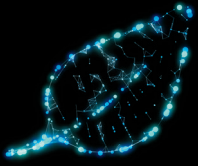


Rittal – The System.

Faster – better – everywhere.



Sustainability that works

Minimizing CO₂ emissions – the Blue e+ way



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

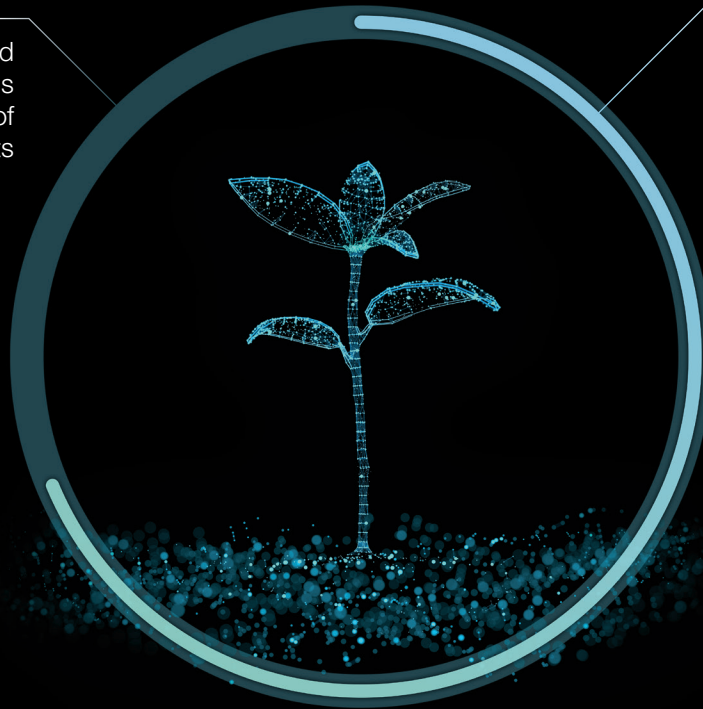
Sustainability is our priority. Is it yours too?

Sustainable use of resources

Speed-controlled
cooling extends
the working life of
the components

Annual carbon savings
per unit equate to the

CO₂ absorption
of 80 trees



Sustainability is high on the global agenda, alongside digitalization. Companies are faced with growing energy needs and the economic challenge of rising electricity prices. They need to identify and implement workable solutions that fulfill the requirements of political and environmental regulations while supporting their internal energy reduction goals and minimizing energy related costs.

Sustainability is becoming an increasingly important factor in customer purchasing decisions and they seek companies that follow sustainable practices focused on reducing their carbon footprint.

Now is the time to take action. We're ready. Are you?



75%

energy savings

with each

Blue e+ unit

Sustainability that works.

Blue e+ technology

In 2015, Rittal launched the world's most efficient range of enclosure cooling units: Blue e+. Since then, the range has continuously been developed, advanced, and upgraded. Average energy savings compared with conventional cooling units are in the region of 75%, which translates into a significantly reduced carbon footprint.

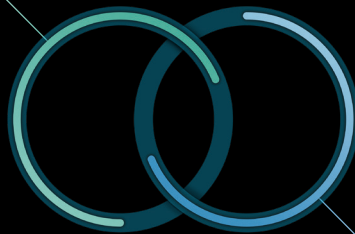
What's more, Blue e+ boasts one-of-a-kind technology, long service life for the installed components thanks to reduced temperature fluctuations, as well as global usability and IoT integration. The revolutionary energy efficiency of the Blue e+ is achieved due to its ingenious hybrid technology, featuring two parallel cooling circuits that can operate independently or in tandem with each other depending on the temperature fluctuation.

The uniqueness of the Blue e+ technology uses the interactive nature and power of passive and active cooling circuits. Two circuits that continuously adapt perfectly to the ambient conditions and with maximum efficiency.

