

# HEAT EXCHANGER VG-46 DUPLEX

## GENERAL

Brand	Cimbria
Designation	Heat exchanger
Model	VG-46 Duplex
Use	Industry
Application	Heating air for use in Cimbria continuous flow dryers.

## DIMENSIONS

Overall width	1 266 mm
Overall height	1 311 mm
Overall depth	400 mm

## VOLUME AND WEIGHT

Volumetric capacity	95 l
Weight, empty	395 kg

## WATER SUPPLY

Water temperature	From +2°C to +110°C
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## ENVIRONMENTAL CONDITIONS

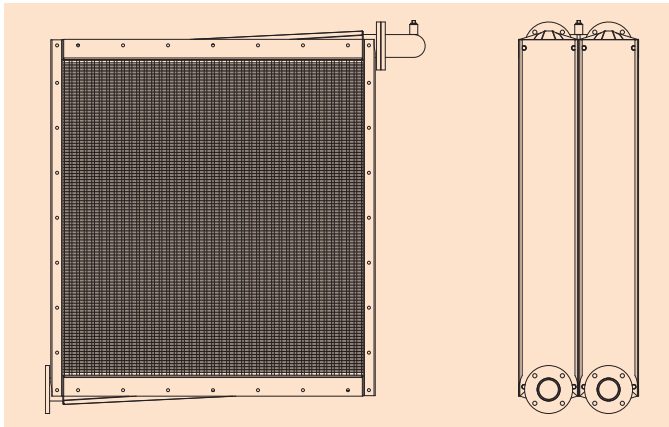
Environment	Indoors or outdoors
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## MATERIALS

Frame, tube and fins	Steel, hot-dip galvanized (internal and external)
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## LIFETIME

Intended life limit	20 years
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## PERFORMANCE

Water temperature [°C]	Water cooling [ΔT°C]	Air volume flow [m³/h]	Air resistance [Pa]	Air temperature [°C]	Water volume flow [m³/h]	Water resistance [hPa]	Effect [kW]
75	5	6 000	36	61	13	77	95
		9 000	74	58	15	122	133
		12 000	134	55	17	153	169
	10	6 000	36	57	7	28	88
		9 000	74	54	9	51	122
		12 000	134	52	12	73	158
15	6 000	36	55	6	5	83	
	9 000	74	51	9	7	113	
	12 000	134	48	12	8	142	
90	10	6 000	36	70	12	85	113
		9 000	74	67	16	160	162
		12 000	134	65	21	271	205
	15	6 000	36	68	8	39	110
		9 000	74	65	10	69	154
		12 000	134	62	12	99	197
	20	6 000	36	67	6	23	106
		9 000	74	64	8	45	146
		12 000	134	61	9	60	185
100	10	6 000	36	78	12	107	133
		9 000	74	72	15	181	181
		12 000	134	65	16	239	212
	15	6 000	36	77	8	45	129
		9 000	74	66	11	80	169
		12 000	134	63	13	105	208
	20	6 000	36	69	6	23	114
		9 000	74	65	8	45	164
		12 000	134	60	10	59	207

\* Test conditions: Ambient temperature: 15°C; Relative humidity: 75%.