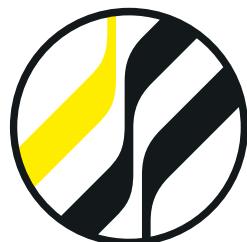


Kelvion



Customized Air Coolers

Küba SG industrial

**MORE POWER.  
LESS ENERGY.**





# Kelvion



## EXPERTS IN HEAT EXCHANGE – SINCE 1920

Welcome to Kelvion! Where Heat Exchange is our Business. We are one of the leading global manufacturers of heat exchangers and have been providing solutions for almost every industrial application imaginable since the 1920s, specializing in customized solutions suitable for extreme environmental conditions - as of 2015 under the name of Kelvion.

With one of the most extensive selections of heat exchangers in the world, we are a well-known partner in many industries, including transportation, energy, oil and gas, the heavy industry, chemical and marine as well as sugar, food and beverage and the HVAC and refrigeration technology sector. Our products include Compact Fin Heat Exchangers, Plate Heat Exchangers, Single Tube Heat Exchangers, Transformer Cooling Systems, Cooling Towers and Shell & Tube Heat Exchangers.

Our many years of experience and in-depth expertise have made us specialists in this field. Our heat exchangers are designed specifically to meet the needs of the respective machine or equipment system, ensuring outstanding energy efficiency and reliability in any market segment. This gives our customers a cutting-edge over their competitors while also reducing operating costs over the long term.

As your heat exchange partner, we understand that outstanding and reliable after-sales services are critical for you, our customer, and we work alongside with you in close partnership supporting you throughout the full life cycle of your plant and equipment to ensure lasting business success.

Kelvion – Experts in Heat Exchange.

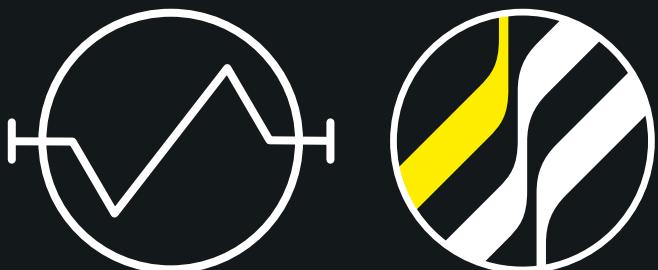


## KELVION – A TRIBUTE TO LORD KELVIN (1824 - 1907)

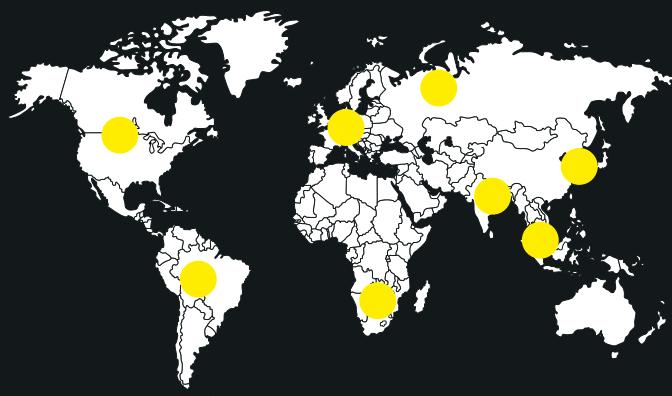


Lord Kelvin formulated the laws of thermodynamics and absolute units of temperature are stated in kelvin, in his honor.

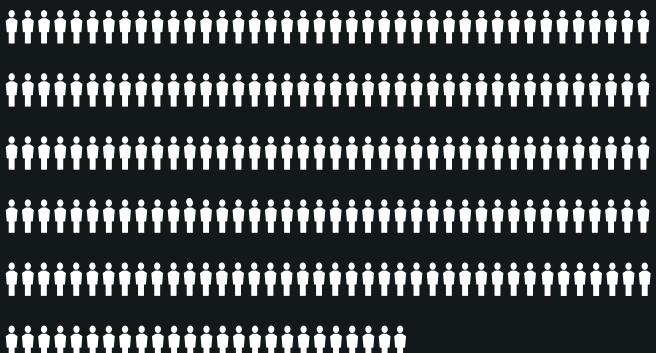
## OUR LOGO – INSPIRED FROM THE SCHEMATIC FOR HEAT EXCHANGER



## 67 BRANCHES AND SALES PARTNERS WORLDWIDE



## 4,500 EMPLOYEES WORLDWIDE



## YOUR MARKETS ARE OUR MARKETS



Chemicals



Food &  
 Beverages



Heavy  
Industry



HVAC



Refrigeration



Marine



Oil & Gas



Power

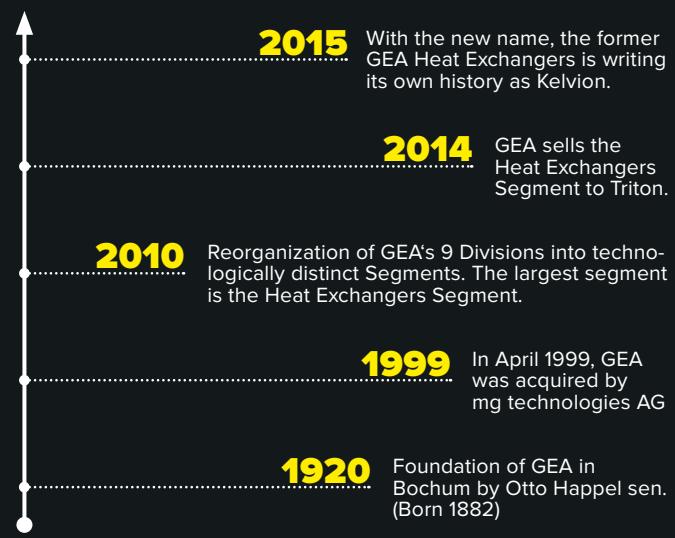


Sugar



Transportation

## KELVION HAS A LONG HISTORY





Küba SG industrial

# HIGH RANGE OF CAPACITY FOR COMPLEX REFRIGERATION APPLICATIONS



## Capacity range (for SC2)

5.4 kW           156 kW

## Temperature range ( $t_{L1}$ )

-35°C           +30°C

## Type designation code

|    |   |   |    |   |   |   |   |   |
|----|---|---|----|---|---|---|---|---|
| 1  | 2 | 3 | 4  | 5 | 6 | 7 | 8 | 9 |
| SG | A | E | 63 | A | - | F | 6 | 2 |

- 1 Model range designation
- 2 Fin spacing
- 3 Electric defrost
- 4 Fan diameter
- 5 Size

- 6 Refrigerant
- 7 Number of rows deep
- 8 Number of fans
- 9 Generation code

Refrigerant (Box 5)

