

System Model Number (S Series, 22 Seer Family)			WYS009AMFI22RL	WYS12AMFI22RL	WYS009GMFI22RL	WYS012GMFI22RL	WYS018GMFI22RL	WYS024GMFI22RL
System Product Code			22022010003672	22022010003774	22022010004162	22022010003635	22022010003652	22022010003574
Indoor Model Number			WS009AMFI22HLD	WS012AMFI22HLD	WS009GMFI22HLD	WS012GMFI22HLD	WS018GMFI22HLD	WS024GMFI22HLD
Indoor Product Code			22022011004180	22022011004280	22022011004687	22022011004161	22022011004162	22022011004100
Outdoor Model Number			YN009AMFI22RPD	YN012AMFI22RPD	YN009GMFI22RPD	YN012GMFI22RPD	YN018GMFI22RPD	YN024GMFI22RPD
Outdoor Product Code			22022016005179	22022016005149	22022016005160	22022016005161	22022016005162	22022016005121
Power supply			115V-60Hz,1Ph	115V-60Hz,1Ph	208-230V-60Hz,1Ph	208-230V-60Hz,1Ph	208-230V-60Hz,1Ph	208-230V-60Hz,1Ph
Cooling	Capacity	BTU/h	9000 (3785-11941)	12000 (4520-17305)	9000 (3785-11941)	12000 (4520-17305)	18000 (7592-24806)	24000 (7401-31350)
	Input	Watt	665 (279-901)	960 (345-1296)	640 (251-889)	923 (325-1283)	1384 (542-1951)	1920 (673-2726)
	Rated current	A	5.8	8.4	2.9	4.1	6.1	8.4
	EER	W/W	13.5	12.5	14	13	13	12.5
	SEER	BTU/W	22.5	21.5	22.8	21.5	20.8	20.5
Heating	Capacity	BTU/h	9000 (3785-11941)	11800 (4483-17214)	9800 (3891-12493)	12000 (4520-17305)	18000 (7592-24806)	25000 (7621-31483)
	Input	W	790 (365-1035)	1120 (508-1423)	930 (541-1235)	1085 (495-1447)	1570 (731-2149)	2315 (1052-3154)
	Rated current	A	6.9	9.8	4.2	4.7	6.8	10.1
	COP	W/W	3.6	3.1	3.1	3.2	3.4	3.2
	HSPF4	BTU/h	10.5	11.2	10.5	9.8	10	10
HSPF5	BTU/h	8.6	9	8.3	7.7	8	8.3	
MINIMUM CIRCUIT AMPACITY			A	15	15	15	15	15
MAX.FUSE			A	15	20	15	20	25
Moisture Removal			L/h	1	1.2	1	1.2	1.8
			Pint/Day	50	60	50	60	90
Compressor	Model		ASN98D22UFZ	ASM98D32UFZ	ASN98D22UFZ	ASM98D32UFZ	ASM135D30UFZ	ATF235D22UMT
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	BTU/h	10014	11157	10014	11157	13836	24344
	Input	W	748	800	748	800	1035	1970
Refrigerant Oil Type			ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74
Refrigerant Oil / Oil Charge			ml (Oz)	370 (12.5)	370 (12.5)	370 (12.5)	450 (15.7)	670 (22.6)
Indoor Fan Motor	Model		ZKFP-20-8-5	ZKFP-20-8-5	ZKFP-20-8-6	ZKFP-20-8-6	ZKFP-58-8-1	ZKFN-120-8-2
	Brand		Welling	Welling	Welling	Welling	Welling	Welling
	Power	W	20(Output)	20(Output)	20(Output)	20(Output)	58(Output)	120(Output)
	Speed (Hi / Md / Lo)	r / min	1080 / 850 / 700	1080/850/650	1080/850/700	1080/850/650	1000/800/700	1100/900/700
Indoor Air Flow (Hi / Md / Lo)			m ³ / h	500 / 360 / 250	520 / 360 / 250	520 / 360 / 250	950 / 620 / 500	1050 / 800 / 550
			CFM	294 / 212 / 147	306 / 212 / 147	265 / 205 / 141	306 / 212 / 147	559 / 365 / 306
Indoor Noise Level (Hi / Lo)			dB(A)	37.5 / 23	39 / 24.5	39 / 25	45.5 / 34.5	50 / 35.5
Indoor unit	Dimension(W*D*H)	mm	802 x 189 x 297	802 x 189 x 297	802 x 189 x 297	802 x 189 x 297	1080 x 226 x 335	1080 x 226 x 335
	Dimension(W*D*H)	In.	31"-1/2 x 7"-1/2 x 11"-5/8	31"-1/2 x 7"-1/2 x 11"-5/8	31"-1/2 x 7"-1/2 x 11"-5/8	31"-1/2 x 7"-1/2 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
	Packing (W*D*H)	mm	875 x 285 x 375	875 x 285 x 375	875 x 285 x 375	875 x 285 x 375	1155 x 415 x 315	1155 x 415 x 315
	Packing (W*D*H)	In.	34"-1/2 x 11"-1/4 x 14"-3/4	34"-1/2 x 11"-1/4 x 14"-3/4	34"-1/2 x 11"-1/4 x 14"-3/4	34"-1/2 x 11"-1/4 x 14"-3/4	45"-1/2 x 16"-3/8 x 12"-1/2	45"-1/2 x 16"-3/8 x 12"-1/2
