit Amps (Minimum Circuit Amps required for power supply design)

(\*5) MOCP: Maximum Over Current Protection

### COMPATIBILITY:

	 4-Way Cassette RAV-SPxxxUT-UL	 Underceiling RAV-SPxxxCT-UL	 Medium Static Ducted RAV-SPxxxBTP-UL	 High Wall RAV-SPxxxKRT-UL
Outdoor Units	Indoor Units			
Single-split SDI RAV-SP120AT2P-UL			•	•
Single-split SDI RAV-SP180/240/300/360AT2-UL	•	•	•	•
Single-split SDI RAV-SP420/480AT2-UL	•	•	•	