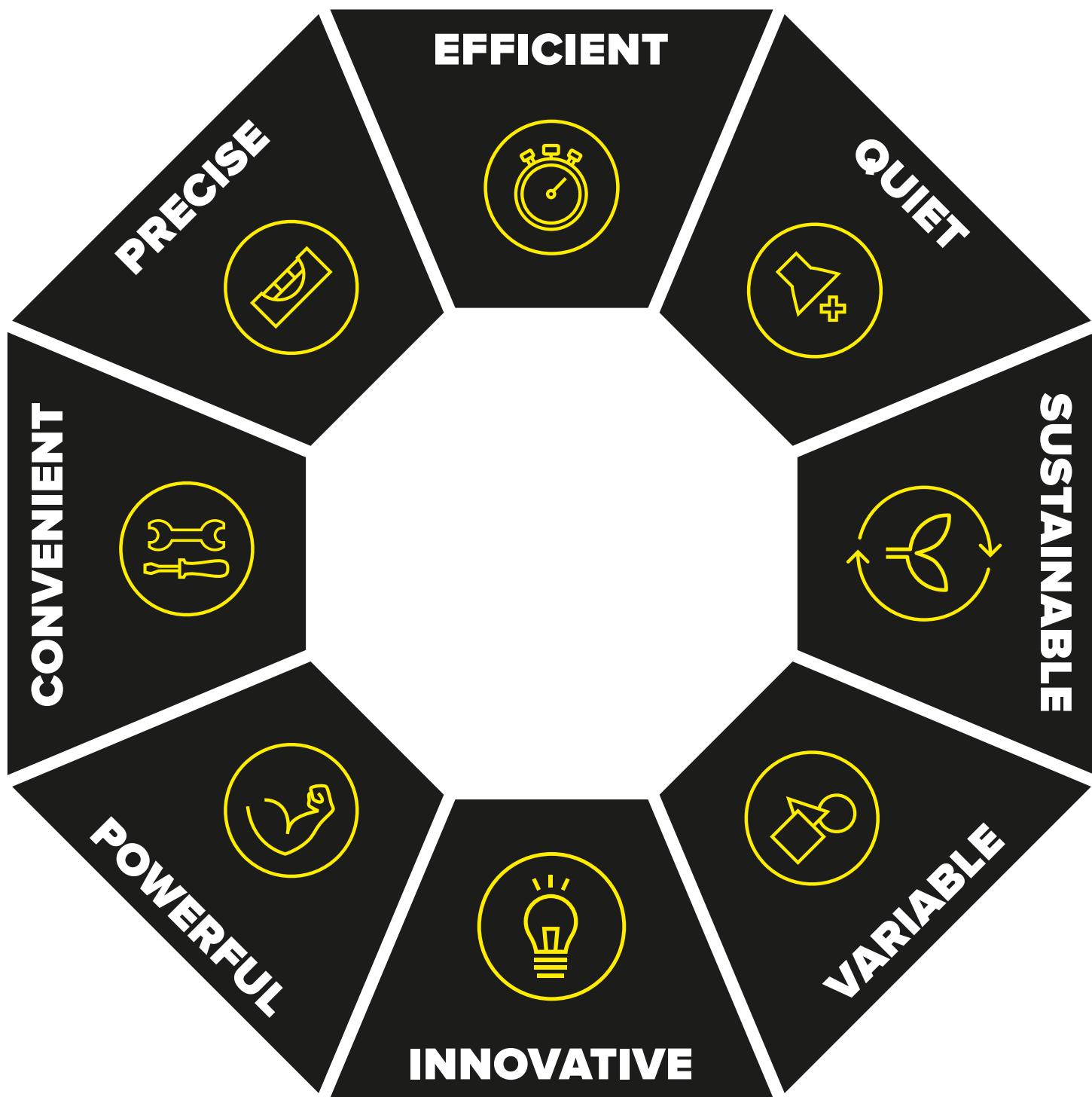
F HFC / CO<sub>2</sub>

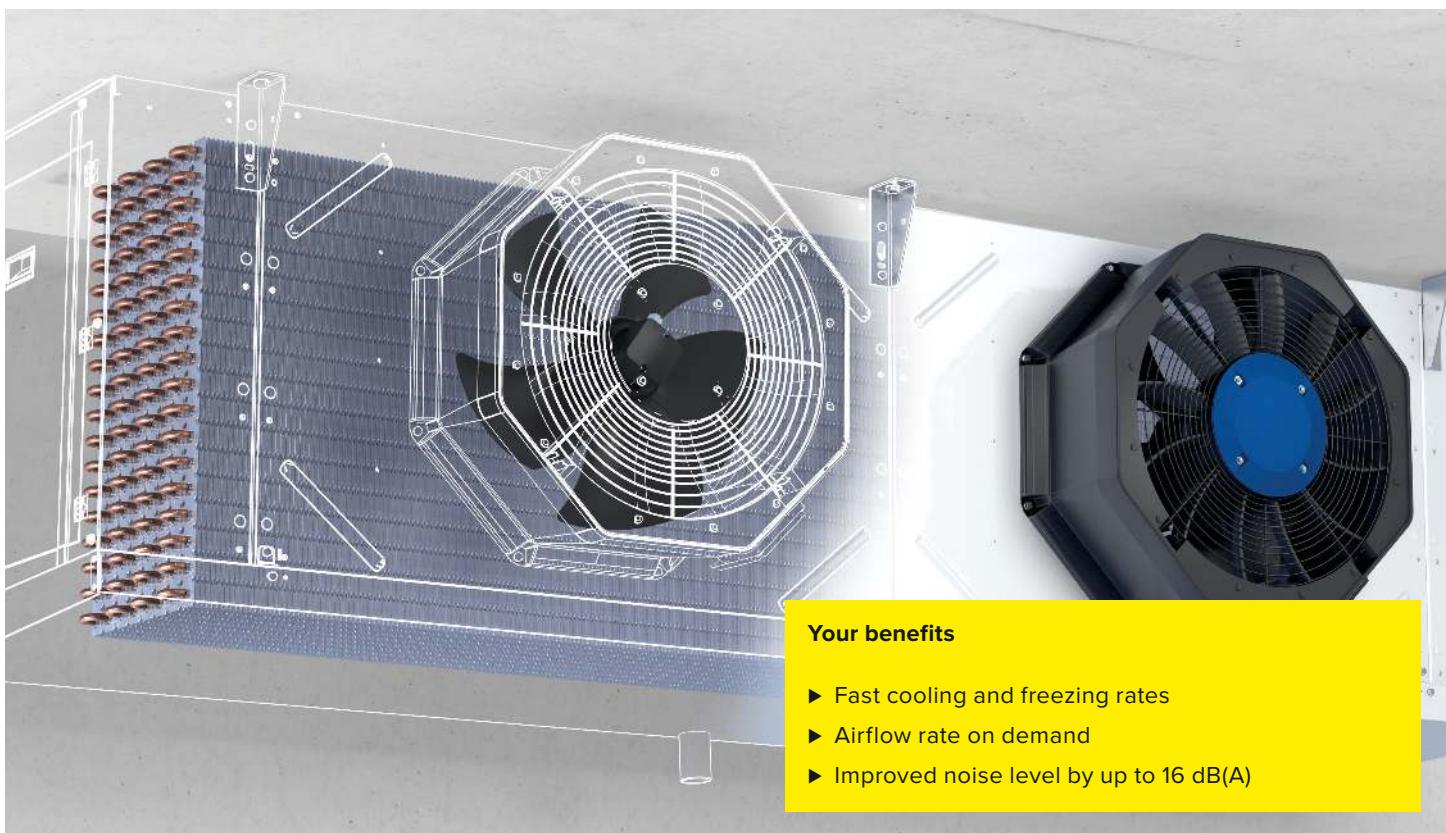
G Glycol

N Pump operation, NH<sub>3</sub>



# APPLICATION BENEFITS FOR CONTRACTORS AND OPERATORS





#### Your benefits

- ▶ Fast cooling and freezing rates
- ▶ Airflow rate on demand
- ▶ Improved noise level by up to 16 dB(A)



## PRECISE WITH EXPERIENCE

- ▶ **Exact control** of air flow rates – with 0 - 10-V linear or PWM input and rotational speed signal.
- ▶ **Highly reliable output throughout the entire application spectrum.** The Küba CAL® distributor outperforms all other forms of distributors for multi-circuited DX coils. It performs with all refrigerants across the complete temperature range. With even refrigerant distribution the expansion valve can easily be set to give the desired amount of superheat. This will ensure the system performs as per design.



