

Ductless Systems













Right product for the right application











Right Product for the Right Application

	Single-Zone	Multi-Zone	Light Commercial
TOSHIBA <i>Carrier</i>	RAS System High Wall (Up to 23 SEER)		RAV-**KRT System High Wall RAV-**UT System Cassette RAV-**CT System Underceiling (Up to 23 SEER)
INFINITY <i>SERIES</i>	GR System High Wall (Up to 30.5 SEER)	GJ System Multi-Zone (Up to 22 SEER)	
Performance <i>SERIES</i>	MA System High Wall (Up to 23.5 SEER) MB*C System Cassette MB*D System Ducted MB*F System Floor Console (Up to 21.5 SEER) GV System High Wall (16 SEER)	MG System Multi-Zone (Up to 22 SEER) GVM System Multi-Zone (16 SEER)	MB*D System Ducted (Up to 16.5 SEER) QA System Underceiling (13 SEER) QN System High Wall (13 SEER)
Comfort <i>SERIES</i>	MF System High Wall (15 SEER)		









Residential Ductless Single-Zone Systems

Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
RAS High Wall	 	9 - 22K	Up to 23.0 / 10.0	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	4 - 5
GR High Wall	 	9 - 18K	Up to 30.5 / 10.3	INFINITY SERIES	Variable-Speed (Inverter)	6 - 7
MA High Wall MB*C Cassette MB*D Ducted MB*F Floor Console	    	9 - 48K	Up to 23.5 / 10.7	Performance SERIES	Variable-Speed (Inverter)	8 - 15
GV High Wall		9 - 22K	16.0 / 8.0-9.5	Performance SERIES	Variable-Speed (Inverter)	16 - 17
MF High Wall		9 - 22K	15.0 / 8.2	Comfort SERIES	Variable-Speed (Inverter)	18 - 19

Residential Ductless Multi-Zone Systems

Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
GJ Multi-Zone	  Up to NINE   	18 - 56K	Up to 22.0 / 10.2	INFINITY SERIES	Variable-Speed (Inverter)	20 - 22
MG Multi-Zone	  Up to FIVE   	18 - 48K	22.0 / 10.0	Performance SERIES	Variable-Speed (Inverter)	23 - 25
GVM Multi-Zone	  Up to FIVE	FCU 9-18K CDU 18-42K	16.0 / 8.0-8.2	Performance SERIES	Variable-Speed (Inverter)	26 - 27

Light Commercial Ductless Systems

Model	Appearance	Size	SEER / HSPF	Series	Compressor Type	Page
RAV High Wall		18 - 24K	16.7 - 19.5 / 9.8 - 11.5	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	28
RAV Cassette	 	18 - 24K	19.0 - 21.0 / 9.5 - 11.9	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	29
RAV Underceiling	 	18 - 42K	17.0 - 20.6 / 10.3 - 11.0	TOSHIBA <i>Carrier</i>	Variable-Speed (Inverter)	30
MB*D Ducted		36 - 48K	Up to 16.5 / 10.5	Performance SERIES	Variable-Speed (Inverter)	32
QA		18 - 60K	13.0 / 7.7	Performance SERIES	Fixed Speed	33
QN		18 - 36K	13.0 / 7.7	Performance SERIES	Fixed Speed	34

RAS Series High Wall Systems

- Cooling Only - RASEACV
- Heat Pump - RASEAV
- Heat Pump with Basepan Heater - RASEAV2

Variable-Speed (Inverter)
Up to 23.0 SEER
Up to 10.0 HSPF
Sizes: 09 / 12 / 15 / 17 / 22
Twelve Systems qualify for ENERGY STAR®

Features:

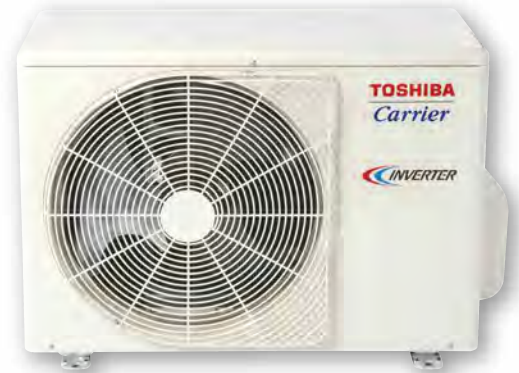
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto Louver mode
- High Power mode
- Sleep mode
- One-Touch Memory
- Quiet operation, as low as 26 dB(A) (Indoor)
- Piping length up to 66 ft.
- Cooling operating range 0° ~ 115°F (-18° ~ 46°C)
- Heating operating range -4° ~ 75°F (-20° ~ 24°C)

Controls:

Wireless Remote Controller included with indoor unit
Wired Remote Controller °F or °C (optional)

Accessories:

Condensate Pump
Insulated 25' Line Set



Select Systems



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

RAS Series High Wall System Specs

Toshiba-Carrier High Wall Cooling Only Systems						
System	Size	9	12	15	17	22
	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
	Energy Star *	YES	YES	YES	YES	NO
Contr 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	2,750~17050	3,750~20,450	4,100~22,500
	SEER	20	23	20	19	16
	EER	13	12.6	13	12.6	8.3
Controc	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 - Liq. (in.)	1/4		1/4		
	Pipe Connection Size - Vap. (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

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 *	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	2,750~17050	3,750~20,450	4,100~22,500
	SEER	20	23	20	19	15.5
	EER	13	12.6	13	12.6	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
Controc	HSPF	10	9.7	10	10	10
	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 - Liq. (in.)	1/4		1/4		
	Pipe Connection Size - Vap. (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

GR Series High Wall System

High-Efficiency and High-Performance Heat Pump with Basepan Heater

Variable-Speed (Inverter) Two-Stage Compressor
Up to 30.5 SEER
10.3 HSPF
Sizes: 09 / 12 / 18
All Systems qualify for ENERGY STAR®

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- 80% heating capacity at -22°F
- White and Gray options
- Auto Louver mode
- 180° Vertical Air Supply
- X-Fan mode
- Dehumidifying mode
- Seven Fan Speeds
- Sleep mode
- Quiet operation, as low as 26 dB(A) (Indoor)
- 46°F Heating Mode (Heating Setback)
- *I FEEL* function
- Piping length up to 82 ft.
- Cooling operating range 0° ~ 129°F (-18° ~ 54°C)
- Heating operating range -22° ~ 75°F (-30° ~ 24°C)

Controls:

Wireless Remote Controller included with indoor unit
Smart Phone Control (in home)

Accessories:

