



Pulse Series SINGLE ZONE HEAT PUMP MINI SPLITS

Indoor Model #			9K	12K	9K	12K	18K	24K	36K
Outdoor Model #			9K	12K	9K	12K	18K	24K	36K
Type			cooling&heating						
Control type			remote						
Power supply			115V~60Hz/1P	115V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P
Rated Cooling (95F/35C)	Rated cooling capacity (95F/35C)	Btu/h	9000	12000	9000	12000	18000	24000	36000
	Cooling Capacity Range	Btu/h	3400-13000	3400-13000	3400-13500	3400-13000			
	EER2 (95F/35C)	Btu/W.h	12.0	9.5	12.5	9.5	9.5	10.5	9.5
	SEER2	Btu/W.h	20.0	20.0	21.0	20.0	20.0	20.0	19.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	10000	12000	10000	12000	18000	24000	36000
	Rated Heating capacity(17F/-8.3C)	Btu/h	9800	11000	9800	11000	15000	20000	23000
	Range Heating capacity	Btu/h	3400-13900		3400-13900				
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	9	9.5	9	10	9.5	9
	HSPF2 Rating (Region V)	Btu/W.h	8.3	7.8	8.5	7.8	8.5	8.3	8.0
	COP2 (47F/8.3C)	W/W	3.6	3	3.6	3	3.2	2.8	3.1
	Max. Heating capacity (5 F/-15°C)	W/W	7900	9000	7900	9000	12000	16000	23000
	COP2 (5 F/-15°C)	W/W	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	Max. Heating capacity (4 F/-20°C)	Btu/h	6500	7200	6500	7200	11000	14600	16800
	Max. Heating capacity (-13 F/-25°C)	Btu/h	5300	/	5300	/	/	/	/
Rated Input Consumption	Cooling	W	740	1120	710	1070	1580	2080	3850
	Heating	W	875	1120	860	1070	1540	1800	3350
Rated Current	Cooling	A	6.2	9.8	4.4	4.8	7.0	9.1	16.8
	Heating	A	7.3	9.8	3.6	4.8	6.8	7.9	14.7
Min. Circuit Ampacity	A								
Max. Fuse size	A								
Moisture removal	Liters/h		1.25	1.6	1.3	1.6	2.2	2.6	3
Max allowed puresure	Mpa		5.0	5.0	5.0	5.0	5.0	5.0	5.0
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	dB(A)	42/39/34/30/28	45/42/35/30/28	42/39/34/30/28	45/42/35/30/28	49/47/42/37/32	52/50/44/38/36	52/49/43/38/36
Outdoor noise level	dB(A)		53	55	53	55	55	58	63
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"
	Liquid	inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Connecting Wiring	Size x Core number		4x16AWG						
Power Cord	Size x Core number		3x14AWG	3x14AWG	3x14AWG	3x14AWG	3x14AWG	3x14AWG	3x12AWG
Suitable area	sq.ft		Up to200	Up to 280	Up to200	Up to 280	Up to 380	Up to 480	Up to 646
Indoor Motor	Motor Brand								
Indoor air circulation-Turbo/Hi/Mid/Lo/Mute	m³/h		570/530/480/450/410	580/460/400/340/260	570/530/480/450/410	580/460/400/340/260	1050/980/870/700/650	1440/1200/1000/800/700	1440/1200/1000/800/700
	CFM		335/312/282/265/241	342/270/235/200/152	335/312/282/265/241	342/270/235/200/152	617/575/511/411/382	847/705/588/470/412	847/705/588/470/412
Outdoor Unit									
Refrigerant	Type		R32	R32	R32	R454B	R32	R32	R32
	g		600	580	600	580	960	1200	1580
	1oz=28.35g	oz	21.16	20.46	21.16	20.46	33.86	42.33	55.73
Compressor	Brand		GMCC	Rechi	GMCC	Rechi	SANYO	SANYO	GMCC
Outdoor Motor	Motor Brand								
Net dimensions (W x D x H)	Indoor	mm	811*190*306	811*190*306	811*190*306	811*190*306	910*195*305	1005*220*321	1220*251*360
		inch	31.93*7.48*12.05	31.93*7.48*12.05	31.93*7.48*12.05	31.93*7.48*12.05	35.83*7.68*12.01	39.57*8.66*12.64	48.03*9.88*14.17