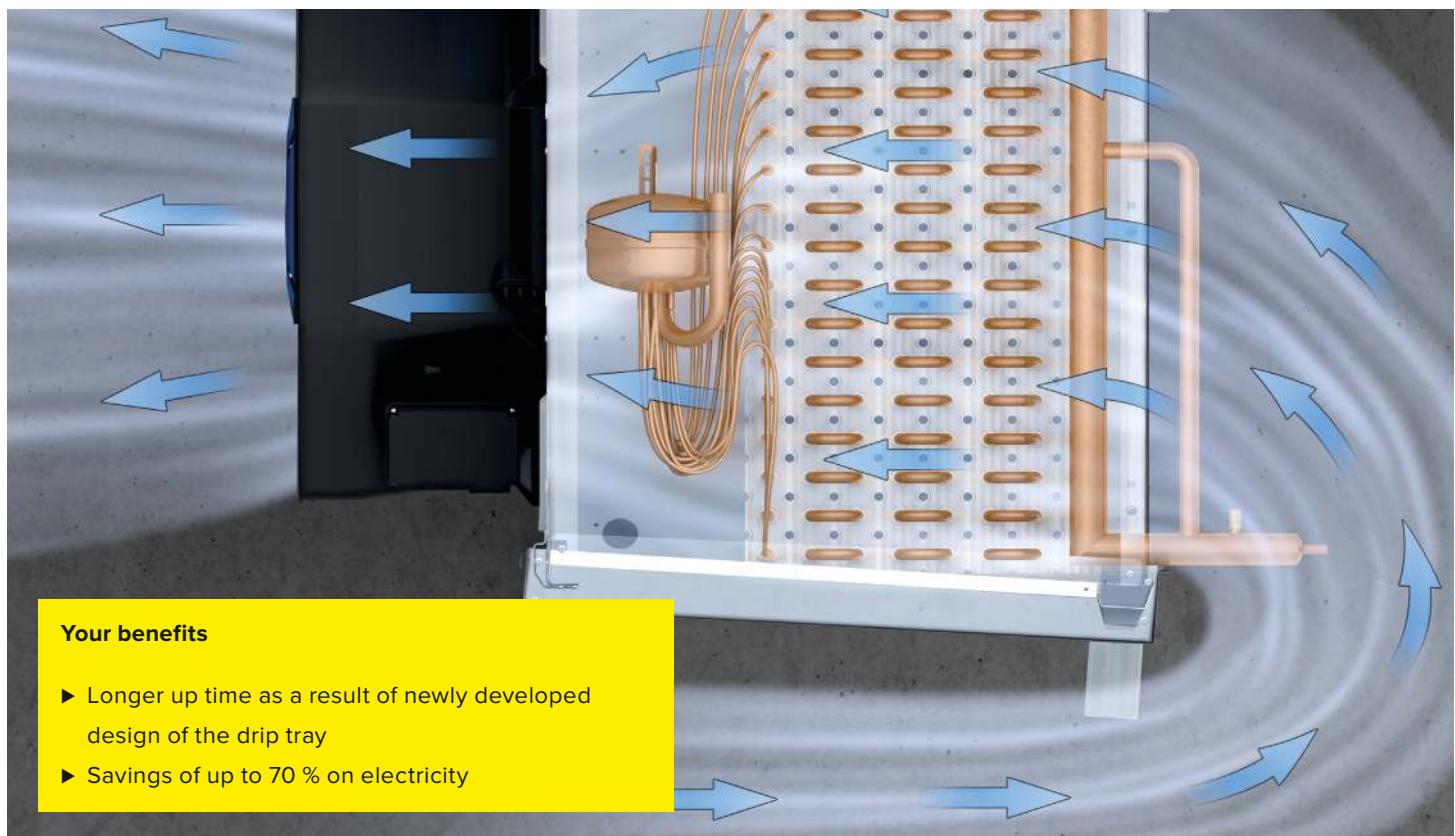
## POWERFUL IN ANY CASE

- ▶ Great performance by **circuits matched to application**
- ▶ **Optimized heat exchanger geometry:**  
Greater specific output of the heat exchanger
- ▶ **Aerodynamically integrated fan system** with air straighteners for commercial and industrial application areas. Your benefits in cold rooms: strong and focused air flow with **larger air flow rates** and **greater air throw** enable you to achieve fast cooling and freezing rates.



## QUIET IN OPERATION

- ▶ **Noise reduction of up to 16 dB(A)** in comparison to previous fans.
- ▶ **Reduced air resistance** and **greater air flow.**  
The new industrial fan system with air straightener, which is **precisely matched to the heat exchanger**.
- ▶ The first **acoustically- and aerodynamically optimized**, newly developed fan system for industrial unit cooler sizes.



## INNOVATIVE TO THE LAST DETAIL

- ▶ In addition to the fan system, **air conduction through the heat exchanger** plays a key role.
- ▶ The **flow-optimized design of the drip tray** improves air flow starting from air entry, and assures ideal air distribution.
- ▶ The constant air velocity over the entire fin surface increases **refrigerating capacity** and ensures a uniform frost build up. Improved control response with **longer up times** is the result.



## EFFICIENT ENERGY SAVING

- ▶ Efficiency means more than just a good energy-efficiency class. The new fan systems **reduce energy consumption by up to 70 % (average of 45 %)**. This is, on average two energy-efficiency classes better than before.
- ▶ Owing to the optimal fin structure of the Küba-HFE® system, **optimized heat exchanger design** enables **stable control** at minimal temperature differences – also in the part-load range.



#### Your benefits

- ▶ Ease of installation and service work
- ▶ 64,000 configuration variants
- ▶ Reduced CO<sub>2</sub> emissions



## SUSTAINABLE IMPRESSIVELY

▶ Quieter, more efficient, more powerful: the new SG Industrial sets standards with its energy efficiency, air throw, and efficiency. These benefits **enhance cost effectiveness with sustainability** – two factors that determine the entire life cycle of Küba air coolers: beginning with production, including environmentally friendly packing, and extending to recycling. **Impressively sustainable!**



## CONVENIENT IN OPERATION

- ▶ Thanks to its **hinged drip tray** and optional **hinged fans**, the new Küba SG Industrial can be simply and completely cleaned.
- ▶ The optional **hinged side panels** are new: they make installation, service, and measurements easier. Simply open the panels and go to work.
- ▶ The units are packed and delivered **in installation position**, with assembled drip tray.



## VARIABLE IN CONFIGURATION

- ▶ The SG Industrial is an adaptability artist. With its **64,000 possible configuration possibilities**, the SG Industrial can be designed spot-on for the most demanding refrigeration tasks.
- ▶ This High Performance Aircooler is available for both air flow directions (**draw-through and blow-through**). As a result, the new SG Industrial can be flexibly and effectively designed for individual refrigeration requirements – especially for complex applications.



Küba SG industrial

# BASIC VERSION



## CASING

- ▶ Sendzimir zinc-plated steel
- ▶ Best quality powder coated edges thanks to high-grade powder coating, RAL 9010 pure white
- ▶ Food-safe
- ▶ Smooth surfaces: Easy to clean
- ▶ Hinged drip tray
- ▶ Side panels removable
- ▶ Flow-optimized design of the drip tray
- ▶ Drip tray: additional integrated splash pan