	Net/Gross weight	Kg	8.2 / 10	8.2 / 10	8.2 / 10	8.2 / 10	13.2 / 16.8	13.2 / 16.8
Net/Gross weight	Lbs	18 / 22	18 / 22	18 / 22	18 / 22	29 / 37	29 / 37	
Outdoor fan motor	Model		ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-40-8-1L	ZKFN-50-8-2	ZKFN-120-8-2
	Brand		Welling	Welling	Welling	Welling	Welling	Welling
	Power	W	40 (Output)	40 (Output)	40 (Output)	40 (Output)	50 (Output)	120 (Output)
Outdoor Air Flow			m ³ / h	1800	1900	1800	2500	4000
Outdoor Air Flow			CFM	1060	1120	1060	1470	2355
Outdoor Noise Level (High Speed)			dB(A)	52.5	52.5	55.5	61	61
Outdoor Unit	Dimension(W*D*H)	mm	770 x 300 x 555	800 x 333 x 554	770 x 300 x 555	800 x 333 x 554	845 x 363 x 702	946 x 420 x 810
	Dimension(W*D*H)	In.	30"-3/8 x 11"-7/8 x 21"-7/8	31"-1/2 x 13"-1/8 x 21"-3/4	30"-3/8 x 11"-7/8 x 21"-7/8	31"-1/2 x 13"-1/8 x 21"-3/4	33"-1/4 x 14"-3/8 x 27"-5/8	37"-1/4 x 16"-1/2 x 31"-7/8
	Packing (W*D*H)	mm	900 x 345 x 585	920 x 390 x 615	900 x 345 x 585	920 x 390 x 615	965 x 395 x 755	1090 x 500 x 865
	Packing (W*D*H)	In.	35"-3/8 x 13"-5/8 x 23"	36"-1/4 x 15"-3/8 x 24"-1/4	35"-3/8 x 13"-5/8 x 23"	36"-1/4 x 15"-3/8 x 24"-1/4	38" x 15"-1/2 x 29"-3/4	42"-7/8 x 19"-5/8 x 34"
	Net / Gross Weight	Kg	29 / 31.5	37 / 40	29 / 31.5	37 / 40	45.8 / 49.1	62 / 66.8
Net / Gross Weight	Lbs.	64 / 69.5	81.5 / 88	64 / 69.5	81.5 / 88	101 / 108	136.5 / 147	
Refrigerant Type			g	R410A / 1100g	R410A / 1100g	R410A / 1100g	R410A / 1950g	R410A / 2350g
Refrigerant Precharge for Tubing Length			Ozs	R410A / 38.8	R410A / 40.6	R410A / 38.8	R410A / 68.8	R410A / 82.9
Additional Charge for Each Additional Feet			Fl.	25	25	25	25	25
Design Test Pressure			MP (PSIG)	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG
Refrigerant piping	Liquid Side/ Gas Side	mm (In.)	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ9.52 / Φ15.9 (3/8" / 5/8")
	Max. Piping Length	m	25	25	25	25	30	50
	Max Level Difference	Fl.	80	80	80	80	100	165
	Max Level Difference	m	10	10	10	10	20	25
Max Level Difference	Fl.	33	33	33	33	65	80	
Connection Wiring			16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded
System Controller			Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless
Operation Temperature Range	Indoor Temperature Setting (Cooling / Heating)	°C	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32
		°F	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90
	Frost Prevention Mode / Indoor Low Heat Setting	°C	8	8	8	8	8	8
		°F	46	46	46	46	46	46
Outdoor Ambient Range (Cooling / Heating)	°C	0 ~ 50 / -15 ~ 30	0 ~ 50 / -15 ~ 30	0 ~ 50 / -15 ~ 30	0 ~ 50 / -15 ~ 30	0 ~ 50 / -15 ~ 30	0 ~ 50 / -15 ~ 30	
	°F	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	5 ~ 122 / -13 ~ 86	
Recommended Application Area (Est.)			m ²	18 ~ 28	28 ~ 37	18 ~ 28	28 ~ 37	37 ~ 56
Loadable Quantity 20' /40' /40'HQ			Sq. Ft	200 ~ 300	300 ~ 400	200 ~ 300	300 ~ 400	400 ~ 600
Loadable Quantity 20' /40' /40'HQ			Sets	105 / 220 / 248	85 / 185 / 215	105 / 220 / 248	85 / 185 / 215	67 / 138 / 150

Specification and data listed herein are subject to change without notice due to constant product and engineering improvements. Always refer to the equipment nameplate for applicable exact information
Ratings are based laboratory tests, performed in accordance with the applicable AHRI Standards for Variable Speed Mini Split Single Zone Heat Pump Systems