

MAC series Air Cooler MAC系列吊顶式冷风机

1 产品描述 Product Description

2 型号标识 Nomenclature

3 技术参数 technical data

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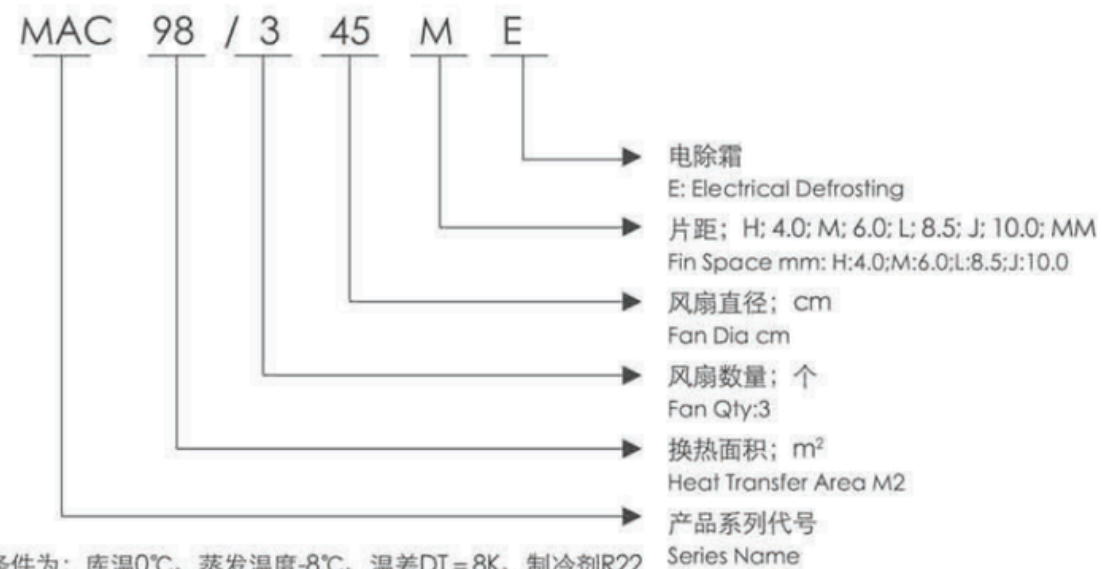
产品描述 PRODUCT DESCRIPTION

MAC series ceiling air cooler is freon refrigeration units, can be used for the food fresh, cold storage and quick freezing etc.

This series products features:

- Coil made of $\phi 12.7$ efficient copper tube with internal thread, 37.5x32.5 positioned in equilateral triangle.
- 4 different fin space of 4.0, 6.0, 8.5, 10.0 for customer's choice to meet different temperature requirement of the room.
- External rotor fan for low temperature, with low noise, high efficiency, and reliability.
- Stainless steel electric heater produced by Italian Zuomoshi Company, which evenly placed in the coil with good defrosting effect.
- Fan motor and electric heater has been connected to the terminal box, convenient for wire connection.
- Shell made of alloy of aluminum or stainless plate, easy to be assembled and disassembled.

型号标识 NOMENCLATURE



名义换热条件为: 库温0°C、蒸发温度-8°C、温差DT=8K、制冷剂R22
Nominal capacity affected by: room temperature 0°C, evap. Temperature -8°C, different temperature DT=8K, and refrigerant is R22.

