

# Rittal – The System.

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## ► Process Cooling



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FRIEDHELM LOH GROUP



#### Technical design:

- Robust design and construction, ideal for industrial applications
- Air routing via the left hand or right hand side panel
- Floating contact for general alarm signal
- Integral tank, made from stainless steel 1.4301 (AISI 304)

#### Temperature control:

- Electronic control with digital display (factory setting 18 °C)

#### Protection category:

- IP 44 (electrics)

#### Colour:

- RAL 7035

#### Supply includes:

- Chiller wired ready for connection
- Multi-lingual documentation
- Functional diagram and wiring plan

#### Approvals:

- Available upon request

#### Layout diagram:

- Available upon request

#### Pump characteristic curves:

- Available upon request

#### Other options:

- Available upon request

## In floor-standing enclosure, cooling output 2.1 to 7.7 kW

Model No.		3336.100	3336.200	3336.300	3336.500	3336.600	3336.650
Total cooling output <sup>1)</sup>	kW	1.7	2.1	2.3	3.6	4.8	5.2
<b>Total cooling output <sup>2)</sup></b>	<b>kW</b>	<b>2.1</b>	<b>2.6</b>	<b>3.4</b>	<b>5.0</b>	<b>6.2</b>	<b>7.7</b>
Width	mm	470	485	485	595	595	595
Height	mm	725	965	965	1180	1180	1180
Depth	mm	540	650	650	800	800	800
Rated operating voltage	V, ~, Hz	400, 3, 50	400, 3, 50	400, 3, 50	400, 3, 50	400, 3, 50	400, 3, 50
Power consumption	kW	1.5	1.7	2.3	2.9	3.7	3.9
Rated maximum current	A	3.4	3.0	4.2	5.5	6.2	7.3
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Operating ambient temperature range	°C	+15 to +43	+15 to +43	+15 to +43	+15 to +43	+15 to +43	+15 to +43
Liquid medium temperature range	°C	+10 to +25	+10 to +25	+10 to +25	+10 to +25	+10 to +25	+10 to +25
Pump capacity	min	60	60	120	120	240	240
Number of cooling circuits		1	1	1	1	2	2
Tank capacity	l	17	33	33	57	57	57
Water connections		¾ " internal thread	¾ " internal thread	¾ " internal thread	1 " internal thread	1 " internal thread	1 " internal thread
Operating mass	kg	92	130	132	198	200	204
Air throughput of fans	m³/h	700	1250	1785	3140	3140	3140

<sup>1)</sup> At a chilled water flow temperature of 10 °C and an ambient air temperature of 32 °C

<sup>2)</sup> At a chilled water flow temperature of 18 °C and an ambient air temperature of 32 °C

## In floor-standing enclosure, cooling output 10 to 25 kW

Model No.		3336.700	3336.710	3336.720	3336.730	3336.740	3336.750
Total cooling output <sup>1)</sup>	kW	8.3 / 10.4	11.9 / 15.5	13.5 / 16.6	15.0 / 18.1	17.0 / 20.7	20.6 / 26.4
<b>Total cooling output <sup>2)</sup></b>	<b>kW</b>	<b>10.0 / 12.6</b>	<b>14.4 / 18.7</b>	<b>16.3 / 20.1</b>	<b>18.5 / 22.4</b>	<b>20.9 / 25.4</b>	<b>25.2 / 32.3</b>
Width	mm	615	615	615	715	715	715
Height	mm	1178	1178	1178	1178	1178	1178
Depth	mm	1160	1160	1160	1360	1360	1360
Rated operating voltage	V, ~, Hz	400, 3, 50 / 460, 3, 60	400, 3, 50 / 460, 3, 60	400, 3, 50 / 460, 3, 60	400, 3, 50 / 460, 3, 60	400, 3, 50 / 460, 3, 60	400, 3, 50 / 460, 3, 60
Power consumption	kW	3.8	4.8	5.3	6.4	7.1	13.1
Rated maximum current	A	10.6	13.1	14.1	16.2	18.2	23.7
Refrigerant		R407C	R407C	R407C	R407C	R407C	R407C
Operating ambient temperature range	°C	+15 to +43	+15 to +43	+15 to +43 <sup>3)</sup>	+15 to +43	+15 to +43	+15 to +43 <sup>3)</sup>
Liquid medium temperature range	°C	+10 to +25	+10 to +25	+10 to +25	+10 to +25	+10 to +25	+10 to +25
Number of cooling circuits		1	1	1	1	1	1
Tank capacity	l	60	60	60	100	100	100
Water connections		1 " internal thread	1 " internal thread	1 " internal thread	1 " internal thread	1 " internal thread	1 " internal thread
Operating mass	kg	275	285	295	340	350	360
Air throughput of fans	m <sup>3</sup> /h	6280	6280	6280	10880	10880	10880

<sup>1)</sup> At a chilled water flow temperature of 10 °C and an ambient air temperature of 32 °C

<sup>2)</sup> At a chilled water flow temperature of 18 °C and an ambient air temperature of 32 °C

<sup>3)</sup> +15 to +40 at 60 Hz

## In floor-standing enclosure, cooling output 32 to 59 kW

Model No.		3339.100	3339.200	3339.250	3339.280
Total cooling output <sup>1)</sup>	kW	26.2 / 31.4	29.6 / 35.5	40.0	52.0
<b>Total cooling output <sup>2)</sup></b>	<b>kW</b>	<b>32.0 / 38.4</b>	<b>36.2 / 43.5</b>	<b>46.7</b>	<b>59.0</b>
Width	mm	815	815	1000	1000
Height	mm	1400	1400	1800	1800
Depth	mm	1560	1560	2000	2000
Rated operating voltage	V, ~, Hz	400, 3, 50 / 460, 3, 60	400, 3, 50 / 460, 3, 60	400, 3, 50	400, 3, 50
Power consumption	kW	18.3	18.6	20.6	36.8
Rated maximum current	A	29.2	30.7	36.8	41.1
Refrigerant		R407C	R407C	R407C	R407C
Operating ambient temperature range	°C	+15 to +43	+15 to +43	+15 to +40	+15 to +40
Liquid medium temperature range	°C	+10 to +25	+10 to +25	+10 to +25	+10 to +25
Number of cooling circuits		1	1	1	1
Tank capacity	l	150	150	220	220
Water connections		¼ " internal thread	1¼ " internal thread	1½ " internal thread	1½ " internal thread
Operating mass	kg	410	450	900	960
Air throughput of fans	m <sup>3</sup> /h	16000	16000	32000	32000

<sup>1)</sup> At a chilled water flow temperature of 10 °C and an ambient air temperature of 32 °C

<sup>2)</sup> At a chilled water flow temperature of 18 °C and an ambient air temperature of 32 °C

# Rittal – The System.

**Faster – better – everywhere.**

## Process Cooling

As a system supplier, Rittal are the world's leading provider of exceptionally effective yet energy-efficient and environmentally-friendly climate control solutions, precisely tailored to the customer's individual requirements.

**Faster** – Simple project planning with the Therm App

**Better** – Efficient, energy-saving climate control technology, TÜV-tested

**Everywhere** – Global spare parts service

- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

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