		inch	31 -7/8*7 -1/2*12"	31 -7/8*7 -1/2*12"	31 -7/8*7 -1/2*12"	31 -7/8*7 -1/2*12"	35 -7/8*7 -5/8*12"	39 -5/8*8 -5/8*12 -5/8"	48*9 -7/8*14 -1/8"
	Outdoor	mm	787*290*498	810*305*549	787*290*498	810*305*549	863*349*602	927*380*699	978*421*803
		inch	30.98*11.42*19.61	31.89*12.01*21.61	30.98*11.42*19.61	31.89*12.01*21.61	33.98*13.74*23.7	36.5*14.96*27.52	38.5*16.57*31.61
		inch	31*11 -3/8*19 -5/8"	31 -7/8*12*21 -5/8"	31*11 -3/8*19 -5/8"	31 -7/8*12*21 -5/8"	34*13 -3/4*23 -3/4"	36 -1/2*15*27 -1/2"	38 -1/2*16 -5/8*31 -5/8"
Net weight	Indoor	kg	9	9	9	9	9.5	12.5	18.0
		lbs	19.8	19.8	19.8	19.8	20.9	27.6	39.7
	Outdoor	kg	23.5	25	23.5	25	32	42.5	48
lbs	51.8	55.1	51.8	55.1	70.5	93.7	105.8		
Indoor Packing dimensions (W x D x H)	mm	885*275*366	880*265*378	880*265*378	880*265*378	880*265*378	880*265*378	979*265*380	1288*326*435
	inch	34.84*10.83*14.41	34.65*10.43*14.88	34.65*10.43*14.88	34.65*10.43*14.88	34.65*10.43*14.88	34.65*10.43*14.88	38.54*10.43*14.96	51.1*12.83*17.13
	inch	34 -7/8*10 -7/8*14 -3/8"	34 -5/8*10 -3/8*14 -7/8"	34 -5/8*10 -3/8*14 -7/8"	34 -5/8*10 -3/8*14 -7/8"	34 -5/8*10 -3/8*14 -7/8"	34 -5/8*10 -3/8*14 -7/8"	38 -1/2*10 -3/8*15"	51 -1/8*12 -7/8*17 -1/8"
Outdoor Packing dimensions (W x D x H) (with pipe)	mm	838*338*540	852*358*600	838*338*540	852*358*600	900*405*645	960*430*732	1022*480*835	
	inch	32.99*13.31*21.26	33.54*14.09*23.62	32.99*13.31*21.26	33.54*14.09*23.62	35.43*15.94*25.39	37.8*16.93*28.82	40.24*18.9*32.87	
	inch	33*13 -1/4*21 -1/4"	33 -1/2*14 -1/8*23 -5/8"	33*13 -1/4*21 -1/4"	33 -1/2*14 -1/8*23 -5/8"	35 -3/8*16*25 -3/8"	37 -3/4*16 -7/8*28 -7/8"	40 -1/4*18 -7/8*32 -7/8"	
Gross weight (without pipe)	Indoor	kg	11	11	11	11	12.5	15.3	22
		lbs	24.3	24.3	24.3	24.3	27.6	33.7	48.5
	Outdoor	kg	26.5	28	27	28	35.5	46.5	52
lbs	58.4	61.7	58.4	61.7	78.3	102.5	114.6		
Gross weight (with 5m pipe)	Outdoor	kg	28	29.5	28	29.5	37	48.5	54.5
		lbs	61.7	65.0	61.7	65.0	81.6	106.9	120.2
Loading Capacity (INDOOR)	40HC		790	790	790	790	700	540	370
Loading Capacity (OUTDOOR)	40HC(with pipe)		360	348	360	348	274	189	143
Factory Precharge Line	(m/ft)		7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25
Maximum Line Length	(m/ft)		15 / 50	15 / 50	15 / 50	15 / 50	20 / 65	20 / 65	30 / 98
Maximum Height Difference Between Indoor and Outdoor	(m/ft)		10 / 33	10 / 33	10 / 33	10 / 33	15 / 49	15 / 49	20 / 65
Additional refrigerant charge	(g/m, oz/ft)		10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11
Operation temperature	°C		16~31	16~31	16~31	16~31	16~31	16~31	16~31
Ambient temperature	Indoor(cooling/ heating)	°C	17~32/0~27	>=17<=30	17~32/0~27	>=17<=30	>=17<=30	>=17<=30	>=17<=30
	Outdoor(cooling/heating)	°C	-15~53/-20~24	-15~50/-20~30	-15~53/-20~24	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30
Ambient temperature	Indoor(cooling/ heating)	F	63~90/32~81	>=62<=86	63~90/32~81	>=62<=86	>=62<=86	>=62<=86	>=62<=86
	Outdoor(cooling/heating)	F	5~127/4~75	5~122/4~86	5~127/4~75	5~122/4~86	5~122/4~86	5~122/4~86	5~122/4~86
Stacking layers	Indoor	pieces	8	8	8	8	6	6	6
	Outdoor	pieces	6	6	6	6	4	3	2