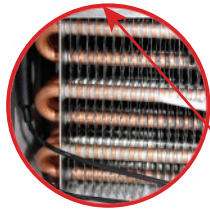
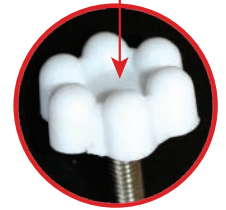


SERIE OEJ EVAPORATORS



Excellent heat exchanger design

Cooper tubes in line, excellent design for pipes & heater rods position, to reach a higher efficiency.

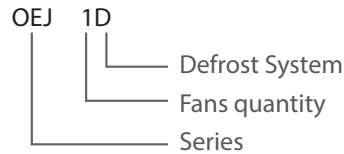


Thumbscrews

Thumbscrews for easy maintenance, do not need any tools to adjust.



Model classification:



General features:

The high efficient coils are made from high quality copper tube Ø9.52 mm and special profile aluminium fins. Heat exchangers are supplied clean and tested under a pressure of 30 bars.

- **The casing:**
White powder coated aluminium, high corrosion strength, impact resistance, and does not produce polluting debris.
- **The fan motors:**
All with high quality shaded-pole fan motors with high safety standards fitted well to the unit casing with an anti-vibration system.
- **Defrost heating:**
Provided by Zoppas stainless steel heater elements.
- **Electrical parts and wiring:**
Are connected to a ground terminal, carried out in junction box with access holes equipped with water-proof cable glands. All materials are selected carefully for long-term reliability.

General information

Fin spacing: 6 mm / With heater: $R_t \geq -18^\circ\text{C} / -0.4^\circ\text{F}$

Model	Capacity R-404A / R-507A (BTU/h)		Surface M ²	Tube volume (dm ³)	N.W. (kg)	Dimensions (mm)			Connection Diameter (Φ mm)	
	$t_e = -8^\circ\text{C}$ 17.6°F	$t_e = -25^\circ\text{C}$ -13°F				A	B	C	Inlet	Outlet
	DT1=8°K	DT1=7°K								
OEJ 1D *	3.301	2.416	3,3	1,0	6	410	250	-	12,7	9,5
OEJ 2D *	6.522	4.751	6,5	1,8	10	735	575	-	12,7	9,5
OEJ 3D *	9.784	7.126	9,8	2,5	13	1060	900	450	12,7	12,7
OEJ 4D *	13.004	9.502	13	3,4	18	1385	1224	612	12,7	12,7



Electric data

Model	Axial Fans							Electric Defrost		
	Diameter (Φ mm)	Qty	Voltage (V) 50/60Hz 1PH	Power (W)	Current (A)	Air Flow (m³/h)	Air Throw (m)	Coil (W)	Drain Pan (W)	Total (W)
OEJ 1D *	200	1	220	33	0,23	480	4	1 x 500	-	500
OEJ 2D *	200	2	220	66	0,46	960	4	1 x 800	-	800
OEJ 3D *	200	3	220	99	0,69	1440	4	1 x 1200	-	1200
OEJ 4D *	200	4	220	132	0,92	1920	4	1 x 1500	-	1500

Cross reference / Medium temperature Capacity @ TD 6°C (10°F) @ SST= -10°C (14°F)

OYON			FRIGUS BOHN			SMART BLUE MIPAL			KEEPRITE		
Model	Kcal/h	BTU/h	Model	Kcal/h	BTU/h	Model	Kcal/h	BTU/h	Model	Kcal/h	BTU/h
OEJ 2D *	1.393	5.530	FBA4050D	1.110	4.405	LBA054	1.173	4.653	KLP104	1.074	4.260
OEJ 3D *	2.081	8.262	FBA4080D	1.720	6.825	LBA066	1.410	5.595	KLP107	1.678	6.660
OEJ 3D *	2.081	8.262	FBA4090D	1.940	7.698	LBA092	1.980	7.857	KLP209	2.124	8.430
OEJ 4D *	2.778	11.028	FBA4110D	2.420	9.603	LBA113	2.473	9.813	KLP211	2.717	10.780
Various blades			Fan blade 10"			Fan blade 10"			Fan blade 10"		

Oyon evaporator units selection based on Danfoss condensing units

Temperature Environment = 32°C / 89.6 °F Overheating = 3°K Subcooling = 18°K		Danfoss Condensing unit								OYON Evaporator models									
R22 hermetic										6 mm Fin spacing DT1 = 6°K									
HP	Model	+5		-10		-20		-30		+5		-10		-20		-30		Model	
		Btu/h	Kcal/h	Btu/h	Kcal/h	Btu/h	Kcal/h	Btu/h	Kcal/h	Btu/h	Kcal/h	Btu/h	Kcal/h	Btu/h	Kcal/h	Btu/h	Kcal/h		
1/4	114N0003	2.562	646	1.606	405	-	-	-	-	2.966	748	1.864	470	-	-	-	-	OEJ 1D *	
1/3	114N0004	3.645	919	2.181	550	-	-	-	-	2.970	749	1.864	470	-	-	-	-	OEJ 2D *	
1/2	114N0054	4.603	1.160	3.333	840	1.929	486	-	-	6.001	1.512	4.597	1.158	4.214	1.062	3.703	933	OEJ 3D *	
5/8	HCM 008	7.579	1.910	4.028	1.015	2.405	606	-	-	9.002	2.268	6.895	1.738	6.320	1.593	5.554	1.400	OEJ 4D *	
3/4	HCM 009	9.246	2.330	5.230	1.318	3.238	816	-	-	-	-	-	-	-	-	-	-		
7/8	HCM 010	11.143	2.808	6.083	1.533	3.464	873	-	-	-	-	-	-	-	-	-	-		
1	HCM 012	11.972	3.017	6.623	1.669	3.587	904	-	-	11.965	3.015	9.165	2.310	8.401	2.117	7.383	1.860		
1 1/4	HCM 015	13.444	3.388	6.865	1.730	3.714	936	-	-	-	-	-	-	-	-	-	-		

Also available:



OEA series
EVAPORATOR



OEB series
EVAPORATOR