

Ductless Split Systems



turn to the experts™



TOSHIBA
Carrier



Right Product for the
Right Application

September 2014

Ductless Split Systems

Right Product for the Right Application

Single-Zone Systems

Multi-Zone Systems (up to five rooms)



High Wall



High Wall, Cassette,
Underceiling



2:1 to 5:1 High Wall

Up to
23.0
SEER

TOSHIBA
Carrier
RAS Series



TOSHIBA
Carrier
RAV Series



16.0
SEER

Carrier
GV Series

Carrier
GVM Series

Up to
15.0 SEER
10.5 EER

Carrier
MF Series

Carrier
QN Series
QA Series








Residential Limited Warranty

To the original owner, Carrier stands behind its ductless products with a five-year parts and seven-year compressor limited warranty. See warranty certificate at carrier.com for complete details and restrictions. Be sure to ask your Carrier dealer about optional labor warranties.






Ductless Split Systems



Residential Ductless Split Systems

SINGLE-ZONE						
Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
RAS 		9 - 22K	15.5 - 23.0 / 9.0 - 10.0	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	4 - 5
GV		9 - 36K	16.0 / 8.0 - 9.5	Performance SERIES	Variable-Speed (Inverter)	6 - 7
MF		9 - 22K	15.0 / 8.2	Comfort SERIES	Variable-Speed (Inverter)	8 - 9

MULTI-ZONE SYSTEMS						
Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
GVM	Up to Five 	FCU 9 - 18K CDU 18 - 42K	16.0 / 8.0 - 8.2	Performance SERIES	Variable-Speed (Inverter)	10 - 11

Light Commercial Ductless Split Systems

VARIABLE-SPEED HIGH-EFFICIENCY						
Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
RAV		18 - 24K	16.7 - 19.5 / 9.8 - 11.5	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	13
RAV 		18 - 42K	17.0 - 20.6 / 10.3 - 11.0	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	14
RAV 		18 - 42K	19.0 - 21.0 / 9.5 - 11.9	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	15

FIXED SPEED						
Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
QN		18 - 36K	13.0 / 7.7	Performance SERIES	Fixed Speed	16 - 17
QA		18 - 60K	13.0 / 7.7	Performance SERIES	Fixed Speed	18 - 19

RAS Series High Wall Systems



- Digital inverter compressor technology
- Up to 23.0 SEER
- R410A refrigerant
- Auto louver mode
- Wireless controller
- Turbo mode
- Timer, sleep mode
- One touch memory
- Quiet operation

TOSHIBA
Carrier

INVERTER



Toshiba Carrier High Wall Cooling Only Systems						
System	Size	9	12	15	17	22
System	Outdoor Model	RAS-09EACV-UL	RAS-12EACV-UL	RAS-15EACV-UL	RAS-17EACV-UL	RAS-22EACV-UL
	Indoor Model	RAS-09EKCV-UL	RAS-12EKCV-UL	RAS-15EKCV-UL	RAS-17EKCV-UL	RAS-22EKCV-UL
Performance	ENERGY STAR® Qualified	Yes	Yes	Yes	Yes	No
	Cooling Rated Capacity Btu/h	9,000	12,000	15,000	16,200	21,400
	Cooling Cap. Range Min - Max Btu/h	3,750 - 10,580	2,750 - 13,950	2,750 - 17,050	3,750 - 20,450	4,100 - 22,500
	SEER / EER	20 / 13	23 / 12.6	20 / 13	19 / 12.6	15.5 / 8.3
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible				
	Wired (°C, °F, Convertible)	Optional: 818F0040 (Fahrenheit); 818F0041 (Celsius)				
Operating Range	Cooling Outdoor Min - Max DB °F	0 - 115				
	Cooling Indoor DB Min - Max °F	70 - 90				
Piping	Total Piping Length ft.	66'				
	Piping Lift ft. *	33'				
	Pipe Connection Size - Liquid (In.)	1/4"		1/4"		
	Pipe Connection Size - Suction (In.)	3/8"		1/2"		
Electrical	Voltage	208 / 230 - 1 - 60				
	Power Supply	Indoor unit powered from outdoor unit				
	Outdoor - MCA	10	13			15
	Outdoor - Fuse Rating (MOCP)	15	20			25
Outdoor	Dimensions (W x H x D) In.	30.7 x 21.7 x 11.4				
	Net Weight (lbs.)	82	88	91	93	
	Sound Pressure dBA	47	50	51	52	53
Indoor	Dimensions (W x H x D) In.	31.1 x 10.8 x 8.1		41.3 x 12.6 x 8.9		
	Net Weight (lbs.)	20		29		
	Number of Fan Speeds	5				
	Airflow (lowest to highest) CFM	177 / 211 / 244 / 274 / 303	219 / 262 / 304 / 355 / 406	340 / 396 / 455 / 504 / 562	388 / 447 / 505 / 571 / 636	388 / 447 / 505 / 571 / 636
Sound Pressure dBA (lowest to highest)	27 / 30 / 34 / 36 / 39	26 / 30 / 33 / 36 / 39	30 / 35 / 40 / 42 / 45	32 / 35 / 38 / 41 / 44	35 / 38 / 41 / 44 / 47	

*Condensing unit above or below indoor unit



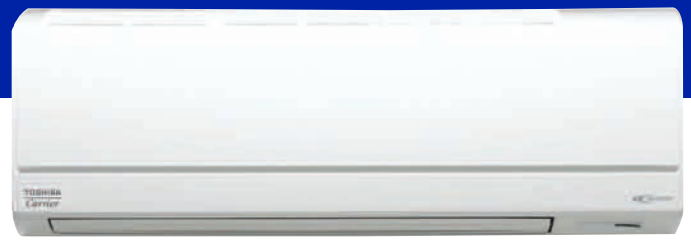
Condensate Pump
53DS-900---118 (208/230V)

RAS Series High Wall Systems

- Digital inverter compressor technology
- Up to 23.0 SEER, up to 10.0 HSPF
- R410A refrigerant
- Auto louver mode
- Wireless controller
- Turbo mode
- Timer, sleep mode
- One touch memory
- Quiet operation
- Optional factory installed base pan heater