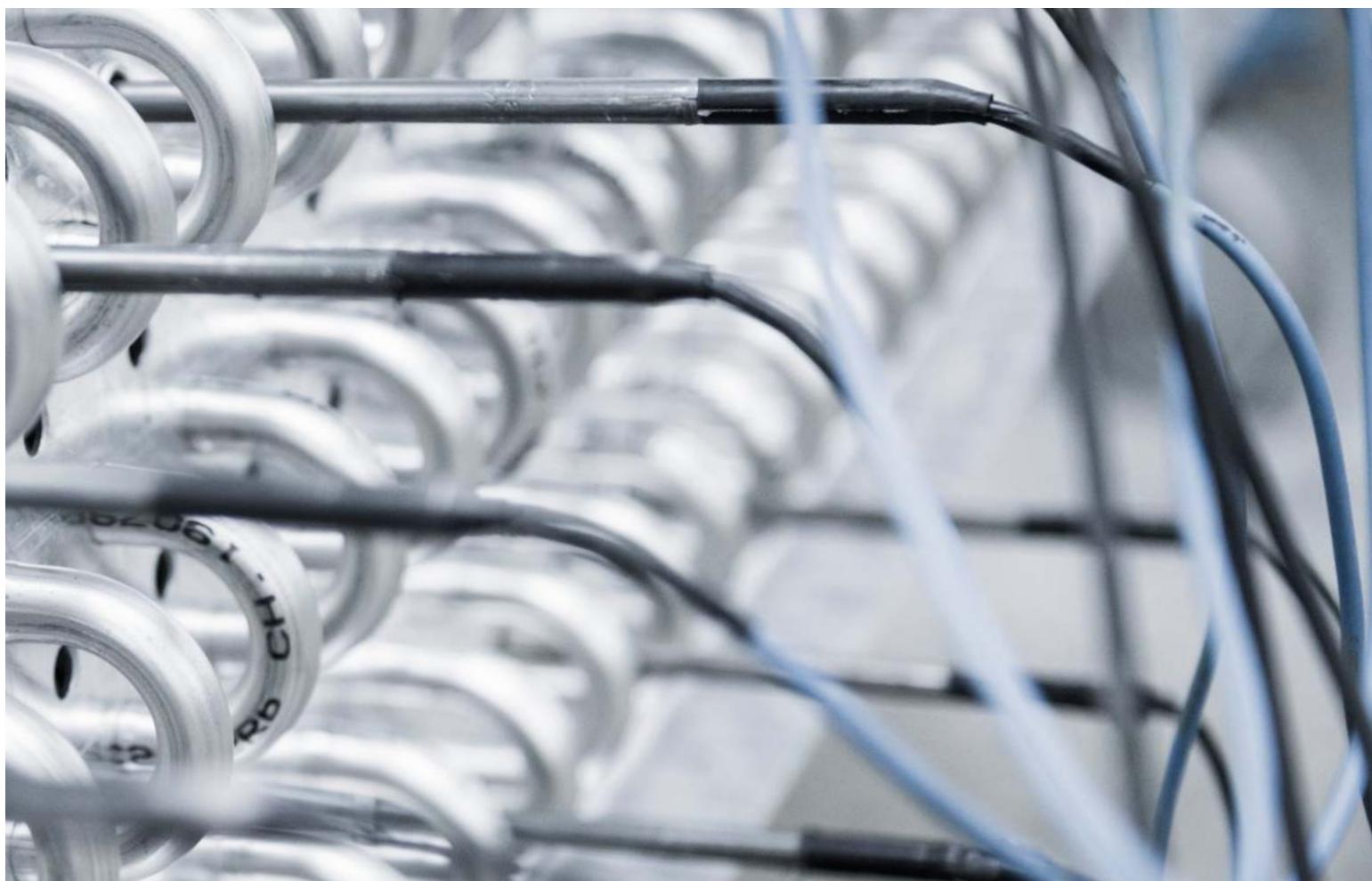
## HEAT EXCHANGER

- ▶ Tube: Copper, inner finned, Ø 15 mm
- ▶ Fins: Aluminum HFE® fins
- ▶ End plates: Aluminum
- ▶ Aligned tube system
- ▶ Fin spacing:
  - A = 4.5 mm
  - B = 7.0 mm
  - K = 10.0 mm
  - L = 12.0 mm
- ▶ Fins flared to form-fit the core tube
- ▶ Internal cleanliness according to DIN 14276
- ▶ Connection Inlet:  
Küba CAL® distributor with multiple injection, sealed
- ▶ Connection Outlet:  
Copper pipe for solder connection with schrader valve UNF 7/16“, sealed

## ELECTRIC DEFROST

- ▶ Tubular heater: Stainless steel
- ▶ Connections: steam-proof
- ▶ Mains voltage: 1/N/PE 230V 50/60Hz
- ▶ Readily wired for connection box
- ▶ Optimized tubular heater configurations ensure fast and even defrosting
- ▶ Aluminum tube sleeves: Ensure excellent heat transfer to the fins and thus effective defrosting cycles with optimized service life
- ▶ Thanks to those tube sleeves electric defrost can be refitted later on

- ▶ **Series SG-G: Glycol**  
Tube: Cu smooth  
Fins: Aluminum  
End plates: Aluminum
- ▶ **Series SG-N: with pump /NH<sub>3</sub>**  
Tube: VA smooth  
Fins: Aluminum  
End plates: Aluminum



## FAN UNIT

- ▶ AC technology (EC as a variant)
  - ▶ Draw-through or blow-through axial fan
  - ▶ Fan diameter: 500 | 630 | 800 mm
  - ▶ Permissible motor ambient temperatures (Standard) from -40°C up to +40°C  
(depends on model: for details visit [select.kueba.com](http://select.kueba.com))
  - ▶ Supply voltage:  
SG 50A: 3/PE 400V 50/60Hz | Δ  
SG 63A/B: 3/PE 400V 50 Hz | Y  
SG 80A/B: 3/PE 400V 50 Hz | Δ
  - ▶ Motor protection: Built-in thermal contact (accessible)
  - ▶ Protection class: IP 54
  - ▶ Insulation class: F
  - ▶ Standard fan units offer discharge vanes, diffuser and touch protection
  - ▶ Controller:  
Phase control   
Transformer   
Delta/star Variant V1.04  
Frequency converter\*
- \* Note: An all-pole sine filter (phase-phase and phase-earth) has to be used

## MOTOR LABEL DATA

| Type       | Ø mm | 50 Hz |       |     |     |      |      |
|------------|------|-------|-------|-----|-----|------|------|
|            |      | Δ rpm | Y rpm | Δ W | Y W | Δ A  | Y A  |
| SG 50A B   | 500  | 930   | -     | 250 | -   | 0,64 | -    |
| SG 63A/B B | 630  | -     | 700   | -   | 375 | -    | 0,69 |
| SG 80A/B B | 800  | 675   | -     | 850 | -   | 2,3  | -    |

| Type       | Ø mm | 60 Hz |       |              |     |      |     |
|------------|------|-------|-------|--------------|-----|------|-----|
|            |      | Δ rpm | Y rpm | Δ W          | Y W | Δ A  | Y A |
| SG 50A B   | 500  | 1050  | -     | 360          | -   | 0,74 | -   |
| SG 63A/B B | 630  |       |       | Upon request |     |      |     |
| SG 80A/B B | 800  |       |       | Upon request |     |      |     |

Motor data per fan

Data provided by the manufacturer

Please observe the manufacturer's information!