技术参数 TECHNICAL DATA

1. Fin space 4.0mm(for room temperature 0°C and beyond)

Model	Nominal capacity (kw)	Area m ²	Air flow m ³ /h	Air throw m	Tube V dm ³	Fan motor				Electrical Defrosting			
						Voltage V	Dia. mm	Qty	Input W	Voltage V	Coil tube Input(kW)	Water Input(kW)	
Fan blade $\phi 350$	MAC17/135HE	3.67	16.8	2500	12	4	380	350	1	150	220	1.2	0.6
	MAC25/135HE	5.15	25.2	2300	11	6	380	350	1	150	220	1.2	0.6
	MAC34/235HE	7.34	33.6	5000	13	7.7	380	350	2	300	220	2.4	1.2
	MAC51/235HE	10.36	50.5	4600	12	11.5	380	350	2	300	220	3.6	1.2
	MAC51/335HE	11.12	50.5	7500	14	11.3	380	350	3	450	220	3	1.5
	MAC76/335HE	15.49	75.7	6900	13	17	380	350	3	450	220	4.5	1.5
Fan blade $\phi 450$	MAC48/145HE	9.98	47.7	5000	14	11.1	380	450	1	250	220	3.3	1.3
	MAC64/145HE	12.07	63.5	4800	12	14.7	380	450	1	250	220	4.4	1.3
	MAC95/245HE	19.95	95.3	10000	16	21.4	380	450	2	500	220	6	2.4
	MAC127/245HE	24.13	127	9600	14	28.5	380	450	2	500	220	8	2.4
	MAC143/345HE	29.93	143	15000	18	31.8	380	450	3	750	220	9	3.3
	MAC191/345HE	36.29	191	14400	16	42.4	380	450	3	750	220	12	3.3
	MAC191/445HE	39.9	191	20000	18	42.1	380	450	4	1000	220	12	3.8
Fan blade $\phi 550$	MAC254/445HE	48.26	254	19200	16	55	380	450	4	1000	220	16	3.8
	MAC206/255HE	39.14	205.6	15600	20	45.8	380	550	2	1200	220	12	4
	MAC257/255HE	46.48	257	15200	18	57.3	380	550	2	1200	220	16	4
	MAC310/355HE	58.19	308.4	23400	22	68.2	380	550	3	1800	220	20	4
	MAC385/355HE	69.71	385.4	22800	20	85.2	380	550	3	1800	220	24	4
	MAC410/455HE	78.29	411	31200	23	90.6	380	550	4	2400	220	26	6
	MAC514/455HE	93.05	514	30400	21	113.2	380	550	4	2400	220	30	6
Fan blade $\phi 630$	MAC290/263HE	54.86	287.8	23600	30	64.2	380	630	2	1760	220	18	4
	MAC360/263HE	65.05	359.7	21600	28	80.3	380	630	2	1760	220	24	4
	MAC432/363HE	82.19	431.7	35400	30	95.5	380	630	3	2640	220	28	6
	MAC540/363HE	97.62	539.6	32400	28	119	380	630	3	2640	220	35	6
	MAC576/463HE	109.52	575.6	47200	30	127	380	630	4	3520	220	40	8
	MAC720/463HE	130.2	719.5	43200	28	159	380	630	4	3520	220	50	8

2.Fin space 6.0mm(for room temperature-18°C and beyond)

Model		Nominal capacity (kw)	Area m ²	Air flow m ³ /h	Air throw m	Tube V dm ³	Fan motor				Electrical Defrosting		
							Voltage V	Dia. mm	Qty	Input W	Voltage V	Coil tube Input(kW)	Water Input(kW)
Fan blade φ350	MAC12/135ME	2.95	11.5	2800	13	4	380	350	1	150	220	1.2	0.6
	MAC17/135ME	4.11	17.3	2500	12	6	380	350	T	150	220	1.2	0.6
	MAC23/235ME	5.9	23	5600	14	7.7	380	350	2	300	220	2.4	1.2
	MAC35/235ME	8.22	34.6	5000	13	11.5	380	350	2	300	220	3.6	12
	MAC35/335ME	8.87	34.6	8400	15	11.3	380	350	3	450	220	3	1.5
	MAC52/335ME	12.35	51.9	7500	14	17	380	350	3	450	220	4.5	1.5
	MAC33/145ME	7.26	32.6	5200	15	11.1	380	450	1	250	220	3.3	1.3
Fan blade φ450	MAC44/145ME	8.68	43.5	5000	14	14.7	380	450	1	250	220	4.4	1.3
	MAC65/245ME	14.54	65.2	10400	16	21.4	380	450	2	500	220	6	2.4
	MAC87/245ME	17.39	87	10000	15	28.5	380	450	2	500	220	8	2.4
	MAC98/345ME	21.95	98	15600	18	31.8	380	450	3	750	220	9	3.3
	MAC131/345ME	26.03	130.6	15000	16	42.4	380	450	3	750	220	12	3.3
	MAC131/445ME	29.17	130.6	20800	20	42.1	380	450	4	1000	220	12	3.8
	MAC174/445ME	34.68	174	20000	18	55	380	450	4	1000	220	16	3.8
Fan blade φ550	MAC141/255ME	30.1	140.8	16600	24	45.8	380	550	2	1200	220	12	4
	MAC176/255ME	35.24	176	15600	22	57.3	380	550	2	1200	220	16	4
	MAC210/355ME	43.24	211.2	24900	26	68.2	380	550	3	1800	220	20	4
	MAC264/355ME	52.76	264	23400	24	85.2	380	550	3	1800	220	24	4
	MAC282/455ME	56.29	281.6	33200	28	90.6	380	550	4	2400	220	26	6
	MAC352/455ME	70.38	352	31200	26	113.2	380	550	4	2400	220	30	6

