

STANDARD EVAPORATORS





CHARACTERISTICS OF CASING

The cassetting has an esthetic structure that has a protection against oxidation and it is manufactured by lasting electrostatic powder paint with hot-dip galvanized steel. In all types of models there are some standard equipments and functions such as hinged drain pan that are easily close and open for assembly and service, easily removed side covers and special hangers for easy installations. Stainless cassetings can be done optionally.

CHARACTERISTICS OF HEATERS

E1 type heaters are used for the range of 0°C and +5°C. Heaters are only mounted on the body of the cooling coil. E2 heaters can be used for the degrees below 0. Heaters are mounted on the body of the cooling coil and drain pan.

E1 THE TYPES OF HEATERS : Only body electric defrost

- E2 : Body + drain tray electric defrost
- E3 : Body + drain tray+fan electric defrost
- HGD1 : Only body hot gas defrost.
- HGD : Body + drain pan hot gas defrost
- 2WD : Only body water defrost

CHARACTERISTICS OF CASING

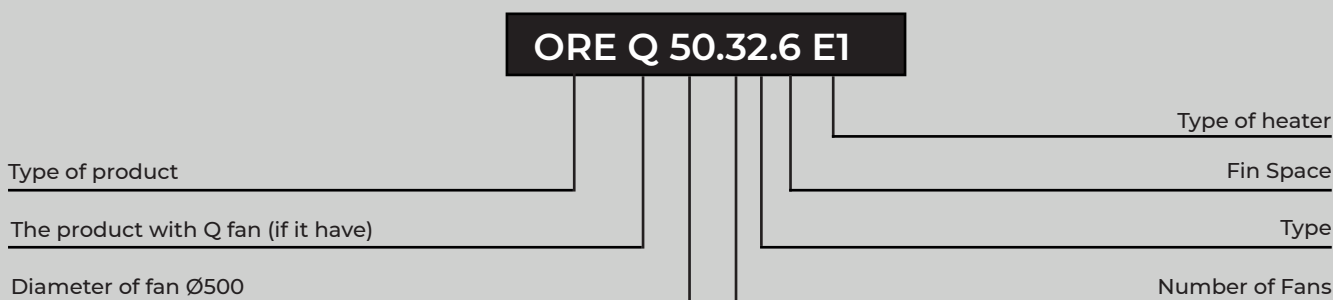
Axial fans are used in our standard evaporators. All fans which are manufactured by single-phase and three-phase have suitable protections of the safety standards. Electrical features are 230V 50 Hz 1400rpm. IP44 and IP54 fan motors are protected and have B and F insulation class.

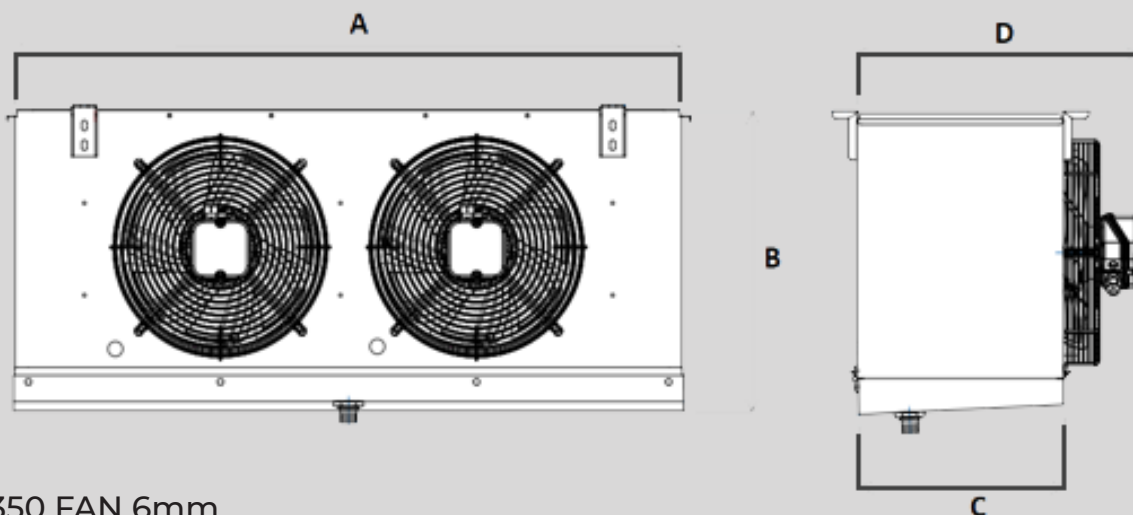
Our cold room evaporators which are capable to provide small and middle ranges of cooling capacities are able to respond the demands of commercial refrigerations. They contain a wide capacity range from 0,6 kW to 87 kW. (These capacity ranges are given for R404A refrigerant type.)

