

MODEL SERIES			YN-L SERIES, Inverter ++ Version (21.5 to 22.0 SEER Range) Multi Zone Ductless Systems					
Outdoor Unit Model Number (2, 3, and 4 Circuit Multi Zone)			YN020GLFI22M2D		YN030GLFI22M3D		YN040GLFI22M4D	
Outdoor Unit Code			Z2U20607000143		Z2U20607000144		Z2U20607000145	
Indoor Unit Model Number (Selected For Below Rating Data)			WT009ALFI22HLD (2)		WT009ALFI22HLD (3)		WT009ALFI22HLD (4)	
Power supply			V, Ph, Hz		208/230V, 1Ph, 60Hz		208/230V, 1Ph, 60Hz	
Cooling Performance	95F Rated Capacity (Min ~ Max Range)	BTU / h	17000 (5100~18700)		24000 (7200~26400)		32000 (9600~35200)	
	Rated Power Input	W	1,350		1,860		2,600	
	Rated Current	A	6.50		8.80		11.80	
	EER	BTU / W	12.5		12.5		12.5	
	SEER	BTU / W	22.0		22.0		21.5	
Heating Performance	47F Rated Capacity (Min ~ Max Range)	BTU / h	19600 (5880~21560)		26000 (7800~28600)		35000 (10500~38500)	
	Rated Power Input	W	1,600		1,950		2,890	
	Rated Current	A	7.50		9.10		13.10	
	COP	W / W	3.5		3.5		3.5	
	HSPF4	BTU / W	10.0		10.0		10.0	
	HSPF5	BTU / W	8.0		8.0		8.0	
Low Heating Capacity (@17F)			BTU / h		13,700		16,400	
MINIMUM CIRCUIT AMPACITY (Full Set)			A		12		14	
MAX.FUSE (Full Set)			A		15		20	
Outdoor Fan Motor	Model		ZWK584C000002		ZWK584C000002		SIC-81FW-F1160-1	
	Brand		DAYANG		DAYANG		SHIBAURA	
	Speed (Hi / Md / Lo / Min)	RPM	840 / 550 / 300		840 / 550 / 300		840 / 550 / 300	
Outdoor Air Flow (H)		m3 / h	2,990		3,580		3,900	
Outdoor Air Flow (H)		CFM	1,759		2106		2,294	
Outdoor Noise Level (H)		dB(A)	56.0		58.0		63.0	
Compressor	Model		C-6RZ146H1DJ		C-6RZ210H1BBF		ATF250D22UMT	
	Type		Twin-ROTARY		Twin-ROTARY		Twin-ROTARY	
	Brand		SANYANG		SANYANG		GMCC	
	Rated Current (RLA)	A	7.2		9.0		10.6	
	Refrigerant Oil / Oil Amount	Ozs	PVE, 15.2 Ozs		FV685, 20.2 Ozs		POV VE74, 22.6 Ozs	
Outdoor Unit	Net Dimensions (W*D*H)	mm	845 x 380 x 699		900 x 360 x 805		1,005 x 400 x 910	
	Net Dimensions (W*D*H)	Inches	33" x 14"-7/8 x 27"-1/4		35"-1/8 x 14" x 31"-3/8		39"-1/4 x 15"-5/8 x 35"-1/2	
	Packing Dimensions (W*D*H)	mm	960 x 430 x 750		1,028 x 475 x 865		1,040 x 440 x 1,000	
	Packing Dimensions (W*D*H)	Inches	37"-3/4 x 16"-7/8 x 29"-1/2		40"-1/2 x 18"-3/4 x 34"		41" x 17"-3/8 x 39"-3/8	
	Net / Gross Weight	Kg	44 / 47.5		56 / 60.5		75.5 / 84.5	
	Net / Gross Weight	Lbs	96.8 / 104.5		123.2 / 133.1		166.1 / 185.9	
Refrigerant Type		R410A		R410A		R410A		
Expansion Device Type, Location		EXV, Outdoor		EXV, Outdoor		EXV, Outdoor		
Factory Charged Weight (Optimized for 16' Line Sets)	Ozs	65.3		77.6		141.0		
Adjustment Charge (Ea. Foot length for <10' or >25' Sets)	Ozs/Ft.	0.22		0.22		0.22		
Design pressure	PSIG	550 / 340		550 / 340		550 / 340		
Refrigerant Piping	Liquid Side/ Gas Side (OD)	Inch	1/4" / 3/8" (2 sets)		1/4" / 3/8" (3 sets) (3/8>1/2 Adapters Provided)		1/4" / 3/8" (4 sets) (3/8>1/2 and 3/8>5/8 Adapters Provided)	
	Total Max. Refrigerant Pipe Length	m	30		45		60	
	Total Max. Refrigerant Pipe Length	Ft.	100		150		200	
	Zone Max. Refrigerant Pipe Length	m	20		20		20	
	Zone Max. Refrigerant Pipe Length	Ft.	65		65		65	
	Max. Height Difference IDU to ODU	m	15		15		15	
	Max. Height Difference IDU to ODU	Ft.	50		50		50	
	Max. Height Difference IDU to IDU	Ft.	33		33		33	
Condensate Drain Connection Diameter	mm (In)	OD Φ 16mm (5/16")		OD Φ 16mm (5/16")		OD Φ 16mm (5/16")		
Inteconnecting Cable Specks		AWG 16# x 4 (TC-ER)		AWG 16# x 4 (TC-ER)		AWG 16# x 4 (TC-ER)		
Contrrollor Included		/		/		/		
Temperature Ranges	Indoor Temperature Setting Range	°C / °F	17~30 / 61~86		17~30 / 61~86		17~30 / 61~86	
	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	-20 ~ +30 / -4 ~ +86		-20 ~ +30 / -4 ~ +86		-20 ~ +30 / -4 ~ +86	
Recommended Application Area Size (Min~Max) / Total Based on average variables for cooling operation	m2 Sq.Ft	35~70 375~750		55~105 570~1,120		70~140 750~1,500		

