

# Versatile Multi-Zone Split Systems

**INVERTER++®**

19~22.5 SEER Ultra High Efficiency

Heat Pump + DC Inverter in One System

Multi Zone (9,000 ~ 24,000 BTU/hr)

Two, Three, Four and Five Zones

Five Matching Indoor Unit Styles



For those who only want the **BEST**



## STANDARD FEATURES INDOOR UNITS

- Five Models (Wall, Ducted, Cassette, Ceiling, Floor)
- Four Capacity Options (9,000/12,000/18,000/24,000 Btu)
- Wireless And Wired Digital Remote Controllers
- Cool, Heat, Auto, Fan Only And Dehumidification Modes
- Permanent Washable Return Air Filters
- Ultra Modern Designs
- High Efficiency Variable Speed Fan Motors
- Self Adjusting Cooling & Heating Capacity Controls
- Standard Digital 4 Lead Control Circuitry
- Mix Indoor Unit Models And Types To Match Any Decor
- Mix Indoor Unit Capacities For Each Zone's Heat Load
- Grooved Copper Tube, Hydrophilic Aluminum Fin Coil
- Quiet But Powerful Blower System
- Permanently Lubricated Fan Motor W/ Ball Bearings
- Electronic Motor Controller
- Rust Free Condensate Drain Pan
- Multiple Power And Control Wiring Knockouts
- Various Accessories To Match Each Model Type
- Optional Entralized Controller
- Optional Digital Programmable Thermostats

## STANDARD FEATURES OUTDOOR UNITS

- Available In 2, 3, 4 And 5 Zone Versions.
- Ultra High Efficiency DC Inverter++ Versions
- Ultra High Full Load And Partial Load Efficiencies
- Cooling And Heating Functions Down To -13 F Ambient
- Quiet And Highly Efficient Major Brand Compressor
- Heavy Gauge Zink Coated Galvanized Steel Casing
- Durable Polyester-urethane Paint
- Clean Looking Light Beige Color
- High Efficiency Variable Speed Ecm Fan Motor
- Permanently Lubricated Fan Motor Wit Ball Bearings
- Axial Flow Fan(S) With High Air Volume
- Electronic Expansion Valves For Each Circuit
- Plastic Coated Wire Fan Guard
- Grooved Copper Tube, Hydrophilic Aluminum Fin Coil
- Whisper Quiet Operation
- Self Training Intelligent Defrost Logic
- Flare Type Brass Service Valves With Pressure Ports
- Factory Charged For Up To 25' Line Set Per Circuit
- Standardized Cabinet Design Across Models
- Environmentally Friendly R410a Refrigerant