SPECIFICATIONS

- High efficient aluminium fins
 - 4-6-8-10 mm fin spacings
 - The copper tubes in 3/8"-1/2"-5/8" in diameters
 - Working capability with 404A, R 507A ve R 134A gases
 - High pressured test in 35 bar
 - High operating pressure till to 20 bar
 - Sending by positive pressure pressing with nitrogen
- They might be covered optionally with epoxy cover aluminium fin

IDENTIFICATION OF MODELS





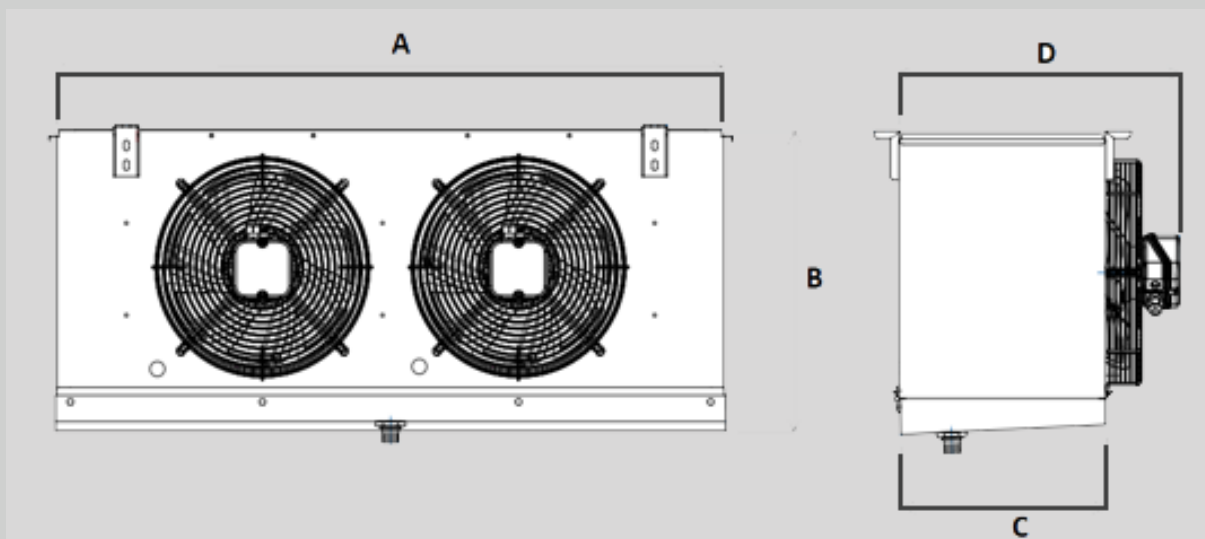
Ø300-350 FAN 6mm

Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions				Electric Defrost		
			Cold Room		Deep Freezer					A	B	C	D	E1	E2	
			SC1 Tev=0°C ΔT=10°C	SC2 Tev=-8°C ΔT=8°C	SC3 Tev=-25°C ΔT=7°C	SC4 Tev=-31°C ΔT=6°C			Diameter					Coil	Coil	Drain Tray
		m²	W	W	W	W	m³/h	dm³	mm	mm	mm	mm	mm	W	W	W
1xFan	ORE 30.11.6	7,39	2.389	1.694	1.263	1.003	1.480	1,99	300	755	465	310	430	3x250	3x250	2x250
	ORE 30.12.6	11,08	3.240	2.198	1.507	1.187	1.340	2,99	300	755	465	375	495	5x250	5x250	2x250
	ORE 35.11.6	8,87	3.519	2.668	1.815	1.400	2.525	2,39	350	855	545	310	430	4x250	4x250	2x250
	ORE 35.12.6	13,30	4.599	3.580	2.618	2.090	2.310	3,59	350	855	545	375	495	5x250	5x250	2x250
2xFan	ORE 30.21.6	14,78	4.825	3.425	2.578	2.064	2.960	3,99	300	1.155	465	310	430	3x450	3x450	2x450
	ORE 30.22.6	22,17	6.621	4.499	3.131	2.488	2.680	5,98	300	1.155	465	375	495	5x450	5x450	2x450
	ORE 35.21.6	17,74	7.183	5.467	3.780	2.934	5.050	4,79	350	1.355	545	310	430	4x500	4x500	2x500
	ORE 35.22.6	26,60	9.456	7.234	5.034	3.940	4.620	7,18	350	1.355	545	375	495	5x500	5x500	2x500
3xFan	ORE 30.31.6	22,17	7.423	5.208	3.626	3.136	4.440	5,98	300	1.555	465	310	430	3x650	3x650	2x650
	ORE 30.32.6	33,25	10.006	6.797	4.761	3.782	4.020	8,97	300	1.555	465	375	495	5x650	5x650	2x650
	ORE 35.31.6	26,60	10.850	8.272	5.752	4.475	7.575	7,18	350	1.855	545	310	430	4x750	4x750	2x750
	ORE 35.32.6	39,90	14.203	10.784	7.330	5.688	6.930	10,77	350	1.855	545	375	495	5x750	5x750	2x750
4xFan	ORE 30.41.6	29,56	9.978	7.031	5.054	3.990	5.920	7,98	300	1.955	465	310	430	3x850	3x850	2x850
	ORE 30.42.6	44,34	11.689	8.898	6.656	5.353	5.360	11,96	300	1.955	465	375	495	5x850	5x850	2x850