Condensate Pump
Insulated 25' Line Set



Available in Gray or White



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

GR Series High Wall System Specs

Carrier High Walls - Heat Pump (GRQ Series)					
System	Size		9	12	18
	System	Outdoor Model		38GRQB09---3	38GRQB12---3
Indoor Model (White)			40GRQB09H--3	40GRQB12H--3	40GRQB18H--3
Indoor Model (Gray)			40GRQB09B--3	40GRQB12B--3	40GRQB18B--3
Energy Star®			YES	YES	YES
Performance	Cooling Rated Capacity	Btu/h	9,000	12,000	18,000
	Cooling Cap. Range Min - Max	Btu/h	1,535 ~ 12,966	2,900 ~ 15,354	4,435 ~ 21,496
	SEER		30.5	23.0	21.0
	EER		15.8	12.8	12.5
	Heating Rated Capacity	Btu/h	9,000	13,000	19,000
	Heating Cap. Range Min - Max	Btu/h	2,388 ~ 13,648	3,071 ~ 18,766	3,753 ~ 24,566
	HSPF		10.3	10.3	10.3
	COP	W/W	4.19	3.12	3.09
	Heating Capacity @ 5F	Btu/h	9,000	12,185	18,521
	Controls	Wireless Remote Controller (*F/°C Convertible)			Standard
Wired Remote Controller (*F/°C Convertible)				Not available	
Operating Range	Cooling Outdoor DB Min - Max	°F	0 ~ 129	0 ~ 129	0 ~ 129
	Heating Outdoor DB Min - Max	°F	-22 ~ 75	-22 ~ 75	-22 ~ 75
	Cooling Indoor DB Min - Max	°F	64 ~ 95	64 ~ 95	64 ~ 95
	Heating Indoor DB Min - Max	°F	32 ~ 86	32 ~ 86	32 ~ 86
Piping	Total Piping Length	Ft.	82	82	82
	Piping Lift*	Ft.	33	33	33
	Pipe Connection Size - Liquid	In.	1/4"	1/4"	1/4"
	Pipe Connection Size - Suction	In.	1/2"	1/2"	5/8"
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
	Power Supply		Indoor unit powered from outdoor unit		
	MCA	A.	12	13	19
Outdoor	MOCF - Fuse Rating	A.	15	20	30
	Unit Width	In.	35.4	35.4	38.6
	Unit Height	In.	23.5	23.5	31.1
	Unit Depth	In.	14.9	14.9	16.8
	Net Weight	Lbs.	99.2	97.0	141.1
	Airflow	CFM	1412	1412	2354
	Sound Pressure	dB(A)	53	55	59
Indoor	Unit Width	In.	37.8	37.8	37.8
	Unit Height	In.	12.6	12.6	12.6
	Unit Depth	In.	8.1	8.1	8.1
	Net Weight (lbs.)	Lbs.	30.9	30.9	30.9
	Number of Fan Speeds		7	7	7
	Airflow (lowest to highest)	CFM	206/235/294/324/353/383/412	265/294/353/383/412/441/471	324/353/412/441/471/500/530
	Sound Pressure (lowest to highest)	dB(A)	22/24/26/30/34/38/41	23/25/27/31/35/39/42	26/28/31/35/39/43/48
	Air throw Data	Ft.	29.5	29.5	29.5

* Condensing unit above or below indoor unit

MA Series High Wall System

Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 23.5 SEER

Up to 10.0 HSPF

Sizes: 09 / 12 / 18 / 24 / 30

Six systems qualify for ENERGY STAR®

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Auto louver mode
- Turbo mode
- Sleep mode
- Dehumidification mode
- *Follow me*
- 46°F Heating Mode (Heating Setback)
- Quiet operation
- Piping length 82 ft. ~ 164 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wireless Remote Controller included with indoor unit

Wired Remote Controller (optional)

Accessories:

Condensate Pump (115V and 230V option)

Insulated 25' Line Set



Select Systems



Condensate Pump

53DS-900---117 (115V)

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



Optional Wired Controller

KSACN0101CAC

MA Series High Wall System Specs

Carrier High Walls - Heat Pump (MA Series)									
System	Size	9	12	9	12	18	24	30	
Outdoor Model		38MAQB09---1	38MAQB12---1	38MAQB09---3	38MAQB12---3	38MAQB18---3	38MAQB24---3	38MAQB30---3	
Indoor Model		40MAQB09B--1	40MAQB12B--1	40MAQB09B--3	40MAQB12B--3	40MAQB18B--3	40MAQB24B--3	40MAQB30B--3	
Energy Star ⁺		YES	YES	YES	YES	YES	YES	NO	
Performance	Cooling Rated Capacity	Btu/h	9,000	12,000	9,000	12,000	17,500	23,000	30,000
	Cooling Cap. Range Min - Max	Btu/h	3500 ~ 11000	4000 ~ 13000	3500 ~ 11000	4000 ~ 13000	4500 ~ 18000	5500 ~ 23500	8000 ~ 30500
	SEER		23.5	21.5	23.5	21.5	19.5	20.0	16.5
	EER		14.5	13	14.5	13	12.5	12.5	9.5
	Heating Rated Capacity	Btu/h	10,000	12,000	10,000	12,000	18,000	25,000	32,000
	Heating Cap. Range Min - Max	Btu/h	4,500 ~ 11,500	5,000 ~ 13,500	4,500 ~ 11,500	5,000 ~ 13,500	5,500 ~ 19,000	6,000 ~ 26,000	9,000 ~ 34,000
	HSPF		10.0	10.0	10.0	10.0	9.6	10.0	9.6
COP	W/W	3.36	3.22	3.66	3.36	3.36	3.22	2.92	
Controls	Wireless Remote Controller (*F/*C Convertible)	Standard							
	Wired Remote Controller (*F/*C Convertible)	Optional							
Operating Range	Cooling Outdoor DB Min - Max	*F	4 ~ 122	4 ~ 122	4 ~ 122	4 ~ 122	4 ~ 122	4 ~ 122	4 ~ 122
	Heating Outdoor DB Min - Max	*F	4 ~ 86	4 ~ 86	4 ~ 86	4 ~ 86	4 ~ 86	4 ~ 86	4 ~ 86
	Cooling Indoor DB Min - Max	*F	63 ~ 90	63 ~ 90	63 ~ 90	63 ~ 90	63 ~ 90	63 ~ 90	63 ~ 90
	Heating Indoor DB Min - Max	*F	32 ~ 86	32 ~ 86	32 ~ 86	32 ~ 86	32 ~ 86	32 ~ 86	32 ~ 86
Piping	Total Piping Length	Ft.	82	82	82	82	98	98	164
	Piping Lift [*]	Ft.	32	32	32	32	65	65	82
	Pipe Connection Size - Liquid	in.	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Pipe Connection Size - Suction	in.	3/8	1/2	3/8	1/2	1/2	5/8	5/8
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	115-1-60	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Power Supply	Indoor unit powered from outdoor unit							
	MCA	A.	15	15	15	15	15	15	20
	MOCP - Fuse Rating	A.	20	20	15	15	20	25	30
Outdoor	Unit Width	in.	31.9	31.9	31.9	31.9	33.3	37.2	37.2
	Unit Height	in.	22.0	22.0	22.0	22.0	27.6	31.9	31.9
	Unit Depth	in.	12.2	12.2	12.2	12.2	12.6	15.6	15.6
	Net Weight	Lbs.	82.5	82.5	82.5	82.5	102.5	137.6	157.6
	Airflow	CFM	1200	1200	1200	1200	1390	2130	2130
Indoor	Sound Pressure	dB(A)	56	56	56	56	59	60	63
	Unit Width	in.	32.9	32.9	32.9	32.9	39.0	46.7	46.7
	Unit Height	in.	11.0	11.0	11.0	11.0	12.4	13.4	13.4
	Unit Depth	in.	7.8	7.8	7.8	7.8	8.6	10.2	10.2
	Net Weight	Lbs.	19.2	19.2	19.2	19.2	26.5	40.1	40.1
Number of Fan Speeds		4	4	4	4	4	4	4	
Airflow (lowest to highest)	CFM	210/290/360/380	210/300/360/380	210/290/360/380	210/300/360/380	310/450/650/680	520/620/780/870	520/620/780/870	
Sound Pressure (lowest to highest)	dB(A)	27/34/42	27/34/42	27/34/42	27/34/42	33/40/46	39/45/50	39/45/50	
Air throw Data	Ft.	23	23	23	23	30	36	36	

* Condensing unit above or below indoor unit

MB*C Series Cassette System

Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 20.5 SEER

Up to 10.0 HSPF

Sizes: 09 / 12 / 18

All systems qualify for ENERGY STAR®

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Timer
- Auto-Restart Function
- Built-in condensate pump
- Louver control (fixed or swing)
- *Follow me*
- 46°F Heating Mode (heating setback)
- Piping length 82 ft. ~ 98 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wireless Remote Controller included with indoor unit
Wired Remote Controller (optional)