## ACCESSORIES & OPTIONS



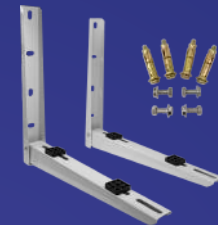
UVC Bacterial Disinfection Kit



Line Cover Kit



Line Set Flushing Kit



Mounting Brackets



Mounting Base



Surge Protection



Condensate Pump



MODEL SERIES		YN-M SERIES, Inverter ++ Version (19.5 to 22.5 SEER Range) Multi Zone <b>Ductless</b> Systems				YN-M SERIES, Inverter ++ Version (19.0 to 21.0 SEER Range) Multi Zone <b>Ducted</b> Systems				
Outdoor Unit Model Number (2, 3, 4 and 5 Circuit Multi Zone)		YN020GMFI22M2E	YN030GMFI22M3E	YN040GMFI22M4E	YN050GMFI22M5E	YN020GMFI22M2E	YN030GMFI22M3E	YN040GMFI22M4E	YN050GMFI22M5E	
Outdoor Unit Code		22022316001345	22022316001285	22022316001305	22022316001646	22022316001345	22022316001285	22022316001305	22022316001646	
Indoor Unit Model Number (Selected For Below Rating Data)		WS009GMFI22HLE (2)	WS009GMFI22HLE (3)	WS009GMFI22HLE (4)	WS009GMFI22HLE (5)	RB009GMFILDHFD (2)	RB009GMFILDHFD (3)	RB009GMFILDHFD (4)	RB009GMFILDHFD (5)	
Power supply		V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	
Cooling Performance	Rated Capacity (Min - Max Range)	BTU / h	18,000 (4,950 - 23,000)	27,000 (8,500 - 32,000)	36,000 (8,789 - 40,288)	48,000 (11,600 - 49,700)	18,000 (3,850 - 22,400)	28,000 (9,277 - 30,776)	36,000 (8,789 - 40,288)	49,000 (19,400 - 51,000)
	Rated Power Input	W	1,440	2,250	3,270	4,360	1,500	2,400	3,270	4,740
	Rated Current	A	6.55	10.20	14.85	19.80	6.85	10.90	14.85	21.50
	EER / EER2	BTU / W	12.5 / 12.5	12 / 12.2	10.5 / 10.6	11 / 11	12 / 12	11.2 / 11.7	11 / 11	10.1 / 10.8
	SEER / SEER2	BTU / W	21.5 / 21	22.5 / 23.5	21.8 / 23.1	21 / 21.1	19 / 19	21 / 21	19.5 / 20	20.5 / 20.5
Heating Performance	Rated Capacity (Min - Max Range)	BTU / h	19,000 (4,900 - 23,000)	28,000 (8,200 - 35,000)	37,000 (6,900 - 46,624)	48,000 (33,000 - 52,900)	19,000 (4,350 - 22,400)	28,000 (8,388 - 30,776)	37,000 (6,900 - 46,624)	50,000 (19,400 - 51,000)
	Rated Power Input	W	1,520	2,250	3,015	4,370	1,465	2,245	3,015	3,950
	Rated Current	A	6.90	10.20	13.70	19.90	6.65	10.20	13.70	18.00
	COP	W / W	3.67	3.65	3.60	3.22	3.80	3.65	3.60	3.57
	HSPF / HSPF2	BTU / W	10.6 / 10.2	10.2 / 9.2	11.5 / 9.6	10.5 / 9.5	10.8 / 9.8	10.2 / 9.2	10.7 / 9.2	11.5 / 9.7
Low Heating Capacity (@17F)	BTU / h	11,800	16,200	22,000	31,000	11,800	16,000	22,000	30,400	
MINIMUM CIRCUIT AMPACITY (Full Set)	A	18.0	24.5	25.0	40.0	18.0	24.5	25.0	40.0	
MAX.FUSE (Full Set)	A	25	30	30	60	25	30	30	60	
Outdoor Fan Motor	Model		ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-85-8-22-5 (Two)	ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-85-8-22-5 (Two)
	Brand		Weiling	Weiling	Weiling	Weiling	Weiling	Weiling	Weiling	Weiling
	Speed (Hi / Md / Lo / Min)	RPM	750 / 600 / 500	1050 / 900 / 850	1,000 / 900 / 750	900 / 850 / 800 / 750	750 / 600 / 500	1050 / 900 / 850	1,000 / 900 / 750	900 / 850 / 800 / 750
Outdoor Air Flow (H)	m3 / h	3,000	3,620	3,650	7,650	3,000	3,620	3,650	7,650	
Outdoor Air Flow (H)	CFM	1,765	2,130	2,147	4,500	1,765	2,130	2,147	4,500	
Outdoor Noise Level (H)	dB(A)	59.5	60.0	62.5	62.0	59.5	60.0	62.5	62.0	
Compressor	Model		KTN150D30UFZA	KTM240D43UKT	KTF310D43UMT	ATQ360D1UMU	KTN150D30UFZA	KTM240D43UKT	KTF310D43UMT	ATQ360D1UMU
	Type		Twin-ROTARY	Twin-ROTARY	ROTARY	ROTARY	Twin-ROTARY	Twin-ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Rated Current (RLA)	A	12.0	14.0	18.0	24.0	12.0	14.0	18.0	24.0	