Fan blade φ630	MAC197/263ME	41.3	197.1	23600	28	64.2	380	630	2	1760	220	18	4
	MAC246/263ME	49.24	246.4	21600	24	80.3	380	630	2	1760	220	24	4
	MAC296/363ME	62	295.7	35400	30	95.5	380	630	3	2640	220	28	6
	MAC370/363ME	73.9	369.6	32400	26	119	380	630	3	2640	220	35	6
	MAC394/463ME	82.57	394.2	47200	30	127	380	630	4	3520	220	40	8
	MAC493/463ME	98.57	492.8	43200	28	159	380	630	4	3520	220	50	8

3.Fin space 8.5mm (for room temperature-25°C and beyond)

Model		Nominal capacity (kw)	Area m ²	Air flow m ³ /h	Air throw m	Tube V dm ³	Fan motor				Electrical Defrosting		
							Voltage V	Dia. mm	Qty	Input W	Voltage V	Coil tube Input(kW)	Water Input(kW)
Fan blade φ350	MAC9/135LE	2.47	8.6	3000	13	4	380	350	1	150	220	1.2	0.6
	MAC13/135LE	3.33	13	2600	11	6	380	350	1	150	220	1.2	0.6
	MAC17/235LE	4.94	17.3	6000	13	7.7	380	350	2	300	220	2.4	1.2
	MAC26/235LE	6.65	25.9	5200	12	11.5	380	350	2	300	220	3.6	1.2
	MAC26/335LE	7.32	25.9	9000	14	11.3	380	350	3	450	220	3	1.5
	MAC39/335LE	9.98	38.9	7800	13	17	380	350	3	450	220	4.5	1.5
Fan blade φ450	MAC25/145LE	6.27	24.5	5000	14	11.1	380	450	1	250	220	3.3	1.3
	MAC33/145LE	7.79	32.6	4800	14	14.7	380	450	1	250	220	4.4	1.3
	MAC50/245LE	12.54	49.5	10000	18	21.4	380	450	2	500	220	6	2.4
	MAC65/245LE	15.49	65.2	9600	16	28.5	380	450	2	500	220	8	2.4
	MAC74/345LE	18.81	73.5	15000	20	31.8	380	450	3	750	220	9	3.3
	MAC98/345LE	23.28	98	14400	18	42.4	380	450	3	750	220	12	3.3
	MAC98/445LE	25.18	98	20000	22	42.1	380	450	4	1000	220	12	3.8
	MAC131/445LE	31.07	130.6	19200	20	55	380	450	4	1000	220	16	3.8