Accessories:

Insulated 25' Line Set



Optional Wired Controller
KSACN0101CAC

MB*C Series Cassette System Specs

Carrier Cassette - Heat Pump (MB*C Series)					
System	Size		9	12	18
	Outdoor Model		38MAQB09---3	38MAQB12---3	38MAQB18---3
	Indoor Model		40MBQB09C--3	40MBQB12C--3	40MBQB18C--3
	Energy Star®		YES	YES	YES
Performance	Cooling Rated Capacity	Btu/h	9,000	12,000	16,000
	Cooling Cap. Range Min - Max	Btu/h	3,500 ~ 11,000	4,000 ~ 13000	4,500 ~ 18,000
	SEER		19.0	20.5	19.0
	EER		13.0	13.0	12.5
	Heating Rated Capacity	Btu/h	10,000	12,000	18,000
	Heating Cap. Range Min - Max	Btu/h	4,500 ~ 11,500	5,000 ~ 13500	5,500 ~ 19,000
	HSPF		10.0	9.8	9.0
Controls	Wireless Remote Controller (°F/°C Convertible)		Standard		
	Wired Remote Controller (°F/°C Convertible)		Optional		
Operating Range	Cooling Outdoor DB Min - Max	°F	4 ~ 122	4 ~ 122	4 ~ 122
	Heating Outdoor DB Min - Max	°F	4 ~ 86	4 ~ 86	4 ~ 86
Piping	Total Piping Length	Ft.	82	82	98
	Piping Lift*	Ft.	32	32	65
	Pipe Connection Size - Liquid	In.	1/4	1/4	1/4
	Pipe Connection Size - Suction	In.	3/8	1/2	1/2
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Power Supply		Indoor unit powered from outdoor unit		
	MCA	A.	15	15	15
	MOCP - Fuse Rating	A.	15	15	20
Outdoor	Unit Width	In.	31.9	31.9	33.3
	Unit Height	In.	22.0	22.0	27.6
	Unit Depth	In.	12.2	12.2	12.6
	Net Weight	Lbs.	82.5	82.5	102.5
	Airflow	CFM	945	945	1050
	Sound Pressure	dB(A)	56	56	59
Indoor	Body Unit Width	In.	22.4	22.4	22.4
	Body Unit Height	In.	10.2	10.2	10.2
	Body Unit Depth	In.	22.4	22.4	22.4
	Body Net Weight	Lbs.	35.3	35.3	39.7
	Panel Unit Width	In.	25.5	25.5	25.5
	Panel Unit Height	In.	2.0	2.0	2.0
	Panel Unit Depth	In.	25.5	25.5	25.5
	Panel Net Weight	Lbs.	5.5	5.5	5.5
	Number of Fan Speeds		3	3	3
	Airflow (lowest to highest)	CFM	260/320/380	280/340/400	290/350/420
Sound Pressure (lowest to highest)	dB(A)	34/39/44	36/39/42	46/48/50	

* Condensing unit above or below indoor unit

MB*D Series Ducted System

Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 19.0 SEER

Up to 10.5 HSPF

Sizes: 09 / 12 / 18 / 24

All systems qualify for ENERGY STAR®

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Timer
- One-touch memory
- *Follow me*
- 46°F Heating Mode (Heating Setback)
- Piping length 82 ft. ~ 98 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wired and Wireless Remote Controller
(included with indoor unit)

Accessories:

Condensate Pump

Insulated 25' Line Set



Condensate Pump

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



MB*D Series Ducted System Specs

Carrier Ducted - Heat Pump (MB*D Series)						
System			9	12	18	24
System	Outdoor Model		38MAQB09---3	38MAQB12---3	38MAQB18---3	38MAQB24---3
	Indoor Model		40MBQB09D--3	40MBQB12D--3	40MBQB18D--3	40MBQB24D--3
	Energy Star [®]		YES	YES	YES	YES
Performance	Cooling Rated Capacity	Btu/h	9,000	11,000	16,000	23,000
	Cooling Cap. Range Min - Max	Btu/h	3,500 ~ 11,000	4,000 ~ 13,000	4,500 ~ 18,000	5,500 ~ 24,500
	SEER		19.0	18.0	18.5	19.0
	EER		13.5	12.5	12.5	12.5
	Heating Rated Capacity	Btu/h	10,000	11,800	18,000	24,400
	Heating Cap. Range Min - Max	Btu/h	4,500 ~ 11,500	5,000 ~ 13,500	5,500 ~ 19,000	6,000 ~ 26,000
	HSPF		9.6	9.0	9.6	10.5
Controls	Wireless Remote Controller (°F/°C Convertible)		Standard			
	Wired Remote Controller (°F/°C Convertible)		Standard			
Operating Range	Cooling Outdoor DB Min - Max	°F	4 ~ 122	4 ~ 122	4 ~ 122	4 ~ 122
	Heating Outdoor DB Min - Max	°F	4 ~ 86	4 ~ 86	4 ~ 86	4 ~ 86
Piping	Total Piping Length	Ft.	82	82	98	98
	Piping Lift [*]	Ft.	32	32	65	65
	Pipe Connection Size - Liquid	In.	1/4	1/4	1/4	3/8
	Pipe Connection Size - Suction	In.	3/8	1/2	1/2	5/8
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Power Supply		Indoor unit powered from outdoor unit			
	MCA	A.	15	15	15	15
	MOCP - Fuse Rating	A.	15	15	20	25
Outdoor	Unit Width	In.	31.9	31.9	33.3	37.2
	Unit Height	In.	22.0	22.0	27.6	31.9
	Unit Depth	In.	12.2	12.2	12.6	15.6
	Net Weight	Lbs.	82.4	82.4	120.5	134.0
	Airflow	CFM	945	945	1050	1390
	Sound Pressure	dB(A)	56	56	59	62
Indoor	Unit Width	In.	27.6	27.6	36.2	36.2
	Unit Height	In.	8.3	8.3	8.3	10.6
	Unit Depth	In.	25.0	25.0	25.0	25.0
	Net Weight	Lbs.	39.9	39.9	50.7	57.3
	Number of Fan Speeds		3	3	3	3
	Airflow (lowest to highest)	CFM	290/340/380	290/340/380	400/440/480	590/650/810
	Sound Pressure (lowest to highest)	dB(A)	30/33/36	30/34/38	34/37/38	43/45/48
Max Static Pressure	In.WG.	0.16	0.16	0.28	0.28	

* Condensing unit above or below indoor unit

MB*F Series Floor Console System

Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 20.5 SEER

Up to 10.0 HSPF

Sizes: 09 / 12

All systems qualify for ENERGY STAR®

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Timer
- Auto-Restart Function
- *Follow me*
- 46°F Heating Mode (Heating Setback)
- Piping length 82 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wireless Remote Controller included with indoor unit

Wired Remote Controller (optional)

Accessories:

Condensate Pump

Insulated 25' Line Set



Condensate Pump

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



Optional Wired Controller

KSACN0101CAC

MB*F Series Floor Console System Specs

Carrier Floor Console - Heat Pump (MB*F Series)				
System	Size		9	12
	Outdoor Model		38MAQB09---3	38MAQB12---3
	Indoor Model		40MBQB09F--3	40MBQB12F--3
	Energy Star®		YES	YES
Performance	Cooling Rated Capacity	Btu/h	9,000	12,000
	Cooling Cap. Range Min - Max	Btu/h	3,500 ~ 11,000	4,000 ~ 13,000
	SEER		20.0	20.5
	EER		12.5	12.5
	Heating Rated Capacity	Btu/h	10,000	12,000
	Heating Cap. Range Min - Max	Btu/h	4,500 ~ 11,500	5,000 ~ 13,500
	HSPF		10	9.8
Controls	Wireless Remote Controller (°F/°C Convertible)		Standard	
	Wired Remote Controller (°F/°C Convertible)		Optional	
Operating Range	Cooling Outdoor DB Min - Max	°F	4 ~ 122	4 ~ 122
	Heating Outdoor DB Min - Max	°F	4 ~ 86	4 ~ 86
Piping	Total Piping Length	Ft.	82	82
	Piping Lift*	Ft.	32	32
	Pipe Connection Size - Liquid	In.	1/4	1/4
	Pipe Connection Size - Suction	In.	3/8	1/2
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60
	Power Supply		Indoor unit powered from outdoor unit	
	MCA	A.	15	15
	MOCP - Fuse Rating	A.	15	15
Outdoor	Unit Width	In.	31.9	31.9
	Unit Height	In.	22.0	22.0
	Unit Depth	In.	12.2	12.2
	Net Weight	Lbs.	82.5	82.5
	Airflow	CFM	945	945
	Sound Pressure	dB(A)	56	56
Indoor	Unit Width	In.	27.6	27.6
	Unit Height	In.	8.3	8.3
	Unit Depth	In.	23.6	23.6
	Net Weight	Lbs.	32.4	32.4
	Number of Fan Speeds		3	3
	Airflow (lowest to highest)	CFM	220/250/280	220/250/280
	Sound Pressure (lowest to highest)	dB(A)	37/38/41	34/41/45

* Condensing unit above or below indoor unit

GV Series High Wall System

Heat Pump with Basepan Heater

Variable-Speed (Inverter)
Up to 16.0 SEER
Up to 9.5 HSPF
Sizes: 09 / 12 / 18 / 24 / 36

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Timer
- Sleep mode
- Auto-Restart Function
- Dehumidification mode
- 46°F Heating Mode (Heating Setback)
- Piping length 82 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wireless Remote Controller included with indoor unit
Wired Remote Controller (optional)

Accessories:

Condensate Pump
Insulated 25' Line Set



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

GV Series High Wall System Specs

Carrier Inverter High Wall Cooling Only Systems (GVC Series)							
System	Size	9	12	12	18	24	36
System	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 / 12	16 / 9.4	16 / 9.8	16 / 11.1	16 / 10	16 / 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 - Fuse Rating (MOCP)	20	25	15	25	25	35
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	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
	Sound Pressure dBa	53	55	52	56	53	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	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 / -

Carrier Inverter High Wall Heat Pump Systems (GVQ Series)								
System	Size	9	12	12	18	24	30	36
System	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 / 12	16 / 9.4	16 / 9.8	16 / 11.1	16 / 10	16 / 9.3	16 / 8.3
	Heating Rated Capacity Btu/h	10000	13000	12000	19200	26600	30600	36400
	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	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	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

MF Series High Wall System

Cooling Only – MFC
Heat Pump – MFQ

Variable-Speed (Inverter)
15.0 SEER
8.2 HSPF (Heat Pump Only)
Sizes: 09 / 12 / 17 / 18 / 22

Features:

- Cost Competitive
- Auto louver mode
- Turbo mode
- *Follow me*
- Sleep mode
- Dehumidification mode
- One-touch memory
- Piping length 65 ft. ~ 100 ft.
- Cooling operating range 14° ~ 115°F (-10° ~ 46°C)
- Heating operating range 5° ~ 75°F (-15° ~ 24°C)

Accessories:

Condensate Pump (115V and 230V option)
Insulated 25' Line Set



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



Optional Wired Controller
KSACN0101CAC

MF Series High Wall System Specs

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
	Energy Star®	NO		NO		NO	NO	NO
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		15		15	15	
	EER	10		9		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
Sound Pressure dBa (L / M / H)	43/39/34		44/40/36		45/41/37		50/46/42	

Carrier High Walls - Heat Pump (MFQ Series)									
System	Size	9		12		17	22		
	Outdoor Model	38MFQ009---1		38MFQ012---1		38MFQ012---3	38MFQ017---3	38MFQ022---3	
	Indoor Model	40MFQ009---1		40MFQ012---1		40MFQ012---3	40MFQ017---3	40MFQ022---3	
	Energy Star®	NO		NO		NO	NO	NO	
Performance	Cooling Rated Capacity Btu/h	9,000		12,000		17,000	22,000		
	Cooling Cap. Range Min - Max Btu/h	4,000 ~ 10,000		4,500 ~ 13,000		5,500 ~ 19,000	6,50 ~ 24,000		
	SEER	15		15		15	15		
	EER	10.5		9.5		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	6,50 ~ 24,500		
HSPF	8.2		8.2		8.2	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		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

GJ Series Multi-Zone System

Multi-Zone Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 22.0 SEER

Up to 10.2 HSPF

Sizes: 18 / 24 / 30 / 36 / 42 / 48 / 56

Three systems qualify for ENERGY STAR®

Features:

- Connect 2 ~ 9, multiple style indoor units (Infinity® Series)
 - High Wall (GR¹ and GJ*B)
 - Cassette (GJ*C)
 - Ducted (GJ*D)
 - Floor Console (GJ*F)
- Piping length 66 ft. ~ 476 ft.
- Cooling operating range 0° ~ 119°F (-18° ~ 48°C)
- Heating operating range -4° ~ 75°F (-20° ~ 24°C)

Controls:

Wireless Remote Controller included with each indoor unit

Wired Remote Controller included with each Ducted and Cassette indoor unit (optional on GJ*B High Wall)

Smart Phone Controls (optional)

Accessories:

Condensate Pump

- Available as standard on Ducted and Cassette indoor units

Insulated 25' Line Set

Branch Boxes (for sizes 48 – 56)

¹ 40GR High Wall not connectable for multi-zone outdoor unit sizes 48k and 56k



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



Optional Wired Controller
KSACN0201AAA

Not available for GR & GJ*F units)