Refrigerant Oil / Oil Amount	Ozs	ESTER OIL VG74, 15 Ozs	ESTER OIL VG74, 21 Ozs	ESTER OIL VG74, 34 Ozs	ESTER OIL VG74, 47 Ozs	ESTER OIL VG74, 15 Ozs	ESTER OIL VG74, 21 Ozs	ESTER OIL VG74, 34 Ozs	ESTER OIL VG74, 47 Ozs	
Outdoor Unit	Net Dimensions (W*D*H)	mm	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810	952 x 415 x 1,333	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810	952 x 415 x 1,333
	Net Dimensions (W*D*H)	Inches	35" x 13"-1/2" x 26"-1/2"	37"-1/4" x 16"-1/8" x 31"-7/8"	37"-1/4" x 16"-1/8" x 31"-7/8"	37"-1/2" x 16"-3/8" x 52"-1/2"	35" x 13"-1/2" x 26"-1/2"	37"-1/4" x 16"-1/8" x 31"-7/8"	37"-1/4" x 16"-1/8" x 31"-7/8"	37"-1/2" x 16"-3/8" x 52"-1/2"
	Packing Dimensions (W*D*H)	mm	1,030 x 438 x 750	1,090 x 500 x 885	1,090 x 500 x 885	1,095 x 495 x 1,480	1,030 x 438 x 750	1,090 x 500 x 885	1,090 x 500 x 885	1,095 x 495 x 1,480
	Packing Dimensions (W*D*H)	Inches	40"-1/2" x 17"-1/4" x 29"-1/2"	42"-7/8" x 19"-5/8" x 34"-7/8"	42"-7/8" x 19"-5/8" x 34"-7/8"	43"-1/8" x 19"-1/2" x 58"-1/4"	40"-1/2" x 17"-1/4" x 29"-1/2"	42"-7/8" x 19"-5/8" x 34"-7/8"	42"-7/8" x 19"-5/8" x 34"-7/8"	43"-1/8" x 19"-1/2" x 58"-1/4"
	Net / Gross Weight	Kg	45.5 / 49.3	63.4 / 68.3	76.7 / 82.3	102.3 / 116.4	45.5 / 49.3	63.4 / 68.3	76.7 / 82.3	102.3 / 116.4
Net / Gross Weight	Lbs	100.3 / 108.7	139.8 / 150.6	169.1 / 181.4	225.5 / 256.6	100.3 / 108.7	139.8 / 150.6	169.1 / 181.4	225.5 / 256.6	
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Expansion Device Type, Location		EXV, Outdoor	EXV, Outdoor	EXV, Outdoor	EXV, Outdoor	EXV, Outdoor	EXV, Outdoor	EXV, Outdoor	EXV, Outdoor	
Factory Charged Weight (Optimized for 16' Line Sets)	Ozs	65.3	91.7	134.0	162.0	65.3	91.7	134.0	162.0	
Adjustment Charge (Ea. Foot length for <10' or >25' Sets)	Ozs/Ft.	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	
Design pressure	PSIG	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	
Refrigerant Piping	Liquid Side/ Gas Side (OD) (Multiple Size Adapters Provided)	Inch	1/4" / 3/8" (2 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (2 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)	1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)
	Total Max. Refrigerant Pipe Length	m	40	60	80	80	40	60	80	
	Total Max. Refrigerant Pipe Length	Ft.	130	200	265	265	130	200	265	
	Zone Max. Refrigerant Pipe Length	m	25	30	35	35	25	30	35	
	Zone Max. Refrigerant Pipe Length	Ft.	82	100	115	115	82	100	115	
	Max. Height Difference IDU to ODU	m	15	15	15	15	15	15	15	
	Max. Height Difference IDU to ODU	Ft.	50	50	50	50	50	50	50	
	Max. Height Difference IDU to IDU	m	10	10	10	10	10	10	10	
Max. Height Difference IDU to IDU	Ft.	33	33	33	33	33	33	33		
Condensate Drain Connection Diameter	mm (In)	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	OD Φ 16mm (5/16")	
Interconnecting Cable Specs		AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	
Temperature Ranges	Indoor Temperature Setting Range	°C / °F	17-30 / 62-86	17-30 / 62-86	17-30 / 62-86	17-30 / 62-86	17-30 / 62-86	17-30 / 62-86	17-30 / 62-86	
	Indoor Min Heat (Vacation Mode)	°C / °F	8 / 46	8 / 46	8 / 46	8 / 46	8 / 46	8 / 46	8 / 46	
	Outdoor Ambient Range (Cooling)	°C / °F	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122
Outdoor Ambient Range (Heating)	°C / °F	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	
Recommended Application Area Size (Min-Max)/Total. Based on average variables for cooling operation	m2	35-70	55-105	70-140	90-175	35-70	55-105	70-140	90-175	
	Sq.Ft	375-750	570-1,120	750-1,500	950-2,000	375-750	570-1,120	750-1,500	950-2,000	