**Further information
can be found at:**

<https://rittal.us/co2-footprint>

Passive cooling circuit:
The heat pipe dissipates heat
from the enclosure as soon
as the ambient temperature
drops below the setpoint



Active cooling circuit: Speed-
controlled components for
demand-based cooling

Your benefits:



- Improved efficiency: Average energy savings of 75% per Blue e+ unit
- Greater flexibility: For any application, location, or output range
- Added certainty: Maximum reliability, less maintenance-intensive, and quickly deployed, ready for use
- Greater simplicity: Effortless planning, operation, and installation

New: Blue e+ S

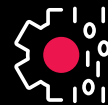
Sustainability for outputs of up to 1 kW



The new Blue e+ S cooling units: Now even more sustainable power for the .3 - 1 kW output categories. With a new design, smart functions, and even faster more reliable processes due to Rittal's Smart Service* condition monitoring tool.



Now more sustainable, thanks to a world-class energy efficiency rating and the least possible Global Warming Potential



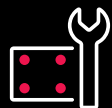
Now even better, with digital connection via smart monitoring*, IoT interface and our Scan & Service app



Now more versatile, with multi-voltage capability for global use



Now more convenient, due to easy and quick accessibility for maintenance and service



Now faster, with improved handling and easier assembly



Now more reliable because any changes to the status of the system are indicated by LED lights

**Further information
can be found at:**

<https://rittal.us/blue-e-s>


*where available

Blue e+

Sustainable technology for all applications

A cooling unit that's at home in any environment. Blue e+ units are ideal for all industries and environments. Choose from a range of efficient solutions covering all requirements and applications:

- A wide output range covering all cooling requirements from 0.3 – 5.8 kW
- Sheet steel version for all typical industry applications
- Stainless steel & chemical versions for challenging ambient conditions
- Robust outdoor version with anti-vandalism features
- Maritime versions for applications that can move e.g. on board ships
- International approvals and multi-voltage capability for worldwide use

1t  **CO₂**
savings
per unit/year –
the amount of **CO₂**
absorbed by a beech
tree in **80 years**



Services and digital tools for greater efficiency

Further information

can be found at:

www.rittal.com/Efficiency-analyses

Rittal's efficiency and service check can speed up your path to carbon-neutral production!

Rittal can help you convert your production to cooling units based on Blue e+ technology. Get a bespoke efficiency and service audit of your installed enclosure cooling units.



Efficiency and service check:

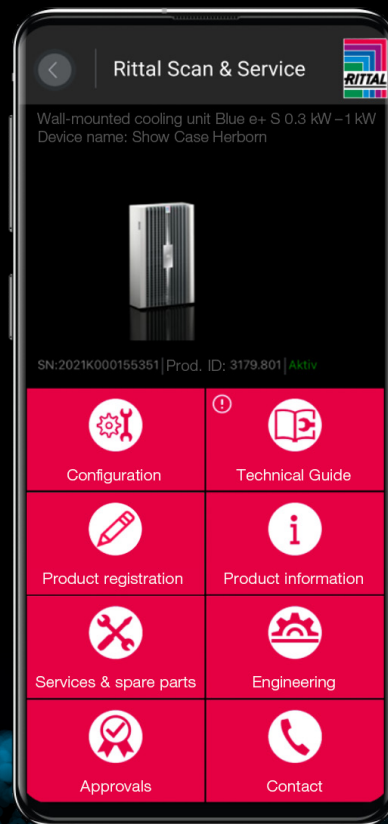


- Review of the current performance levels of your units
- Energy-saving ideas for energy audits to DIN EN 16247-1
- Recommendations for reducing unscheduled production stoppages, down-time and the associated costs
- Advice on government subsidies and potential tax savings
- Identification of potential savings, improvements and upgrades

Digital tools and data: Rittal Scan & Service app

Direct access to all cooling unit information, simple operation of the equipment and efficient communication in the event of any faults.