Select Systems

GJ Series Multi-Zone System Specs

Carrier Multi Zone - Heat Pump (GJ Series)																
System	Size	18		24		30		36		42		48		56		
	Outdoor Model		38GJQC18--3		38GJQC24--3		38GJQC30--3		38GJQC36--3		38GJQC42--3		38GJQC48--3		38GJQC56--3	
Max Number of Zones		2		3		4		4		5		8		9		
Energy Star*		YES		NO		YES		YES		NO		NO		NO		
Performance Non-Ducted	Cooling Rated Capacity	Btu/h	18,000		26,000		29,000		34,000		39,000		48,000		53,000	
	Cooling Cap. Range Min - Max	Btu/h	7000 ~ 21000		7500 ~ 33000		8189 ~ 33438		8871 ~ 35826		8871 ~ 40944		3412 ~ 54592		3412 ~ 61416	
	SEER		22		20.5		21		21		21		16		16	
	EER		12.5		9.5		12		12.4		10.43		9.56		9.45	
	Heating Rated Capacity	Btu/h	19,000		29,000		31,600		42,500		45,000		54,500		61,500	
	Heating Cap. Range Min - Max	Btu/h	8530 ~ 22600		7500 ~ 35000		8189 ~ 32414		8871 ~ 44356		8871 ~ 46062		4094 ~ 59368		4094 ~ 63122	
	HSPF		9		10.2		10.2		10.2		10.2		8.2		8.2	
	COP	W/W	3.47		3.67		3.75		3.72		3.61		3.64		3.46	
	Cooling Rated Capacity	Btu/h	18,000		26,000		29,200		34,000		39,500		48,500		53,000	
	Cooling Cap. Range Min - Max	Btu/h	7000 ~ 21000		7500 ~ 33000		7195 ~ 32118		16511.5 ~ 36395.5		11335.5 ~ 41872		7706 ~ 53296		8456 ~ 58708	
SEER		18		17.25		17.75		17.9		17.85		15.75		15.75		
EER		11		8.75		10.55		11.25		10.1		9.2		9.1		
Heating Rated Capacity	Btu/h	19,000		29,000		31,800		43,000		46,000		54,500		61,000		
Heating Cap. Range Min - Max	Btu/h	8530 ~ 22600		7500 ~ 35000		7344.5 ~ 32457		8051 ~ 44550.5		8185.5 ~ 46531		10047 ~ 56934		1004 ~ 34611		
HSPF		9		9.6		10		9.9		9.9		8.2		8.2		
COP	W/W	3.28		3.32		3.52		3.42		3.36		3.37		3.23		
Cooling Rated Capacity	Btu/h	18,000		26,000		29,200		34,000		39,500		48,500		52,500		
Cooling Cap. Range Min - Max	Btu/h	7000 ~ 21000		7500 ~ 33000		6200 ~ 30800		12706 ~ 36965		13800 ~ 42800		12000 ~ 52000		13500 ~ 56000		
SEER		14		14		14.5		14.8		14.7		15.5		15.5		
EER		9.5		8		9.1		10.1		9.8		8.8		8.7		
Heating Rated Capacity	Btu/h	19,000		29,000		32,000		43,500		46,500		54,500		60,500		
Heating Cap. Range Min - Max	Btu/h	8530 ~ 22600		7500 ~ 35000		6500 ~ 32500		7231 ~ 44745		7500 ~ 47000		16000 ~ 54500		16000 ~ 61000		
HSPF		9		9		9.8		9.6		9.6		8.2		8.2		
COP	W/W	3.08		3		3.28		2.96		3.1		3.1		3		
Cooling Outdoor DB Min - Max	*F	0 ~ 119		0 ~ 119		0 ~ 119		0 ~ 119		0 ~ 119		5 ~ 119		5 ~ 119		
Heating Outdoor DB Min - Max	*F	-4 ~ 75		-4 ~ 75		-4 ~ 75		-4 ~ 75		-4 ~ 75		-4 ~ 75		-4 ~ 75		
Piping	Total Piping Length	Ft.	65		196		246		246		246		443		476	
	Piping to furthest FCU	Ft.	33		65		82		82		82		229		229	
	Drop (OD above ID)	Ft.	32		32		49		49		49		98		98	
	Lift (OD below ID)	Ft.	33		33		49		49		49		98		98	
Electrical	Voltage, Phase, Cycle	V/PH/Hz	208/230-1-60		208/230-1-60		208/230-1-60		208/230-1-60		208/230-1-60		208/230-1-60		208/230-1-60	
	Power Supply		Indoor unit powered from outdoor unit													
Outdoor	MCA	A.	15		21		19		21		24		30		30	
	MOCP - Fuse Rating	A.	25		35		30		35		40		50		50	
	Unit Width	In.	37.6		38.6		38.6		42.8		42.8		35.4		35.4	
	Unit Height	In.	27.6		31.1		31.1		43.4		43.4		53		53	
	Unit Depth	In.	15.6		16.8		17.3		17.3		17.3		13.4		13.4	
	Net Weight	Lbs.	114.7		153.2		145.5		198.4		198.4		255.7		255.7	
	Airflow	CFM	1883		2354		2330		4531		4531		3766		4119	
	Sound Pressure	dB(A)	56		59		59		61		61		57		57	

Indoor High Wall (GR)	Size	9		12		18	
	Model (White)	40GRQB09H--3		40GRQB12H--3		40GRQB18H--3	
Model (Silver)	40GRQB09B--3		40GRQB12B--3		40GRQB18B--3		
Unit Width	In.	37.8		37.8		37.8	
Unit Height	In.	12.6		12.6		12.6	
Unit Depth	In.	8.1		8.1		8.1	
Net Weight	Lbs.	30.9		30.9		30.9	
Number of Fan Speeds		7		7		7	
Airflow (lowest to highest)	CFM	206/235/294/324/353/383/412		265/294/353/383/412/441/471		324/353/412/441/471/500/530	
Sound Pressure (lowest to highest)	dB(A)	22/24/26/30/34/38/41		23/25/27/31/35/39/42		26/28/31/35/39/43/48	
Wireless Remote Controller (*F/C Convertible)		Standard					
Wired Remote Controller (*F/C Convertible)		Not Available					

Indoor High Wall (GJFE)	Size	9		12		18		24	
	Model	40GJQB09B--3		40GJQB12B--3		40GJQB18B--3		40GJQB24B--3	
Unit Width	In.	34.1		34.1		40.1		46.4	
Unit Height	In.	11.5		11.5		12.6		2.8	
Unit Depth	In.	8.2		8.2		9.1		10.4	
Net Weight	Lbs.	24.3		24.3		30.9		38.6	
Number of Fan Speeds		7		7		7		7	
Airflow (lowest to highest)	CFM	224/241/271/312/359/394/430		224/241/271/312/359/394/453		282/330/371/418/465/512/589		294/353/412/471/530/588/647	
Sound Pressure (lowest to highest)	dB(A)	23/26/30/34/36/38/42		24/26/30/34/36/38/44		33/36/38/41/44/47/51		38/41/43/45/47/49/52	
Wireless Remote Controller (*F/C Convertible)		Standard							
Wired Remote Controller (*F/C Convertible)		Optional							

Indoor Ducted (GJTD)	Size	9		12		18		21		24	
	Model	40GJQB09D--3		40GJQB12D--3		40GJQB18D--3		40GJQB21D--3		40GJQB24D--3	
Unit Width	In.	24.2		24.2		24.2		24.2		24.2	
Unit Height	In.	7.9		7.9		7.9		7.9		7.9	
Unit Depth	In.	27.6		27.6		35.4		43.3		43.3	
Net Weight	Lbs.	48.5		50.7		59.5		68.3		68.3	
Number of Fan Speeds		3		3		3		3		3	
Airflow (lowest to highest)	CFM	147/176/264		176/235/323		294/353/411		323/441/588		323/441/588	
Sound Pressure (lowest to highest)	dB(A)	31/34/37		32/35/39		33/37/41		34/38/42		34/38/42	
Max Static Pressure	In.WG.	0.04		0.04		0.04		0.06		0.06	
Wireless Remote Controller (*F/C Convertible)		Standard									
Wired Remote Controller (*F/C Convertible)		Standard									

Indoor Floor Console (GJFC)	Size	9		12		18	
	Model	40GJQB09F--3		40GJQB12F--3		40GJQB18F--3	
Unit Width	In.	8.5		8.5		8.5	
Unit Height	In.	23.6		23.6		23.6	
Unit Depth	In.	27.6		27.6		27.6	
Net Weight	Lbs.	33.1		33.1		33.1	
Number of Fan Speeds		7		7		7	
Airflow (lowest to highest)	CFM	188/217/253/282/311/ 329/ 382		205/ 264/294/ 323/353/ 382/441		241/311/ 341/ 382/ 423/470/ 494	
Sound Pressure (lowest to highest)	dB(A)	25/ 26/ 30/ 33/ 36/ 38/ 40		27/ 32/ 35/ 37/ 38/ 40/43		33/ 35/ 37/ 41/ 44/ 46/ 48	
Wireless Remote Controller (*F/C Convertible)		Standard					
Wired Remote Controller (*F/C Convertible)		Not Available					

Indoor Cassette (GJCC)	Size	12		18		24	
	Model	40GJQB12C--3		40GJQB18C--3		40GJQB24C--3	
Unit Width	In.	22.4		22.4		22.4	
Unit Height	In.	9.1		9.1		9.4	
Unit Depth	In.	22.4		22.4		33.1	
Net Weight	Lbs.	39.7		39.7		61.7	
Number of Fan Speeds		3		3		3	
Airflow	CFM	265/294/353		265/294/353		500/ 559/694	
Sound Pressure (lowest to highest)	dB(A)	42/44/46		42/44/46		35/37/39	
Wireless Remote Controller (*F/C Convertible)		Standard					
Wired Remote Controller (*F/C Convertible)		Standard					

