

MB/MW Cold Room Evaporators

Economical Box and Wedge Type Unit Coolers



Application

The MB model unit coolers, having the range 1.00 – 5.5 kW medium temperature, 1.00 - 5.8 kW low temperature. The MW model unit coolers, having the range 1.7 - 6.5 kW medium temperature, – 1.00 - 5.6 kW low temperature. Both units are able to satisfy small and medium cooling capacity needs for commercial cold storage.

Coil Properties

MB/MW model unit coolers are designed with optimum tube diameter for low gas charge tubes in order to increase efficiency. Maximum operation pressure is 25 barg.

Casework

It is manufactured with electrostatic Ral 9016 powder painted galvanized sheets to resist corrosion; it has attractive view in addition to its rigidity. Additionally, screwed side panels and hinged drain pan can be easily removed to facilitate installation and maintenance operations.

Fan

MB/MW unit coolers can be provided with single phase fans with Ø250 and Ø300 diameters. The fan protection class is IP44. The axial fans are compatible with ERP 2015 regulation.

Electrical Heater

High-quality electrical heaters are placed on the coil according to working and design conditions.



Box Type Unit Technical Information

Medium Temperature

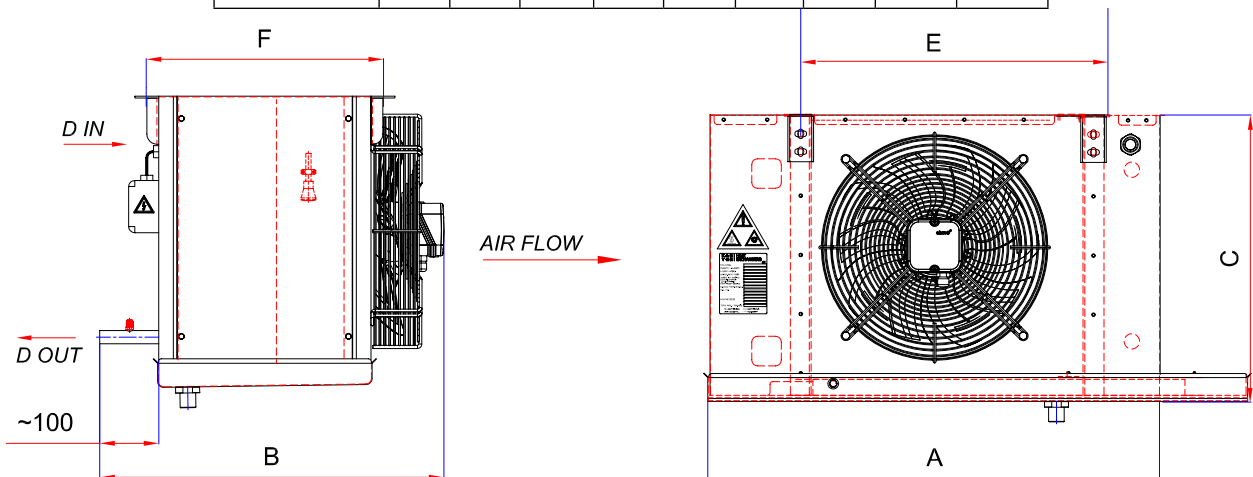
Model	Air side		Sound	Fan Data			Defrost Heaters			Coil Data				
	Evaporating @ -8°C (SC2)	Airflow	Air Throw	Sound Pressure Level	Power	No. Of Fans	Fan Diameter	Motor	Coil	Drip Tray	Total	Internal Volume	Inlet	Outlet
		m³/h	m	dB(A)3m	w	pcs	mm				kW	dm³	mm	
MBMT125A	1010	908	5.1	37	77	1	250	230/1/50	0.48	-	0.48	0.6	3/8"	3/8"
MBMT125B	1279	866	4.9	37	78	1	250	230/1/50	0.48	-	0.48	0.8	3/8"	1/2"
MBMT130B	1731	1272	6	41	113	1	300	230/1/50	0.48	-	0.48	1	3/8"	1/2"
MBMT130E	2491	1035	4.9	41	115	1	300	230/1/50	0.96	-	0.96	2.1	3/8"	5/8"
MBMT230B	3541	2543	6.6	44	225	2	300	230/1/50	0.97	-	0.97	2.1	3/8"	5/8"
MBMT230C	4242	2362	6.1	44	227	2	300	230/1/50	1.94	-	1.94	2.7	1/2"	3/4"
MBMT230E	4814	2071	5.4	43	230	2	300	230/1/50	1.94	-	1.94	4	3/8"	3/4"
MBMT230BE	5507	2289	5.9	43	228	2	300	230/1/50	2.14	-	2.14	4.9	1/2"	7/8"
MBMT430AE	9777	4142	5.9	46	459	4	300	230/1/50	3.52	-	3.52	8.2	5/8"	1-1/8"

