

# HEAT EXCHANGER VG-36 SIMPLEX

## GENERAL

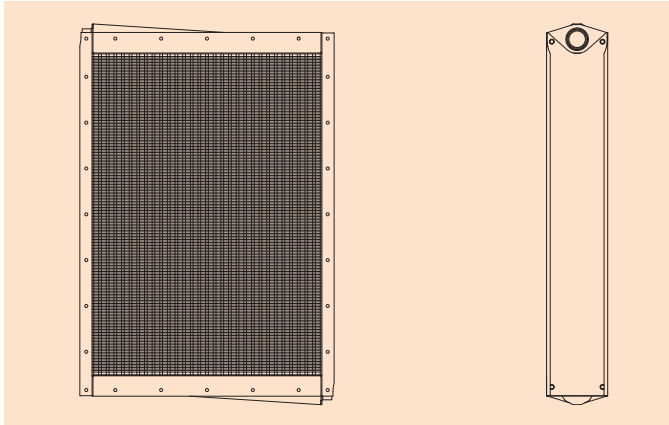
Brand	Cimbria
Designation	Heat exchanger
Model	VG-36 Simplex
Use	Industry
Application	Heating air for use in Cimbria continuous flow dryers.

## DIMENSIONS

Overall width	832 mm
Overall height	1 246 mm
Overall depth	200 mm

## VOLUME AND WEIGHT

Volumetric capacity	20.5 l
Weight, empty	170 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	29	39	8	25	49	
		9 000	67	33	10	30	56	
		12 000	119	30	11	34	61	
	10	6 000	29	38	4	12	47	
			9 000	67	33	5	13	54
			12 000	119	29	5	14	59
		15	6 000	29	37	3	10	44
			9 000	67	32	3	10	52
			12 000	119	29	3	11	56
90	10	6 000	29	44	5	14	59	
		9 000	67	37	6	16	69	
		12 000	119	33	6	18	75	
	15	6 000	29	43	3	11	57	
		9 000	67	37	4	11	66	
		12 000	119	33	4	12	72	
	20	6 000	29	42	2	9	55	
		9 000	67	36	3	10	64	
		12 000	119	32	3	10	69	
	100	10	6 000	29	48	6	16	68
			9 000	67	41	7	19	79
			12 000	119	36	7	20	85
15		6 000	29	47	4	11	66	
		9 000	67	40	4	12	76	
		12 000	119	35	5	13	83	
20		6 000	29	46	3	10	64	
		9 000	67	39	3	10	74	
		12 000	119	34	3	11	80	

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