Fan blade φ550	MAC206/255HE	39.14	205.6	15600	20	45.8	380	550	2	1200	220	12	4
	MAC257/255HE	46.48	257	15200	18	57.3	380	550	2	1200	220	16	4
	MAC310/355HE	58.19	308.4	23400	22	68.2	380	550	3	1800	220	20	4
	MAC385/355HE	69.71	385.4	22800	20	85.2	380	550	3	1800	220	24	4
	MAC410/455HE	78.29	411	31200	23	90.6	380	550	4	2400	220	26	6
	MAC514/455HE	93.05	514	30400	21	113.2	380	550	4	2400	220	30	6
Fan blade φ630	MAC290/263HE	54.86	287.8	23600	30	64.2	380	630	2	1760	220	18	4
	MAC360/263HE	65.05	359.7	21600	28	80.3	380	630	2	1760	220	24	4
	MAC432/363HE	82.19	431.7	35400	30	95.5	380	630	3	2640	220	28	6
	MAC540/363HE	97.62	539.6	32400	28	119	380	630	3	2640	220	35	6
	MAC576/463HE	109.52	575.6	47200	30	127	380	630	4	3520	220	40	8
	MAC720/463HE	130.2	719.5	43200	28	159	380	630	4	3520	220	50	8

Model	Nominal capacity (kw)	Area m ²	Air flow m ³ /h	Air throw m	Tube V dm ³	Fan motor				Electrical Defrosting			
						Voltage V	Dia. mm	Qty	Input W	Voltage V	Coil tube Input(kW)	Water Input(kW)	
Fan blade φ550	MAC92/255JE	25.24	91.5	16600	24	45.8	380	550	2	1200	220	12	4
	MAC115/255JE	29.43	114.4	15600	22	57.3	380	550	2	1200	220	16	4
	MAC140/355JE	37.9	137.3	24900	26	68.2	380	550	3	1800	220	20	4
	MAC172/355JE	44.19	172	23400	24	85.2	380	550	3	1800	220	24	4
	MAC183/455JE	50.57	183	33200	28	90.6	380	550	4	2400	220	26	6
	MAC230/455JE	58.86	228.8	31200	26	113.2	380	550	4	2400	220	30	6
Fan blade φ630	MAC130/263JE	35.3	128.1	23600	28	64.2	380	630	2	1760	220	18	4
	MAC160/263JE	41.24	160.2	21600	24	80.3	380	630	2	1760	220	24	4
	MAC192/363JE	53.05	192.2	35400	30	95.5	380	630	3	2640	220	28	6
	MAC240/363JE	61.8	240.2	32400	26	119	380	630	3	2640	220	35	6
	MAC256/463JE	70.76	256.3	47200	30	127	380	630	4	3520	220	40	8
	MAC320/463JE	82.38	320.3	43200	28	159	380	630	4	3520	220	50	8

4.Fin space 10.0mm (for room temperature-35°Cand beyond)

Model	Nominal capacity (kw)	Area m ²	Air flow m ³ /h	Air throw m	Tube V dm ³	Fan motor				Electrical Defrosting			
						Voltage V	Dia. mm	Qty	Input W	Voltage V	Coil tube Input(kW)	Water Input(kW)	
Fan blade φ450	MAC21/145JE	5.8	21.2	5000	14	11.1	380	450	1	250	220	3.3	1.3
	MAC28/145JE	7.22	28.3	4800	14	14.7	380	450	1	250	220	4.4	1.3
	MAC43/245JE	11.69	42.4	10000	18	21.4	380	450	2	500	220	6	2.4
	MAC57/245JE	14.54	56.6	9600	16	28.5	380	450	2	500	220	8	2.4
	MAC64/345JE	17.48	63.6	15000	20	31.8	380	450	3	750	220	9	3.3
	MAC85/345JE	21.85	85	14400	18	42.4	380	450	3	750	220	12	3.3
	MAC85/445JE	23.47	85	20000	22	42.1	380	450	4	1000	220	12	3.8
MAC113/445JE	29.07	113.2	19200	20	55	380	450	4	1000	220	16	3.8	

5.Overall and installation size

Model	Overall size(mm)			Installation size(mm)						Pipe connection(mm)		drainage
	A	B	C	D	E	E1	E2	E3	F	In	Out	
MAC17/135HE MAC12/135ME MAC9/135LE	890	495	588	425	640				122.5	φ12.7	φ22	1"
MAC25/135HE MAC17/135ME MAC13/135LE	890	495	588	425	640				122.5	φ12.7	φ22	1"
MAC34/235HE MAC23/235ME MAC17/235LE	1490	528	588	425	1240				122.5	φ12.7	φ28	1"
MAC51/235HE MAC35/235ME MAC26/235LE	1490	528	588	425	1240				122.5	φ12.7	φ28	1"