		YN-M MULTI SPLIT SYSTEM INDOOR UNIT COMBINATION OPTIONS TABLE							
Outdoor Unit MODEL NUMBER		YN020GMFI22M2E		YN030GMFI22M3E		YN040GMFI22M4E		YN050GMFI22M5E	
Number of Zones Available		2		3		4		5	
Two Zones Utilized		9000 + 9000	9000 + 12000	9000 + 12000	9000 + 18000	9000 + 24000	12000 + 18000	9000 + 30000	9000 + 36000
				12000 + 12000	12000 + 18000	12000 + 24000	18000 + 18000	12000 + 30000	12000 + 36000
					18000 + 18000		24000 + 24000	18000 + 24000	18000 + 30000
								18000 + 36000	24000 + 24000
Three Zones Utilized				9000 + 9000 + 9000	9000 + 9000 + 12000	9000 + 9000 + 12000	9000 + 9000 + 18000	9000 + 9000 + 24000	9000 + 9000 + 30000
				9000 + 9000 + 18000	9000 + 12000 + 12000	9000 + 12000 + 12000	9000 + 12000 + 18000	9000 + 12000 + 24000	9000 + 12000 + 30000
				9000 + 12000 + 18000	12000 + 12000 + 12000	12000 + 12000 + 18000	12000 + 12000 + 24000	9000 + 12000 + 36000	9000 + 18000 + 18000
								9000 + 18000 + 24000	9000 + 18000 + 30000
Four Zones Utilized						9000 + 9000 + 9000 + 9000	9000 + 9000 + 9000 + 12000	9000 + 9000 + 9000 + 12000	9000 + 9000 + 9000 + 18000
						9000 + 9000 + 9000 + 18000	9000 + 9000 + 9000 + 24000	9000 + 9000 + 9000 + 24000	9000 + 9000 + 9000 + 30000
						9000 + 9000 + 12000 + 12000	9000 + 9000 + 12000 + 18000	9000 + 9000 + 12000 + 18000	9000 + 9000 + 12000 + 24000
						9000 + 9000 + 12000 + 12000	9000 + 9000 + 12000 + 18000	9000 + 9000 + 12000 + 18000	9000 + 9000 + 12000 + 24000
Five Zones Utilized						9000 + 12000 + 12000 + 12000	12000 + 12000 + 12000 + 12000	9000 + 9000 + 12000 + 30000	9000 + 9000 + 18000 + 18000
								9000 + 9000 + 18000 + 24000	9000 + 12000 + 12000 + 12000
								9000 + 12000 + 12000 + 18000	9000 + 12000 + 12000 + 24000
								9000 + 12000 + 12000 + 30000	9000 + 12000 + 18000 + 18000
Matching Indoor Unit Model Numbers	Wall Mount	WS009, WS012		WS009, WS012, WS018		WS009, WS012, WS018, WS024		WS009, WS012, WS018, WS024, WS030, WS036	
	Ceiling Cassette	CB009, CB012		CB009, CB012, CB018		CB009, CB012, CB018, CB024		CB009, CB012, CB018, CB024	
	Floor Console	FB012		FB012		FB012		FB012	
	Ducted Recessed	RB009, RB012		RB009, RB012, RB018		RB009, RB012, RB018, RB024		RB009, RB012, RB018, RB024	
	Floor-Ceiling			UB018		UB018, UB024		UB018, UB024	

