

BLAST FREEZER 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 cassettings 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 : Body + drain tray electric defrost
E3 : Body + drain tray+fan electric defrost

CHARACTERISTICS OF CASING

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

Our blast freezer which are capable to provide wide ranges of cooling capacities are able to respond the demands of industrial refrigerations. They contain a wide capacity range from 6,3 kW to 57,3 kW. (These capacity ranges are given for R404A refrigerant type.)

SPECIFICATIONS

- High Efficient Aluminium Fins
- 4-6-8mm fin spacings
- The copper tubes in 1/2" 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

ORBF-T 63.22 E1

Type of product

Type of ceiling (if it have)

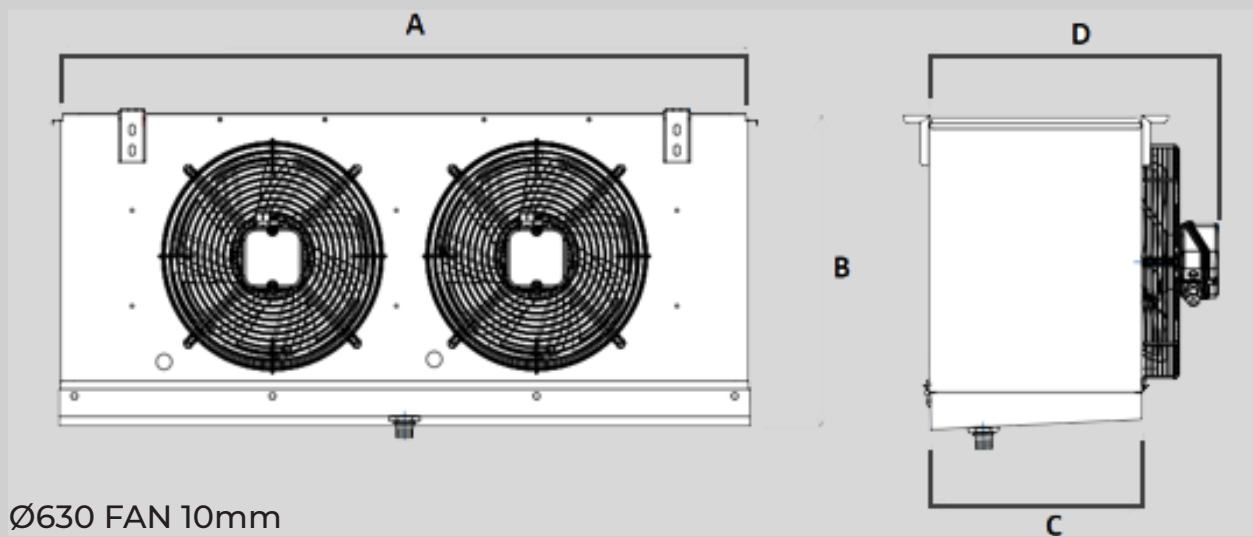
Diameter of fan Ø500

Type of heater

Type

Number of fans





Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions				Electric Defrost		
			-	-	-	SC5 -35/40 °C			Diameter	A	B	C	D	E1	E2	
			W	W	W	W				mm	mm	mm	mm	Coil	Coil	Drain Tray
		m²	W	W	W	W	m³/h	dm³	mm	mm	mm	mm	mm	W	W	W
1x Fan	ORBF-T 63.11.10	41,92	-	-	-	6.300	8.870	17,96	630	1.440	1.060	600	740	8x750	8x750	2x750
	ORBF-T 63.12.10	55,89	-	-	-	7.400	8.380	23,94	630	1.440	1.060	700	840	10x750	10x750	2x750
2x Fan	ORBF-T 63.21.10	83,84	-	-	-	14.000	17.740	35,91	630	2.440	1.060	600	740	8x1250	8x1250	2x1250
	ORBF-T 63.22.10	111,18	-	-	-	17.000	16.760	47,88	630	2.440	1.060	700	840	10x1250	10x1250	2x1250
3x Fan	ORBF-T 63.31.10	125,80	-	-	-	20.250	26.600	53,87	630	3.440	1.060	600	740	8x1650	8x1650	2x1650
	ORBF-T 63.32.10	167,70	-	-	-	23.500	25.140	71,82	630	3.440	1.060	700	840	10x1650	10x1650	2x1650
4x Fan	ORBF-T 63.41.10	167,70	-	-	-	27.500	35.490	71,82	630	4.440	1.060	600	740	8x2250	8x2250	2x2250
	ORBF-T 63.42.10	223,60	-	-	-	31.500	33.520	95,76	630	4.440	1.060	700	840	10x2250	10x2250	2x2250

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Ø630 FAN 10mm

Fan	Model	Surface	Capacity				Airflow	Tube Volume	Fans	Dimensions					Electric Defrost		
			-	-	-	SC5 -35/40 °C				Diameter	A	B	C	D	E1	E2	
															Coil	Coil	Drain Tray
		m²	W	W	W	W	m³/h	dm³	mm	mm	mm	mm	mm	mm	W	W	W
2xFan	ORBF 63.21.10	79,80	24.771	19.146	14.975	11.177	12.600	34,90	630	1.500	2.200	760	900		8x750	8x750	2x750
	ORBF 63.22.10	106,40	30.369	22.637	17.781	13.427	14.800	46,50	630	1.500	2.200	760	900		10x750	10x750	2x750
4xFan	ORBF 63.41.10	159,70	50.345	39.554	31.112	23.248	28.000	69,80	630	2.500	2.200	760	900		8x1250	8x1250	2x1250
	ORBF 63.42.10	212,90	62.781	48.531	38.512	29.106	34.000	93,00	630	2.500	2.200	760	900		10x1250	10x1250	2x1250
6xFan	ORBF 63.61.10	239,50	76.221	60.451	47.540	35.620	40.500	104,70	630	3.500	2.200	760	900		8x1650	8x1650	2x1650
	ORBF 63.62.10	319,30	94.891	73.732	58.637	44.421	47.000	139,60	630	3.500	2.200	760	900		10x1650	10x1650	2x1650
8xFan	ORBF 63.81.10	319,40	101.994	81.134	64.144	47.922	55.000	139,60	630	4.500	2.200	760	900		8x2250	8x2250	2x2250
	ORBF 63.82.10	425,80	126.747	99.224	78.770	59.505	63.000	186,00	630	4.500	2.200	760	900		10x2250	10x2250	2x2250