MG Series Multi-Zone System

Multi-Zone Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 22.0 SEER

Up to 10.0 HSPF

Sizes: 18 / 27 / 36 / 48

Three systems qualify for ENERGY STAR®

Features:

- Connect 2 ~ 5, multiple style indoor units (Performance™ Series)
- Piping length 66 ft. ~ 98 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wireless Remote Controller included with each indoor unit

Wired Remote Controller included with each Ducted indoor unit (optional on others)

Accessories:

Condensate Pump

Insulated 25' Line Set



Condensate Pump

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



Optional Wired Controller

KSACN0101CAC



Select Systems

MG Series Multi-Zone System Specs

Carrier Multi Zone - Heat Pump (MG Series)						
System	Size		18	27	36	48
		Outdoor Model		38MGQC18--3	38MGQD27--3	38MGQF36--3
	Max Number of Zones		2	3	4	5
	Energy Star®		YES	YES	NO	YES
Performance Non-Ducted	Cooling Rated Capacity		Btu/h 18,000	25,000	36,000	42,000
	Cooling Cap. Range Min - Max		Btu/h 8,500 ~ 20,000	9,000 ~ 30,000	9,500 ~ 37,000	10,000 ~ 50,000
	SEER		21	22	18	20
	EER		12.5	12.5	8.8	12.5
	Heating Rated Capacity		Btu/h 18,500	32,000	36,000	49,000
	Heating Cap. Range Min - Max		Btu/h 9,000 ~ 22,000	9,500 ~ 32,000	10,000 ~ 39,000	10,500 ~ 55,000
Performance Combination Ducted and Non-Ducted	Cooling Rated Capacity		Btu/h 17,500	26,000	35,000	42,000
	Cooling Cap. Range Min - Max		Btu/h 8,500 ~ 20,000	9,000 ~ 30,000	9,500 ~ 36,500	10,000 ~ 50,000
	SEER		19.5	19.25	16.5	19
	EER		12.5	11	8.5	11.75
	Heating Rated Capacity		Btu/h 18,250	32,000	36,000	50,000
	Heating Cap. Range Min - Max		Btu/h 9,000 ~ 22,000	9,500 ~ 32,000	10,000 ~ 39,000	10,500 ~ 55,000
Performance Ducted	Cooling Rated Capacity		Btu/h 17,000	27,000	34,000	42,000
	Cooling Cap. Range Min - Max		Btu/h 8,500 ~ 20,000	9,000 ~ 30,000	9,500 ~ 36,000	10000 ~ 50000
	SEER		18	16.5	15	18
	EER		12.5	9.5	8.2	11
	Heating Rated Capacity		Btu/h 18,000	32,000	36,000	51,000
	Heating Cap. Range Min - Max		Btu/h 9000 ~ 22000	9500 ~ 32000	10,000 ~ 39,000	10,500 ~ 55,000
Operating Range	Cooling Outdoor DB Min - Max		°F 4 ~ 122	4 ~ 122	4 ~ 122	4 ~ 122
	Heating Outdoor DB Min - Max		°F 4 ~ 86	4 ~ 86	4 ~ 86	4 ~ 86
Piping	Total Piping Length		98	147	196	245
	Piping to furthest FCU		Ft. 98	98	98	98
	Drop (OD above ID)		Ft. 32	32	32	32
	Lift (OD below ID)		Ft. 32	32	32	32
	Voltage, Phase, Cycle		V/Ph/Hz 208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Electrical	Power Supply		Indoor unit powered from outdoor unit			
	MCA		A. 15	18	27	29
	MOCP - Fuse Rating		A. 20	30	45	50
	HSPF		8.5	8.8	9.3	9.5
Outdoor	Unit Width		In. 33.3	37.2	37.2	36.9
	Unit Height		In. 27.6	31.9	31.9	53.9
	Unit Depth		In. 12.6	15.6	15.6	15.4
	Net Weight		Lbs. 114.6	154.8	169.8	255.5
	Airflow		CFM 1,390	2,130	2,130	3,500
	Sound Pressure		dB(A) 60	63	63	64
High Wall 40MA Indoor Unit	Size		9	12	18	24
	Model		40MAQB09B--3	40MAQB12B--3	40MAQB18B--3	40MAQB24B--3
	Unit Width		In. 32.9	32.9	39.0	46.7
	Unit Height		In. 11.0	11.0	12.4	13.4
	Unit Depth		In. 7.8	7.8	8.6	10.2
	Net Weight		Lbs. 19.2	19.2	26.5	40.1
	Number of Fan Speeds		4	4	4	4
	Airflow (lowest to highest)		CFM 210/290/360/380	210/300/360/380	310/450/650/680	520/620/780/870
	Sound Pressure (lowest to highest)		dB(A) 27/34/42	27/34/42	33/40/46	39/45/50
	Air throw Data		Ft. 23.0	23.0	30.0	36.0
	Wireless Remote Controller (°F/°C Convertible)		Standard			
Wired Remote Controller (°F/°C Convertible)		Optional				
Ducted 40MB*D Indoor Unit	Size		9	12	18	24
	Model		40MBQB09D--3	40MBQB12D--3	40MBQB18D--3	40MBQB24D--3
	Unit Width		In. 27.6	27.6	36.2	36.2
	Unit Height		In. 8.3	8.3	8.3	10.6
	Unit Depth		In. 25.0	25.0	25.0	25.0
	Net Weight		Lbs. 39.9	39.9	50.7	57.3
	Number of Fan Speeds		3	3	3	3
	Airflow (lowest to highest)		CFM 290/340/380	290/340/380	400/440/480	590/650/810
	Sound Pressure (lowest to highest)		dB(A) 30/33/36	30/34/38	34/37/38	43/45/48
	Max Static Pressure		In.WG. 0.16	0.16	0.28	0.28
	Wireless Remote Controller (°F/°C Convertible)		Standard			
Wired Remote Controller (°F/°C Convertible)		Standard				
Cassette 40MB*C Indoor Unit	Size		9	12	18	
	Model		40MBQB09C--3	40MBQB12C--3	40MBQB18C--3	
	Unit Width		In. 22.4	22.4	22.4	
	Unit Height		In. 10.2	10.2	10.2	
	Unit Depth		In. 22.4	22.4	22.4	
	Net Weight		Lbs. 35.3	35.3	39.7	
	Number of Fan Speeds		3	3	3	
	Airflow (lowest to highest)		CFM 260/320/380	280/340/400	290/350/420	
	Sound Pressure (lowest to highest)		dB(A) 34/39/44	36/39/42	46/48/50	
	Wireless Remote Controller (°F/°C Convertible)		Standard			
	Wired Remote Controller (°F/°C Convertible)		Optional			
Floor Console 40MB*F Indoor Unit	Size		9	12		
	Model		40MBQB09F--3	40MBQB12F--3		
	Unit Width		In. 27.6	27.6		
	Unit Height		In. 8.3	8.3		
	Unit Depth		In. 23.6	23.6		
	Net Weight		Lbs. 32.4	32.4		
	Number of Fan Speeds		3	3		
	Airflow (lowest to highest)		CFM 220/250/280	220/250/280		
	Sound Pressure (lowest to highest)		dB(A) 37/38/41	34/41/45		
	Wireless Remote Controller (°F/°C Convertible)		Standard			
	Wired Remote Controller (°F/°C Convertible)		Optional			

