



Prime Series MULTI ZONE HEAT PUMP MINI SPLITS ODU

Multi Zone Outdoor			ODU 1 drive 2	ODU 1 drive 3	ODU 1 drive 4	ODU 1 drive 5
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote	remote
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
AHRI Non-Ducted	Rated cooling capacity (95F/35C)	Btu/h	20000	28000	38000	42000
	Cooling Capacity Range	Btu/h	2000-22000	3000-30500	4000-41000	4000-43000
	EER2 (95F/35C)	Btu/W.h	11.2	11	11	11
	SEER2	Btu/W.h	23	20	20	20
	Rated Heating capacity(47F/8.3C)	Btu/h	20000	28000	42000	42000
	Rated Heating capacity(17F/-8.3C)	Btu/h	14000	23000	34000	34000
	Range Heating capacity	Btu/h	2000-20500	3000-29500	4000-43000	4000-46000
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	9.5	9.5	9.5
	HSPF2 Rating (Region V)	Btu/W.h	8.0	8.0	8.0	8.0
	COP2 (47F/8.3C)	W/W	3.5	4.5	3.1	3.3
	Max. Heating capacity (5°F/-15°C)	Btu/h	14000	21000	31000	31000
	5F Heating Ratio		70%	75%	74%	74%
	COP2 5°F/-15°C	W/W	2	2	2	2
	Max. Heating capacity (-4°F/-20°C)	Btu/h	TBD	TBD	TBD	30200
	Max. Heating capacity (-13°F/-25°C)	Btu/h	TBD	TBD	TBD	25300
	ENERGY STAR® Certified		NO	NO	NO	NO
	NEEP		YES	YES	YES	YES
Quebec		YES	YES	YES	YES	
Nova Scotia		YES	YES	YES	YES	
NRCan E-STAR		NO	NO	NO	NO	
Rated Input Consumption (Non-Ducted)	Cooling	W	1540	#REF!	3400	3760
	Heating	W	1320	2100	3600	3330
Rated Current (Non-Ducted)	Cooling	A	6.7	#REF!	14.8	16.3
	Heating	A	5.7	9.1	15.7	14.5
Min. Circuit Ampacity		A	14	16	24	27
Max. Fuse size		A	20	25	35	45
Max allowed puresure		Mpa	5	5	5	5
Outdoor noise level		dB(A)	56	61	67	67
Connection Wiring		AWG	16AWG*4	16AWG*4	16AWG*4	16AWG*4
Refrigerant		Type	R32	R32	R32	R32
		g	1200	1700	2400	2400
	1oz=28.35g	ozs	42.3	60.0	84.7	84.7
Compressor	Model		KSN140D53UFZ3	C-6RZ210H3BAF	C-7RZ320H3CCF	C-7RZ320H3CCF
	Type		Single-Rotary	Dual-Rotary	Dual-Rotary	Dual-Rotary
	Brand		GMCC	SANYANG	SANYANG	SANYANG
Fan motor	Motor Brand		BROAD-OCEAN	BROAD-OCEAN	WOLONG	WOLONG
	Motor Type		DC	DC	DC	DC
Outdoor Air Flow (H)		m3/h	2200	2800	3200	3200
	1CFM=1.7M3/H	CFM	1294	1647	1882	1882
Valve Size	Gas	inch	3/8	3/8	3/8	3/8
	Liquid	inch	1/4	1/4	1/4	1/4
Throttling mode Capillary/EEV.			EEV	EEV	EEV	EEV
Net dimensions (W x D x H)	mm		852*349*602	913*375*669	1083*494*858	1083*494*858
	inch		33.54*13.74*23.70	35.94*14.76*26.34	42.64*19.45*33.78	42.64*19.45*33.78
Net weight	kg		33	44	68.5	70
	lbs		72.8	97.0	151.0	154.3
Outdoor Packing dimensions (W x D x H)	mm		890*385*628	950*420*732	1135*530*900	1135*530*900
	inch		35.04*15.16*24.72	37.4*16.54*28.82	44.68*20.87*35.43	44.68*20.87*35.43
	inch		35"×15 -1/8"×24 -3/4"	37 -3/8"×16 -1/2"×28 -7/8"	44 -5/8"×20 -7/8"×35 -3/8"	44 -5/8"×20 -7/8"×35 -3/8"
Gross weight	kg		35.5	47	73.5	75
	lbs		78	104	162	165
Pre-Charge Length Total		ft (m)	49 (15)	74 (22.5)	98 (30)	123 (37.5)
Lineset Length (Max) - Total		ft (m)	131 (40)	197 (60)	262 (80)	328 (100)
Lineset Length (Max) - Each		ft (m)	82 (25)	98 (30)	98 (30)	98 (30)
Max. Line Set Height Difference Btwn. ODU & Furthest ID		ft (m)	49 (15)	49 (15)	49 (15)	49 (15)
Max. Line Set Height Difference Btwn. IDU		ft (m)	33 (10)	33 (10)	33 (10)	33 (10)
Additional Charge	Φ6.35 (1/4") liquid pipe	oz/ft	0.11	0.11	0.11	0.11
Room temperature	Indoor(cooling/ heating)	°C	17~32/0~27	17~32/0~27	17~32/0~27	17~32/0~27
	Outdoor(cooling/heating)	°C	-15~55/-25~24	-15~55/-25~24	-15~55/-25~24	-15~55/-25~24
Ambinet temperature	Indoor(cooling/ heating)	F	63~90/32~81	63~90/32~81	63~90/32~81	63~90/32~81
	Outdoor(cooling/heating)	F	5~131/-13~75	5~131/-13~75	5~131/-13~75	5~131/-13~75
Loading Capacity (ODU)	40HC		274	189	88	88