TOSHIBA
Carrier

INVERTER



Toshiba Carrier High Wall Heat Pump Systems						
System	Size	9	12	15	17	22
Outdoor Model		RAS-09EAV-UL	RAS-12EAV-UL	RAS-15EAV-UL	RAS-17EAV-UL	RAS-22EAV-UL
Outdoor Model (with basepan heater)		RAS-09EAV2-UL	RAS-12EAV2-UL	RAS-15EAV2-UL	RAS-17EAV2-UL	RAS-22EAV2-UL
Indoor Model		RAS-09EKV-UL	RAS-12EKV-UL	RAS-15EKV-UL	RAS-17EKV-UL	RAS-22EKV-UL
ENERGY STAR® Qualified		Yes	Yes	Yes	Yes	No
Performance	Cooling Rated Capacity Btu/h	9,000	12,000	15,000	16,200	21,400
	Cooling Cap. Range Min - Max Btu/h	3,750 - 10,580	2,750 - 13,950	2,750 - 17,050	3,750 - 20,450	4,100 - 22,500
	SEER / ERR	20 / 13	23 / 12.6	20 / 13	19 / 12.6	15.5 / 8.3
	Heating Rated Capacity Btu/h	10,800	14,200	18,000	20,200	23,200
	Heating Cap. Range Min - Max Btu/h	3,070 - 16,350	3,070 - 19,000	2,750 - 21,500	2,750 - 21,500	3,450 - 24,350
	HSPF	10	9.7	9		
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible				
	Wired (°C, °F, Convertible)	Optional: 818F0038 (Fahrenheit); 818F0039 (Celsius)				
Operating Range	Cooling Outdoor Min - Max DB °F	0 - 115				
	Heating Outdoor WB Min - Max °F	-4 - 75				
	Cooling Indoor DB Min - Max °F	70 - 90				
	Heating Indoor DB Min - Max °F	32 - 82				
Piping	Total Piping Length ft.	66'				
	Piping Lift ft.*	33'				
	Pipe Connection Size - Liquid (In.)	1/4"		1/4"		
	Pipe Connection Size - Suction (In.)	3/8"		1/2"		
Electrical	Voltage	208/230-1-60				
	Power Supply	Indoor unit powered from outdoor unit				
	Outdoor - MCA	10	13		15	
	Outdoor - Fuse Rating (MOCP)	15	20		25	
Outdoor	Dimensions (W x H x D) In.	30.7 x 21.7 x 11.4				
	Net Weight (lbs.)	82	88	91		93
	Sound Pressure dBa (Clg / Htg)	47 / 47	50 / 50	51 / 51	52 / 52	53 / 53
Indoor	Dimensions (W x H x D) In.	31.1 x 10.8 x 8.1			41.3 x 12.6 x 8.9	
	Net Weight (lbs.)	20			29	
	Number of Fan Speeds	5				
	Airflow (lowest to highest) CFM	177 / 211 / 244 / 274 / 303	219 / 262 / 304 / 355 / 406	340 / 396 / 455 / 504 / 562	388 / 447 / 505 / 571 / 636	388 / 447 / 505 / 571 / 636
	Sound Pressure dBa (lowest to highest) Clg	27 / 30 / 34 / 36 / 39	26 / 30 / 33 / 36 / 39	30 / 35 / 40 / 42 / 45	32 / 35 / 38 / 41 / 44	35 / 38 / 41 / 44 / 47
	Sound Pressure dBa (lowest to highest) Htg	28 / 32 / 35 / 37 / 40	32 / 36 / 41 / 43 / 46	32 / 35 / 39 / 41 / 44	32 / 35 / 39 / 41 / 44	35 / 38 / 42 / 44 / 47

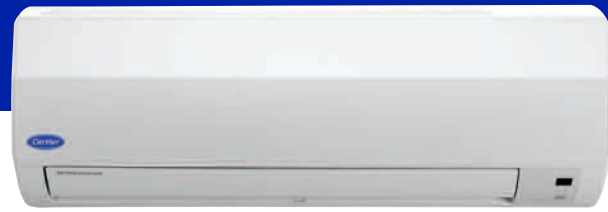
*Condensing unit above or below indoor unit



Condensate Pump
53DS-900---118 (208/230V)

GV Series High Wall System

- Inverter compressor technology (9 - 36K BTUH)
- Wireless remote, LED display
- Sleep mode
- Indoor units powered from outdoor unit
- Auto restart on power failure
- Dehumidification mode



Performance
SERIES



Carrier Inverter High Wall Cooling Only Systems (GVC Series)							
System	Size	9	12	12	18	24	36
Performance	Outdoor Model	38GVC009---1	38GVC012---1	38GVC012---3	38GVC018---3	38GVC024---3	38GVC036---3
	Indoor Model	40GVC009---1	40GVC012---1	40GVC012---3	40GVC018---3	40GVC024---3	40GVC036---3
Performance	Cooling Rated Capacity Btu/h	9,000	11,800	12,000	18,000	22,000	33,600
	Cooling Cap. Range Min. - Max Btu/h	3,500 - 11,000	3,300 - 12,500	3,300 - 12,500	4,500 - 21,000	6,400 - 24,000	7,400 - 36,000
	SEER / EER	16.0 / 12.0	16.0 / 9.4	16.0 / 9.8	16.0 / 11.1	16.0 / 10.0	16.0 / 8.3
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible					
	Wired (°C, °F, Convertible)	Not Available					
Operating Range	Cooling Outdoor Min - Max DB °F	64.4 - 113		5 - 109	5 - 118		64.4 - 109
	Cooling Indoor DB Min - Max °F	61 - 95					
Piping	Total Piping Length ft.	50'			82'		98'
	Piping Lift ft.*	33'					
	Pipe Connection Size - Mixed Phase (In.)	1/4"					
	Pipe Connection Size - Vapor (In.)	3/8"		1/2"		5/8"	
Electrical	Voltage	115 - 1 - 60			208 / 230 - 1 - 60		
	Power Supply	Indoor unit powered from outdoor unit					
	Outdoor - MCA	13	15	10	15	16	24
Outdoor	Outdoor - Fuse Rating (MOCP)	20	25	15	25	25	35
	Dimensions (W x H x D) In.	33.4 x 21.3 x 12.6		28.0 x 21.7 x 12.5	37.9 x 27.6 x 15.6	37.9 x 27.6 x 15.6	38.6 x 31.1 x 16.7
	Net Weight (lbs.)	75		63.8	112.2		161
Indoor	Sound Pressure dBa	53	55	52	56	53	65
	Dimensions (W x H x D) In.	30.3 x 11.1 x 7.9			34.0 x 12.0 x 8.5	39.7 x 12.6 x 8.7	53.1 x 12.8 x 10.0
	Net Weight (lbs.)	18.7	19.8	19.8	26.4	33.1	44.1
	Number of Fan Speeds	4					
	Airflow (L / M / H / T) CFM	188 / 224 / 277 / 330	200 / 235 / 288 / 341		271 / 330 / 400 / 471	353 / 412 / 471 / 588	677 / 706 / 824 / -
Sound Pressure dBa (L / M / H / T)	32 / 35 / 37 / 40		28 / 33 / 39 / 44		34 / 38 / 43 / 48	24 / 39 / 43 / 48	53 / 56 / 59 / -

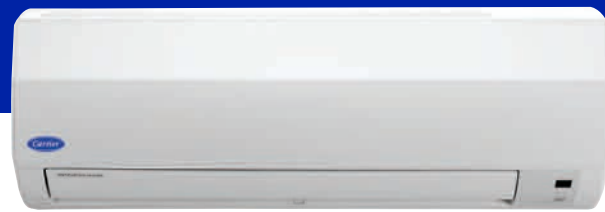
*Condensing unit above or below indoor unit



Condensate Pump
53DS-900---117 (115V)
53DS-900---118 (208/230V)

GV Series High Wall System

- Inverter compressor technology (9-36K BTUH)
- Wireless remote, LED display
- Sleep mode
- Indoor units powered from outdoor unit
- Auto restart on power failure
- Dehumidification mode