	ORE 35.41.6	35,47	14.518	11.077	7.726	6.018	10.100	9,57	350	2.355	545	310	430	4x1000	4x1000	2x1000
	ORE 35.42.6	53,21	19.082	14.622	10.255	8.053	9.240	14,36	350	2.355	545	375	495	5x1000	5x1000	2x1000

STANDARD EVAPORATORS

Ø300-350 FAN 8mm

Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions				Electric Defrost		
			Cold Room		Deep Freezer					A	B	C	D	E1		E2
			SC1 Tev=0°C ΔT=10°C	SC2 Tev=-8°C ΔT=8°C	SC3 Tev=-25°C ΔT=7°C	SC4 Tev=-31°C ΔT=6°C			Diameter					Coil	Coil	Drain Tray
		m²	W	W	W	W	m³/h	dm³	mm	mm	mm	mm	mm	W	W	W
1xFan	ORE 30.11.8	5,66	1.798	1.461	1.003	850	1.525	1,99	300	755	465	310	430	3x250	3x250	2x250
	ORE 30.21.8	8,49	2.580	1.971	1.377	1.088	1.400	2,99	300	755	465	375	495	5x250	5x250	2x250
	ORE 35.11.8	6,79	2.976	2.343	1.631	1.288	2.600	2,39	350	855	545	310	430	4x250	4x250	2x250
	ORE 35.12.8	10,19	4.054	3.159	2.353	1.829	2.400	3,59	350	855	545	375	495	5x250	5x250	2x250
2xFan	ORE 30.21.8	11,32	3.619	2.947	2.246	1.742	3.050	3,99	300	1.155	465	310	430	3x450	3x450	2x450
	ORE 30.22.8	16,98	5.241	4.017	2.845	2.262	2.800	5,98	300	1.155	465	375	495	5x450	5x450	2x450
	ORE 35.21.8	13,58	6.054	4.781	3.374	2.641	5.200	4,79	350	1.355	545	310	430	4x500	4x500	2x500
	ORE 35.22.8	20,38	8.401	6.443	4.566	3.628	4.800	7,18	350	1.355	545	375	495	5x500	5x500	2x500
3xFan	ORE 30.31.8	16,98	5.906	4.551	3.230	2.657	4.575	5,98	300	1.555	465	310	430	3x650	3x650	2x650
	ORE 30.32.8	25,47	7.905	6.065	4.318	3.440	4.200	8,97	300	1.555	465	375	495	5x650	5x650	2x650
	ORE 35.31.8	20,38	9.134	7.221	5.122	4.018	7.800	7,18	350	1.855	545	310	430	4x750	4x750	2x750
	ORE 35.32.8	30,56	12.670	9.351	6.697	5.233	7.200	10,77	350	1.855	545	375	495	5x750	5x750	2x750
4xFan	ORE 30.41.8	22,64	7.739	6.100	4.451	3.581	6.100	7,98	300	1.955	465	310	430	3x850	3x850	2x850
	ORE 30.42.8	33,96	10.334	8.095	5.982	4.718	5.600	11,96	300	1.955	465	375	495	5x850	5x850	2x850
	ORE 35.41.8	27,17	12.215	9.661	6.872	5.396	10.400	9,57	350	2.355	545	310	430	4x1000	4x1000	2x1000
	ORE 35.42.8	40,75	16.926	13.001	9.278	7.390	9.600	14,36	350	2.355	545	375	495	5x1000	5x1000	2x1000



