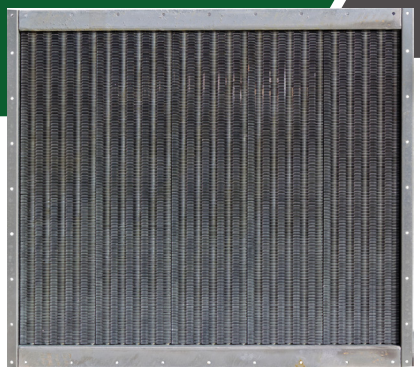
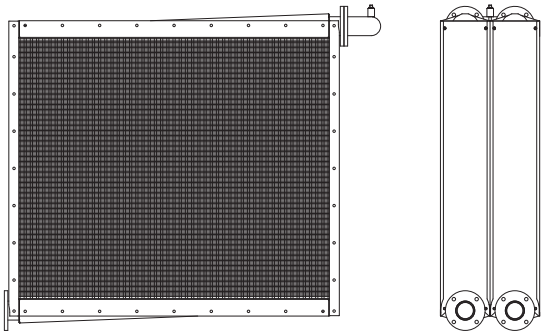
DRYING

HEAT EXCHANGER
VG-56 DUPLEX



GENERAL

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



DIMENSIONS

Overall width	1 516 mm
Overall height	1 311 mm
Overall depth	400 mm

VOLUME AND WEIGHT

Volumetric capacity	70 l
Weight, empty	682 kg

WATER SUPPLY

Water temperature	From +2°C to +110°C

ENVIRONMENTAL CONDITIONS

Environment	Indoors or outdoors

MATERIALS

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

LIFETIME

Intended life limit	20 years

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	26	61	17.1	136	96
		9 000	48	59	22.8	208	138
		12 000	84	57	26.7	244	179
	10	6 000	26	60	9.9	38	94
		9 000	48	58	13.2	56	131
		12 000	84	55	16.9	92	162
	15	6 000	26	57	5.9	27	87
		9 000	48	55	8.8	46	125
		12 000	84	52	11.4	69	156
90	10	6 000	26	74	13.7	92	125
		9 000	48	72	17	138	180
		12 000	84	68	20.6	187	224
	15	6 000	26	71	8.5	41	115
		9 000	48	68	11.2	70	165
		12 000	84	66	13.2	96	211
	20	6 000	26	68	5.8	17	110
		9 000	48	66	7.4	26	160
		12 000	84	63	9.1	37	199
100	10	6 000	26	81	15.1	107	137
		9 000	48	78	20.3	168	195
		12 000	84	74	22.5	194	244
	15	6 000	26	80	10.1	45	134
		9 000	48	77	14.3	75	187
		12 000	84	71	16.7	90	227
	20	6 000	26	76	6	12	128
		9 000	48	73	10	43	183
		12 000	84	69	12.8	57	229

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

Cimbria A/S | 7700 Thisted | Denmark | +45 9617 9000 | cimbria.cma@agcocorp.com