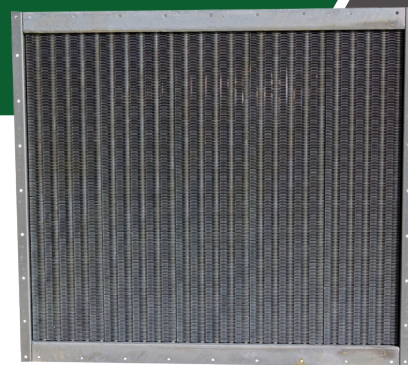


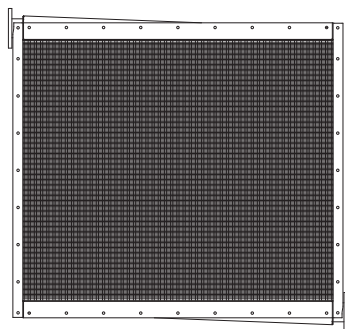
 DRYING

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	46	19	82	132	
	10	6 000	6 000	13	49	8	15	71
			9 000	24	46	9	20	97
			12 000	42	43	10	25	118
		15	6 000	13	46	4	2	65
			9 000	24	42	5	4	86
			12 000	42	40	6	9	106
90	10	6 000	13	57	9	20	89	
		9 000	24	53	12	33	125	
		12 000	42	51	14	47	157	
	15	6 000	13	54	6	7	79	
		9 000	24	50	7	10	109	
		12 000	42	48	8	15	135	
	20	6 000	13	50	4	3	74	
		9 000	24	47	5	5	103	
		12 000	42	45	6	13	131	
	100	10	6 000	13	65	10	27	104
			9 000	24	59	12	39	137
			12 000	42	54	14	54	163
15		6 000	13	61	7	13	97	
		9 000	24	56	9	21	131	
		12 000	42	52	10	28	160	
20		6 000	13	59	5	6	91	
		9 000	24	55	6	10	122	
		12 000	42	51	7	15	147	

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