Ø400-450-500 FAN 8mm

Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions				Electric Defrost		
			Cold Room		Deep Freezer					A	B	C	D	E1	E2	
			SC1 Tev=0°C ΔT=10°C	SC2 Tev=-8°C ΔT=8°C	SC3 Tev=-25°C ΔT=7°C	SC4 Tev=-31°C ΔT=6°C			Diameter					Coil	Coil	Drain Tray
		m²	W	W	W	W	m³/h	dm³	mm	mm	mm	mm	mm	W	W	W
1xFan	ORE 40.11.8	12,88	4.296	3.478	2.587	2.061	3.690	4,54	400	955	635	375	515	4x350	4x350	2x350
	ORE 40.12.8	16,10	5.400	4.117	2.961	2.352	3.560	5,67	400	955	635	415	555	5x350	5x350	2x350
	ORE 40.13.8	19,31	6.139	4.664	3.200	2.522	3.430	6,80	400	955	635	415	555	5x350	5x350	2x350
	ORE 45.11.8	12,88	4.748	3.857	2.843	2.274	4.765	4,54	450	1.055	635	375	515	5x350	5x350	2x350
	ORE 45.12.8	19,31	6.730	5.100	3.461	2.674	4.370	6,80	450	1.055	635	415	555	7x350	7x350	2x350
	ORE 50.11.8	26,60	9.437	5.388	4.085	3.174	6.743	9,30	500	1.205	715	415	555	8x450	8x450	2x450
	ORE 50.12.8	35,50	11.442	6.364	4.947	3.897	6.255	12,40	500	1.205	715	515	655	10x450	10x450	2x450
	ORE 50.12.8	35,50	11.442	6.364	4.947	3.897	6.255	12,40	500	1.205	715	515	655	10x450	10x450	2x450
2xFan	ORE 40.21.8	25,75	9.104	7.091	5.035	3.957	7.380	9,07	400	1.505	635	375	515	4x700	4x700	2x700
	ORE 40.22.8	32,19	10.926	8.422	6.070	4.848	7.120	11,34	400	1.505	635	415	555	5x700	5x700	2x700
	ORE 40.23.8	38,63	12.413	9.596	6.983	5.596	6.860	13,61	400	1.505	635	415	555	5x700	5x700	2x700
	ORE 45.21.8	25,75	9.822	7.800	5.487	4.283	9.530	9,07	450	1.705	635	375	515	5x700	5x700	2x700
	ORE 45.22.8	38,63	13.700	10.565	7.661	6.117	8.740	13,61	450	1.705	635	415	555	7x700	7x700	2x700
	ORE 50.21.8	53,20	20.596	14.035	11.035	8.918	13.471	18,60	500	2.005	715	415	555	8x850	8x850	2x850
	ORE 50.22.8	71,00	25.019	17.094	13.371	10.724	12.494	24,80	500	2.005	715	515	655	10x850	10x850	2x850
