

SAJA
S E R I E S

 **R-32**
REFRIGERANT

MULTI ZONE



 **HIGHEST COOLING
CAPABILITY**

 **OPTIMIZED ENERGY
EFFICIENCY**

 **LOW NOISE LEVEL**

SEER²



CONFORMS TO
UL STD. 1995
CERTIFIED TO
CSA STD. C22.2
NO. 236





WiFi

AUTO-RESTART

TURBO MODE

SLEEP MODE

LCD DISPLAY

SPECIFICATION-ODU

						18K	30K	36K
DC INVERTER	MODEL					MOSA32181	MOSA32301	MOSA32361
SYSTEM FORMAT						1 DRIVE 2	1 DRIVE 4	1 DRIVE 4
CAPACITY	COOLING	NON-DUCTED INDOOR UNITS	CAPACITY AT 95°F/ 35°C	RATED	BTU/H	17700	30000	36000
			CAPACITY RANGE	MIN-MAX	BTU/H	3800-19800	6000-38200	6350-38500
			POWER INPUT	RATED	W	1440	2400	2930
	HEATING	NON-DUCTED INDOOR UNITS	CAPACITY AT 47°F/ 8°C	RATED	BTU/H	18000	30000	36000
			CAPACITY RANGE	MIN-MAX	BTU/H	4200-22000	6300-36000	7000-43000
			POWER INPUT AT 47°F/ 8°C	RATED	W	1390	2250	2640
			CAPACITY AT 17°F/ -8°C	RATED	BTU/H	14700	27200	30800
			CAPACITY AT 5°F/ -15°C	MAX	BTU/H	14500	24600	25600
ELECTRIC DATA	POWER SUPPLY				V~,HZ,PH	208~230,60,1	208~230,60,1	208~230,60,1
	COOLING POWER INPUT				W	1440	2400	2930
	HEATING POWER INPUT				W	1390	2250	2640
	RATED CURRENT (COOLING&HEATING)				A	6.39/6.17	10.65/9.98	12.87/11.59
	MAX.INPUT CURRENT				A	13	23	25
	MIN.CIRCUIT AMPACITY(MCA)				A	15	26	29
	RECOMMENDED FUSE SIZE				A	20	30	30
	MAX.FUSE SIZE/MAX.OVERCURRENT PROTECTION(MOP)				A	20	40	45
	MAX POWER				KW	2.7	4.6	4.9
EFFICIENCY	NON-DUCTED INDOOR UNITS	SEER2		BTU/W	22	23	23	
		HSPF2 (REGION IV)		BTU/W	10	10	10	
		HSPF2 (REGION V)		BTU/W	8	8.5	7.5	
		COP		W/W	3.8	3.9	4	
		EER2		BTU/W	12.3	12.5	12.3	
DC INV. COMPRESSOR	QUANTITY				-	1	1	1
	TYPE				-	ROTARY	ROTARY	ROTARY
	BRAND				-	GMCC	GMCC	GMCC
	CAPACITY				W	4345	7640	7640
	INPUT				W	1100	2065	2065
	POWER SUPPLY		V~,HZ,PH		208~230,60,1	208~230,60,1	208~230,60,1	
	RATED CURRENT				A	6.75	9.3	9.3
	REFRIGERANT OIL				ML	VG74/420ML	VG74/620ML	VG74/620ML
FREQUENCY RANGE				-	10~120 HZ	12~120 HZ	12~120 HZ	
AIR FLOW VOLUME					CFM	1529	2353	2353
					M3/H	2600	4000	4000
NOISE LEVEL	SOUND PRESSURE NOISE LEVEL				DB(A)	54	58	59
	SOUND POWER NOISE LEVEL				DB(A)	64	68	69
DIMENSION	NET DIMENSION (W*D*H)				MM	880*353*557	1046*455*808	1046*455*808
					INCH	34.65*13.90*21.93	41.18*17.91*31.81	41.18*17.91*31.81
	PACKING DIMENSION (W*D*H)				MM	900*380*615	1105*495*885	1105*495*885
					INCH	35.43*14.96*24.21	43.50*19.49*34.84	43.50*19.49*34.84
	STRENGTHEN PACKAGING DIMENSION (W*D*H)		FIVE LAYER - SEVEN LAYER CORRUGATED CARDBOARD BOX		MM	913*398*660	/	/
					INCH	35.94*15.67*25.98	/	/
					MM	/	1105*495*925	1105*495*925
				INCH	/	43.50*19.49*36.42	43.50*19.49*36.42	
WEIGHT	NET/GROSS				KG	34/36.5	675/71.5	70/74
					LBS	75.0/80.5	148.8/157.6	154.3/163.1
REFRIGERANT TYPE/QUANTITY	TYPE				-	R32	R32	R32
	CHARGED VOLUME				KG/OZ	1.1/38.8	1.9/67.0	2.3/81.2
	ADDITIONAL CHARGE				(G/M)/(OZ/FT)	15/0.16	15/0.16	15/0.16
PIPING	PRE-CHARGE LENGTH				M(FT)	15(49.2)	30(98.4)	30(98.4)
	LIQUID SIDE				INCH	(1/4)	(1/4)	(1/4)
	GAS SIDE				INCH	(3/8)	(3/8)	(3/8)
	MAX. LENGTH FOR ALL ROOMS (M)				M/FT	40/131	80/263	80/263
	MAX. LENGTH FOR ONE IDU (M)				M/FT	25/82	35/115	35/115
	MAX. HEIGHT DIFFERENCE BETWEEN IDU AND OU (M)				M/FT	15/49	15/49	15/49
	MAX. HEIGHT DIFFERENCE BETWEEN IDUS (M)				M/FT	10/33	10/33	10/33
AMBIENT TEMP (COOLING/HEATING)					°F	-13~125°F/-13~75°F	-13~125°F/-13~75°F	-13~125°F/-13~75°F
SPECIFICATION OF WIRING	POWER WIRING (ODU)				AWG	3X14	3X10	3X10
	CONNECTION WIRING(IDU & ODU)				AWG	4X18	4X18	4X18
STUFFING QUANTITY	20/40/40H				UNIT	114/234/312	44/92/144	44/92/144



