

HEAT EXCHANGER VG-56 SIMPLEX

GENERAL

Brand	Cimbria
Designation	Heat exchanger
Model	VG-56 Simplex
Use	Industry
Application	Heating air for use in Cimbria continuous flow dryers.

DIMENSIONS

Overall width	1 368 mm
Overall height	1 306 mm
Overall depth	200 mm

VOLUME AND WEIGHT

Volumetric capacity	34 l
Weight, empty	340 kg

WATER SUPPLY

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

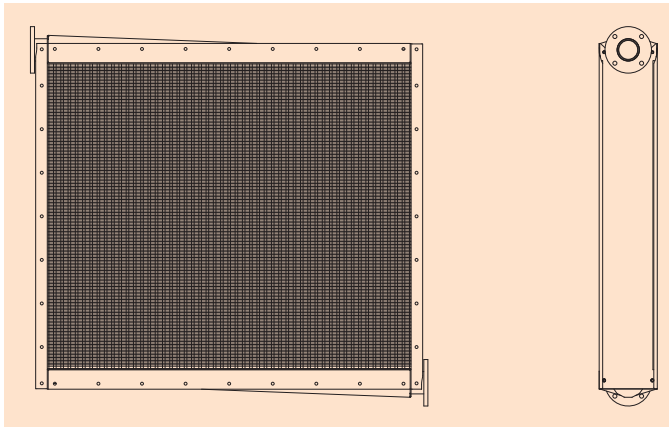
Environment	Indoors or outdoors
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MATERIALS

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	13	52	15	64	79	
		9 000	24	49	17	75	108	
		12 000	42	52	26.7	244	179	
	10	6 000	6 000	13	49	8	15	71
			9 000	24	46	9	20	97
			12 000	42	50	16.9	92	162
		15	6 000	13	46	4	2	65
			9 000	24	42	5	4	86
			12 000	42	47	11.4	69	156
90	10	6 000	13	57	9	20	89	
		9 000	24	53	12	33	125	
		12 000	42	63	20.6	187	224	
	15	6 000	13	54	6	7	79	
		9 000	24	50	7	10	109	
		12 000	42	61	13.2	96	211	
		20	6 000	13	50	4	3	74
			9 000	24	47	5	5	103
			12 000	42	58	9.1	37	199
	100	10	6 000	13	65	10	27	104
			9 000	24	59	12	39	137
			12 000	42	69	22.5	194	244
15		6 000	13	61	7	13	97	
		9 000	24	56	9	12	131	
		12 000	42	66	16.7	90	227	
		20	6 000	13	59	5	6	91
			9 000	24	55	6	10	122
			12 000	42	64	12.8	57	226

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