Performance
SERIES



Carrier Inverter High Wall Heat Pump Systems (GVQ Series)									
System	Size	9	12	12	18	24	30	36	
	Outdoor Model	38GVQ009---1	38GVQ012---1	38GVQ012---3	38GVQ018---3	38GVQ024---3	38GVQ030---3	38GVQ036---3	
	Indoor Model	40GVQ009---1	40GVQ012---1	40GVQ012---3	40GVQ018---3	40GVQ024---3	40GVQ030---3	40GVQ036---3	
Performance	Cooling Rated Capacity Btu/h	9,000	11,800	12,000	18,000	22,000	28,000	33,600	
	Cooling Cap. Range Min. - Max Btu/h	3,500 - 11,000	3,300 - 12,500	3,300 - 12,500	4,500 - 21,000	6,400 - 24,000	9,500 - 30,000	7,400 - 36,000	
	SEER / EER	16.0 / 12.0	16.0 / 9.4	16.0 / 9.8	16.0 / 11.1	16.0 / 10.0	16.0 / 9.3	16.0 / 8.3	
	Heating Rated Capacity Btu/h	10,000	13,000	12,000	19,200	26,600	30,600	36,400	
	Heating Cap. Range Min - Max Btu/h	2,500 - 11,000	3,400 - 13,500	3,400 - 13,500	4,000 - 23,000	4,100 - 26,600	10,000 - 33,000	15,000 - 36,000	
	HSPF	8.6	8.6	8.5	8	9.5	8.2	8.2	
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible							
	Wired (°C, °F, Convertible)	Not Available							
Operating Range	Cooling Outdoor Min - Max DB °F	64.4 - 113		5 - 109	5 - 118	50 - 118	5 - 109		
	Heating Outdoor DB Min - Max °F	5 - 75			19 - 75	5 - 75	17 - 75		
	Cooling Indoor DB Min - Max °F	61 - 95							
	Heating Indoor DB Min - Max °F	55 - 80							
Piping	Total Piping Length ft.	50'			82'		98'		
	Piping Lift ft.*	33'							
	Pipe Connection Size - Mixed Phase (In.)	1/4"							
	Pipe Connection Size - Vapor (In.)	3/8"			1/2"			5/8"	
Electrical	Voltage	115-1-60			208 / 230-1-60				
	Power Supply	Indoor unit powered from outdoor unit							
	Outdoor - MCA	13	15	10	15	16	20	24	
	Outdoor - Fuse Rating (MOCP)	20	25	15	25	25	30	40	
Outdoor	Dimensions (W x H x D) In.	33.4 x 21.3 x 12.6		28.0 x 21.7 x 12.5	37.9 x 27.6 x 15.6		38.6 x 31.1 x 16.7		
	Net Weight (lbs.)	75		63.8	112.2		154	161	
	Sound Pressure dBa	53	55	52	56	56	62	65	
Indoor	Dimensions (W x H x D) In.	30.3 x 11.1 x 7.9			34.0 x 12.0 x 8.5	39.7 x 12.6 x 8.7	53.1 x 12.8 x 10.0		
	Net Weight (lbs.)	18.7	19.8		26.4	33.1	44.1		
	Number of Fan Speeds	4						3	
	Airflow (L / M / H / T) CFM	188 / 224 / 277 / 330	200 / 235 / 288 / 341		271 / 330 / 400 / 471	353 / 412 / 471 / 588	647 / 677 / 706 / -	677 / 706 / 824 / -	
	Sound Pressure dBa (L / M / H / T) Clg	32 / 35 / 37 / 40		28 / 33 / 39 / 44	34 / 38 / 43 / 48	24 / 39 / 43 / 48	48 / 54 / 57 / -	53 / 56 / 59 / -	
Sound Pressure dBa (L / M / H / T) Htg	32 / 35 / 37 / 40		28 / 33 / 39 / 44	34 / 38 / 43 / 48	24 / 39 / 43 / 48	48 / 54 / 57 / -	53 / 56 / 59 / -		

*Condensing unit above or below indoor unit



Condensate Pump
53DS-900---117 (115V)
53DS-900---118 (208/230V)

MF Series High Wall System - Cooling Only

- Inverter compressor technology (9-22K BTUH)
- Optional wired controller
- Line lengths up to 100 ft.
- Turbo mode
- Cost competitive

Comfort
SERIES

Puron
the environmentally sound refrigerant



Carrier High Walls - Cooling Only (MFC Series)							
System	Size	9		12		18	22
	Outdoor Model		38MFC009---1	38MFC012---1	38MFC012---3	38MFC018---3	38MFC022---3
Indoor Model		40MFC009---1	40MFC012---1	40MFC012---3	40MFC018---3	40MFC022---3	
Performance	Cooling Rated Capacity Btu/h	9,000		12,000		18,000	22,000
	Cooling Cap. Range Min - Max Btu/h	4,000-10,000		4,500-13,000		5,500-19,000	6,500-24,000
	SEER	15					
	EER	10	9		8.5	10	
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible					
	Wired (°C, °F, Convertible)	Optional: KSACN0101CAC					
Operating Range	Cooling Outdoor DB Min - Max °F	14 - 115					
	Cooling Indoor DB Min - Max °F	63 - 90					
Piping	Total Piping Length ft.	65'				98'	
	Piping Lift ft.	25'			30'		
	Pipe Connection Size - Liquid (In.)	1/4"				3/8"	
	Pipe Connection Size - Suction (In.)	3/8"	1/2"		5/8"		
Electrical	Voltage	115 - 1 - 60			208 / 230 - 1 - 60		
	Power Supply	Indoor unit powered from outdoor unit					
	Outdoor - MCA	19	19	10	14	16	
	Outdoor - Fuse Rating (MOCP)	30	30	15	20	25	
Outdoor	Dimensions (W x H x D) In	35.8 x 23 x 13.2			34.9 x 25.4 x 14	38.0 x 29.7 x 15.6	
	Net Weight (lbs.)	58.4	61.7		76.0	98.1	
	Sound Pressure dBa	57	58		60	61	
Indoor	Dimensions (W x H x D) In.	26.8 x 10.0 x 7.0	30.3 x 10.0 x 7.4		35.6 x 10.8 x 7.8	40.6 x 12.4 x 8.6	
	Net Weight (lbs.)	15.4	16.5		19.8	26.4	
	Number of Fan Speeds	4					
	Airflow (lowest to highest) CFM	131 / 160 / 192 / 215	158 / 194 / 230 / 240	157 / 193 / 232 / 240	236 / 294 / 348 / 395	368 / 458 / 547 / 580	
Sound Pressure dBa (L / M / H)	43 / 39 / 34	44 / 40 / 36		45 / 41 / 37	50 / 46 / 42		

*Condensing unit above or below indoor unit



Optional Wired Controller
KSACN0101CAC



Condensate Pump
53DS-900---117 (115V)
53DS-900---118 (208/230V)

MF Series High Wall System - Heat Pump

- Inverter compressor technology (9-22K BTUH)
- Optional wired controller
- Line lengths up to 100 ft.
- Turbo mode
- Cost competitive

Comfort
SERIES

Puron
the environmentally sound refrigerant



Carrier High Walls - Heat Pump (MFQ Series)									
System	Size	9		12		17	22		
System	Outdoor Model	38MFQ009---1		38MFQ012---1		38MFQ017---3	38MFQ022---3		
	Indoor Model	40MFQ009---1		40MFQ012---1		40MFQ017---3	40MFQ022---3		
	Performance	Cooling Rated Capacity Btu/h		9,000		12,000	17,000	22,000	
Performance	Cooling Cap. Range Min - Max Btu/h		4,000-10,000		4,500-13,000		5,500-19,000	6,500-24,000	
	SEER		15						
	EER		10.5		10		9	9.5	
	Heating Rated Capacity Btu/h		9,000		12,000		18,000	22,000	
	Heating Cap. Range Min - Max Btu/h		4,000-10,500		4,500-13,000		5,500-19,500	6,500-24,500	
	HSPF		8.2						
	Controls	Wireless (°C, °F, Convertible)		Standard - Convertible					
Wired (°C, °F, Convertible)		Optional: KSACN0101CAC							
Operating Range	Cooling Outdoor DB Min - Max °F		14 - 115						
	Heating Outdoor DB Min - Max °F		5 - 75						
	Cooling Indoor DB Min - Max °F		63 - 90						
	Heating Indoor DB Min - Max °F		32 - 86						
Piping	Total Piping Length ft.		65'		98'				
	Piping Lift ft.		25'		30'				
	Pipe Connection Size - Liquid (In.)		1/4"				3/8"		
	Pipe Connection Size - Suction (In.)		3/8"		1/2"		5/8"		
Electrical	Voltage		115 - 1 - 60		208 / 230 - 1 - 60				
	Power Supply		Indoor unit powered from outdoor unit						
	Outdoor - MCA		19		10		14	16	
	Outdoor - Fuse Rating (MOCP)		30		30		15	20	25
Outdoor	Dimensions (W x H x D) In		35.8 x 23 x 13.2		34.9 x 25.4 x 14		38.0 x 29.7 x 15.6		
	Net Weight (lbs.)		70.5		82.7		103.6		
	Sound Pressure dBa (Clg / Htg)		57		58		60	61	
Indoor	Dimensions (W x H x D) In.		26.8 x 10.0 x 7.0		30.3 x 10.0 x 7.4		35.6 x 10.8 x 7.8	40.6 x 12.4 x 8.6	
	Net Weight (lbs.)		15.4		16.5		19.8	26.4	
	Number of Fan Speeds		4						
	Airflow (lowest to highest) CFM		131 / 160 / 192 / 215		158 / 194 / 230 / 240		157 / 193 / 232 / 240	236 / 294 / 348 / 395	368 / 458 / 547 / 580
	Sound Pressure dBa (L / M / H) Clg		43 / 39 / 34		44 / 40 / 36		44 / 40 / 36	45 / 41 / 37	50 / 46 / 42
Sound Pressure dBa (L / M / H) Htg		40 / 35 / 30		43 / 38 / 33		42 / 36 / 31	42 / 38 / 33	46 / 42 / 38	

