

TWIN FLOW 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.

THE TYPES OF HEATERS:

E2	: Only body electric defrost
E3	: Body + drain tray electric defrost
HGDI	: Body + drain tray+fan electric defrost
HGD	: Only body hot gas defrost.
2WD	: Body + Drain pan hot gas 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

ORED 30.32.6 E1

Type of product

Diameter of fan Ø300

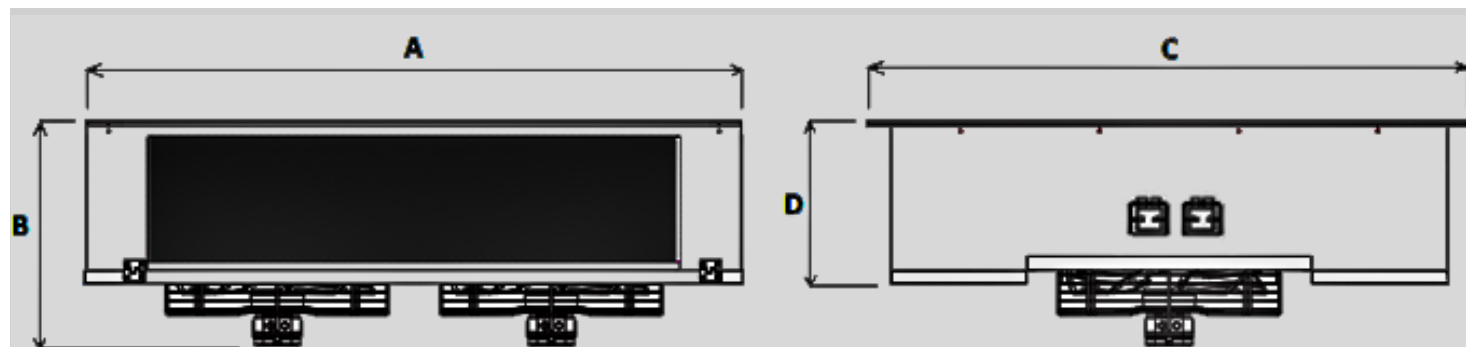
Number of fans

Type of heater

Fin Space

Type





Ø300-350-400 FAN 4mm

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	ORED 30.11.4	10,64	2.143	1.722	-	-	1.450	1,99	300	655	385	850	285	6x150	-	-
	ORED 30.12.4	15,96	3.148	2.509	-	-	1.290	2,99	300	655	385	1.000	285	6x250	-	-
	ORED 35.11.4	15,96	3.900	3.161	-	-	2.480	2,99	350	755	425	900	325	6x250	-	-
	ORED 35.12.4	23,94	5.365	4.161	-	-	2.225	4,49	350	755	425	1.050	325	8x250	-	-
2xFan	ORED 30.21.4	21,28	5.291	4.161	-	-	2.900	3,99	300	1.055	385	850	285	6x450	-	-
	ORED 30.22.4	31,92	6.726	5.200	-	-	2.580	5,98	300	1.055	385	1.000	285	8x450	-	-
	ORED 35.21.4	31,92	8.504	6.465	-	-	4.960	5,98	350	1.255	425	900	325	8x500	-	-
	ORED 35.22.4	47,88	10.848	8.448	-	-	4.450	8,97	350	1.255	425	1.050	325	8x500	-	-
	ORED 40.21.4	41,50	11.239	8.843	-	-	6.780	7,78	400	1.555	445	1.050	325	6x700	-	-
	ORED 40.22.4	62,24	14.326	11.283	-	-	6.140	11,67	400	1.555	445	1.200	325	8x700	-	-
	ORED 45.21.4	75,70	18.339	12.346	-	-	7.230	13,20	450	1.655	445	1.350	325	8x780	-	-
3xFan	ORED 30.31.4	31,92	7.561	6.157	-	-	4.350	5,98	300	1.455	385	850	285	6x650	-	-
	ORED 35.32.4	47,88	12.904	10.074	-	-	7.440	8,97	350	1.755	425	900	325	6x750	-	-
	ORED 35.31.4	71,82	16.335	12.735	-	-	6.675	13,46	350	1.755	425	1.050	325	8x750	-	-
	ORED 40.32.4	57,46	15.722	12.383	-	-	10.170	10,77	400	2.055	445	1.050	325	6x1000	-	-
	ORED 40.31.4	110,12	18.952	15.217	-	-	9.210	20,64	400	2.055	445	1.200	325	8x1000	-	-
	ORED 45.32.4	113,50	26.667	18.507	-	-	10.810	19,80	450	2.305	445	1.350	325	8x1100	-	-
4xFan	ORED 40.31.4	73,42	17.761	15.974	-	-	13.560	13,76	400	2.555	445	1.050	325	6x1250	-	-
	ORED 40.32.4	110,12	25.722	20.274	-	-	12.280	20,64	400	2.555	445	1.200	325	8x1250	-	-
	ORED 45.41.4	151,40	36.307	24.199	-	-	14.480	26,50	450	2.955	445	1.350	325	8x1300	-	-