WiFi



AUTO-RESTART



TURBO MODE



SLEEP MODE



LCD DISPLAY

SPECIFICATION-WALL MOUNTED

			7K	9K	12K	18K
INDOOR	MODEL		MISAW3207	MISAW3209	MISAW3212	MISAW3218
CAPACITY	COOLING	BTU/H	7000	9000	12000	17000
	HEATING	BTU/H	7000	9000	12300	17700
ELECTRIC DATA	POWER SUPPLY	V~HZ,PH	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	INPUT CURRENT	A	0.13	0.13	0.13	0.25
INDOOR FAN MOTOR	BRAND	-	WEILING	WEILING	WEILING	WEILING
	OUTPUT POWER	W	13	13	13	30
	SPEED (TU/Hi/MI/LO)	R/MIN	COOLING:1280/1130/1015/900 HEATING:1280/1180/1040/900	COOLING:1280/1130/1015/900 HEATING:1280/1180/1040/900	COOLING:1330/1180/1040/900 HEATING:1330/1230/1065/900	COOLING:1330/1180/1050/900 HEATING:1280/1130/1000/900
-	AIR FLOW VOLUME (TU/Hi/MI/LO)	CFM	COOLING:353/312/282/247 HEATING:353/324/288/247	COOLING:353/312/282/247 HEATING:353/324/288/247	COOLING:382/324/294/235 HEATING:371/335/300/241	COOLING:618/559/500/441 HEATING:588/529/471/441
		M3/H	COOLING:600/530/480/420 HEATING:600/550/490/420	COOLING:600/530/480/420 HEATING:600/550/490/420	COOLING:650/550/500/400 HEATING:630/570/510/410	COOLING:1050/950/850/750 HEATING:1000/900/800/750
	SOUND PRESSURE NOISE LEVEL	DB(A)	40/38/35/30	40/38/35/30	42/40/36/32	49/45/40/35
		KG/H [LBS/H]	0.7 [15]	0.7 [15]	1 [2.2]	1.6 [3.5]
DIMENSION	NET DIMENSION (W*D*H)	MM	788*198*292	788*198*292	876*194*298	986*225*315
		INCH	31.02*780*11.50	31.02*780*11.50	34.49*764*11.73	38.82*886*12.40
	PACKING DIMENSION (W*D*H)	MM	880*290*370	880*290*370	965*282*370	1070*312*385
		INCH	34.65*1142*14.57	34.65*1142*14.57	37.99*111.14.57	42.13*12.28*15.16
WEIGHT	NET/GROSS	KG	8.0/10.0	8.0/10.0	9.0/11.0	12.0/15.0
		LBS	17.60/22.00	17.60/22.00	19.80/24.27	26.45/32.26
REFRIGERANT TYPE	-	-	R32	R32	R32	R32
PIPE DIAMETER	LIQUID SIDE	(INCH)	(1/4)	(1/4)	(1/4)	(1/4)
	GAS SIDE	(INCH)	(3/8)	(3/8)	(3/8)	(3/8)
	DRAINAGE	(INCH)	(2/3)	(2/3)	(2/3)	(2/3)
STUFFING QUANTITY	20/40/40H	UNIT	304/640/720	304/640/720	296/608/684	224/462/528

SPECIFICATION-8WAY CASSETTE

			12K	18K
INDOOR	MODEL		MISAC3212	MISAC3218
CAPACITY	COOLING	BTU/H	12000	18000
	HEATING	BTU/H	12000	18500
ELECTRIC DATA	POWER SUPPLY	V~HZ,PH	208~230,60,1	208~230,60,1
	INPUT CURRENT	A	0.20	0.32
INDOOR FAN MOTOR	BRAND	-	PANASONIC	PANASONIC
	OUTPUT POWER	W	30	45
	CAPACITOR	UF	-	-
-	SPEED (HI/MI/LO)	R/MIN	720/610/530	840/720/660
		CFM	412/365/312	447/382/341
	AIR FLOW VOLUME (HI/MI/LO)	M3/H	700/620/530	760/650/580
		DB(A)	40/36/33	45/41/38
MOISTURE REMOVAL		KG/H [LBS/H]	1 [2.2]	1.6 [3.5]
DIMENSION	NET DIMENSION(WXDXH)	INCH	22.44*22.44*10.24	22.44*22.44*10.24
	PACKING DIMENSIONS(WXDXH)	INCH	28.35*25.59*11.42	28.35*25.59*11.42
	NET DIMENSIONS(PANEL)	INCH	25.59*25.59*2.17	25.59*25.59*2.17
	PACKING DIMENSIONS(PANEL)	INCH	27.95*27.95*3.15	27.95*27.95*3.15
WEIGHT	NET/GROSS(BODY)	LBS	30.9/37.5	33.1/38.6
	NET/GROSS(PANEL)	LBS	4.9/8.2	4.9/8.2
REFRIGERANT TYPE	-	-	R32	R32
PIPE DIAMETER	LIQUID SIDE	INCH	(1/4)	(1/4)
	GAS SIDE	INCH	(3/8)	(1/2)
	DRAINAGE	INCH	25 (0.984)	0.984
STUFFING QUANTITY	20/40/40H	UNIT	216/432/486	216/432/486
OPERATION TEMPERATURE RANGE		°C	16~32	16~32
		°F	60.8~89.6	60.8~89.6