MG Series Multi-Zone Combinations

Outdoor Unit Model	2-Zone	3-Zone	4-Zone	5-Zone
38MGQC18---3	9+9 9+12 12+12			
38MGQD27---3	9+9 9+12 9+18 12+12 12+18	9+9+9 9+9+12 9+9+18 9+12+12 12+12+12		
38MGQF36---3	9+18 12+12 12+18 18+18	9+9+9 9+9+12 9+9+18 9+12+12 9+12+18 9+18+18 12+12+12 12+12+18 12+18+18	9+9+9+9 9+9+9+12 9+9+9+18 9+9+12+12 9+9+12+18 9+12+12+12	
38MGQF48---3	18+18 18+24 24+24	9+9+18 9+9+24 9+12+12 9+12+18 9+12+24 9+18+18 9+18+24 9+24+24 12+12+12 12+12+18 12+12+24 12+18+18 12+18+24 12+24+24 18+18+18 18+18+24	9+9+9+9 9+9+9+12 9+9+9+18 9+9+9+24 9+9+12+12 9+9+12+18 9+9+12+24 9+9+18+18 9+9+18+18 9+9+18+24 9+12+12+12 9+12+12+18 9+12+12+18 9+12+12+24 9+12+18+18 9+18+18+18 12+12+12+12 12+12+12+18 12+12+12+24 12+12+18+18	9+9+9+9+9 9+9+9+9+12 9+9+9+9+18 9+9+9+9+24 9+9+9+12+12 9+9+9+12+18 9+9+9+12+18 9+9+9+18+18 9+9+12+12+12 9+9+12+12+18 9+12+12+12+12 9+12+12+12+18 9+12+12+12+18 12+12+12+12+12

GVM Series Multi-Zone System

Multi-Zone Heat Pump with Basepan Heater

Variable-Speed (Inverter)

Up to 16.0 SEER

Up to 8.2 HSPF

Sizes: 18 / 27 / 36 / 48

Three systems qualify for ENERGY STAR®

Features:

- Connect 2 ~ 5, multiple style indoor units
- Three indoor capacities: 9K, 12K and 18K
- Modes: Cool, Heat, Dry, Fan, Auto
- Timer
- Sleep mode
- Auto-Restart Function
- Dehumidification mode
- 46°F Heating Mode (Heating Setback)
- Piping length 82 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)

Controls:

Wireless Remote Controller included with each indoor unit

Wired Remote Controller included with each Ducted indoor unit (optional on others)

Accessories:

Condensate Pump

Insulated 25' Line Set



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



GVM Series Multi-Zone System Specs

Carrier Multi-Split 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	16 / 10.2	16 / 8.2	16 / 7.3	16 / 8.0	16 / 9.3
	EER					
	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					
	Model	40GVM009-3	40GVM012-3	40GVM018-3		
	Dimensions (W X H X D) In	33.3 x 10.7 x 7.1			37.0 x 11.7 x 7.9	
	Net Weight (lbs.)	22			29	
	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		

RAV Series Light Commercial High Wall System

Heat Pump

Variable-Speed (Inverter)
 Up to 19.5 SEER
 Up to 11.5 HSPF
 Sizes: 18 / 24

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Auto louver mode
- Turbo mode
- Sleep mode
- Dehumidification mode
- One-touch memory
- Quiet operation, as low as 38 dB(A) (indoor)
- Filter maintenance indicator
- Piping length 165 ft.
- Cooling operating range 0° ~ 110°F (-18° ~ 44°C) with wind baffle
- Heating operating range -4° ~ 59°F (-15° ~ 15°C)

Controls:

Wireless Remote Controller (included with indoor unit)
 Wired Remote Controller (optional)

Accessories:

Condensate Pump
 Insulated 25' Line Set



TOSHIBA
Carrier

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 / ERR	19.5 / 10	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	
Operating Range	Cooling Outdoor Min - Max DB °F	23 - 110 (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'	
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	
	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 27 for Optional Controls

RAV Series Light Commercial Cassette System

Heat Pump

Variable-Speed (Inverter)
 Up to 21.0 SEER
 Up to 11.9 HSPF
 Sizes: 18 / 24 / 30 / 36 / 42
 Two systems qualify for ENERGY STAR®

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Built-in condensate pump
- Outside air intake
- Branch duct capability
- Independent louver control (fixed or swing)
- Power saving mode
- Sleep mode
- Filter maintenance indicator
- Piping length 165 ft. ~ 245 ft.
- Cooling operating range 0° ~ 110°F (-18° ~ 44°C) with wind baffle
- Heating operating range -4° ~ 59°F (-15° ~ 15°C)



Controls:

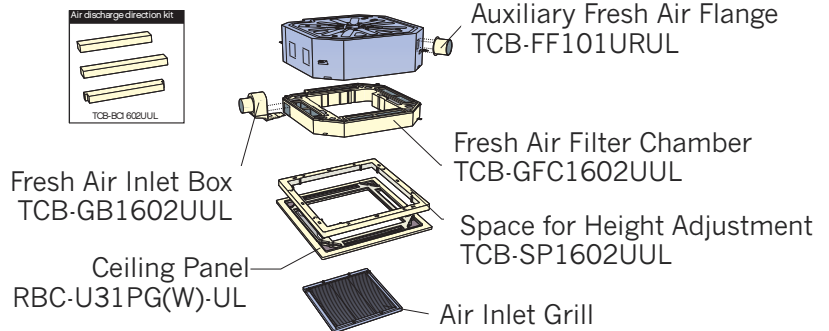
Controller not included with indoor unit, must order:
 – Wireless Remote Controller
 – Wired Remote Controller (convertible)

Accessories:

Outside air intake
 Air discharge direction kit



TOSHIBA
Carrier



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	RAV-SP420AT2-UL
Indoor Model		RAV-SP180UT-UL	RAV-SP240UT-UL	RAV-SP300UT-UL	RAV-SP360UT-UL	RAV-SP420UT-UL
Energy Star®		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	20.5	20.7	21.0	21.0	19.0
	EER	10.7	11.0	14.0	13.0	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				
Operating Range	Cooling Outdoor Min - Max DB °F	23 ~ 115 (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'				
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	
	Unit Dimensions (W X H X D) In	33.1 x 10.1 x 33.1		33.1 x 12.6 x 33.1		
Indoor	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.

RAV Series Light Commercial Underceiling System

Heat Pump

Variable-Speed (Inverter)
 Up to 20.6 SEER
 Up to 11.0 HSPF
 Sizes: 18 / 24 / 30 / 36 / 42
 Two systems qualify for ENERGY STAR®

Features:

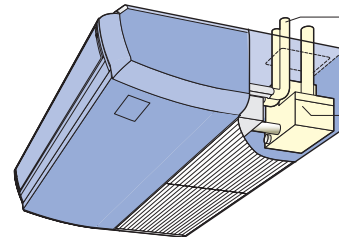
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-Louver mode
- Outside Air intake
- Power saving mode
- Sleep mode
- Dehumidification mode
- Filter maintenance indicator
- Piping length 165 ft. ~ 245 ft.
- Cooling operating range 0° ~ 110°F (-18° ~ 44°C) with wind baffle
- Heating operating range -4° ~ 59°F (-15° ~ 15°C)

Controls:

Controller not included with indoor units, must order:
 Wireless Remote Controller
 Wired Remote Controller (convertible)

Accessories:

Condensate Pump
 Elbow Piping Kit



Elbow Piping Kit
 TCB-KP12CUL
 TCB-KP22CUL

Drain Pump Kit
 TCB-DP22CUL

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	RAV-SP420AT2-UL
	Indoor Model	RAV-SP180CT-UL	RAV-SP240CT-UL	RAV-SP300CT-UL	RAV-SP360CT-UL	RAV-SP420CT-UL
	Energy Star®	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	17.0	19.5	20.6	20.4	18.8
	EER	8.6	9.0	13.0	12.0	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	10.3	11.0	11.0
Controls	Wireless (°C, °F, Convertible)	Optional - Dedicated °F or °C				
	Wired (°C, °F, Convertible)	Optional - Convertible				
Operating Range	Cooling Outdoor Min - Max DB °F	23 ~ 110 (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'				
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	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.