Available from the App Store and Google Play



Model No.	Total cooling output		Rated Voltage, 50/60 Hz	Dimensions (inches)			Dimensions (mm)			Installation Type		
	BTU	kw		Width	Height	Depth	Width	Height	Depth	External Mounting	Partial Internal Mounting	Full Internal Mounting
	L35 L35	L35 L35										
Blue e+ S, sheet steel												
3178.800	1024	0.3	110 - 240 V, 1~	11.8	22.4	6.3	300	570	159	■		■
3178.801	1024	0.3	110 - 240 V, 1~	11.8	22.4	6.3	300	570	159	■		■
3179.800	1774	0.52	110 - 240 V, 1~	11.8	22.4	7.8	300	570	199	■		■
3179.801	1774	0.52	110 - 240 V, 1~	11.8	22.4	7.8	300	570	199	■		■
3180.800	2661	0.78	110 - 240 V, 1~	11.8	22.4	9.8	300	570	250	■		■
3184.800	3412	1	110 - 240 V, 1~	15.7	37.4	7.7	400	950	196	■		■
3184.840	3412	1	380 - 480 V, 2~	15.7	37.4	7.7	400	950	196	■		■
Blue e+ , sheet steel*												
3185.830	5459	1.6	110 - 240 V, 1~ 380 - 480 V, 3~	15.7	37.4	12.2	400	950	310	■	■	■
3186.930	6824	2	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■	■	■
3187.930	8872	2.6	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■	■	■
3188.940	14331	4.2	380 - 480 V, 3~	17.7	63.0	15.5	450	1600	393	■	■	
3189.940	19790	5.8	380 - 480 V, 3~	17.7	63.0	15.5	450	1600	393	■	■	
Blue e+ for maritime and other dynamic applications*												
3184.837	3412	1	110 - 240 V, 1~ 380 - 480 V, 3~	15.7	37.4	12.2	400	950	310	■		■
3185.837	5459	1.6	110 - 240 V, 1~ 380 - 480 V, 3~	15.7	37.4	12.2	400	950	310	■		■
3186.937	6824	2	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■		■
3187.937	8872	2.6	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■		■
Blue e+ , stainless steel*												
3185.530	5459	1.6	110 - 240 V, 1~ 380 - 480 V, 3~	15.7	37.4	12.2	400	950	310	■	■	■
3186.630	6824	2	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■	■	■
3187.630	8872	2.6	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■	■	■
3188.640	14331	4.2	380 - 480 V, 3~	17.7	63.0	15.5	450	1600	393	■	■	
3189.640	19790	5.8	380 - 480 V, 3~	17.7	63.0	15.5	450	1600	393	■	■	
Blue e+ , chemical*												
3185.835	5459	1.6	110 - 240 V, 1~ 380 - 480 V, 3~	15.7	37.4	12.2	400	950	310	■	■	■
3186.935	6824	2	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■	■	■
3187.935	8872	2.6	110 - 240 V, 1~ 380 - 480 V, 3~	17.7	63.0	11.6	450	1600	294	■	■	■
3188.945	14331	4.2	380 - 480 V, 3~	17.7	63.0	15.5	450	1600	393	■	■	
3189.945	19790	5.8	380 - 480 V, 3~	17.7	63.0	15.5	450	1600	393	■	■	
Blue e+ , outdoor**												
3185.330	5118	1.5	110 - 240 V, 1~ 380 - 480 V, 3~	18.4	41.0	11.0	467	1042	280	■	■	■
3186.330	6824	2	110 - 240 V, 1~ 380 - 480 V, 3~	20.4	66.6	10.2	517	1692	260	■	■	■
3187.330	8530	2.5	110 - 240 V, 1~ 380 - 480 V, 3~	20.4	66.6	10.2	517	1692	260	■	■	■
3188.340	12966	3.8	380 - 480 V, 3~	20.4	66.6	14.2	517	1692	360	■	■	■
3189.340	17061	5	380 - 480 V, 3~	20.4	66.6	14.2	517	1692	360	■	■	■
Blue e+ , roof-mounted***												
3185.730	4436	1.3	110 - 240 V, 1~ 380 - 480 V, 3~	27.6	12.1	22.0	700	308	560	■		

*Operating temperature range: -4 °F to +140 °F | IP protection category and UL Type: IP 55, UL Type 12 and 3R | Integrated condensate evaporation except for 3178.801 and 3179.801
**Operating temperature range: -22 °F to +140 °F | IP protection category and UL Type: IP 56, UL Type 12, 3R and 4 | Integrated condensate evaporation
***Operating temperature range: -4 °F to +140 °F | IP protection category and UL Type: IP 54, UL Type 12 | Condensate evaporation optionally available as an accessory

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

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