*Condensing unit above or below indoor unit



Optional Wired Controller
KSACN0101CAC



Condensate Pump
53DS-900---117 (115V)
53DS-900---118 (208/230V)

GVM Series Multi-Zone High Wall System

- Inverter compressor technology (18-42K BTUH)
- Connect 2 - 5 fan coils
- Three indoor capacities: 9K, 12K and 18K
- Up to 16.0 SEER, up to 8.2 HSPF
- Wireless remote, LED display
- Sleep mode
- Indoor units powered from outdoor unit
- Auto restart on power failure
- Dehumidification mode

Performance
SERIES



Carrier Multi-Zone Heat Pumps						
System	Size	18	24	30	36	42
	Outdoor Model	38GVM218---3	38GVM324---3	38GVM430---3	38GVM436---3	38GVM542---3
	Indoor Model	(2) 40GVM009---3	(3) 40GVM009---3	(4) 40GVM009---3	Non-Ducted FCU's Non-Ducted FCU's	
See Additional Combinations on Next Page						
Rated Performance	Cooling Rated Capacity Btu/h	18,000	26,000	29,000	34,400	40,000
	Cooling Cap. Range Min - Max Btu/h	7,000 - 21,000	7,500 - 33,000	7,500 - 33,000	8,530 - 34,000	8,500 - 46,400
	SEER / EER	16.0 / 10.2	16.0 / 8.2	16.0 / 7.3	16.0 / 8.0	16.0 / 9.3
	Heating Rated Capacity Btu/h	19,000	29,000	30,400	37,200	43,000
	Heating Cap. Range Min - Max Btu/h	2,500 - 22,600	7,500 - 35,000	7,500 - 35,000	10,600 - 40,900	10,600 - 47,760
	HSPF	8.2				8
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible				
	Wired (°C, °F, Convertible)	Not Available				
Operating Range	Cooling Outdoor Min - Max DB °F	23 - 118				
	Heating Outdoor DB Min - Max °F	5 - 80				
	Cooling Indoor DB Min - Max °F	61 - 95				
	Heating Indoor DB Min - Max °F	55 - 80				
Piping	Total Piping Length ft.	66'	230'			262'
	Piping to Furthest FCU	33	66			82
	Drop (OD above ID) ft.	16.4'	33'			50'
	Lift (OD below ID) ft.	16.4'	33'			50'
Electrical	Voltage	208 / 230-1-60				
	Power Supply	Indoor unit powered from outdoor unit				
	Outdoor - MCA	13	20	26	28	29
	Outdoor - Fuse Rating (MOCP)	20	30	45	45	50
Outdoor	Dimensions (W x H x D) In.	35.4 x 23.5 x 14.4	37.2 x 27.6 x 15.6	37.2 x 27.6 x 15.6	39.1 x 31.1 x 16.8	42.8 x 43.4 x 17.3
	Net Weight (lbs.)	106	146	148	172	247
	Sound Pressure dBa (Clg / Htg)	56 / 56		59 / 59		58 / 58

Indoor	Size	9	12	18
	Model	40GVM009-3	40GVM012-3	40GVM018-3
	Dimensions (W x H x D) In.	33.3 x 10.7 x 7.1		
	Net Weight (lbs.)	22		
	Airflow (L / M / H / T) CFM	218 / 253 / 294 / 330	217 / 253 / 277 / 341	324 / 383 / 459 / 500
	Number of Fan Speeds	4		
	Sound Pressure dBa (L / M / H / T) Clg	26 / 35 / 37 / 41	28 / 36 / 38 / 42	35 / 40 / 44 / 46

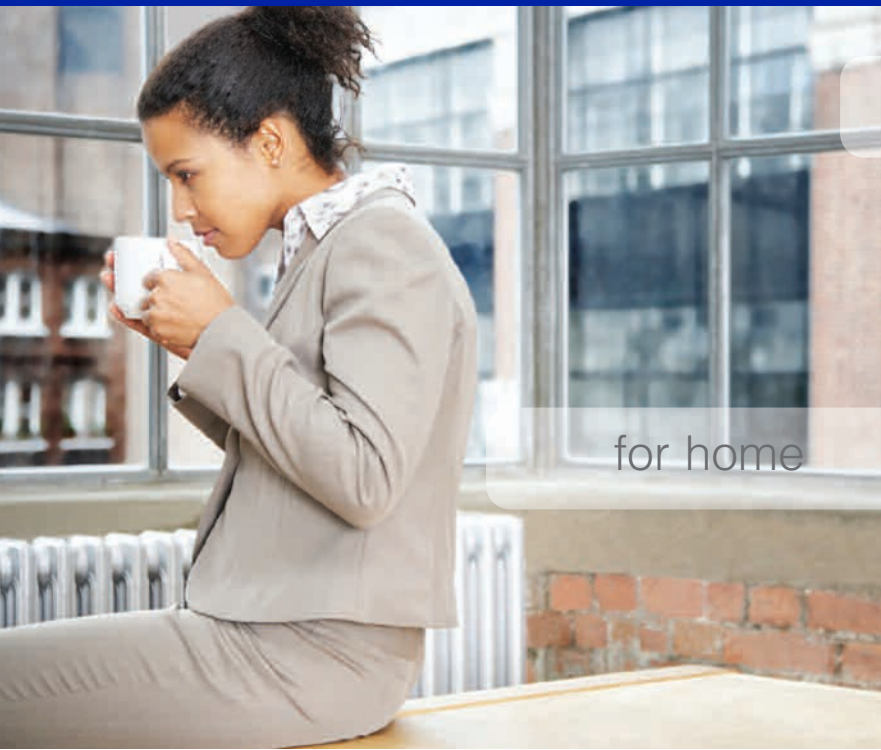


Condensate Pump
53DS-900---118 (208/230V)

Multi-Zone Combinations



Outdoor Unit Model	Two-Zone	Three-Zone	Four-Zone	Five-Zone
38GVM218---3	9K + 9K 9K + 12K			
38GVM324---3	9K + 9K 9K + 12K 9K + 18K 12K + 12K 12K + 18K 18K + 18K	9K + 9K + 9K 9K + 9K + 12K 9K + 9K + 18K 9K + 12K + 12K 12K + 12K + 12K		
38GVM430---3	9K + 9K 9K + 12K 9K + 18K 12K + 12K 12K + 18K 18K + 18K	9K + 9K + 9K 9K + 9K + 12K 9K + 9K + 18K 9K + 12K + 12K 9K + 12K + 18K 12K + 12K + 12K 12K + 12K + 18K	9K + 9K + 9K + 9K 9K + 9K + 9K + 12K 9K + 9K + 12K + 12K	
38GVM436---3	9K + 9K 9K + 12K 9K + 18K 12K + 12K 12K + 18K 18K + 18K	9K + 9K + 9K 9K + 9K + 12K 9K + 9K + 18K 9K + 12K + 12K 9K + 12K + 18K 9K + 18K + 18K 12K + 12K + 12K 12K + 12K + 18K 12K + 18K + 18K 18K + 18K + 18K	9K + 9K + 9K + 9K 9K + 9K + 9K + 12K 9K + 9K + 9K + 18K 9K + 9K + 12K + 12K 9K + 9K + 12K + 18K 9K + 9K + 18K + 18K 9K + 12K + 12K + 12K 9K + 12K + 12K + 18K 12K + 12K + 12K + 12K	
38GVM542---3	9K + 12K 9K + 18K 12K + 12K 12K + 18K 18K + 18K	9K + 9K + 9K 9K + 9K + 12K 9K + 9K + 18K 9K + 12K + 12K 9K + 12K + 18K 9K + 18K + 18K 12K + 12K + 12K 12K + 12K + 18K 12K + 18K + 18K 18K + 18K + 18K	9K + 9K + 9K + 9K 9K + 9K + 9K + 12K 9K + 9K + 9K + 18K 9K + 9K + 12K + 12K 9K + 9K + 12K + 18K 9K + 9K + 18K + 18K 9K + 12K + 12K + 12K 9K + 12K + 12K + 18K 9K + 12K + 18K + 18K 9K + 18K + 18K + 18K 12K + 12K + 12K + 12K 12K + 12K + 12K + 18K 12K + 12K + 18K + 18K	9K + 9K + 9K + 9K + 9K 9K + 9K + 9K + 9K + 12K 9K + 9K + 9K + 9K + 18K 9K + 9K + 9K + 12K + 12K 9K + 9K + 9K + 12K + 18K 9K + 9K + 9K + 18K + 18K 9K + 9K + 12K + 12K + 12K 9K + 9K + 12K + 12K + 18K 9K + 12K + 12K + 12K + 12K 12K + 12K + 12K + 12K + 12K