# TECHNICAL DATA SGA (E)

Küba SG industrial | Fin spacing 4.5 mm

| Type          | Rating Q <sub>o</sub> at 50 Hz, DT1, R404A |       | Cooling surface | Air flow          | Air throw* | Tube volume     | Connections           |                       | Sound L <sub>WA</sub> | Fans (Operational values at 50 Hz) |                           |                   |       |      |  |
|---------------|--|-------|-----------------|-------------------|------------|-----------------|-----------------------|-----------------------|-----------------------|------------------------------------|---------------------------|-------------------|-------|------|--|
|               | SC1  | SC2   |                 |                   |            |                 | Inlet Ømm             | Outlet Ømm            |                       | Blade Ømm                          | Current 400± 10% V-3 50Hz | Per aircooler rpm | W     | A    |  |
|               | kW   | kW    | m <sup>2</sup>  | m <sup>3</sup> /h | m          | dm <sup>3</sup> |                       |                       |                       |                                    |                           |                   |       |      |  |
| SGA 50A-F41 B | 15.8                                       | 9.9   | 67.3            | 5,340             | 26         | 10.9            | 12x1.0                | 28x1.5                | 74                    | 500                                | Δ 400 V-3                 | 941               | 219   | 0.60 |  |
| SGA 50A-F61 B | 17.0                                       | 11.1  | 100.6           | 5,030             | 25         | 16.4            | 15x1.0                | 35x1.5                | 74                    | 500                                | Δ 400 V-3                 | 941               | 219   | 0.60 |  |
| SGA 50A-F81 B | 18.1                                       | 12.1  | 133.9           | 4,720             | 23         | 21.6            | 15x1.0                | 35x1.5                | 74                    | 500                                | Δ 400 V-3                 | 941               | 219   | 0.60 |  |
| SGA 63A-F41 B | 20.7                                       | 13.4  | 87.9            | 7,390             | 30         | 14.3            | 12x1.0                | 35x1.5                | 71                    | 630                                | Y 400 V-3                 | 744               | 341   | 0.63 |  |
| SGA 63A-F61 B | 24.2                                       | 15.9  | 131.4           | 6,820             | 28         | 21.1            | 15x1.0                | 35x1.5                | 71                    | 630                                | Y 400 V-3                 | 744               | 341   | 0.63 |  |
| SGA 63A-F81 B | 25.3                                       | 16.2  | 174.9           | 6,430             | 26         | 27.9            | 15x1.0                | 35x1.5                | 71                    | 630                                | Y 400 V-3                 | 744               | 341   | 0.63 |  |
| SGA 63B-F41 B | 22.5                                       | 14.5  | 115.4           | 8,060             | 33         | 18.5            | 12x1.0                | 35x1.5                | 72                    | 630                                | Y 400 V-3                 | 755               | 332   | 0.62 |  |
| SGA 63B-F61 B | 26.9                                       | 17.6  | 172.5           | 7,570             | 31         | 27.4            | 15x1.0                | 35x1.5                | 72                    | 630                                | Y 400 V-3                 | 755               | 332   | 0.62 |  |
| SGA 63B-F81 B | 29.2                                       | 18.7  | 229.6           | 7,170             | 29         | 36.8            | 22x1.0                | 42x1.5                | 72                    | 630                                | Y 400 V-3                 | 755               | 332   | 0.62 |  |
| SGA 80A-F41 B | 36.7                                       | 23.6  | 139.4           | 15,000            | 48         | 22.8            | 15x1.0                | 42x1.5                | 74                    | 800                                | Δ 400 V-3                 | 682               | 759   | 2.06 |  |
| SGA 80A-F61 B | 44.3                                       | 29.0  | 208.4           | 13,640            | 44         | 33.6            | 22x1.0                | 42x1.5                | 74                    | 800                                | Δ 400 V-3                 | 682               | 759   | 2.06 |  |
| SGA 80A-F81 B | 47.0                                       | 30.8  | 277.4           | 12,390            | 39         | 44.3            | 22x1.0                | 42x1.5                | 74                    | 800                                | Δ 400 V-3                 | 682               | 759   | 2.06 |  |
| SGA 80B-F41 B | 43.0                                       | 28.0  | 175.8           | 15,700            | 50         | 28.4            | 15x1.0                | 42x1.5                | 75                    | 800                                | Δ 400 V-3                 | 684               | 728   | 2.00 |  |
| SGA 80B-F61 B | 52.2                                       | 34.2  | 262.8           | 15,080            | 48         | 42.1            | 22x1.0                | 42x1.5                | 75                    | 800                                | Δ 400 V-3                 | 684               | 728   | 2.00 |  |
| SGA 80B-F81 B | 55.9                                       | 34.9  | 349.8           | 14,350            | 46         | 56.4            | 22x1.0                | 54x2.0                | 75                    | 800                                | Δ 400 V-3                 | 684               | 728   | 2.00 |  |
| SGA 50A-F42 B | 31.7                                       | 20.7  | 134.6           | 10,680            | 32         | 21.0            | 15x1.0                | 35x1.5                | 77                    | 500                                | Δ 400 V-3                 | 941               | 438   | 1.20 |  |
| SGA 50A-F62 B | 34.3                                       | 22.4  | 201.2           | 10,060            | 30         | 31.5            | 15x1.0                | 42x1.5                | 77                    | 500                                | Δ 400 V-3                 | 941               | 438   | 1.20 |  |
| SGA 50A-F82 B | 36.5                                       | 24.4  | 267.8           | 9,440             | 29         | 41.8            | 22x1.0                | 42x1.5                | 77                    | 500                                | Δ 400 V-3                 | 941               | 438   | 1.20 |  |
| SGA 63A-F42 B | 41.9                                       | 27.3  | 175.8           | 14,780            | 35         | 27.6            | 15x1.0                | 42x1.5                | 74                    | 630                                | Y 400 V-3                 | 744               | 682   | 1.26 |  |
| SGA 63A-F62 B | 48.9                                       | 32.1  | 262.8           | 13,640            | 33         | 41.0            | 22x1.0                | 42x1.5                | 74                    | 630                                | Y 400 V-3                 | 744               | 682   | 1.26 |  |
| SGA 63A-F82 B | 50.8                                       | 32.6  | 349.8           | 12,860            | 31         | 54.9            | 22x1.0                | 54x2.0                | 74                    | 630                                | Y 400 V-3                 | 744               | 682   | 1.26 |  |
| SGA 63B-F42 B | 47.6                                       | 31.1  | 230.8           | 16,120            | 38         | 36.1            | 22x1.0                | 42x1.5                | 75                    | 630                                | Y 400 V-3                 | 755               | 664   | 1.24 |  |
| SGA 63B-F62 B | 53.4                                       | 35.3  | 345.0           | 15,140            | 36         | 54.1            | 22x1.0                | 54x2.0                | 75                    | 630                                | Y 400 V-3                 | 755               | 664   | 1.24 |  |
| SGA 63B-F82 B | 58.7                                       | 37.7  | 459.1           | 14,340            | 34         | 71.5            | 22x1.0                | 54x2.0                | 75                    | 630                                | Y 400 V-3                 | 755               | 664   | 1.24 |  |
| SGA 80A-F42 B | 78.1                                       | 50.7  | 278.9           | 30,000            | 53         | 44.3            | 22x1.0                | 54x2.0                | 77                    | 800                                | Δ 400 V-3                 | 682               | 1,518 | 4.12 |  |
| SGA 80A-F62 B | 92.3                                       | 60.5  | 416.8           | 27,280            | 49         | 65.4            | 28x1.5                | 54x2.0                | 77                    | 800                                | Δ 400 V-3                 | 682               | 1,518 | 4.12 |  |
| SGA 80A-F82 B | 92.8                                       | 61.1  | 554.8           | 24,780            | 45         | 86.4            | 28x1.5                | 54x2.0                | 77                    | 800                                | Δ 400 V-3                 | 682               | 1,518 | 4.12 |  |
| SGA 80B-F42 B | 86.8                                       | 56.7  | 351.7           | 31,400            | 56         | 55.5            | 22x1.0                | 54x2.0                | 78                    | 800                                | Δ 400 V-3                 | 684               | 1,456 | 4.00 |  |
| SGA 80B-F62 B | 105.2                                      | 69.1  | 525.7           | 30,160            | 54         | 81.0            | 28x1.5                | 64x2.0                | 78                    | 800                                | Δ 400 V-3                 | 684               | 1,456 | 4.00 |  |