Every indoor unit attached will operate at a random, self regulated capacity, based on the actual demand it measures from the zone it is serving (Between 30% to 100% of its rated capacity or OFF). Outdoor unit will also self regulate its output capacity, based on the total demand it reads from all of the simultaneously running indoor units at any given moment.

With multi split systems, the total demand from the outdoor unit, shall seldomly exceed 67% of the total available capacity of the combined indoor unit group due to load fluctuations.

Although very seldom, if and when the total demand from the combined indoor group exceeds the rated capacity of the outdoor unit, the capacity of the each indoor unit will be annotated accordingly. For high demand heating applications, max loading limits may need to be reduced by 10-15 % to avoid underperformance risks at some extreme conditions.



MODEL SERIES			WS Series Wall Mount Ductless Split Indoor Units for YN-M Multi Split Systems						
Indoor Unit Model Number			WS009GMFI22HLE	WS012GMFI22HLE	WS018GMFI22HLE	WS024GMFI22HLE	WS030GMFI20HLD	WS036GMFI20HLD	
Indoor Unit Code			22022011018401	22022011018402	22022011018363	22022011018441	22022011004098	22022011017161	
Matching Multi Split Outdoor Units			2 / 3 / 4 / 5 Zone	2 / 3 / 4 / 5 Zone	3 / 4 / 5 Zone	4 / 5 Zone	5 Zone Only	5 Zone Only	
Power supply			V, Ph, Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	
Cooling Performance	Rated Capacity	BTU / h	9,000	12,000	18,000	24,000	24,000	24,000	
	Input Watts (Indoor Unit Only)	W	35	40	60	90	90	90	
	EER / EER2	BTU / W	11.0 ~ 12.5 / 10.6 ~ 12.25 (System Average)						
	SEER / SEER2	BTU / W	19.5 ~ 22.5 / 19 ~ 23.5 (System Average)						
Heating Performance	Rated Capacity	BTU / h	10,000	12,000	18,000	26,000	26,000	26,000	
	Input Watts (Indoor Unit Only)	W	35	40	60	90	90	90	
	COP	W / W	3.22 ~ 3.67 (System Average)						
	HSPF / HSPF2	BTU / W	10.2 ~ 11.5 / 9.2 ~ 10 (System Average)						
Indoor Fan Motor	Model		ZKFP-20-8-6-7	ZKFP-20-8-6-7	ZKFP-58-8-1-10	ZKFP-58-8-1-10	ZKFP-58-8-1-5	ZKFP-58-8-1-5	
	Brand		Weiling	Weiling	Weiling	Weiling	Weiling	Weiling	
	Speed (Hi / Md / Lo)	RPM	1,080 / 850 / 650	1,100 / 850 / 650	1,000 / 800 / 700	1,200 / 1,000 / 750	1,200 / 1,050 / 950	1,200 / 950 / 750	
Indoor Air Flow (Hi / Md / Lo)	m3 / h	450 / 350 / 240	520 / 360 / 250	800 / 600 / 500	1,050 / 800 / 550	1,350 / 1,050 / 800	1,245 / 880 / 680		
Indoor Air Flow (Hi / Md / Lo)	CFM	265 / 206 / 141	306 / 212 / 147	471 / 353 / 294	618 / 471 / 324	794 / 618 / 471	732 / 518 / 400		
Indoor Noise Level (Hi / Md / Lo)	dB(A)	37 / 30 / 21	37.5 / 30.0 / 21.5	43.0 / 35.5 / 30.0	47.5 / 42.0 / 32.0	51.5 / 47.5 / 44.0	56.5 / 54.5 / 40.0		
Indoor Unit	Net Dimensions (W*D*H)	mm	802 x 189 x 297	802 x 189 x 297	1,080 x 226 x 335	1,080 x 226 x 335	1,259 x 282 x 362	1,259 x 282 x 362	
	Net Dimensions (W*D*H)	Inches	31"-1/2 x 7"-3/8 x 11"-5/8	31"-1/2 x 7"-3/8 x 11"-5/8	42"-1/2 x 8"-7/8 x 13"-1/8	42"-1/2 x 8"-7/8 x 13"-1/8	49"-5/8 x 11"-1/8 x 14"-1/4	49"-5/8 x 11"-1/8 x 14"-1/4	
	Packing Dimensions (W*D*H)	mm	875 x 285 x 380	875 x 285 x 380	1,155 x 415 x 320	1,155 x 415 x 320	1,340 x 450 x 385	1,340 x 450 x 385	
	Packing Dimensions (W*D*H)	Inches	34"-1/2 x 11"-1/4 x 15"	34"-1/2 x 11"-1/4 x 15"	45"-1/2 x 16"-3/4 x 12"-5/8	45"-1/2 x 16"-3/4 x 12"-5/8	52"-3/4 x 17"-3/4 x 15"-1/8	52"-3/4 x 17"-3/4 x 15"-1/8	
	Net / Gross Weight	Kg	8.6 / 10.9	8.6/10.9	13.4 / 17.0	13.7 / 17.2	17.0 / 22.9	18.3 / 23.9	
Net / Gross Weight	Lbs	19.0 / 24.0	18.96/24.03	29.5 / 37.5	30.2 / 37.9	37.5 / 50.5	40.3 / 52.7		
Adjustment Charge (Ea. Foot length for <10' or >25')	Ozs/Ft.	0.16	0.16	0.16	0.32	0.32	0.32		
Design pressure	PSIG	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340		
Refrigerant Piping Liquid Side/ Gas Side (OD)	Inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"		
Condensate Drain Connection Diameter	mm (In)	OD Φ 16mm (5/8")	OD Φ 16mm (5/8")	OD Φ 16mm (5/8")	OD Φ 16mm (5/8")	OD Φ 16mm (5/8")	OD Φ 16mm (5/8")		
Interconnecting Cable Specs		AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)		
Controller Included		LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote		
Temperature Ranges	Indoor Temperature Setting Range	°C / °F	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86	
	Indoor Min Heat (Vacation Mode)	°C / °F	8 / 46	8 / 46	8 / 46	8 / 46	8 / 46	8 / 46	
	Outdoor Ambient Range (Cooling)	°C / °F	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	
	Outdoor Ambient Range (Heating)	°C / °F	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	
Recommended Application Area Size (Min-Max)	m2	15~30	20~40	30~60	40~80	50~100	60~120		
Based on average variables for cooling operation	Sq.Ft	160~325	215~430	325~650	430~860	540~1,080	650~1,300		