for home



for business



for life

Ductless. Limitless.

When it comes to heating and cooling, one size may not fit all. But one name does: **Carrier**



turn to the experts™ 

RAV Series High Wall System

- Digital inverter compressor technology (18 -24K BTUH)
- Up to 19.5 SEER, up to 11.5 HSPF
- Line lengths up to 165 ft.
- Wireless controller included
- Auto louver mode
- Optional wired controller
- Turbo mode
- Quiet operation
- Diagnostics
- Low-ambient cooling down to 5°F
- Filter maintenance indicator
- Clean mode

TOSHIBA
Carrier

S U P E R
DIGITAL INVERTER



Toshiba Carrier Inverter High Wall Cooling Only Systems*			
Toshiba Carrier Inverter High Wall Heat Pump Systems			
System	Size	18	24
	Outdoor Model	RAV-SP180AT2-UL	RAV-SP240AT2-UL
	Indoor Model	RAV-SP180KRT-UL	RAV-SP240KRT-UL
Performance	Cooling Rated Capacity Btu/h	18,000	25,000
	Cooling Cap. Range Min - Max Btu/h	3,560 - 23,500	4,100 - 32,600
	SEER / EER	19.5 / 10.0	16.7 / 9.1
	Heating Rated Capacity Btu/h	19,000	26,400
	Heating Cap. Range Min - Max Btu/h	2,250 - 23,000	3,480 - 30,400
	HSPF	11.5	9.8
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible	
	Wired (°C, °F, Convertible)	Optional - Convertible (see page 20)	
Operating Range	Cooling Outdoor Min - Max DB °F	23 - 109 (5 with wind baffle)	
	Heating Outdoor WB Min - Max °F	- 4 - 59	
	Cooling Indoor DB Min - Max °F	69.8 - 89.6	
	Heating Indoor DB Min - Max °F	59 - 82.4	
Piping	Total Piping Length ft.	165'	
	Piping Lift ft.*	100'	
	Pipe Connection Size – Liquid (In.)	1/4"	3/8"
	Pipe Connection Size – Suction (In.)	1/2"	5/8"
Electrical	Voltage	208/230-1-60	
	Power Supply	Indoor unit powered from outdoor unit	
	Outdoor - MCA	17	24
	Outdoor - Fuse Rating (MOCP)	30	40
Outdoor	Dimensions (W x H x D) In.	30.7 x 21.7 x 11.4	35.4 x 35.0 x 12.6
	Net Weight (lbs.)	98	144.5
	Sound Pressure dBa (Clg / Htg)	48 / 49	49 / 50
Indoor	Dimensions (W x H x D) In.	41.3 x 12.6 x 9.0	
	Net Weight (lbs.)	31.0	
	Number of Fan Speeds	3	
	Airflow (L / M / H) CFM	400 / 430 / 490	370 / 420 / 530
	Sound Pressure dBa (L / M / H) Clg	38 / 41 / 43	38 / 41 / 46
Sound Pressure dBa (H / M / L) Htg	38 / 41 / 43	38 / 41 / 46	

*Condensing unit above or below indoor unit

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



Condensate Pump
53DS-900---118 (208/230V)



See Page 20 for Optional Controls

RAV Series Underceiling System



- Digital inverter compressor technology (18 - 42K BTUH)
- Up to 20.6 SEER, up to 11.0 HSPF
- Slim-line design
- Optional condensate pump
- Optional wired or wireless controller
- Low-ambient cooling down to 5°F
- Auto louver mode
- Power saving mode
- Quiet operation
- Diagnostics
- Filter maintenance indicator
- Clean mode

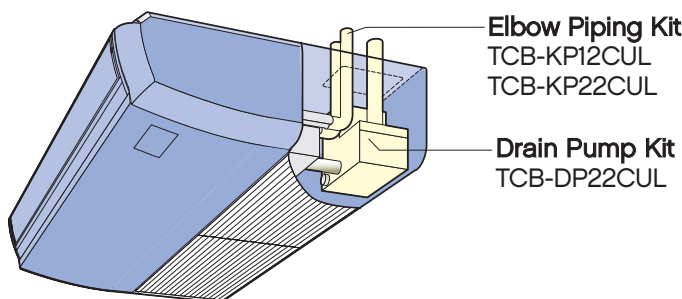
TOSHIBA
Carrier

SUPER
DIGITAL INVERTER



Toshiba Carrier Inverter Underceiling Cooling Only Systems*						
Toshiba Carrier Inverter Underceiling Heat Pump Systems						
System	Size	18	24	30	36	42
	Outdoor Model		RAV-SP180AT2-UL	RAV-SP240AT2-UL	RAV-SP300AT2-UL	RAV-SP360AT2-UL
Indoor Model		RAV-SP180CT-UL	RAV-SP240CT-UL	RAV-SP300CT-UL	RAV-SP360CT-UL	RAV-SP420CT-UL
ENERGY STAR® Qualified		No	No	Yes	Yes	No
Performance	Cooling Rated Capacity Btu/h	17,000	23,700	30,000	36,000	41,000
	Cooling Cap. Range Min - Max Btu/h	3,750 - 19,400	4,700 - 26,900	11,340 - 34,200	11,960 - 41,000	10,980 - 46,700
	SEER / EER	17.0 / 8.6	19.5 / 9.0	20.6 / 13.0	20.4 / 12.0	18.8 / 9.7
	Heating Rated Capacity Btu/h	19,000	28,900	29,800	38,000	44,800
	Heating Cap. Range Min - Max Btu/h	2,800 - 21,700	3,600 - 32,400	9,900 - 33,700	11,700 - 42,750	9,100 - 50,500
	HSPF	10.8		10.3		11.0
Controls	Wireless (°C, °F, Convertible)	Optional - Dedicated °F or °C				
	Wired (°C, °F, Convertible)	Optional - Convertible (see page 20)				
Operating Range	Cooling Outdoor Min - Max DB °F	23 - 109 (5 with wind baffle)				
	Heating Outdoor WB Min - Max °F	-4 - 59				
	Cooling Indoor DB Min - Max °F	69.8 - 89.6				
	Heating Indoor DB Min - Max °F	59 - 82.4				
Piping	Total Piping Length ft.	165'		245'		
	Piping Lift ft.*	100'				
	Pipe Connection Size – Liquid (In.)	1/4"			3/8"	
	Pipe Connection Size – Suction (In.)	1/2"			5/8"	
Electrical	Voltage	208/230-1-60				
	Power Supply	Indoor unit powered from outdoor unit				
	Outdoor - MCA	17			24	
Outdoor	Outdoor - Fuse Rating (MOCP)	30			40	
	Dimensions (W x H x D) In.	30.7 x 21.7 x 11.4	35.4 x 35.0 x 12.6		35.4 x 52.8 x 12.6	
	Net Weight (lbs.)	98	144.5		211.5	
	Sound Pressure dBa (Clg / Htg)	48 / 49	49 / 50	50 / 51	52 / 52	
Indoor	Dimensions (W x H x D) In.	35.8 x 8.3 x 26.8	46.5 x 8.3 x 26.8		62.8 x 8.3 x 26.8	
	Net Weight (lbs.)	46	55		73	
	Number of Fan Speeds	3				
	Airflow (L / M / H) CFM	320 / 360 / 410	330 / 380 / 440	560 / 630 / 720	610 / 690 / 790	
	Sound Pressure dBa (L / M / H) Clg	34 / 37 / 40	37 / 40 / 42	38 / 42 / 45	40 / 44 / 47	
Sound Pressure dBa (L / M / H) Htg	34 / 37 / 40	37 / 40 / 42	38 / 42 / 45	40 / 44 / 47		

*Condensing unit above or below indoor unit † Systems can be programmed to operate in cooling only mode with heating locked out.