| SGA 80B-F82 B | 107.8                                      | 70.8  | 699.6           | 28,700            | 51         | 107.4           | 28x1.5                | 64x2.0                | 78                    | 800                                | Δ 400 V-3                 | 684               | 1,456 | 4.00 |  |
| SGA 50A-F43 B | 47.3                                       | 28.0  | 201.9           | 16,020            | 35         | 31.3            | 22x1.0                | 42x1.5                | 79                    | 500                                | Δ 400 V-3                 | 941               | 657   | 1.80 |  |
| SGA 50A-F63 B | 54.7                                       | 35.8  | 301.8           | 15,090            | 34         | 47.1            | 22x1.0                | 54x2.0                | 79                    | 500                                | Δ 400 V-3                 | 941               | 657   | 1.80 |  |
| SGA 50A-F83 B | 55.7                                       | 36.9  | 401.7           | 14,160            | 32         | 62.2            | 22x1.0                | 54x2.0                | 79                    | 500                                | Δ 400 V-3                 | 941               | 657   | 1.80 |  |
| SGA 63A-F43 B | 65.6                                       | 42.6  | 263.8           | 22,170            | 39         | 41.3            | 22x1.0                | 54x2.0                | 76                    | 630                                | Y 400 V-3                 | 744               | 1,023 | 1.89 |  |
| SGA 63A-F63 B | 72.2                                       | 47.4  | 394.2           | 20,460            | 37         | 61.1            | 22x1.0                | 54x2.0                | 76                    | 630                                | Y 400 V-3                 | 744               | 1,023 | 1.89 |  |
| SGA 63A-F83 B | 74.4                                       | 46.7  | 524.7           | 19,290            | 35         | 80.9            | 22x1.0                | 54x2.0                | 76                    | 630                                | Y 400 V-3                 | 744               | 1,023 | 1.89 |  |
| SGA 63B-F43 B | 69.0                                       | 44.6  | 346.2           | 24,180            | 42         | 53.8            | 22x1.0                | 54x2.0                | 77                    | 630                                | Y 400 V-3                 | 755               | 996   | 1.86 |  |
| SGA 63B-F63 B | 81.9                                       | 53.8  | 517.4           | 22,710            | 40         | 79.7            | 22x1.0                | 54x2.0                | 77                    | 630                                | Y 400 V-3                 | 755               | 996   | 1.86 |  |
| SGA 63B-F83 B | 84.3                                       | 56.8  | 688.7           | 21,510            | 38         | 105.7           | 28x1.5                | 54x2.0                | 77                    | 630                                | Y 400 V-3                 | 755               | 996   | 1.86 |  |
| SGA 80A-F43 B | 117.6                                      | 76.4  | 418.3           | 45,000            | 57         | 64.0            | 28x1.5                | 64x2.0                | 79                    | 800                                | Δ 400 V-3                 | 682               | 2,277 | 6.18 |  |
| SGA 80A-F63 B | 124.3                                      | 80.1  | 625.2           | 40,920            | 53         | 95.3            | 28x1.5                | 64x2.0                | 79                    | 800                                | Δ 400 V-3                 | 682               | 2,277 | 6.18 |  |
| SGA 80A-F83 B | 142.8                                      | 89.3  | 832.2           | 37,170            | 48         | 127.5           | 2 <sup>2</sup> 28x1.5 | 2 <sup>2</sup> 54x2.0 | 79                    | 800                                | Δ 400 V-3                 | 682               | 2,277 | 6.18 |  |
| SGA 80B-F43 B | 130.6                                      | 85.3  | 527.5           | 47,100            | 59         | 80.5            | 28x1.5                | 64x2.0                | 80                    | 800                                | Δ 400 V-3                 | 684               | 2,184 | 6.00 |  |
| SGA 80B-F63 B | 140.1                                      | 90.1  | 788.5           | 45,240            | 57         | 119.9           | 28x1.5                | 64x2.0                | 80                    | 800                                | Δ 400 V-3                 | 684               | 2,184 | 6.00 |  |
| SGA 80B-F83 B | 169.0                                      | 105.7 | 1049.4          | 43,050            | 55         | 160.3           | 2 <sup>2</sup> 28x1.5 | 2 <sup>2</sup> 54x2.0 | 80                    | 800                                | Δ 400 V-3                 | 684               | 2,184 | 6.00 |  |
| SGA 50A-F44 B | 63.7                                       | 41.6  | 269.3           | 21,360            | 38         | 41.8            | 22x1.0                | 54x2.0                | 80                    | 500                                | Δ 400 V-3                 | 941               | 876   | 2.40 |  |
| SGA 50A-F64 B | 69.3                                       | 45.4  | 402.5           | 20,120            | 36         | 62.0            | 22x1.0                | 54x2.0                | 80                    | 500                                | Δ 400 V-3                 | 941               | 876   | 2.40 |  |
| SGA 50A-F84 B | 73.1                                       | 48.9  | 535.6           | 18,880            | 35         | 82.1            | 28x1.5                | 54x2.0                | 80                    | 500                                | Δ 400 V-3                 | 941               | 876   | 2.40 |  |
| SGA 63A-F44 B | 84.3                                       | 55.0  | 351.7           | 29,560            | 41         | 54.3            | 22x1.0                | 54x2.0                | 77                    | 630                                | Y 400 V-3                 | 744               | 1,364 | 2.52 |  |
| SGA 63A-F64 B | 88.5                                       | 57.1  | 525.7           | 27,280            | 39         | 80.5            | 22x1.0                | 54x2.0                | 77                    | 630                                | Y 400 V-3                 | 744               | 1,364 | 2.52 |  |
| SGA 63A-F84 B | 103.2                                      | 65.5  | 699.6           | 25,720            | 37         | 106.1           | 2 <sup>2</sup> 22x1.0 | 2 <sup>2</sup> 42x1.5 | 77                    | 630                                | Y 400 V-3                 | 744               | 1,364 | 2.52 |  |
| SGA 63B-F44 B | 95.9                                       | 62.6  | 461.6           | 32,240            | 44         | 70.8            | 22x1.0                | 54x2.0                | 78                    | 630                                | Y 400 V-3                 | 755               | 1,328 | 2.48 |  |
| SGA 63B-F64 B | 112.1                                      | 73.9  | 689.9           | 30,280            | 42         | 104.5           | 28x1.5                | 64x2.0                | 78                    | 630                                | Y 400 V-3                 | 755               | 1,328 | 2.48 |  |
| SGA 63B-F84 B | 117.9                                      | 75.7  | 918.2           | 28,680            | 40         | 139.5           | 2 <sup>2</sup> 22x1.0 | 2 <sup>2</sup> 54x2.0 | 78                    | 630                                | Y 400 V-3                 | 755               | 1,328 | 2.48 |  |
| SGA 80A-F44 B | 162.5                                      | 91.7  | 557.8           | 60,000            | 59         | 85.5            | 2 <sup>2</sup> 28x1.5 | 2 <sup>2</sup> 54x2.0 | 80                    | 800                                | Δ 400 V-3                 | 682               | 3,036 | 8.24 |  |
| SGA 80A-F64 B | 172.9                                      | 112.4 | 833.7           | 54,560            | 55         | 126.9           | 2 <sup>2</sup> 22x1.0 | 2 <sup>2</sup> 54x2.0 | 80                    | 800                                | Δ 400 V-3                 | 682               | 3,036 | 8.24 |  |
| SGA 80A-F84 B | 186.5                                      | 123.0 | 1109.5          | 49,560            | 51         | 168.7           | 2 <sup>2</sup> 28x1.5 | 2 <sup>2</sup> 54x2.0 | 80                    | 800                                | Δ 400 V-3                 | 682               | 3,036 | 8.24 |  |
| SGA 80B-F44 B | 174.5                                      | 100.8 | 659.4           | 61,880            | 61         | 100.9           | 2 <sup>2</sup> 28x1.5 | 2 <sup>2</sup> 54x2.0 | 81                    | 800                                | Δ 400 V-3                 | 684               | 2,912 | 8.00 |  |
| SGA 80B-F64 B | 193.6                                      | 126.4 | 985.6           | 59,400            | 59         | 149.9           | 2 <sup>2</sup> 22x1.0 | 2 <sup>2</sup> 54x2.0 | 81                    | 800                                | Δ 400 V-3                 | 684               | 2,912 | 8.00 |  |
| SGA 80B-F84 B | 210.4                                      | 138.9 | 1311.8          | 55,320            | 56         | 199.2           | 2 <sup>2</sup> 28x1.5 | 2 <sup>2</sup> 54x2.0 | 81                    | 800                                | Δ 400 V-3                 | 684               | 2,912 | 8.00 |  |
| SGA 50A       |  |       |                 |                   |            |                 |                       |                       |                       |                                    |                           |                   |       |      |  |