3xFan	ORE 40.31.8	35,66	12.217	9.757	6.978	5.217	11.090	12,76	400	2.055	635	375	515	4x1000	4x1000	2x1000
	ORE 40.32.8	44,57	15.122	11.583	8.230	6.191	10.700	15,95	400	2.055	635	415	555	5x1000	5x1000	2x1000
	ORE 40.33.8	53,49	16.848	13.126	9.152	7.017	10.360	19,14	400	2.055	635	415	555	5x1000	5x1000	2x1000
	ORE 45.31.8	38,63	14.722	11.800	8.761	6.722	14.295	13,83	450	2.355	635	375	515	5x1000	5x1000	2x1000
	ORE 45.32.8	57,94	20.652	15.878	11.348	8.909	13.110	20,74	450	2.355	635	415	555	7x1000	7x1000	2x1000
	ORE 50.31.8	79,80	30.598	20.723	16.411	13.198	20.207	27,90	500	2.805	715	415	555	8x1250	8x1250	2x1250
	ORE 50.32.8	106,40	37.148	24.823	18.618	14.778	18.741	37,20	500	2.805	715	515	655	10x1250	10x1250	2x1250
4xFan	ORE 40.41.8	45,56	15.957	12.374	8.457	6.396	14.630	16,31	400	2.605	635	375	515	4x1250	4x1250	2x1250
	ORE 40.42.8	56,95	19.504	14.752	10.109	7.643	14.100	20,38	400	2.605	635	415	555	5x1250	5x1250	2x1250
	ORE 40.43.8	68,34	22.370	17.113	12.052	9.052	13.620	24,46	400	2.605	635	415	555	5x1250	5x1250	2x1250
	ORE 45.41.8	47,54	17.261	13.752	10.048	7.600	18.580	17,02	450	3.005	635	375	515	5x1250	5x1250	2x1250
	ORE 45.42.8	71,31	25.330	19.191	13.343	10.157	17.210	25,53	450	3.005	635	415	555	7x1250	7x1250	2x1250
	ORE 50.41.8	99,80	39.483	26.765	21.269	17.035	26.227	34,90	500	3.405	715	415	555	8x1650	8x1650	2x1650
	ORE 50.42.8	133,10	47.820	32.513	25.554	20.398	24.194	46,50	500	3.405	715	515	655	10x1650	10x1650	2x1650
5xFan	ORE 50.51.8	136,00	52.004	35.215	27.940	22.340	32.864	46,50	500	4.405	715	415	555	8x2050	8x2050	2x2050
	ORE 50.52.8	177,40	61.449	42.688	32.742	27.018	31.553	62,00	500	4.405	715	515	655	10x2050	10x2050	2x2050