MODEL SERIES			CB Series Ceiling Cassette Ductless Split Indoor Units for YN-M Multi Split Systems			
Indoor Unit Model Number			CB009GMFILCFHD	CB012GMFILCFHD	CB018GMFILCFHD	CB024GMFILDFHE
Indoor Unit Code			22022511000703	22022511000710	22022511000711	22022511003396
Matching Multi Split Outdoor Units			2 / 3 / 4 / 5 Zone	2 / 3 / 4 / 5 Zone	3 / 4 / 5 Zone	4 / 5 Zone
Power supply		V, Ph, Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz
Cooling Performance	Rated Capacity	BTU / h	9,000	12,000	16,000	24,000
	Input Watts (Indoor Unit Only)	W	45	55	60	100
	EER / EER2	BTU / W	11.0 ~ 12.5 / 10.6 ~ 12.25 (System Average)			
	SEER / SEER2	BTU / W	19.5 ~ 22.5 / 19 ~ 23.5 (System Average)			
Heating Performance	Rated Capacity	BTU / h	10,000	12,000	18,500	25,000
	Input Watts (Indoor Unit Only)	W	45	55	60	100
	COP	W / W	3.22 ~ 3.67 (System Average)			
	HSPF / HSPF2	BTU / W	10.2 ~ 11.5 / 9.2 ~ 10 (System Average)			
Indoor Fan Motor	Model		ZKFP-46-8-1	ZKFP-46-8-1	ZKFP-46-8-1	ZKFN-45-8-1
	Brand		Weiling	Weiling	Weiling	Weiling
	Speed (Hi / Md / Lo)	RPM	600 / 520 / 460 / -	680 / 580 / 500	730 / 630 / 570 / -	680 / 624 / 568 / 512
Indoor Air Flow (Hi / Md / Lo)		m3 / h	525 / 430 / 340	570 / 480 / 410	620 / 530 / 450	1,200 / 1,080 / 930
Indoor Air Flow (Hi / Md / Lo)		CFM	309 / 265 / 200	335 / 280 / 240	365 / 310 / 265	706 / 635 / 547
Indoor Noise Level (Hi / Md / Lo)		dB(A)	37.5 / 34.5 / 31.5	40.0 / 36.0 / 32.5	43.0 / 38.5 / 34.5	49.0 / 46.0 / 43.0
Indoor Unit	Net Dimensions (W*D*H)	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	830 x 830 x 205
	Net Dimensions (W*D*H)	Inches	22"-1.2 x 22"-1/2 x 10"-1/4	22"-1.2 x 22"-1/2 x 10"-1/4	22"-1.2 x 22"-1/2 x 10"-1/4	32"-5/8 x 32"-5/8 x 8"-1/8
	Packing Dimensions (W*D*H)	mm	662 x 662 x 317	662 x 662 x 317	662 x 662 x 317	910 x 910 x 250
	Packing Dimensions (W*D*H)	Inches	26" x 26 x 12"-1/2	26" x 26 x 12"-1/2	26" x 26 x 12"-1/2	35"-7/8 x 35"-7/8 x 9"-7/8
	Net / Gross Weight	Kg	14.5 / 17.3	16.0 / 18.6	16.2 / 21.3	21.4 / 25.1
	Net / Gross Weight	Lbs	32.0 / 38.2	35.3 / 41.0	35.7 / 47.0	47.2 / 55.3
Indoor Unit Panel (Cassette Models)	Net Dimensions (W*D*H)	mm	647 x 647 x 50	647 x 647 x 50	647 x 647 x 50	950 x 950 x 55
	Net Dimensions (W*D*H)	Inches	25"-1/2 x 25"-1/2 x 2"	25"-1/2 x 25"-1/2 x 2"	25"-1/2 x 25"-1/2 x 2"	37"-5/8 x 37"-5/8 x 2"-1/4
	Packing Dimensions (W*D*H)	mm	715 x 715 x 123	715 x 715 x 123	715 x 715 x 123	1,035 x 1,035 x 90
	Packing Dimensions (W*D*H)	Inches	28"-1/8 x 28"-1/8 x 4"-7/8	28"-1/8 x 28"-1/8 x 4"-7/8	28"-1/8 x 28"-1/8 x 4"-7/8	40"-3/4 x 40"-3/4 x 3"-1/2
	Net / Gross Weight	Kg	2.5 / 4.5	2.5 / 4.5	2.5 / 4.5	6.0 / 9.0
	Net / Gross Weight	Lbs	5.5 / 9.9	5.5 / 9.9	5.5 / 9.9	13.2 / 19.8
Adjustment Charge (Ea. Foot length for <10' or >25')		Ozs/Ft.	0.16	0.16	0.16	0.32
Design pressure		PSIG	550 / 340	550 / 340	550 / 340	550 / 340
Refrigerant Piping Liquid Side/ Gas Side (OD)		Inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Condensate Drain Connection Diameter		mm (In)	OD Φ 25mm (1")	OD Φ 25mm (1")	OD Φ 25mm (1")	OD Φ 25mm (1")
Interconnecting Cable Specs			AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)
Controller Included			LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote
Temperature Ranges	Indoor Temperature Setting Range	°C / °F	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86
	Indoor Min Heat (Vacation Mode)	°C / °F	8 / 46	8 / 46	8 / 46	8 / 46
	Outdoor Ambient Range (Cooling)	°C / °F	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122
	Outdoor Ambient Range (Heating)	°C / °F	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75
Recommended Application Area Size (Min~Max). Based on average variables for cooling operation		m2	15~30	20~40	30~60	40~80
		Sq.Ft	160~325	215~430	325~650	430~860