Specifications 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 on laboratory tests, performed in accordance with the applicable AHRI Standards for Variable Speed Mini Split Single Zone Heat Pump Systems. - 001

YN-L MULTI SPLIT SYSTEM INDOOR UNIT COMBINATION OPTIONS TABLE						
Outdoor Unit MODEL NUMBER	YN020GLFI22M2D		Y030GLFI22M3D		YN040GLFI22M4D	
Number of Zones Available	2		3		4	
Two Zones Utilized	9000 + 9000	9000 + 12000	9000 + 12000	9000 + 18000	9000 + 24000	12000 + 18000
	12000 + 12000		12000 + 12000	12000 + 18000	12000 + 24000	18000 + 18000
			18000 + 18000		18000 + 24000	24000 + 24000
Three Zones Utilized			9000 + 9000 + 9000	9000 + 9000 + 12000	9000 + 9000 + 12000	9000 + 9000 + 18000
			9000 + 9000 + 18000	9000 + 12000 + 12000	9000 + 9000 + 24000	9000 + 12000 + 12000
			9000 + 12000 + 18000	12000 + 12000 + 12000	9000 + 12000 + 18000	9000 + 12000 + 24000
Four Zones Utilized					12000 + 12000 + 18000	12000 + 12000 + 24000
					9000 + 9000 + 9000 + 9000	9000 + 9000 + 9000 + 12000
					9000 + 9000 + 9000 + 18000	9000 + 9000 + 9000 + 24000
					9000 + 9000 + 12000 + 12000	9000 + 9000 + 12000 + 18000
					9000 + 9000 + 12000 + 12000	9000 + 9000 + 12000 + 18000
				9000 + 12000 + 12000 + 12000	12000 + 12000 + 12000 + 12000	
Matching Indoor Unit Model Numbers	WT009, WT012		WT009, WT012, WT018		WT009, WT012, WT018, WT024	
<p>Different models of all available matching indoor units can be combined together in any order to create a multi zone split system, up to a quantity of the number of available circuits.</p> <p>Not all available circuits need to be utilized with an attached indoor unit. 66% or higher of the total capacity utilization is recommended.</p> <p>Every indoor unit attached to a multi zone system 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 turn OFF as needed.</p> <p>Outdoor unit will also self regulate its total output capacity, based on the total demand it reads from all of the simultaneously running indoor units at any given moment, up to its maximum rating capacity.</p> <p>With multi split systems, the total demand from the outdoor unit, will seldomly exceed 75% of the total available capacity of the combined indoor unit group due to load fluctuations of each indoor unit.</p> <p>Therefore, total attached indoor unit capacity can be selected up to 133% of the supporting outdoor unit's rated capacity.</p> <p>Although very seldom, if the total demand from the combined group of indoor units' exceeds the rated capacity of the outdoor unit, the capacity of the each indoor unit will be annotated accordingly.</p> <p>For high demand applications, max loading limits may need to be reduced up to 20% to avoid underperformance risks during some extreme conditions.</p>						