STANDARD EVAPORATORS

Ø400-450-500 FAN 6mm

Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions				Electric Defrost		
			Cold Room		Deep Freezer					Diameter	A	B	C	D	E1	E2
			SC1 Tev=0°C ΔT=10°C	SC2 Tev=-8°C ΔT=8°C	SC3 Tev=-25°C ΔT=7°C	SC4 Tev=-31°C ΔT=6°C			Coil						Coil	Drain Tray
		m²	W	W	W	W	m³/h	dm³	mm	mm	mm	mm	mm	W	W	W
1xFan	ORE 40.11.6	16,81	5.109	4.035	2.965	2.374	3.680	4,54	400	955	635	375	515	4x350	4x350	2x350
	ORE 40.12.6	21,01	6.161	4.726	3.309	2.591	3.560	5,67	400	955	635	415	555	5x350	5x350	2x350
	ORE 40.13.6	25,22	6.887	5.213	3.500	2.704	3.435	6,80	400	955	635	415	555	5x350	5x350	2x350
	ORE 45.11.6	16,81	5.491	4.422	3.239	2.539	4.630	4,54	450	1.055	635	375	515	5x350	5x350	2x350
	ORE 45.12.6	25,22	7.509	5.648	3.726	2.865	4.215	6,80	450	1.055	635	415	555	7x350	7x350	2x350
	ORE 50.11.6	35,50	10.917	6.526	4.970	3.873	6.358	9,30	500	1.205	715	415	555	8x450	8x450	2x450
	ORE 50.12.6	47,30	13.001	7.529	5.885	4.667	5.798	12,40	500	1.205	715	515	655	10x450	10x450	2x450
2xFan	ORE 40.21.6	33,62	10.652	8.143	5.674	4.443	7.360	9,07	400	1.505	635	375	515	4x700	4x700	2x700
	ORE 40.22.6	42,03	12.500	9.622	6.826	5.370	7.120	11,34	400	1.505	635	415	555	5x700	5x700	2x700
	ORE 40.23.6	50,44	14.100	10.017	7.809	6.243	6.870	13,61	400	1.505	635	415	555	5x700	5x700	2x700
	ORE 45.21.6	33,62	11.352	8.900	6.135	4.752	9.260	9,07	450	1.705	635	375	515	5x700	5x700	2x700
	ORE 45.22.6	50,44	15.561	11.978	8.500	6.704	8.430	13,61	450	1.705	635	415	555	7x700	7x700	2x700
	ORE 50.21.6	71,00	23.270	15.921	12.376	10.331	12.605	18,60	500	2.005	715	415	555	8x850	8x850	2x850
	ORE 50.22.6	94,60	27.829	19.098	14.900	12.252	11.485	24,80	500	2.005	715	515	655	10x850	10x850	2x850
3xFan	ORE 40.31.6	46,56	14.396	11.200	7.939	6.022	10.840	12,76	400	2.055	635	375	515	4x1000	4x1000	2x1000
	ORE 40.32.6	58,19	17.174	13.191	9.365	7.009	10.420	15,95	400	2.055	635	415	555	5x1000	5x1000	2x1000
	ORE 40.33.6	69,83	19.130	14.843	10.496	8.000	10.040	19,14	400	2.055	635	415	555	5x1000	5x1000	2x1000
	ORE 45.31.6	50,44	16.961	13.548	10.122	7.530	13.890	13,83	450	2.355	635	375	515	5x1000	5x1000	2x1000
	ORE 45.32.6	75,65	23.374	17.922	12.522	9.857	12.645	20,74	450	2.355	635	415	555	7x1000	7x1000	2x1000
	ORE 50.31.6	106,40	34.704	23.601	18.506	15.459	18.908	27,90	500	2.805	715	415	555	8x1250	8x1250	2x1250
	ORE 50.32.6	141,90	41.823	28.088	21.657	17.253	17.264	37,20	500	2.805	715	515	655	10x1250	10x1250	2x1250
4xFan	ORE 40.41.6	59,49	18.622	13.970	9.235	7.070	14.280	16,31	400	2.605	635	375	515	4x1250	4x1250	2x1250
	ORE 40.42.6	74,36	21.943	16.548	10.096	8.409	13.700	20,38	400	2.605	635	415	555	5x1250	5x1250	2x1250
	ORE 40.43.6	89,23	24.739	19.222	13.422	10.074	13.170	24,46	400	2.605	635	415	555	5x1250	5x1250	2x1250
	ORE 45.41.6	62,07	19.983	16.296	11.952	8.913	18.020	17,02	450	3.005	635	375	515	5x1250	5x1250	2x1250
	ORE 45.42.6	93,11	28.422	21.578	14.687	11.374	16.480	25,53	450	3.005	635	415	555	7x1250	7x1250	2x1250
	ORE 50.41.6	133,10	44.799	30.488	24.189	19.970	23.590	34,90	500	3.405	715	415	555	8x1650	8x1650	2x1650
	ORE 50.42.6	177,40	53.358	36.446	28.732	22.144	23.352	46,50	500	3.405	715	515	655	10x1650	10x1650	2x1650
5xFan	ORE 50.51.6	177,00	59.095	40.166	31.828	26.228	31.513	46,50	500	4.405	715	415	555	8x2050	8x2050	2x2050
	ORE 50.52.6	236,00	68.159	44.814	33.384	26.455	28.812	62,00	500	4.405	715	515	655	10x2050	10x2050	2x2050