# TECHNICAL DATA SGB (E)

Küba SG industrial | Fin spacing 7 mm

| Type          | Rating Q <sub>o</sub> at 50 Hz, DT1, R404A |      | Cooling surface | Air flow          | Air throw* | Tube volume     | Connections |          | Sound | Fans (Operational values at 50 Hz) |                   |     |       |      |  |
|---------------|--|------|-----------------|-------------------|------------|-----------------|-------------|----------|-------|------------------------------------|-------------------|-----|-------|------|--|
|               | SC2  | SC3  |                 |                   |            |                 | Inlet       | Outlet   |       | Ømm                                | 400± 10% V-3 50Hz | rpm | W     | A    |  |
|               | kW   | kW   | m <sup>2</sup>  | m <sup>3</sup> /h | m          | dm <sup>3</sup> | Ømm         | Ømm      | dB(A) | Ømm                                | 400± 10% V-3 50Hz | rpm | W     | A    |  |
| SGB 50A-F41 B | 7.2  | 5.5  | 44.3            | 5,660             | 28         | 10.9            | 12x1.0      | 28x1.5   | 74    | 500                                | Δ 400 V-3         | 941 | 219   | 0.60 |  |
| SGB 50A-F61 B | 9.4  | 7.2  | 66.3            | 5,470             | 27         | 16.4            | 15x1.0      | 35x1.5   | 74    | 500                                | Δ 400 V-3         | 941 | 219   | 0.60 |  |
| SGB 50A-F81 B | 10.9                                       | 8.4  | 88.2            | 5,290             | 26         | 21.6            | 15x1.0      | 35x1.5   | 74    | 500                                | Δ 400 V-3         | 941 | 219   | 0.60 |  |
| SGB 63A-F41 B | 10.8                                       | 7.2  | 57.9            | 8,140             | 33         | 14.3            | 12x1.0      | 35x1.5   | 71    | 630                                | Y 400 V-3         | 744 | 341   | 0.63 |  |
| SGB 63A-F61 B | 12.8                                       | 9.5  | 86.6            | 7,680             | 31         | 21.1            | 15x1.0      | 35x1.5   | 71    | 630                                | Y 400 V-3         | 744 | 341   | 0.63 |  |
| SGB 63A-F81 B | 14.7                                       | 11.2 | 115.2           | 7,290             | 29         | 27.9            | 15x1.0      | 35x1.5   | 71    | 630                                | Y 400 V-3         | 744 | 341   | 0.63 |  |
| SGB 63B-F41 B | 12.0                                       | 8.0  | 76.0            | 8,570             | 35         | 18.5            | 12x1.0      | 35x1.5   | 72    | 630                                | Y 400 V-3         | 755 | 332   | 0.62 |  |
| SGB 63B-F61 B | 15.4                                       | 10.4 | 113.6           | 8,270             | 33         | 27.4            | 15x1.0      | 35x1.5   | 72    | 630                                | Y 400 V-3         | 755 | 332   | 0.62 |  |
| SGB 63B-F81 B | 17.0                                       | 12.9 | 151.2           | 7,970             | 32         | 36.8            | 22x1.0      | 42x1.5   | 72    | 630                                | Y 400 V-3         | 755 | 332   | 0.62 |  |
| SGB 80A-F41 B | 19.2                                       | 13.0 | 91.8            | 16,010            | 51         | 22.8            | 15x1.0      | 42x1.5   | 74    | 800                                | Δ 400 V-3         | 682 | 759   | 2.06 |  |
| SGB 80A-F61 B | 24.9                                       | 16.6 | 137.3           | 15,280            | 49         | 33.6            | 22x1.0      | 42x1.5   | 74    | 800                                | Δ 400 V-3         | 682 | 759   | 2.06 |  |
| SGB 80A-F81 B | 28.1                                       | 20.1 | 182.7           | 14,850            | 47         | 44.3            | 22x1.0      | 42x1.5   | 74    | 800                                | Δ 400 V-3         | 682 | 759   | 2.06 |  |
| SGB 80B-F41 B | 22.2                                       | 14.7 | 115.8           | 16,820            | 54         | 28.4            | 15x1.0      | 42x1.5   | 75    | 800                                | Δ 400 V-3         | 684 | 728   | 2.00 |  |
| SGB 80B-F61 B | 26.4                                       | 19.6 | 173.1           | 16,120            | 52         | 42.1            | 22x1.0      | 42x1.5   | 75    | 800                                | Δ 400 V-3         | 684 | 728   | 2.00 |  |
| SGB 80B-F81 B | 30.7                                       | 23.4 | 230.4           | 15,560            | 50         | 56.4            | 22x1.0      | 54x2.0   | 75    | 800                                | Δ 400 V-3         | 684 | 728   | 2.00 |  |
| SGB 50A-F42 B | 14.6                                       | 11.0 | 88.7            | 11,320            | 33         | 21.0            | 15x1.0      | 35x1.5   | 77    | 500                                | Δ 400 V-3         | 941 | 438   | 1.20 |  |
| SGB 50A-F62 B | 19.6                                       | 13.0 | 132.5           | 10,940            | 32         | 31.5            | 15x1.0      | 42x1.5   | 77    | 500                                | Δ 400 V-3         | 941 | 438   | 1.20 |  |
| SGB 50A-F82 B | 21.8                                       | 17.0 | 176.4           | 10,580            | 32         | 41.8            | 22x1.0      | 42x1.5   | 77    | 500                                | Δ 400 V-3         | 941 | 438   | 1.20 |  |
| SGB 63A-F42 B | 21.9                                       | 14.6 | 115.8           | 16,280            | 38         | 27.6            | 15x1.0      | 42x1.5   | 74    | 630                                | Y 400 V-3         | 744 | 682   | 1.26 |  |
| SGB 63A-F62 B | 25.7                                       | 19.3 | 173.1           | 15,360            | 37         | 41.0            | 22x1.0      | 42x1.5   | 74    | 630                                | Y 400 V-3         | 744 | 682   | 1.26 |  |
| SGB 63A-F82 B | 29.5                                       | 22.7 | 230.4           | 14,580            | 35         | 54.9            | 22x1.0      | 54x2.0   | 74    | 630                                | Y 400 V-3         | 744 | 682   | 1.26 |  |
| SGB 63B-F42 B | 24.9                                       | 16.7 | 152.0           | 17,140            | 40         | 36.1            | 22x1.0      | 42x1.5   | 75    | 630                                | Y 400 V-3         | 755 | 664   | 1.24 |  |
| SGB 63B-F62 B | 29.9                                       | 23.2 | 227.2           | 16,540            | 39         | 54.1            | 22x1.0      | 54x2.0   | 75    | 630                                | Y 400 V-3         | 755 | 664   | 1.24 |  |
| SGB 63B-F82 B | 34.2                                       | 26.1 | 302.4           | 15,940            | 38         | 71.5            | 22x1.0      | 54x2.0   | 75    | 630                                | Y 400 V-3         | 755 | 664   | 1.24 |  |
| SGB 80A-F42 B | 40.0                                       | 26.2 | 183.7           | 32,020            | 57         | 44.3            | 22x1.0      | 54x2.0   | 77    | 800                                | Δ 400 V-3         | 682 | 1,518 | 4.12 |  |
| SGB 80A-F62 B | 46.8                                       | 35.0 | 274.5           | 30,560            | 54         | 65.4            | 28x1.5      | 54x2.0   | 77    | 800                                | Δ 400 V-3         | 682 | 1,518 | 4.12 |  |
| SGB 80A-F82 B | 58.0                                       | 39.1 | 365.4           | 29,700            | 53         | 86.4            | 28x1.5      | 54x2.0   | 77    | 800                                | Δ 400 V-3         | 682 | 1,518 | 4.12 |  |
| SGB 80B-F42 B | 44.7                                       | 29.8 | 231.6           | 33,640            | 59         | 55.5            | 22x1.0      | 54x2.0   | 78    | 800                                | Δ 400 V-3         | 684 | 1,456 | 4.00 |  |