See Page 20 for Optional Controls

RAV Series Cassette System

- Digital inverter compressor technology (18 - 42K BTUH)
- Up to 21.0 SEER, up to 11.9 HSPF
- Line lengths up to 245 ft.
- Optional fresh air intake
- Built-in condensate pump
- Independent louver control (fixed or swing)
- Optional wired or wireless controller
- Power saving mode
- Quiet operation
- Diagnostics
- Low-ambient cooling down to 5°F
- Filter maintenance indicator
- Clean mode

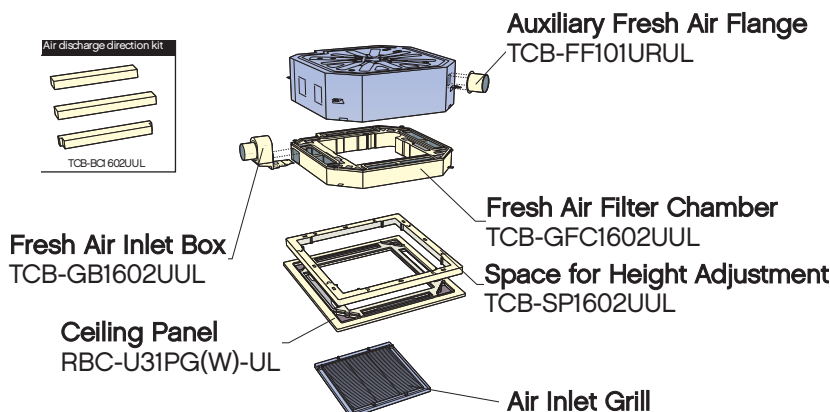
TOSHIBA
Carrier

S U P E R
DIGITAL INVERTER



Toshiba Carrier Inverter Cassette Cooling Only Systems*						
Toshiba Carrier Inverter Cassette Heat Pump Systems						
System	Size	18	24	30	36	42
	Outdoor Model		RAV-SP180AT2-UL	RAV-SP240AT2-UL	RAV-SP300AT2-UL	RAV-SP360AT2-UL
Indoor Model		RAV-SP180UT-UL	RAV-SP240UT-UL	RAV-SP300UT-UL	RAV-SP360UT-UL	RAV-SP420UT-UL
ENERGY STAR® Qualified		No	No	Yes	Yes	No
Performance	Cooling Rated Capacity Btu/h	19,000	25,000	32,000	36,500	40,800
	Cooling Cap. Range Min - Max Btu/h	3,800 - 21,600	5,670 - 28,500	10,470 - 36,460	11,260 - 41,500	10,990 - 46,100
	SEER / EER	20.5 / 10.7	20.7 / 11.0	21.0 / 14.0	21.0 / 13.0	19.0 / 11.5
	Heating Rated Capacity Btu/h	18,800	26,000	33,400	36,000	46,000
	Heating Cap. Range Min - Max Btu/h	3,100 - 21,200	4,100 - 29,900	8,500 - 38,100	8,240 - 40,300	8,400 - 51,500
	HSPF	11.5	9.5	11.0	11.9	10.8
Controls	Wireless (°C, °F, Convertible)	Optional - Dedicated °F or °C				
	Wired (°C, °F, Convertible)	Optional - Convertible (see page 20)				
Operating Range	Cooling Outdoor Min - Max DB °F	23 - 109 (5 with wind baffle)				
	Heating Outdoor WB Min - Max °F	-4 - 59				
	Cooling Indoor DB Min - Max °F	69.8 - 89.6				
	Heating Indoor DB Min - Max °F	59 - 82.4				
Piping	Total Piping Length ft.	165'			245'	
	Piping Lift ft.*	100'				
	Pipe Connection Size - Liquid (in.)	1/4"	3/8"			
	Pipe Connection Size - Suction (in.)	1/2"	5/8"			
Electrical	Voltage	208/230-1-60				
	Power Supply	Indoor unit powered from outdoor unit				
	Outdoor - MCA	17	24			
	Outdoor - Fuse Rating (MOCP)	30	40			
Outdoor	Dimensions (W x H x D) In.	30.7 x 21.7 x 11.4	35.4 x 35.0 x 12.6	35.4 x 52.8 x 12.6		
	Net Weight (lbs.)	98	144.5	211.5		
	Sound Pressure dBa (Clg / Htg)	48 / 49	49 / 50	50 / 51	52 / 52	
Indoor	Unit Dimensions (W x H x D) In.	33.1 x 10.1 x 33.1			33.1 x 12.6 x 33.1	
	Grille Dimensions (W x H x D) In.				37.4 x 1.2 x 37.4	
	Unit Net Weight (lbs.)	44			53	
	Grille Net Weight (lbs.)				10	
	Number of Fan Speeds	3				
	Airflow (L / M / H) CFM	450 / 500 / 600	400 / 480 / 610	610 / 750 / 1050	630 / 730 / 1070	
	Sound Pressure dBa (L / M / H) Clg	32 / 33 / 35	32 / 35 / 39	36 / 40 / 46	38 / 41 / 47	
	Sound Pressure dBa (L / M / H) Htg	32 / 33 / 35	32 / 35 / 39	36 / 40 / 46	38 / 41 / 47	

*Condensing unit above or below indoor unit † Systems can be programmed to operate in cooling only mode with heating locked out.



See Page 20 for Optional Controls

QN Series High Wall System

- Fixed speed (18-36K BTUH)
- Cools down to -20°F outdoor ambient
- 200 ft. line length
- Three-phase, three voltages on size 036
- Cost competitive

Performance
SERIES



Carrier High Wall Cooling Only Systems (QNC Series)							
System	Size	18	24	30	36		
System	Outdoor Model	38HDF018---3	38HDF024---3	38HDF030---3	38HDF036---3	38HDF036---5	38HDF036---6
	Indoor Model	40QNC01824-3	40QNC01824-3	40QNC030---3	40QNC036---3	40QNC036---3	40QNC036---3
Performance	Cooling Rated Capacity Btu/h	16,600	22,000	27,000	34,200		
	SEER / EER	13.0 / 11.8	13.0 / 11.3	13.0 / 11.7	13.0 / 11.3		
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible					
	Wired (°C, °F, Convertible)	Not Available					
Operating Range	Cooling Outdoor Min - Max DB °F	55 - 125 (-20°F w / Low-Ambient Kit)					
	Cooling Indoor DB Min - Max °F	62 - 90					
Piping	Total Piping Length ft.	200'					
	Drop (OD above ID) ft.	200'					
	Lift (OD below ID) ft.	65'					
	Pipe Connection Size - Liquid (in.)	3/8"			3/8"		
Electrical	Pipe Connection Size - Suction (in.)	5/8"			3/4"		
	Voltage	208/230-1-60				208/230-3-60	460-3-60
	Power Supply	Indoor and outdoor units have dedicated power supply					
	Outdoor - MCA	12.1	16.8	18.4	23.8	18	8.3
	Outdoor - Fuse Rating (MOCP)	20	25	30	40	30	15
	Indoor - MCA	0.48				0.55	
Outdoor	Indoor - Fuse Rating (MOCP)	15					
	Dimensions (W x H x D) In.	36.9 x 25.1 x 14.6		36.9 x 31.1 x 14.6		44.6 x 37.2 x 17.1	
	Net Weight (lbs.)	166	176	187	250		
	Sound Pressure dBa	55			61		
Indoor	Dimensions (W x H x D) In.	42.5 x 11.6 x 7.9			57.5 x 13.4 x 9.5		
	Net Weight (lbs.)	31			51		
	Number of Fan Speeds	3					
	Airflow (L / M / H) CFM	460 / 525 / 645			530 / 630 / 730		600 / 750 / 900
Sound Pressure dBa (L / M / H)	38 / 42 / 48			42 / 46 / 49		46 / 49 / 51	

