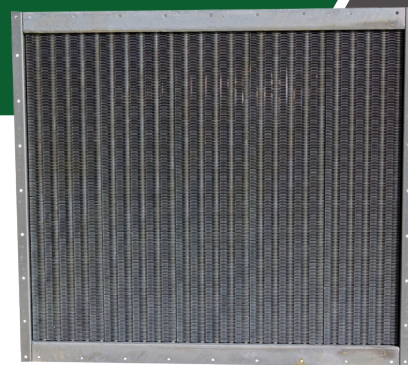


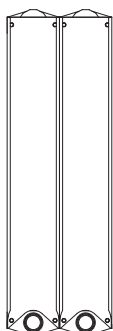
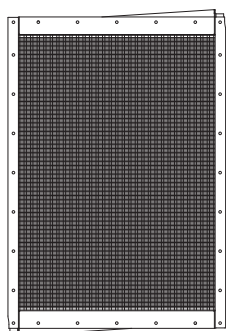
 DRYING

HEAT EXCHANGER VG-36 DUPLEX



GENERAL

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



DIMENSIONS

Overall width	832 mm
Overall height	1 246 mm
Overall depth	400 mm

VOLUME AND WEIGHT

Volumetric capacity	41 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	58	56	14	96	83
		9 000	134	48	18	125	103
		12 000	238	43	20	147	116
	10	6 000	58	54	7	35	79
		9 000	134	47	8	41	98
		12 000	238	42	10	46	11
	15	6 000	58	52	4	25	76
		9 000	134	45	5	26	94
		12 000	238	41	6	28	106
90	10	6 000	58	64	9	45	101
		9 000	134	56	11	56	125
		12 000	238	49	12	64	141
	15	6 000	58	62	6	28	97
		9 000	134	54	7	33	121
		12 000	238	48	8	36	136
	20	6 000	58	60	4	22	94
		9 000	134	53	5	25	116
		12 000	238	47	6	27	131
100	10	6 000	58	71	10	51	115
		9 000	134	61	12	68	143
		12 000	238	54	14	78	162
	15	6 000	58	69	6	32	111
		9 000	134	60	8	38	138
		12 000	238	53	9	42	157
	20	6 000	58	67	5	24	108
		9 000	134	58	6	28	134
		12 000	238	52	7	30	152

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