Low Temperature

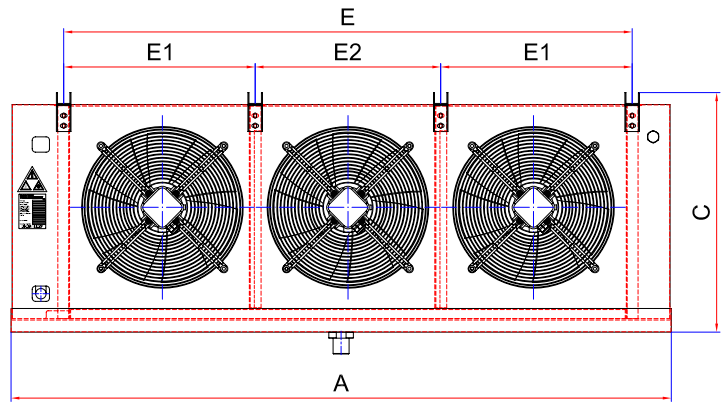
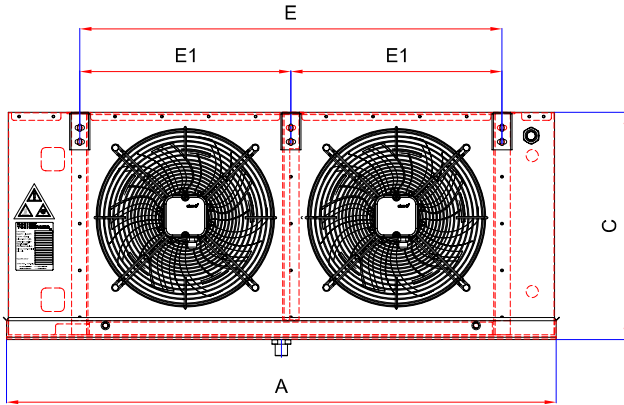
Model	Air side		Sound	Fan Data			Defrost Heaters			Coil Data				
	Evaporating @ -25°C (SC3)	Airflow	Air Throw	Sound Pressure Level	Power	No. Of Fans	Fan Diameter	Motor	Coil	Drip Tray	Total	Internal Volume	Inlet	Outlet
		m³/h	m	dB(A)3m	w	pcs	mm					dm³	mm	
MBLT130B	1099	1316	6.2	41	112	1	300	230/1/50	0.48	0.48	0.96	1	Ø9,52	Ø12,7
MBLT130C	1443	1239	5.8	41	113	1	300	230/1/50	0.96	0.48	1.44	1.4	Ø9,52	Ø12,7
MBLT130E	1776	1104	5.2	41	115	1	300	230/1/50	0.96	0.48	1.44	2.1	Ø9,52	Ø15,9
MBLT130BE	2099	1204	5.7	41	113	1	300	230/1/50	1.14	0.57	1.71	2.4	Ø9,52	Ø19
MBLT230C	2946	2478	6.4	43	226	2	300	230/1/50	1.94	0.97	2.91	2.7	Ø12,7	Ø19
MBLT230E	3790	2207	5.7	43	229	2	300	230/1/50	1.94	0.97	2.91	4	Ø12,7	Ø19
MBLT330C	4396	3716	6.7	45	338	3	300	230/1/50	2.8	1.4	4.2	4.1	Ø12,7	Ø22