*Condensing unit above or below indoor unit



Condensate Pump
53DS-900---118 (208/230V)

QN Series High Wall System

- Fixed speed (18-36K BTUH)
- Cools down to -20°F outdoor ambient
- 200 ft. line length
- Three-phase, three voltages on size 036
- Cost competitive

Performance
SERIES



Carrier High Wall Heat Pump Systems (QNQ Series)							
System	Size	18	24	30	36		
Outdoor Model		38QRF018---3	38QRF024---3	38QRF030---3	38QRF036---3	38QRF036---5	38QRF036---6
Indoor Model		40QNG018---3	40QNG024---3	40QNG030---3	40QNG036---3	40QNG036---3	40QNG036---3
Performance	Cooling Rated Capacity Btu/h	17,400	22,800	27,000	32,600		
	SEER / EER	13.0 / 11.3	13.0 / 11.5	13.0 / 11.7	13.0 / 10.9		
	Heating Rated Capacity Btu/h	17,000	22,000	28,200	35,600		
	HSPF	7.7					
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible					
	Wired (°C, °F, Convertible)	Not Available					
Operating Range	Cooling Outdoor Min - Max DB °F	55 - 125 (-20°F w / Low-Ambient Kit)					
	Heating Outdoor DB Min - Max °F	17 - 75					
	Cooling Indoor DB Min - Max °F	62 - 90					
	Heating Indoor DB Min - Max °F	62 - 81					
Piping	Total Piping Length ft.	200'					
	Drop (OD above ID) ft.	200'					
	Lift (OD below ID) ft.	65'					
	Pipe Connection Size - Liquid (in.)	3/8"			3/8"		
	Pipe Connection Size - Suction (in.)	5/8"			3/4"		
Electrical	Voltage	208/230-1-60			208/230-3-60		460-3-60
	Power Supply	Indoor and outdoor units have dedicated power supply					
	Outdoor - MCA	12.1	16.8	18.4	23.8	18	8.3
	Outdoor - Fuse Rating (MOCP)	20	25	30	40	30	15
	Indoor - MCA	0.48			0.55		
Outdoor	Indoor - Fuse Rating (MOCP)	15					
	Dimensions (W x H x D) In.	36.9 x 25.1 x 14.6	36.9 x 31.1 x 14.6	44.6 x 37.2 x 17.1			
	Net Weight (lbs.)	166	176	187	232		
	Sound Pressure dBA (Clg / Htg)	55 / 55			61 / 61		
Indoor	Dimensions (W x H x D) In.	42.5 x 11.6 x 7.9			57.5 x 13.4 x 9.5		
	Net Weight (lbs.)	31			51		
	Number of Fan Speeds	3					
	Airflow (L / M / H) CFM	460 / 525 / 645			530 / 630 / 730		600 / 750 / 900
	Sound Pressure (L / M / H) Clg	38 / 42 / 48			42 / 46 / 49		46 / 49 / 51
Sound Pressure (L / M / H) Htg	39 / 43 / 49			44 / 47 / 50		47 / 50 / 52	

*Condensing unit above or below indoor unit



Condensate Pump
53DS-900---118 (208/230V)

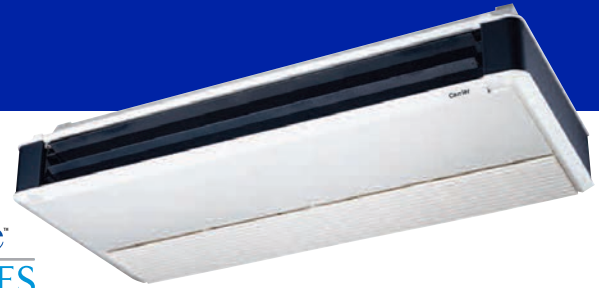
QA Series Underceiling System

- Fixed speed (18-60K BTUH)
- Electro-mechanical controls
- Cools down to -20°F outdoor ambient
- 200 ft. line length
- Optional wired controls with three fan speeds
- Three-phase, three voltages on size 036 / 048 / 060
- Power ventilation kit

Performance
SERIES



53DFS250-HW



Carrier Underceiling Cooling Only Systems							
System	Size	18	24	30	36	48	60
	Outdoor Model		38HDR018---3	38HDR024---3	38HDR030---3	38HDR036---3/5/6	38HDR048---3/5/6
Indoor Model		40QAC024 ---3	40QAC024 ---3	40QAC036 ---3	40QAC036---3	40QAC048---3	40QAC060---3
Performance	Cooling Rated Capacity Btu/h	18,000	23,000	29,000	33,000	46,000	57,000
	SEER / EER	13.0 / 11.5		13.0 / 12.0	13.0 / 11.4	13.0 / 11.5	13.0 / 11.4
Controls	Wireless (°C, °F, Convertible)	Not Available					
	Wired (°C, °F, Convertible)	Standard - Convertible					
Operating Range	Cooling Outdoor Min - Max DB °F	55 - 125 (-20°F w / Low-Ambient Kit)					
	Cooling Indoor DB Min - Max °F	67 - 95					
Piping	Total Piping Length ft.	200'					
	Drop (OD above ID) ft.	200'					
	Lift (OD below ID) ft.	65'					
	Pipe Connection Size – Liquid (In.)	3/8"					
	Pipe Connection Size – Suction (In.)	5/8"	3/4"			7/8"	7/8"
Electrical	Voltage	208/230-1-60			-3 = 208/230-1-60, -5 = 208/230-3-60, -6 = 460-3-60		
	Power Supply	Indoor and outdoor units have dedicated power supply					
	Outdoor - MCA	12.1	16.8	19.1	19.1 / 12.7 / 7.8**	28.7 / 18.6 / 8.6**	34.5 / 21.5 / 10.6**
	Outdoor - Fuse Rating (MOCP)	20	25	30	30 / 20 / 15**	50 / 30 / 15**	60 / 35 / 15**
	Indoor - MCA	0.63		1.6		2	3.3
Outdoor	Indoor - Fuse Rating (MOCP)	15					
	Dimensions (W x H x D) In.	36.9 x 25.1 x 14.5	36.9 x 31.1 x 14.5	44.5 x 37.1 x 17		44.5 x 43.1 x 17	
	Net Weight (lbs.)	166	176	187	250	278	306
	Sound Pressure dBa	57	58	61			
Indoor	Dimensions (W x H x D) In.	50.9 x 9.9 x 23.1		58.7 x 9.9 x 23.1		71.5 x 9.9 x 23.1	91.9 x 9.9 x 23.1
	Net Weight (lbs.)	108		117		149	179
	Number of Fan Speeds	3					
	Airflow (L / M / H) CFM	320 / 400 / 500		640 / 740 / 840		670 / 1160 / 1200	1080 / 1220 / 1600
Sound Pressure dBa (L / M / H)	44 / 46 / 47		52 / 55 / 57		NA / 55 / 56	55 / 58 / 59	

*Condensing unit above or below indoor unit
 **MCA and MOCP are for -3, -5 and -6 respectively
 †Valve connection size is 7/8". Recommended line size is 1-1/8".