Model	Overallsize(mm)			Installation size(mm)						Pipe connection(mm)		drainage
	A	B	C	D	E	E1	E2	E3	F	In	Out	
MAC51/335HE MAC35/335ME MAC26/335LE	2085	460	575	430	1840				122.5	φ12.7	φ28	2"
MAC76/335HE MAC52/335ME MAC39/335LE	2085	460	575	430	1840				122.5	φ16	φ35	2"
MAC48/145HE MAC33/145ME MAC25/145LE MAC21/145JE	1205	600	730	575	890				155	φ22	φ35	1"
MAC64/145HE MAC44/145ME MAC33/145LE AC28/145JE	1205	600	730	575	890				155	φ22	φ35	1"
MAC95/245HE MAC65/245ME MAC50/245LE MAC43/245JE	2055	600	730	575	1740	870			155	φ22	φ35	2"
MAC127/245HE MAC87/245ME MAC65/245LE MAC57/245JE	2055	600	730	575	1740	870			155	φ22	φ42	2"
MAC143/345HE MAC98/345ME MAC74/345LE MAC64/345JE	2905	600	730	575	2590	870	850		155	φ28	φ42	2-1"
MAC191/345HE MAC131/345ME MAC98/345LE MAC85/345JE	2905	600	730	575	2590	870	850		155	φ28	φ42	2-1"
MAC191/445HE MAC131/445ME MAC98/445LE MAC85/445JE	3755	600	730	575	3440	870	850	850	155	φ28	φ42	2"
MAC254/445HE MAC174/445ME MAC131/445LE MAC113/445JE	3755	600	730	575	3440	870	850	850	155	φ28	φ54	2"
MAC206/255HE MAC141/255ME MAC106/255LE MAC92/255JE	2577	715	890	615	2240	1120	1120		166	φ28	φ54	2-1"

Model	Overallsize(mm)			Installation size(mm)						Pipe connection(mm)		drainage
	A	B	C	D	E	E1	E2	E3	F	In	Out	
MAC257/255HE MAC176/255ME MAC132/255LE MAC115/255JE	2577	715	890	615	2240	1120	1120		166	φ28	φ54	2-1"
MAC310/355HE MAC210/355ME MAC160/355LE MAC140/355JE	3677	715	890	615	3340	1120	1100		166	2-φ22	φ54	2-1"
MAC385/355HE MAC264/355ME MAC198/355LE MAC172/355JE	3677	715	890	615	3340	1120	1100		166	2-φ22	φ54	2-1"
MAC410/455HE MAC282/455ME MAC210/455LE MAC183/455JE	4777	715	890	615	4440	1120	1100	1100	166	2-φ28	2φ54	2-2"
MAC514/455HE MAC352/455ME MAC264/455LE MAC230/455JE	4777	715	890	615	4440	1120	1100	1100	166	2-p28	2-φ54	2-2"
MAC290/263HE MAC197/263ME MAC150/263LE MAC130/263JE	2577	775	1186	685	2240	1120	1120		166	φ28	φ54	2-1"
MAC360/263HE MAC240/263ME MAC185/263LE MAC160/263JE	2577	775	1186	685	2240	1120	1120		166	φ28	φ54	2-1"
MAC430/363HE MAC296/363ME MAC222/363LE MAC190/363JE	3677	775	1186	685	3340	1120	1100		166	φ35	φ54	2-1"
MAC540/363HE MAC370/363ME MAC277/363LE MAC240/363JE	3677	775	1186	685	3340	1120	1100		166	φ35	φ54	2-1"
MAC576/463HE MAC394/463ME MAC296/463LE MAC256/463JE	4777	775	1186	685	4440	1120	1100	1100	166	2φ28	2-φ54	2-2"
MAC720/463HE MAC493/463ME MAC370/463LE MAC320/463JE	4777	775	1186	685	4440	1120	1100	1100	166	2-p28	2454	2-2"