MODEL SERIES			FB Series Floor Console for YN-M	UB Series Floor / Ceiling for YN-M	
Indoor Unit Model Number			FB012GMFILDFHE	UB018GMFILCFHD	UB024GMFILCFHD
Indoor Unit Code			22022611000024	22022711000996	22022711000421
Matching Multi Split Outdoor Units			2 / 3 / 4 / 5 Zone	3 / 4 / 5 Zone	4 / 5 Zone
Power supply		V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling Performance	Rated Capacity	BTU / h	12,000	18,000	24,000
	Input Watts (Indoor Unit Only)	W	40	90	110
	EER / EER2	BTU / W	11.0 ~ 12.5 / 10.6 ~ 12.25 (System Average)		
	SEER / SEER2	BTU / W	19.5 ~ 22.5 / 19 ~ 23.5 (System Average)		
Heating Performance	Rated Capacity	BTU / h	12,000	20,000	24,000
	Input Watts (Indoor Unit Only)	W	40	90	110
	COP	W / W	3.22 ~ 3.67 (System Average)		
	HSPF / HSPF2	BTU / W	10.2 ~ 11.5 / 9.2 ~ 10 (System Average)		
Indoor Fan Motor	Model		ZKFP-20-8-2-1	ZKFN-90-8-1	ZKFN-90-8-1
	Brand		Weiling	Weiling	Weiling
	Speed (Hi / Md / Lo)	RPM	730 / 630 / 490	950 / 850 / 750	1,350 / 1,260 / 1,120
Indoor Air Flow (Hi / Md / Lo)		m <sup>3</sup> / h	620 / 541 / 421	932 / 825 / 715	1,290 / 1,204 / 11017
Indoor Air Flow (Hi / Md / Lo)		CFM	365 / 318 / 248	548 / 485 / 421	759 / 708 / 598
Indoor Noise Level (Hi / Md / Lo)		dB(A)	43.0 / 39.0 / 33.0	47.0 / 43.5 / 40.5	51.0 / 47.0 / 42.0
Indoor Unit	Net Dimensions (W*D*H)	mm	700 x 210 x 600	1,068 x 675 x 235	1,068 x 675 x 235
	Net Dimensions (W*D*H)	Inches	27"-1/2 x 8"-1/4 x 23"-5/8	42" x 26"-1/2 x 9"-1/4	42" x 26"-1/2 x 9"-1/4
	Packing Dimensions (W*D*H)	mm	780 x 300 x 685	1,145 x 755 x 318	1,145 x 755 x 318
	Packing Dimensions (W*D*H)	Inches	30"-3/4 x 11"-3/4 x 27"	45"-1/8 x 29"-3/4 x 12"-1/2	45"-1/8 x 29"-3/4 x 12"-3/8
	Net / Gross Weight	Kg	14.8 / 18.6	25.9 / 31.0	27.5 / 32.7
	Net / Gross Weight	Lbs	32.6 / 41.0	57.1 / 68.3	60.6 / 72.1
Adjustment Charge (Ea. Foot length for <10' or >25')		Ozs/Ft.	0.16	0.16	0.32
Design pressure		PSIG	550 / 340	550 / 340	550 / 340
Refrigerant Piping Liquid Side/ Gas Side (OD)		Inch	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Condensate Drain Connection Diameter		mm (In)	OD Φ 16mm (5/8")	OD Φ 25mm (1")	OD Φ 25mm (1")
Interconnecting Cable Specs			AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)
Controller Included			LCD Wireless Remote	LCD Wireless Remote	LCD Wireless Remote
Temperature Ranges	Indoor Temperature Setting Range	°C / °F	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86
	Indoor Min Heat (Vacation Mode)	°C / °F	8 / 46	8 / 46	8 / 46
	Outdoor Ambient Range (Cooling)	°C / °F	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122
	Outdoor Ambient Range (Heating)	°C / °F	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75
Recommended Application Area Size (Min~Max) Based on average variables for cooling operation		m <sup>2</sup>	20~40	30~60	40~80
		Sq.Ft	215~430	325~650	430~860