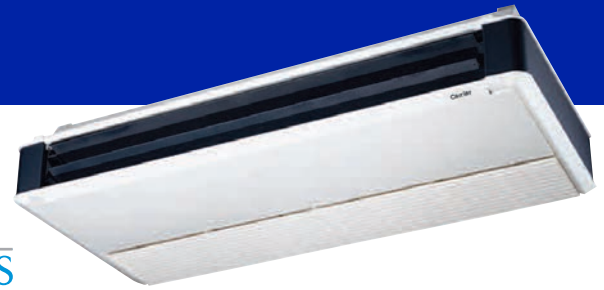
QA Series Underceiling System

- Fixed speed (18-60K BTUH)
- Electro-mechanical controls
- Cools down to -20°F outdoor ambient
- 200 ft. line length
- Optional wired controls with three fan speeds
- Three-phase, three voltages on size 036 / 048 / 060
- Power ventilation kit
- Auxiliary electric heat on heat pumps

Performance
SERIES



53DFS250-HW



Carrier Underceiling Heat Pump Systems								
System	Size	18	24	30	36	48	60	
System	Outdoor Model	38QRR018---3	38QRR024---3	38QRR030---3	38QRR036---3/5/6	38QRR048---3/5/6	38QRR060---3/5/6	
	Indoor Model	40QAQ024---3	40QAQ024---3	40QAQ036---3	40QAQ036---3	40QAQ048---3	40QAQ060---3	
Performance	Cooling Rated Capacity Btu/h	17,000	23,000	28,000	33,000	45,000	56,000	
	SEER / EER	13.0 / 11.7	13.0 / 11.4	13.0 / 11.2	13.0 / 11.6	13.0 / 11.5	13.0 / 11.4	
	Heating Rated Capacity Btu/h	17,000	23,800	28,800	32,000	45,000	56,000	
	HSPF	7.7						
Electric Heat	KW	2		3		4		
	Controls	Wireless (°C, °F, Convertible) Not Available						
Operating Range	Wireless (°C, °F, Convertible)	Standard - Convertible						
	Wired (°C, °F, Convertible)	Standard - Convertible						
	Cooling Outdoor Min - Max DB °F	55 - 125 (-20°F w / Low-Ambient Kit)						
	Heating Outdoor DB Min - Max °F	-20 - 75						
	Cooling Indoor DB Min - Max °F	67 - 95						
Piping	Heating Indoor DB Min - Max °F	55 - 80						
	Total Piping Length ft.	200'						
	Drop (OD above ID) ft.	200'						
	Lift (OD below ID) ft.	65'						
	Pipe Connection Size - Liquid (In.)	3/8"						
Electrical	Pipe Connection Size - Suction (In.)	5/8"			3/4"			
	Voltage	208/230-1-60			-3 = 208/230-1-60, -5 = 208/230-3-60, -6 = 460-3-60			
	Power Supply	Indoor and outdoor units have dedicated power supply						
	Outdoor - MCA	12.1	16.8	17.5	19.1 / 12.7 / 7.8**	28.7 / 18.6 / 8.6**	34.5 / 21.5 / 10.6**	
	Outdoor - Fuse Rating (MOCP)	20	25	30	30 / 20 / 15**	50 / 30 / 15**	60 / 35 / 15**	
	Indoor - MCA	9.29		17.7		23.8		28.7
Outdoor	Indoor - Fuse Rating (MOCP)	15		20		25		
	Dimensions (W x H x D) In.	36.9 x 25.1 x 14.5	36.9 x 31.1 x 14.5	44.5 x 37.1 x 17		44.5 x 43.1 x 17		
	Net Weight (lbs.)	166	176	187	232	278	306	
	Sound Pressure dBa (Clg / Htg)	58 / 58	55 / 55	60 / 60	61 / 61	60 / 60	61 / 61	
Indoor	Dimensions (W x H x D) In.	50.9 x 9.9 x 23.1		58.7 x 9.9 x 23.1		71.5 x 9.9 x 23.1		
	Net Weight (lbs.)	110		119		151		
	Airflow (L / M / H) CFM	320 / 400 / 500		640 / 740 / 840		670 / 1160 / 1200		
	Number of Fan Speeds	3						
	Sound Pressure dBa (L / M / H) Clg	47 / 48 / 48		52 / 55 / 57		NA / 55 / 56		
Sound Pressure dBa (L / M / H) Htg	47 / 48 / 48		52 / 55 / 57		NA / 55 / 56			

*Condensing unit above or below indoor unit
 **MCA and MOCP are for -3, -5 and -6 respectively

Optional Controllers for Toshiba Carrier RAV systems



**Individual Wired Controller
RBC-AMS51E-ES**

- Clock display and schedule timer
- Backlit
- Local control of individual fan coil
- 1°F temperature indication
- Set temperature range limiting



**Simple Wired Remote Control
RBC-AS21UL**

- Start/Stop
- Temperature setting
- Air flow changing
- Check code display



**Individual Wired Controller
RBC-AMT32UL and RBC-AMS41UL**

- Local control of individual fan coil
- Clock display and schedule timer (RBC-AMS41UL only):
 - Possible to program schedule timer (7-day timer) function
 - Possible to program eight functions for each day of the week
- * The following items can be set in program: Operation Time, Operation Start/Stop, Operation Mode, Temperature Setting, Restriction on button operation

Wireless Remote Control Kit

- Start/Stop
- Changing mode
- Temperature setting
- Air flow changing
- Timer function
- Control by two remote controllers is available. Two wireless remote controllers can operate one indoor unit. The indoor unit can then be operated separately from the two different locations.
- Check code display



Wireless Remote
(Included with Receivers to the Right)



**Stand Alone Receiver
TCB-AX21UL**
(For All RAV Models)



**Integral Receiver
RBC-AX31U(W)-UL**
(For 4-Way Cassette)



**Integral Receiver
RBC-AX22CUL**
(For Ceiling)

Variable Refrigerant Flow

Heat Recovery and Heat Pump Systems
for Commercial Applications

Toshiba Carrier offers both ductless and ducted comfort solutions for all applications: residential, light commercial and larger commercial buildings.

- Residential solutions include indoor units designed to blend perfectly with home interiors. These products also incorporate advanced filtration systems to deliver optimum comfort.
- Light commercial solutions combine top performance, comfort and energy efficiency.
- Large commercial solutions include VRF systems with an optimized combination of energy efficiency, flexibility and comfort. These systems are designed with a wide choice of stylish indoor units that blend with a variety of interior decors.

Your Toshiba Carrier distributor also handles a full line of Carrier comfort solutions, including chillers, rooftops, and VRF systems. That means you have access to all the solutions you need, all from one convenient, reliable source that you already trust.

Learn more about Toshiba Carrier VRF in catalog 01-VRF-006-10.



SHRM 
SUPER HEAT RECOVERY MULTI

SMMS 
SUPER MODULAR MULTI SYSTEM



Turn to the Experts

Willis Carrier invented air conditioning in 1902. Over 100 years later, we're proud to say Carrier® systems are trusted in more homes than any other brand.

Carrier continues to be on the forefront of innovative engineering and unsurpassed standards of excellence. So when choosing a home comfort system, you'll want to turn to the experts. Your Carrier dealer will evaluate your home, such as window placement and size, ductwork, other structural specifics and lifestyle to provide a customized indoor comfort plan designed specifically for you. And when you have an expert helping you make an educated decision, you're going to feel more comfortable.



turn to the experts™ 

www.carrier.com

1-800-CARRIER

A member of the United Technologies Corporation family.
Stock Symbol UTX.

© Carrier Corporation 9/2014

01-DFS-035-25

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.



Always look for these symbols, the air conditioning and heat pump industry seals of certified performance, efficiency and capacity.