



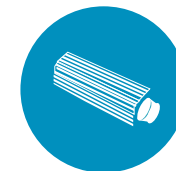
MINI SPLIT AIR CONDITIONER



Optional
Accessories

60Hz ON-OFF

COOLING ONLY & HEAT PUMP



GOLD FIN



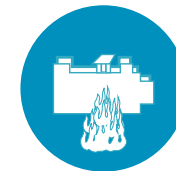
EMERGENCY USING



4EIBJSIGMPX



REFRIGERANT LEAKAGE
DETECT



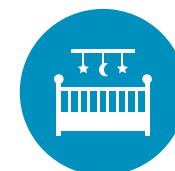
FIRE-PROOF
ELECTRIC BOX



HIGH DENSITY
FILTER



MANUAL ON/OFF



MUTE OPERATION

THE UNIT HAS A WIDE OPERATING TEMPERATURE
RANGE AND CAN OPERATE STABLY UNDER T3 CONDITION



T3 WORKING
CONDITION



COOLING & HEATING

Specification

T3 COOLING ONLY ON-OFF

Model (Indoor,Outdoor)			ZMSB-12CNA-ME	ZMSB-18CNA-ME	ZMSB-22CNA-ME	ZMSB-28CNA-ME	ZMSB-31CNA-ME
Power supply		Ph-V-Hz	230V,1Ph,60Hz	220-230V,1Ph,60Hz	230V,1Ph,60Hz	230V,1Ph,60Hz	230V,1Ph,60Hz
Cooling (Standard conditions)	Capacity	Btu/h	12000	18000	22000	28000	31400
	Input	W	968	1469	1781	2230	2614
	Rated current	A	4.33	6.5	7.9	9.7	11.6
	EER	W/W	3.63	3.59	3.62	3.68	3.52
Rated Power Input		W	1490	2120	2570	3380	4100
Rated Current		A	7.6	10.7	13	17.5	20.5
Starting current		A	27	34	50	60	78
Indoor air flow (Hi/Mi/Lo)		m ³ /h	692/611/493	1160/960/880	1200/1100/1010	1410/1310/1175	1620/1440/1280
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/37.5/33.5	47.5/42.5/39.5	46.5/44/42	50.5/48.5/44.5	50.5/47.5/44.5
Outdoor air flow		m ³ /h	2000	3100	4000	4000	4000
Outdoor noise level		dB(A)	55	58	56	58.5	61
Refrigerant type		Kg	R410A/0.85	R410A/1.1	R410A/2.2	R410A/2.5	R410A/2.6
Indoor unit	Dimension (W*D*H)	mm	965x215x319	1080x226x335	1080x226x335	1259x282x362	1350x272x365
	Packing (W*D*H)	mm	1045x305x410	1155x415x315	1155x415x320	1340x450x385	1475x460x380
	Net/Gross weight	Kg	11.5/15	14.9/18.7	14.1/17.8	19.9/25.6	21.3/27.3
Outdoor unit	Dimension (W*D*H)	mm	770x300x555	845x363x702	946x410x810	946x410x810	946x410x810
	Packing (W*D*H)	mm	900x348x625	965x395x765	1090x500x885	1090x500x885	1090x500x885
	Net/Gross weight	Kg	30.1/33	47.1/50.5	60.9/65.5	64.2/68.5	68.4/73
Room temperature	Indoor (cooling/ heating)	℃	17 ~ 32//	17 ~ 32//	17 ~ 32//	17 ~ 32//	17 ~ 32//
	Outdoor (cooling/heating)	℃	18 ~ 52//	18 ~ 52//	18 ~ 52//	18 ~ 52//	18 ~ 52//
Application area (Cooling Standard)		m2	16 ~ 23	24 ~ 35	29 ~ 43	36 ~ 53	42 ~ 61
Qty' per 20' /40' /40'HQ			86/180/208	60/126/142	44/92/108	36/76/88	36/73/90

T3 HEAT PUMP ON-OFF

Model (Indoor,Outdoor)			ZMSB-12CHA-ME	ZMSB-18CHA-ME	ZMSB-22CHA-ME	ZMSB-28CHA-ME	ZMSB-31CHA-ME
Power supply		Ph-V-Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	230V,1Ph,60Hz	220-230V,1Ph,60Hz	230V,1Ph,60Hz
Cooling (Standard conditions)	Capacity	Btu/h	11800	18000	22000	27000	31400
	Input	W	952	1452	1781	2180	2614
	Rated current	A	4.17	6.3	7.9	9.67	11.6
	EER	W/W	3.63	3.63	3.62	3.63	3.52
Heating	Capacity	Btu/h	11260	17400	22007	26500	30708
	Input	W	943	1645	1792	2095	2455
	Rated current	A	4.09	7.15	7.95	9.3	10.9
	COP	W/W	3.5	3.1	3.6	3.7	3.67
Rated Power Input		W	1490	2120	2500	3370	4100
Rated Current		A	7.6	10.7	12.6	17.4	20.5
Starting current		A	27	34	50	60	78
Indoor air flow (Hi/Mi/Lo)		m ³ /h	687/603/522	1184/1089/1006	1200/1100/1010	1343/1237/1103	1620/1440/1280
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/38/35.5	49/46.5/45.5	49.5/45.5/43	50.5/46.5/43.5	51/48/45
Outdoor air flow		m ³ /h	2000	4200	4000	4000	4000
Outdoor noise level		dB(A)	55.5	58	58.5	57.5	63
Refrigerant type		Kg	R410A/1.1	R410A/1.96	R410A/2.22	R410A/2.6	R410A/2.7
Indoor unit	Dimension (W*D*H)	mm	965x215x319	1080x226x335	1080x226x335	1259x282x362	1350x272x365
	Packing (W*D*H)	mm	1045x305x410	1155x415x320	1155x415x320	1340x450x385	1475x460x380
	Net/Gross weight	Kg	11.5/14.9	15.1/18.8	13.9/17.6	20.3/26.1	21.3/27.4
Outdoor unit	Dimension (W*D*H)	mm	770x300x555	890x342x673	946x410x810	946x410x810	946x410x810
	Packing (W*D*H)	mm	900x345x595	995x435x750	1090x500x885	1090x500x885	1090x500x885
	Net/Gross weight	Kg	33.9/36.6	49.2/52.5	62.5/67.3	66.9/71.8	69.8/74.5
Room temperature	Indoor (cooling/ heating)	℃	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor (cooling/heating)	℃	18 ~ 52/-7 ~ 24	18 ~ 52/-7 ~ 24	18 ~ 54/-7 ~ 24	18 ~ 52/-7 ~ 24	18 ~ 52/-7 ~ 24
Application area (Cooling Standard)		m2	16 ~ 23	24 ~ 35	29 ~ 43	36 ~ 52	42 ~ 61
Qty' per 20' /40' /40'HQ			96/198/220	64/130/149	44/92/108	36/76/88	36/73/90