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## SK 3332.640

# TopTherm wall-mounted cooling unit Blue e

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3332.640 - TopTherm wall-mounted cooling unit Blue e 0.3 - 4 kW

Energy-efficient Blue e wall-mounted cooling units in the output categories 300 W to 4000 W and with integral electrical condensate evaporator (from 1000 W). Available in the special formats "horizontal" and "flat".



## Features

|                      |  |
|----------------------|--|
| Model No.            | SK 3332.640  |
| Design               | wall-mounted   |
| Product description  | Energy-efficient Blue e wall-mounted cooling units in the output categories 300 W to 4000 W and with integral electrical condensate evaporator (from 1000 W).  |
| Benefits             | May be linked to the IoT interface via Blue e IoT adaptor for cooling units from 500 W cooling output with e-Comfort controller  |
| Product modification | The unit will be available with R134a refrigerant until 31 December 2026. From 1 January 2025, the unit will no longer meet the GWP requirements for the US market. As an alternative, we recommend the use of a Blue e+ cooling unit. |
| Material             | Stainless steel 1.4301 (AISI 304)  |
| Colour               | RAL 9007   |
| Supply includes      | Condenser with hydrophobic RiNano coating<br>Fully wired ready for connection (plug-in terminal strip)<br>Drilling template<br>Assembly parts<br>Integral electric condensate evaporation  |

# Features

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|--|--|
| Total cooling output to DIN EN 14511           | Cooling output L35 L35/50 Hz: 3.95 kW<br>Cooling output L35 L35/60 Hz: 4.35 kW<br>Cooling output L35 L50/50 Hz: 3.02 kW<br>Cooling output L35 L50/60 Hz: 3.52 kW         |
| Rated operating voltage                        | 400 V, 3~, 50 Hz<br>460 V, 3~, 60 Hz   |
| Rated current max.                             | At 50 Hz: 4.2 A<br>At 60 Hz: 4.2 A   |
| Start-up current max.                          | At 50 Hz: 9.2 A<br>At 60 Hz: 11 A  |
| Air throughput (unimpeded air flow)            | External circuit: 2,000 m <sup>3</sup> /h<br>Internal circuit: 1,500 m <sup>3</sup> /h   |
| Energy efficiency ratio (EER) 50/60 Hz L35 L35 | Refrigeration factor L35 L35 (EER) 50 Hz: 2.47<br>Refrigeration factor L35 L35 (EER) 60 Hz: 2.18   |
| Design   | wall-mounted   |
| Dimensions                                     | Width: 500 mm<br>Height: 1,580 mm<br>Depth: 340 mm   |
| Protection category to IEC 60 529              | External circuit IP 34<br>Internal circuit IP 54   |
| Protection category NEMA                       | UL Type 12   |
| Refrigerant/cooling medium                     | Refrigerant: R134a<br>Quantity: 2.995 kg<br>Global Warming Potential (GWP): 1,430<br>CO <sub>2</sub> equivalent (CO <sub>2</sub> e): 4.28 t                              |
| Temperature control                            | e-Comfort controller (factory setting +35 °C)  |
| Operating temperature range                    | 10 °C...55 °C  |
| Storage temperature range                      | -40 °C...70 °C   |
| Setting range                                  | 20 °C...55 °C  |
| Power consumption Pel                          | Power consumption L35 L35/50 Hz: 1.6 kW<br>Power consumption L35 L35/60 Hz: 2 kW<br>Power consumption L35 L50/50 Hz: 1.87 kW<br>Power consumption L35 L50/60 Hz: 2.34 kW |

# Features

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|  |   |
|--|---|
| Permissible operating pressure (p. max.) | 28 bar  |
| Pre-fuse                                 | Motor circuit-breaker: 6.3...10 A   |
| Note on Model No.                        | Extended delivery times.<br>Full installation not possible  |
| Packs of                                 | 1 pc(s).  |
| Net weight                               | 102.6 kg  |
| Gross weight                             | 108 kg  |
| Customs tariff number                    | 84158200  |
| ETIM 9                                   | EC000855  |
| ETIM 8                                   | EC000855  |
| ECLASS 8.0                               | 27180704  |
| Product description                      | SK cooling unit Blue e, wall-mounted, 3.95 kW, 400-460 V, 3~, 50/60 Hz, Stainless steel, WHD: 500 x 1580 x 340 mm |

# Approvals

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|              |   |
|--------------|---|
| Approvals    | 30 - KC Korea<br>UL + C-UL - FTTA<br>UR + C-UR (recognized)   |
| Explanations | Manufacturer's declaration<br>Declaration of conformity<br>Declaration of conformity - F-gas regulation<br>Declaration of conformity UK |

# Tender text

TopTherm wall-mounted cooling units Blue e  
Energy-efficient Blue e wall-mounted cooling units  
with e-comfort controller integrated as standard,  
electrical condensate evaporation  
and hydrophobic RiNano coating on the condenser.

Total cooling output:

L 35 L 35 at 50 Hz: 3.95 kW

L 35 L 35 at 60 Hz: 4.35 kW

L 35 L 50 at 50 Hz: 3.02 kW

L 35 L 50 at 60 Hz: 3.52 kW

Power consumption:

L 35 L 35 at 50 Hz: 1.6 kW

L 35 L 35 at 60 Hz: 2 kW

L 35 L 50 at 50 Hz: 1.87 kW

L 35 L 50 at 60 Hz: 2.34 kW

Air throughput of fans unimpeded airflow external:  
2000 m<sup>3</sup>/h

Air throughput of fans unimpeded airflow internal:  
1500 m<sup>3</sup>/h

Energy efficiency ratio EER: 2.47

Rated operating voltage: 400/460 V, 50/60 Hz

Dimensions [W x H x D]: 500 x 1580 x 340 mm

Refrigerant: R134a

Temperature control: e-Comfort controller (factory  
setting +35°C)

Ambient temperature range: 10°C to 55°C

Setting range: 20°C to 55°C

Protection category to IEC 60 529: External circuit IP  
34

Protection category to IEC 60 529: Internal circuit IP  
54

Weight: 91 kg

Material: Stainless steel