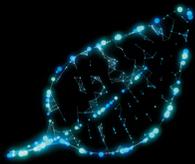


# Rittal – The System.

Faster – better – everywhere.



## Sustainability that works

Minimizing CO<sub>2</sub> emissions – the Blue e+ way



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

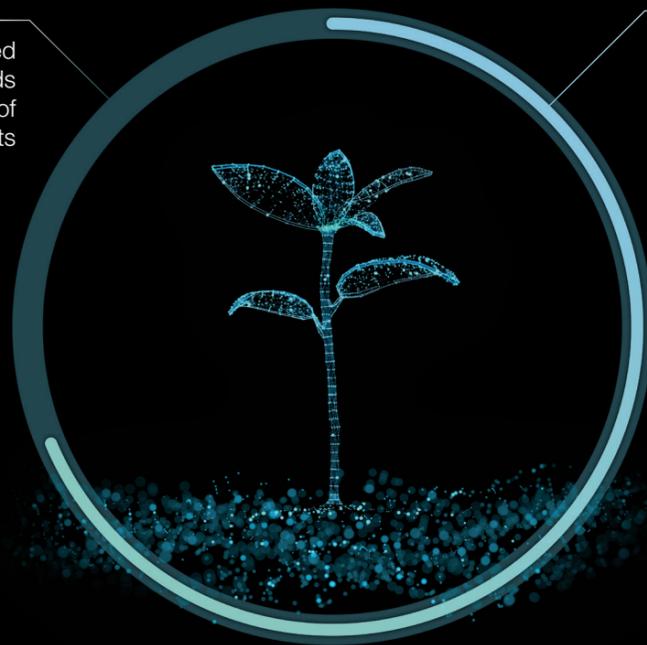


FRIEDHELM LOH GROUP

# 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

CO<sub>2</sub> 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.

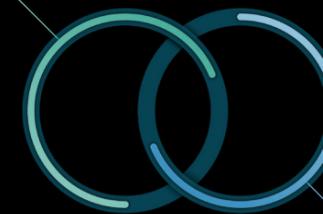
What's more, Blue e+ boasts one-of-a-kind technology, long service life for the installed components thanks to reduced temperature fluctuations, as well as global usability and IoT integration. The revolutionary energy efficiency of the Blue e+ is achieved due to its ingenious hybrid technology, featuring 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 industry sectors and environments. A range of efficient solutions exists for every requirement and application:

- A wide output range covering all cooling requirements from 0.3 – 5.8 kW
- Sheet steel design for all typical industrial sector applications
- Stainless steel and chemical options available for challenging environmental conditions
- Robust outdoor version with anti-vandalism features
- International approvals and multi-voltage capability for worldwide use



**1 t** CO<sub>2</sub>  
savings

per unit/year –  
the amount of CO<sub>2</sub>  
absorbed by a beech  
tree in **80 years**

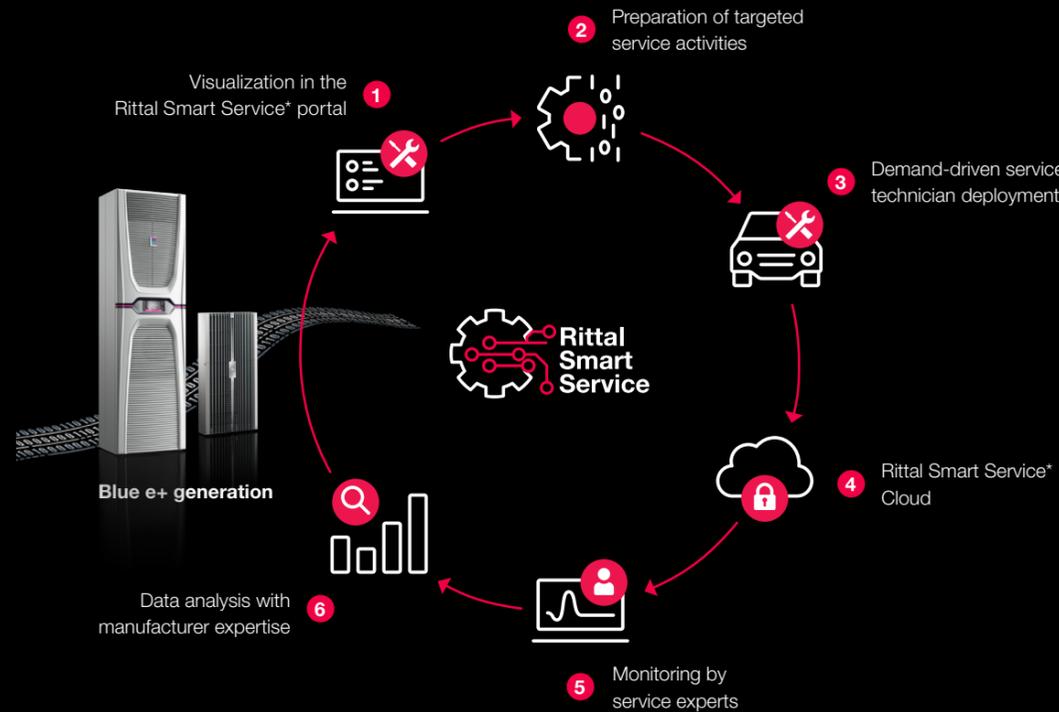


# Digitalization for seamless processes

Further information  
can be found at:  
[rittal.us/smartservice](http://rittal.us/smartservice)

Rittal Smart Service\* solution: Real-time display and monitoring of all networked cooling units – for demand-driven maintenance, early detection of critical faults, and maximum system uptime.

## Rittal Smart Service\*



Available on the App Store  
and Google Play



**Scan & Service app:** Direct access for a superior overview and easier operation of the cooling unit.

**IoT Interface:** Intelligent networking of Rittal cooling solutions or sensors for monitoring ambient conditions.

\*where available

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										
<b>Blue e+ S, sheet steel</b>												
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	■		■
3184.800	3412	1	110 - 240 V, 1~	11.8	37.4	7.7	300	950	196	■		■
3184.840	3412	1	380 - 480 V, 2~	11.8	37.4	7.7	300	950	196	■		■
<b>Blue e+ , sheet steel*</b>												
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	■	■	
<b>Blue e+ , stainless steel*</b>												
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	■	■	
<b>Blue e+ , chemical*</b>												
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	■	■	
<b>Blue e+ , outdoor**</b>												
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	■	■	■
<b>Blue e+ , roof-mounted***</b>												
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

Technical specifications: [www.rittal.us/wallmountedcooling](http://www.rittal.us/wallmountedcooling)  
Design software: [www.rittal.us/therm](http://www.rittal.us/therm)  
Enclosure configuration: [www.rittal.us/tools](http://www.rittal.us/tools)

# Rittal – The System.

**Faster – better – everywhere.**

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

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