Optional Controllers for Toshiba Carrier RAV Series 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

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



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



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



Wireless Remote
(Included with RAV Receivers)



Integral Receiver
RBC-AX22CUL (For Ceiling)

MB*D Series Light Commercial Ducted System

Heat Pump with Basepan Heater

Variable-Speed (Inverter)
Up to 16.5 SEER
Up to 10.5 HSPF
Sizes: 36 / 48

Controls:

Wireless and Wired Remote Controller included with indoor unit

Accessories:

Condensate Pump

Features:

- Modes: Cool, Heat, Dry, Fan, Auto
- Timer
- One-touch memory
- Auto restart
- 46°F Heating Mode
- Long distance switch and alarm
- Piping length 213 ft.
- Cooling operating range 4° ~ 122°F (-15° ~ 50°C)
- Heating operating range 4° ~ 86°F (-15° ~ 30°C)



Carrier Ducted - Heat Pump (MB*D Series)					
System	Size		36	48	
		Outdoor Model		38MBQB36--3	38MBQB48--3
	Indoor Model		40MBQB36D--3	40MBQB48D--3	
	Energy Star*		NO	NO	
Performance	Cooling Rated Capacity		Btu/h	36,000	48,000
	Cooling Cap. Range Min - Max		Btu/h	8,500 ~ 38,000	9,000 ~ 50,000
	SEER			15.5	16.5
	EER			8.5	8.2
	Heating Rated Capacity		Btu/h	38,000	50,000
	Heating Cap. Range Min - Max		Btu/h	9,500 ~ 50,000	10,000 ~ 55,000
	HSPF			10.5	10.0
Controls	Wireless Remote Controller (°F/°C Convertible)		Standard		
	Wired Remote Controller (°F/°C Convertible)		Standard		
Operating Range	Cooling Outdoor DB Min - Max		°F	4 ~ 122	4 ~ 122
	Heating Outdoor DB Min - Max		°F	4 ~ 86	4 ~ 86
Piping	Total Piping Length		Ft.	213	213
	Piping Lift*		Ft.	98	98
	Pipe Connection Size - Liquid		In.	3/8	3/8
	Pipe Connection Size - Suction		In.	5/8	5/8
Electrical	Voltage, Phase, Cycle		V/Ph/Hz	208/230-1-60	208/230-1-60
	Power Supply		Indoor unit powered from outdoor unit		
	MCA		A.	30	35
	MOCP - Fuse Rating		A.	50	55
Outdoor	Unit Width		In.	37.2	36.9
	Unit Height		In.	31.9	53.9
	Unit Depth		In.	15.6	15.4
	Net Weight		Lbs.	160.9	220.0
	Airflow		CFM	2940	4240
	Sound Pressure		dB(A)	65	65
Indoor	Unit Width		In.	44.9	47.2
	Unit Height		In.	10.6	11.8
	Unit Depth		In.	30.5	34.1
	Net Weight		Lbs.	77.2	99.2
	Number of Fan Speeds			3	3
	Airflow (lowest to highest)		CFM	680/940/1180	940/1180/1470
	Sound Pressure (lowest to highest)		dB(A)	46/50/52	41/44/46
Max Static Pressure		In.WG.	0.32	0.40	

* Condensing unit above or below indoor unit

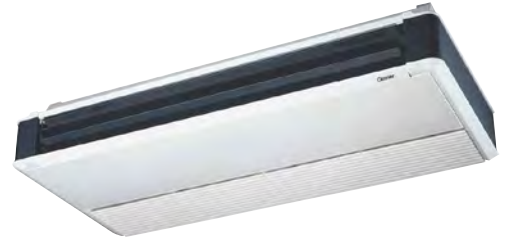
QA Series Underceiling Systems

Features:

- 13 SEER
- 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



53DFS250-HW



Carrier Underceiling Cooling Only Systems								
System	Size	18	24	30	36	48	60	
Outdoor Model		38HRO18---3	38HRO24---3	38HRO30---3	38HRO36---3/5/6	38HRO48---3/5/6	38HRO60---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 / 11.5		13 / 12.0	13 / 11.4	13 / 11.5	13 / 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 - Liq (In.)	3/8"						
	Pipe Connection Size - Vap (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
	Indoor - Fuse Rating (MOCP)	15						
Outdoor	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		
	Net Weight (lbs.)	108		117		149		
	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

Carrier Underceiling Heat Pump Systems								
System	Size	18	24	30	36	48	60	
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 / 11.7	13 / 11.4	13 / 11.2	13 / 11.6	13 / 11.5	13 / 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						
	Wired (*C, *F, Convertible)	Standard - Convertible						
Operating Range	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						
	Heating Indoor DB Min - Max *F	55-80						
Piping	Total Piping Length ft.	200'						
	Drop (OD above ID) ft.	200'						
	Lift (OD below ID) ft.	65'						
	Pipe Connection Size - Liq (In.)	3/8"						
	Pipe Connection Size - Vap (In.)	5/8"		3/4"		3/4"		
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	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
	Indoor - Fuse Rating (MOCP)	15						
Outdoor	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.)	75.3	79.8	84.8	105.2	126.1	138.8	
	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		1080 / 1220 / 1600
	Number of Fan Speeds	3						
	Sound Pressure dBA (L / M / H) Clg	47 / 48 / 48		52 / 55 / 57		NA / 55 / 56		55 / 58 / 59
	Sound Pressure dBA (L / M / H) Htg	47 / 48 / 48		52 / 55 / 57		NA / 55 / 56		55 / 58 / 59

† Valve Connection size is 7/8". Recommended line size is 1 - 1/8"

QN Series High Wall Systems

Features:

- 13 SEER
- 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								
System	Size	18	24	30	36			
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 / 11.8	13 / 11.3	13 / 11.7	13 / 11.3			
Controls	Wireless (°C, °F, Convertible)	Standard - Convertible						
	Wired (°C, °F, Convertible)	Optional - Convertible						
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 - Liq (In.)				3/8"			
	Pipe Connection Size - Vap (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	
	Indoor - Fuse Rating (MOCP)	15						
Outdoor	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		

Carrier High Wall Heat Pump Systems								
System	Size	18	24	30	36			
Outdoor Model		38QRF018---3	38QRF024---3	38QRF030---3	38QRF036---3	38QRF036---5	38QRF036---6	
Indoor Model		40QNC018---3	40QNC024---3	40QNC030---3	40QNC036---3	40QNC036---3	40QNC036---3	
Performance	Cooling Rated Capacity Btu/h	17,400	22,800	27,000	32,600			
	SEER/EER	13 / 11.3	13 / 11.5	13 / 11.7	13 / 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)	Optional - Convertible						
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						
Piping	Heating Indoor DB Min - Max °F	62~81						
	Total Piping Length ft.	200'						
	Drop (OD above ID) ft.	200'						
	Lift (OD below ID) ft.	65'						
	Pipe Connection Size - Liq (In.)				3/8"			
	Pipe Connection Size - Vap (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	
	Indoor - Fuse Rating (MOCP)	15						
Outdoor	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



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 

TOSHIBA
Carrier



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™ 

1-800-CARRIER
www.carrierductless.com

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

© Carrier Corporation 2/2015

01-DLS-005-25

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 conditioner industry seals of certified performance, efficiency and capacity.