MODEL SERIES			RB Series Recessed Concealed Ducted Split Indoor Units for YN-M Multi Split Systems			
Indoor Unit Model Number			RB009GMFILDFHD	RB012GMFILDFHD	RB018GMFILDFHD	RB024GMFILDFHD
Indoor Unit Code			22023011003874	22023011003875	22023011003474	22023011003414
Matching Multi Split Outdoor Units			2 / 3 / 4 / 5 Zone	2 / 3 / 4 / 5 Zone	3 / 4 / 5 Zone	4 / 5 Zone
Power supply		V, Ph, Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling Performance	Rated Capacity	BTU / h	9,000	12,000	18,000	24,000
	Input Watts (Indoor Unit Only)	W	70	80	140	160
	EER / EER2	BTU / W	11.0 ~ 12.5 / 10.6 ~ 12.25 (System Average)			
	SEER / SEER2	BTU / W	19.5 ~ 22.5 / 19 ~ 23.5 (System Average)			
Heating Performance	Rated Capacity	BTU / h	10,000	12,000	20,000	24,600
	Input Watts (Indoor Unit Only)	W	70	80	140	160
	COP	W / W	3.22 ~ 3.67 (System Average)			
	HSPF / HSPF2	BTU / W	10.2 ~ 11.5 / 9.2 ~ 10 (System Average)			
Indoor Fan Motor	Model		ZKFN-55-8-22-1	ZKFN-55-8-22-1	ZKFN-160-8-1-2	ZKFN-160-8-1-2
	Brand		Weiling	Weiling	Weiling	Weiling
	Speed (Hi / Md / Lo)	RPM	1,170 / 1,030 / 850	1,170 / 1,030 / 850	850 / 700 / 450	850 / 700 / 450
Indoor Air Flow (Hi / Md / Lo)		m <sup>3</sup> / h	600 / 480 / 300	600 / 480 / 300	900 / 765 / 630	1,318 / 1,178 / 739
Indoor Air Flow (Hi / Md / Lo)		CFM	353 / 282 / 176	353 / 282 / 176	529 / 450 / 371	775 / 693 / 435
Indoor Noise Level (Hi / Md / Lo)		dB(A)	33.5 / 28.5 / 27.0	38.0 / 34.5 / 31.0	42.0 / 38.0 / 35.5	44.0 / 41.0 / 37.0
Indoor Unit	Net Dimensions (W*D*H)	mm	700 x 506 x 200	700 x 506 x 200	880 x 674 x 210	1,100 x 774 x 249
	Net Dimensions (W*D*H)	Inches	27"-1/2 x 20" x 7"-7/8	27"-1/2 x 20" x 7"-7/8	34"-5/8 x 26"-1/2 x 8"1/4	43"-3/8 x 30"-1/2 x 9"-3/4
	Packing Dimensions (W*D*H)	mm	860 x 540 x 285	860 x 540 x 285	1,070 x 725 x 280	1,305 x 805 x 315
	Packing Dimensions (W*D*H)	Inches	33"-7/8 x 21"-1/4 x 11"-1/4	33"-7/8 x 21"-1/4 x 11"-1/4	42"-1/8 x 28"-1/2 x 11"	51"-3/8 x 31"-5/8 x 12"-3/8
	Net / Gross Weight	Kg	17.7 / 21.9	17.8 / 22.0	25.1 / 30.4	41.0 / 48.0
	Net / Gross Weight	Lbs	39.0 / 48.3	39.2 / 48.5	55.3 / 67.0	90.4 / 105.8
External Static Pressure (Range) Duct Type Only		Pa	0~40	0~40	0~100	0~160
		In. wg.	0.0~0.2	0.0~0.2	0.0~0.4	0.0~0.7
Adjustment Charge (Ea. Foot length for <10' or >25')		Ozs/Ft.	0.16	0.16	0.16	0.32
Design pressure		PSIG	550 / 340	550 / 340	550 / 340	550 / 340
Refrigerant Piping Liquid Side/ Gas Side (OD)		Inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Condensate Drain Connection Diameter		mm (In)	OD Φ 25mm (1")	OD Φ 25mm (1")	OD Φ 25mm (1")	OD Φ 25mm (1")
Interconnecting Cable Specs			AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)	AWG 16# x 4 (TC-ER)
Controller Included			LCD Wired	LCD Wired	LCD Wired	LCD Wired
Temperature Ranges	Indoor Temperature Setting Range	°C / °F	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86	17~30 / 62~86
	Indoor Min Heat (Vacation Mode)	°C / °F	8 / 46	8 / 46	8 / 46	8 / 46
	Outdoor Ambient Range (Cooling)	°C / °F	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122	-15 ~ +50 / +5 ~ +122
	Outdoor Ambient Range (Heating)	°C / °F	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75	-25 ~ +24 / -13 ~ +75
Recommended Application Area Size (Min~Max) Based on average variables for cooling operation		m <sup>2</sup>	15~30	20~40	30~60	40~80
		Sq.Ft	160~325	215~430	325~650	430~860