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Ø300-350-400 FAN 6mm

Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions				Electric Defrost		
			Cold Room		Deep Freezer					Diameter	A	B	C	D	E1	
			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	ORED 30.11.6	7,39	1.561	1.196	1.026	826	1.520	1,99	300	655	385	850	285	6x150	6x150	2x150
	ORED 30.12.6	11,08	2.661	2.061	1.539	1.217	1.380	2,99	300	655	385	1.000	285	6x250	6x250	2x250
	ORED 35.11.6	11,08	3.122	2.587	1.987	1.539	2.600	2,99	350	755	425	900	325	6x250	6x250	2x250
	ORED 35.12.6	16,63	4.596	3.578	2.617	2.091	2.375	4,49	350	755	425	1.050	325	8x250	8x250	2x250
2xFan	ORED 30.21.6	14,78	4.278	3.426	2.578	2.065	3.040	3,99	300	1.055	385	850	285	6x450	6x450	2x450
	ORED 30.22.6	22,17	5.874	4.496	3.130	2.483	2.760	5,98	300	1.055	385	1.000	285	8x450	8x450	2x450
	ORED 35.21.6	22,17	7.183	5.465	3.778	2.935	5.200	5,98	350	1.255	425	900	325	6x500	6x500	2x500
	ORED 35.22.6	33,25	9.274	7.235	5.339	4.296	4.750	8,97	350	1.255	425	1.050	325	8x500	8x500	2x500
	ORED 40.21.6	28,82	8.813	7.213	5.504	4.426	7.060	7,78	400	1.555	445	1.050	325	6x700	6x700	2x700
	ORED 40.22.6	43,23	12.091	9.530	7.248	5.739	6.500	11,67	400	1.555	445	1.200	325	8x700	8x700	2x700
3xFan	ORED 45.21.6	50,50	15.562	10.393	8.036	6.336	7.865	13,20	450	1.655	445	1.350	325	8x780	8x780	2x780
	ORED 30.31.6	22,17	6.804	5.209	3.626	2.826	4.560	5,98	300	1.455	385	850	285	6x650	6x650	2x650
	ORED 35.32.6	33,25	10.326	8.300	6.157	4.939	7.800	8,97	350	1.755	425	900	325	6x750	6x750	2x750
	ORED 35.33.6	49,88	13.952	10.891	8.065	6.491	7.135	13,46	350	1.755	425	1.050	325	8x750	8x750	2x750
	ORED 40.31.6	39,90	12.322	10.087	7.687	6.209	10.590	10,77	400	2.055	445	1.050	325	6x1000	6x1000	2x1000
	ORED 40.32.6	59,90	15.883	12.561	9.461	7.465	9.750	20,64	400	2.055	445	1.200	325	8x1000	8x1000	2x1000
4xFan	ORED 45.31.6	75,70	23.317	16.063	12.384	10.358	11.750	19,80	450	2.305	445	1.350	325	8x1100	8x1100	2x1100
	ORED 40.41.6	50,99	14.266	13.257	9.757	7.552	14.120	13,76	400	2.555	445	1.050	325	6x1250	6x1250	2x1250
	ORED 40.42.6	76,48	21.696	17.109	13.048	10.357	13.000	20,64	400	2.555	445	1.200	325	8x1250	8x1250	2x1250
	ORED 45.41.6	100,90	30.544	20.136	14.969	11.764	15.755	26,50	450	2.955	445	1.350	325	8x1300	8x1300	2x1300