Dimensions

Model	Unit Dimensions									
	Drain Size	A	B	C	E	E1	E2	F	Weight	
MBLT130B	R3/4"	727	520	426	455	-	-	345	18	
MBLT130C	R3/4"	727	520	426	455	-	-	345	19	
MBLT130E	R3/4"	727	520	426	455	-	-	345	20	
MBLT130BE	R3/4"	832	520	426	560	-	-	345	23	
MBLT230C	R3/4"	1147	520	426	875	438	-	345	29	
MBLT230E	R3/4"	1147	520	426	875	438	-	345	32	
MBLT330C	R3/4"	1567	520	426	1295	438	420	345	39	
MBLT330E	R3/4"	1567	520	426	1295	438	420	345	44	



Model	Unit Dimensions								
	Drain Size	A	B	C	E	E1	E2	F	Weight
									Kg
MBMT125A	R3/4"	727	520	363	455	-	-	345	15
MBMT125B	R3/4"	727	520	363	455	-	-	345	16
MBMT130B	R3/4"	727	520	426	455	-	-	345	18
MBMT130E	R3/4"	727	520	426	455	-	-	345	20
MBMT230B	R3/4"	1147	520	426	875	438	-	345	27
MBMT230C	R3/4"	1147	520	426	875	438	-	345	29
MBMT230E	R3/4"	1147	520	426	875	438	-	345	32
MBMT230BE	R3/4"	1357	520	426	1085	543	-	345	37
MBMT430AE	R3/4"	1987	520	426	1696	438	420	345	60



Wedge Type Unit Technical Information

Medium Temperature

Model	Air side			Sound	Fan Data					Defrost Heaters			Coil Data		
	Evaporating @ -8°C (SC2)	Airflow	Air Throw	Sound Pressure Level	Total Power	Total Current	No. Of Fans	Fan Diameter	Motor	Coil	Drip Tray	Total	Internal Volume	Inlet	Outlet
		m³/h	m	dB(A)3m	w	A	pcs	mm		kW			dm³	mm	
MWMT130B	1738	1394	8.1	43	66	0.29	1	300	230/1/50	0.96	-	0.96	0.9	3/8"	1/2"
MWMT130C	2051	1304	7.6	43	66	0.29	1	300	230/1/50	0.96	-	0.96	1.3	3/8"	1/2"
MWMT230B	3552	2789	11	46	131	0.58	2	300	230/1/50	1.92	-	1.92	2	3/8"	5/8"
MWMT230C	4378	2608	10.3	46	132	0.58	2	300	230/1/50	1.92	-	1.92	2.6	3/8"	3/4"
MWMT230E	5175	2347	9.2	47	135	0.59	2	300	230/1/50	1.92	-	1.92	3.9	3/8"	3/4"
MWMT330C	6563	3912	12.9	47	198	0.87	3	300	230/1/50	2.88	-	2.88	3.5	1/2"	7/8"

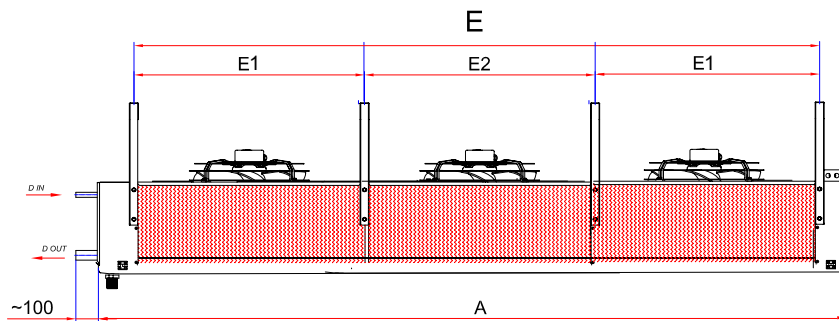
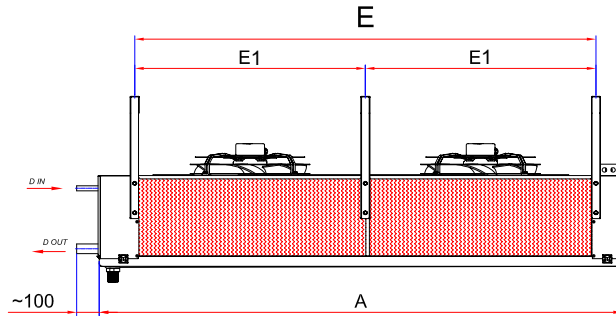
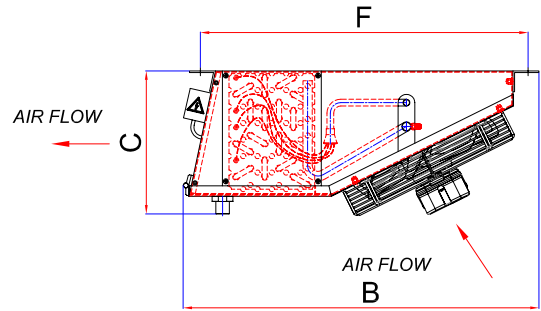
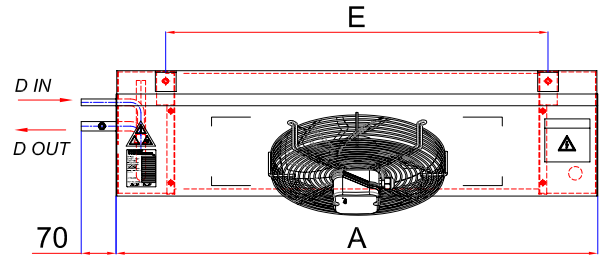
Low Temperature

