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SK 3336.435 Chillers Blue e

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ENCLOSURES

POWER DISTRIBUTION

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SK 3336.435 - Chillers Blue e 8 - 48 kW

The Blue e chiller in the floor standing enclosure provides centralised, efficient cooling of the cooling water. The microchannel technology reduces the volume of refrigerant required. Intuitive operation via touch display and intelligent communications interfaces ensure user-friendly operation and analysis. Integral safety functions, included as standard, ensure maximum safety. Delivery times are also shortened, thanks to pre-defined option packages.

Features

Model No.	SK 3336.435
Design	Robust industrial standard Floating contact for collective fault signal
Benefits	Reduced volume of refrigerant, thanks to microchannel technology Touch display for simplified user guidance Remote monitoring pre-integrated into the base unit Integral safety functions Pre-configured options
Colour	Enclosure: RAL 7035 Base/plinth: RAL 7016
Supply includes	Chiller wired ready for connection Multilingual documentation including functional diagram and wiring plans
Protection category to IEC 60 529	IP 44 (electrics)
Total cooling output Tw10 / Tu32	Cooling output Tw10 Tu32/50 Hz: 16.3 kW Cooling output Tw10 Tu32/60 Hz: 19.2 kW
Total cooling output Tw18 / Tu32	Cooling output Tw18 Tu32/50 Hz: 19.3 kW Cooling output Tw18 Tu32/60 Hz: 22 kW
Total cooling output to DIN EN 14511 Tw18 / Tu35	Cooling output Tw18 Tu35/50 Hz: 18.45 kW Cooling output Tw18 Tu35/60 Hz: 21.44 kW
Air throughput (unimpeded air flow)	At 50 Hz: 12,000 m ³ /h At 60 Hz: 14,500 m ³ /h
Rated operating voltage	400 V, 3~, 50 Hz 460 V, 3~, 60 Hz

Features

Dimensions	Width: 760 mm Height: 1,265 mm Depth: 1,515 mm
Control voltage 24 V DC	Yes
Precision controller	Yes
Performance-enhanced pump	Yes
Noise level	79 dB(A)
Operating temperature range	10 °C...43 °C
Operating temperature range of cooling medium	10 °C...25 °C
Temperature hysteresis	± 0.25 K
Refrigerant/cooling medium	Refrigerant: R410A Quantity: 1.45 kg Global Warming Potential (GWP): 2,088 CO2 equivalent (CO2e): 3.03 t
Pump pressure	At 50 Hz: 4.75 bar At 60 Hz: 6.75 bar
Volumetric flow (cooling medium)	At 50 Hz: 45 l/min At 60 Hz: 75 l/min
Power consumption Pel	At 50 Hz: 8.5 kW At 60 Hz: 10.9 kW
Rated current max.	At 50 Hz: 19.9 A At 60 Hz: 17.2 A
Water connections	R 1¼" internal thread
Number of cooling circuits	1
Tank	Material: PE plastic Volume: 78 l
Operating weight	388 kg
Packs of	1 pc(s).
Weight/pack	310 kg
Net weight	300

Features

Gross weight	315
Customs tariff number	84186900
EAN	4028177926899
ETIM 8	EC002516
ETIM 7.0	EC002516
ECLASS 8.0	27180713

Approvals

Explanations	Declaration of conformity Declaration of conformity - F-gas regulation
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Tender text

3336.435,,

Chiller Blue e,,

The Blue e chiller in the floor standing enclosure provides centralised, efficient cooling of the cooling water.,,

The microchannel technology reduces the volume of refrigerant required.

Intuitive operation via touch display and intelligent communications interfaces ensure user-friendly operation and analysis.,,

The integrated remote monitoring in the basic unit additionally ensures maximum safety.,,

Total cooling output TW10 TU32, 50/60 Hz: 16,3 / 19,2 kW,,

Total cooling output TW18 TU32, 50/60 Hz: 19,3 / 22 kW

Total cooling output TW18 TU35, 50/60 Hz: 18,45 / 21,44 kW,,

Power consumption 50/60 Hz: 8,5 / 10,9 kW,,

Rated power input 50/60 Hz: 19,9 / 17,2 A,,

Volumetric flow (cooling medium) 50/60 Hz: 45 / 75 l/min,,

Pump pressure 50/60 Hz: 4,75 / 6,75 bar,,

Rated operating voltage: 400 V, 3~, 50 Hz; 460 V, 3~, 60 Hz,,

Colour: Enclosure: RAL 7035; Base/plinth: RAL 7016,,

Dimensions [WxHxD]: 760x1265x1515 mm,,

Operating temperature range: 10 °C to 43 °C,,

Liquid media temperature range: 10 °C to 25 °C,,

Temperature hysteresis: +/- 0,25 K,,

Number of cooling circuits: 1,,

Refrigerant / Quantity:,,R410a / 1450 g

Tank (Material): PE plastic,,

Tank (contents): 78 l,,

Water connections: R 1 1/4" IG,,

Options: Performance-enhanced pump, precision controller, control voltage 24 V DC,,

Noise level: 79 dB(A),,

Protection category IP to IEC 60 529: IP 44 (electrics),,

Weight: 310 kg,,

Weight in operating status: 388 kg