

Réfrigérant R410A, Respect l'environnement  
DC "Inverter" économisez jusqu'à 40% d'énergie  
Télécommande

R410A Environmentally refrigerant.  
DC "inverter" save up to 40% on energy consumption.  
Remote control



Specifications of 13 SEER Wall Split Air Conditioners

Specifications of 16 SEER Inverter Wall Split Air Conditioners

Model		MSG-09HRN1	MSG-12HRN1	MSE-18HRN1	MSG-24HRN1
Power supply	Ph-V/Hz	1Ph, 115V, 60Hz	1Ph, 115V, 60Hz	1Ph, 208/230V, 60Hz	1Ph, 208/230V, 60Hz
	Capacity	Btu/h 9000	12000	18000	23000
	Input	W 769	1060	1550	2000
	Rated current	A 7.6	10.0	6.88/6.8	9.3/8.8
Cooling	EER	WW 13	13	13.0	13
	SEER				
	Capacity	Btu/h 10000	12500	18000	23000
	Input	W 810	1060	1600	2000
Heating	Rated current	A 7.6	10.0	7.8/7.0	9.3/8.8
	COP	WW 7.7	7.7	7.7	7.7
	HSPF				
	Moisture Removal	L/h 1.0	1.2	1.8	2.6
Max. input consumption	W	13.6	17.2	12.7	16.5
	A	40.3	47.3	32.8	34.8
Starting current	Type	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA
Compressor	Capacity	Btu/h 8138	10918	15166/15354	19823/20131
	Capacitor	uF 45	45	40	50
	Indoor air flow (H/M/L)	m <sup>3</sup> /h 580/460/370	850/730/670	1050/1000/930	1350/1170/1060
	Indoor noise level (H/M/L)	dB(A) 42/39/36	47/44/41	48/45/42	52/49/46
Indoor unit	Dimension(W*D*H)	mm 790x195x265	920x225x292	1080x230x330	1155x255x325
	Packing (W*D*H)	mm 875x285x375	1075x295x368	1155x445x320	1345x430x335
	Net/Gross weight	kg 7.5/9	13/15	15/21	18/25
Outdoor air flow	m <sup>3</sup> /h	1900	2000	3000	3500
	dB(A)	58	56	59	62
Outdoor noise level	Dimension(W*D*H)	mm 780x250x540	960x285x590	845x320x700	900x315x860
	Packing (W*D*H)	mm 910x335x585	887x355x645	955x395x755	1043x395x915
	Net/Gross weight	kg 31/33.5	36/39	65/69	65/69
Refrigerant type	g	R410A/1070g	R410A/1350g	R410A/2040g	R410A/2430g
	MPa	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Design pressure	Liquid side/ Gas side	mm(inch) 6.35/5.2(1/4)(3/8")	6.35/12.7(1/4)(1/2")	6.35/12.7(1/4)(1/2")	9.52/16.0(3/8)(5/8")
	Max. refrigerant pipe length	m	20	25	25
	Max. difference in level	m	8	10	10
Thermostat type	Remote control	Remote control	Remote control	Remote control	Remote control
	Operation temp	°C 17-30	17-30	17-30	17-30
Ambient temp (cooling/heating)	°C	18-43/-7-24	18-43/-7-24	18-43/-7-24	18-43/-7-24

	Indoor	MS1D-09HRN1-8N10W	MS1D-12HRN1-8N10W	MS1D-18HRN1-8N10W	MS1D-22HRN1-8N10W
Power supply	Outdoor	MCR-09CN1-8N10W	MCR-12CN1-8N10W	MCR-18CN1-8N10W	MCR-22CN1-8N10W
	Ph-V/Hz	115V- 60Hz, 1Ph	115V- 60Hz, 1Ph	230V- 60Hz, 1Ph	230V- 60Hz, 1Ph
	Capacity	Btu/h 9000	12000	18000	22000
	Input	W 950	1320	1920	2340
Cooling	SEER	BTU/W 16	16	16	16
	Capacity	Btu/h 9000	12000	18000	22000
Heating	Input	W 950	1220	1750	2150
	HSPF	BTU/E 8.2	8.2	8.2	8.2
Indoor air flow (H/M/L)	m <sup>3</sup> /h	5004/10360	600/530400	750/600480	1250/150960
Indoor noise level (H/M/L)	dB(A)	38/31/29	39/30/31	42/39/31	49/40/39
Indoor unit	Dimension(W*D*H)	mm 660x178x255	776x188x255	905x198x275	1030x218x315
	inch	26.77x7.01x10.04	30.57x7.43x10.04	35.63x7.8x10.83	40.55x8.58x12.40
	Packing (W*D*H)	mm 745x255x320	835x265x320	970x279x345	1115x395x320
	Net/Gross weight	kg 29.3x10.0x4.12x9	32.8x10.4x3.12x9	38.19x10.6x3.13x8	43.8x15.5x11.81
Outdoor air flow	m <sup>3</sup> /h	1650	1900	2300	2700
	dB(A)	56	57	59	60
Outdoor noise level	Dimension(W*D*H)	mm 660x265x540	660x265x540	760x285x590	845x320x700
	inch	26x10.4x21.3	26x10.4x21.3	29.9x11.2x23.23	33.27x12.6x27.56
	Packing (W*D*H)	mm 790x355x620	790x355x620	887x355x645	965x395x752
	Net/Gross weight	kg 31.1x14.0x4.4	31.1x14.0x4.4	34.9x13.9x4.25x9	37.98x15.5x9.72
Refrigerant type	oz	R410A/23.99	R410A/32.1	R410A/42.3	R410A/56.44
Design pressure	MPa	550/340 PSIG	550/340 PSIG	550/340 PSIG	550/340 PSIG
Refrigerant piping	Liquid side/ Gas side	mm(inch) 6.35/5.2(1/4)(3/8")	6.35/5.2(1/4)(3/8")	6.35/12.7(1/4)(1/2")	9.52/15.93(3/8)(5/8")
	Max. refrigerant pipe length	m	20	25	25
	Max. difference in level	m	8	10	10
Connection wiring		168	168	168	168
Thermostat type	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	Indoor(cooling/heating)	°C 17-30	17-30	17-30	17-30
	Outdoor(cooling/heating)	°C 0-50/-15-34	0-50/-15-34	0-50/-15-34	0-50/-15-34