Model	Air side			Sound	Fan Data					Defrost Heaters			Coil Data		
	Evaporating @ -25°C (SC3)	Airflow	Air Throw	Sound Pressure Level	Total Power	Total Current	No. Of Fans	Fan Diameter	Motor	Coil	Drip Tray	Total	Internal Volume	Inlet	Outlet
		m³/h	m	dB(A)3m	w	A	pcs	mm		kW			dm³	mm	
MWLT130B	1012	1459	8.5	43	65	0.29	1	300	230/1/50	0.96	0.48	1.44	0.9	3/8"	1/2"
MWLT130C	1396	1384	8.1	43	66	0.29	1	300	230/1/50	0.96	0.48	1.44	1.3	3/8"	1/2"
MWLT130E	1751	1256	7.3	43	67	0.29	1	300	230/1/50	0.96	0.48	1.44	2	3/8"	5/8"
MWLT230B	2228	2919	11.5	46	129	0.58	2	300	230/1/50	1.92	0.96	2.88	1.8	3/8"	5/8"
MWLT230C	2704	2767	10.9	46	131	0.58	2	300	230/1/50	1.92	0.96	2.88	2.3	3/8"	3/4"
MWLT230E	3645	2512	9.9	46	133	0.58	2	300	230/1/50	1.92	0.96	2.88	3.9	3/8"	3/4"
MWLT330C	4305	4151	13.7	48	196	0.87	3	300	230/1/50	2.88	1.44	4.32	3.9	1/2"	3/4"
MWLT330E	5657	3768	12.5	48	200	0.87	3	300	230/1/50	2.88	1.44	4.32	5.5	5/8"	7/8"

Dimensions

Model	Drain size	A	B	C	E	E1	E2	F	Weight
		mm							
	MWMT130B	R3/4"	780	685	370	515	-	-	630
MWMT130C	R3/4"	780	685	370	515	-	-	630	19
MWMT230B	R3/4"	1260	685	370	995	498	-	630	30
MWMT230C	R3/4"	1260	685	370	995	498	-	630	31
MWMT230E	R3/4"	1260	685	370	995	498	-	630	34
MWMT330C	R3/4"	1740	685	370	1475	498	480	630	43

Model	Unit Dimensions								
	Drain size	A	B	C	E	E1	E2	F	Weight
		mm							
MWLT130B	R3/4"	780	685	370	515	-	-	630	19
MWLT130C	R3/4"	780	685	370	515	-	-	630	19
MWLT130E	R3/4"	780	685	370	515	-	-	630	21
MWLT230B	R3/4"	1260	685	370	995	498	-	630	30
MWLT230C	R3/4"	1260	685	370	995	498	-	630	32
MWLT230E	R3/4"	1260	685	370	995	498	-	630	34
MWLT330C	R1/2"	1740	685	370	1475	498	480	630	44
MWLT330E	R3/4"	1740	685	370	1475	498	480	630	47



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TEV has earned management system accreditations – BSI 14001: 2015 Environmental Management and BSI 9001: 2015 Quality Management.



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