| SGB 80B-F62 B | 53.1                                       | 39.7 | 346.2           | 32,240            | 57         | 81.0            | 28x1.5      | 64x2.0   | 78    | 800                                | Δ 400 V-3         | 684 | 1,456 | 4.00 |  |
| SGB 80B-F82 B | 64.2                                       | 43.5 | 460.8           | 31,120            | 55         | 107.4           | 28x1.5      | 64x2.0   | 78    | 800                                | Δ 400 V-3         | 684 | 1,456 | 4.00 |  |
| SGB 50A-F43 B | 21.8                                       | 16.6 | 133.0           | 16,980            | 37         | 31.3            | 22x1.0      | 42x1.5   | 79    | 500                                | Δ 400 V-3         | 941 | 657   | 1.80 |  |
| SGB 50A-F63 B | 28.3                                       | 21.5 | 198.8           | 16,410            | 36         | 47.1            | 22x1.0      | 54x2.0   | 79    | 500                                | Δ 400 V-3         | 941 | 657   | 1.80 |  |
| SGB 50A-F83 B | 33.1                                       | 23.7 | 264.6           | 15,870            | 35         | 62.2            | 22x1.0      | 54x2.0   | 79    | 500                                | Δ 400 V-3         | 941 | 657   | 1.80 |  |
| SGB 63A-F43 B | 30.1                                       | 22.9 | 173.7           | 24,420            | 42         | 41.3            | 22x1.0      | 54x2.0   | 76    | 630                                | Y 400 V-3         | 744 | 1,023 | 1.89 |  |
| SGB 63A-F63 B | 41.1                                       | 28.3 | 259.7           | 23,040            | 40         | 61.1            | 22x1.0      | 54x2.0   | 76    | 630                                | Y 400 V-3         | 744 | 1,023 | 1.89 |  |
| SGB 63A-F83 B | 45.1                                       | 30.5 | 345.6           | 21,870            | 38         | 80.9            | 22x1.0      | 54x2.0   | 76    | 630                                | Y 400 V-3         | 744 | 1,023 | 1.89 |  |
| SGB 63B-F43 B | 36.9                                       | 25.0 | 228.0           | 25,710            | 44         | 53.8            | 22x1.0      | 54x2.0   | 77    | 630                                | Y 400 V-3         | 755 | 996   | 1.86 |  |
| SGB 63B-F63 B | 46.8                                       | 32.2 | 340.8           | 24,810            | 42         | 79.7            | 22x1.0      | 54x2.0   | 77    | 630                                | Y 400 V-3         | 755 | 996   | 1.86 |  |
| SGB 63B-F83 B | 51.1                                       | 38.2 | 453.6           | 23,910            | 41         | 105.7           | 28x1.5      | 54x2.0   | 77    | 630                                | Y 400 V-3         | 755 | 996   | 1.86 |  |
| SGB 80A-F43 B | 60.1                                       | 39.5 | 275.5           | 48,030            | 60         | 64.0            | 28x1.5      | 64x2.0   | 79    | 800                                | Δ 400 V-3         | 682 | 2,277 | 6.18 |  |
| SGB 80A-F63 B | 71.8                                       | 48.4 | 411.8           | 45,840            | 58         | 95.3            | 28x1.5      | 64x2.0   | 79    | 800                                | Δ 400 V-3         | 682 | 2,277 | 6.18 |  |
| SGB 80A-F83 B | 82.7                                       | 63.3 | 548.1           | 44,550            | 56         | 127.5           | 2*28x1.5    | 2*54x2.0 | 79    | 800                                | Δ 400 V-3         | 682 | 2,277 | 6.18 |  |
| SGB 80B-F43 B | 67.2                                       | 45.0 | 347.4           | 50,460            | 63         | 80.5            | 28x1.5      | 64x2.0   | 80    | 800                                | Δ 400 V-3         | 684 | 2,184 | 6.00 |  |
| SGB 80B-F63 B | 79.9                                       | 53.4 | 519.3           | 48,360            | 61         | 119.9           | 28x1.5      | 64x2.0   | 80    | 800                                | Δ 400 V-3         | 684 | 2,184 | 6.00 |  |
| SGB 80B-F83 B | 92.7                                       | 71.1 | 691.2           | 46,680            | 59         | 160.3           | 2*28x1.5    | 2*54x2.0 | 80    | 800                                | Δ 400 V-3         | 684 | 2,184 | 6.00 |  |
| SGB 50A-F44 B | 29.3                                       | 22.1 | 177.3           | 22,640            | 39         | 41.8            | 22x1.0      | 54x2.0   | 80    | 500                                | Δ 400 V-3         | 941 | 876   | 2.40 |  |
| SGB 50A-F64 B | 39.7                                       | 27.1 | 265.1           | 21,880            | 38         | 62.0            | 22x1.0      | 54x2.0   | 80    | 500                                | Δ 400 V-3         | 941 | 876   | 2.40 |  |
| SGB 50A-F84 B | 43.8                                       | 34.2 | 352.8           | 21,160            | 38         | 82.1            | 28x1.5      | 54x2.0   | 80    | 500                                | Δ 400 V-3         | 941 | 876   | 2.40 |  |
| SGB 63A-F44 B | 44.0                                       | 29.5 | 231.6           | 32,560            | 44         | 54.3            | 22x1.0      | 54x2.0   | 77    | 630                                | Y 400 V-3         | 744 | 1,364 | 2.52 |  |
| SGB 63A-F64 B | 52.0                                       | 35.0 | 346.2           | 30,720            | 43         | 80.5            | 22x1.0      | 54x2.0   | 77    | 630                                | Y 400 V-3         | 744 | 1,364 | 2.52 |  |
| SGB 63A-F84 B | 59.3                                       | 45.7 | 460.8           | 29,160            | 41         | 106.1           | 2*22x1.0    | 2*42x1.5 | 77    | 630                                | Y 400 V-3         | 744 | 1,364 | 2.52 |  |
| SGB 63B-F44 B | 50.1                                       | 33.8 | 304.0           | 34,280            | 46         | 70.8            | 22x1.0      | 54x2.0   | 78    | 630                                | Y 400 V-3         | 755 | 1,328 | 2.48 |  |
| SGB 63B-F64 B | 59.9                                       | 44.7 | 454.4           | 33,080            | 45         | 104.5           | 28x1.5      | 64x2.0   | 78    | 630                                | Y 400 V-3         | 755 | 1,328 | 2.48 |  |
| SGB 63B-F84 B | 68.7                                       | 52.6 | 604.8           | 31,880            | 44         | 139.5           | 2*22x1.0    | 2*54x2.0 | 78    | 630                                | Y 400 V-3         | 755 | 1,328 | 2.48 |  |
| SGB 80A-F44 B | 71.1                                       | 53.9 | 367.3           | 64,040            | 63         | 85.5            | 2*28x1.5    | 2*54x2.0 | 80    | 800                                | Δ 400 V-3         | 682 | 3,036 | 8.24 |  |
| SGB 80A-F64 B | 99.1                                       | 67.6 | 549.1           | 61,120            | 60         | 126.9           | 2*22x1.0    | 2*54x2.0 | 80    | 800                                | Δ 400 V-3         | 682 | 3,036 | 8.24 |  |
| SGB 80A-F84 B | 116.7                                      | 80.9 | 730.8           | 59,400            | 59         | 168.7           | 2*28x1.5    | 2*54x2.0 | 80    | 800                                | Δ 400 V-3         | 682 | 3,036 | 8.24 |  |
| SGB 80B-F44 B | 78.4                                       | 59.7 | 434.3           | 66,480            | 65         | 100.9           | 2*28x1.5    | 2*54x2.0 | 81    | 800                                | Δ 400 V-3         | 684 | 2,912 | 8.00 |  |
| SGB 80B-F64 B | 108.3                                      | 74.3 | 649.1           | 63,480            | 62         | 149.9           | 2*22x1.0    | 2*54x2.0 | 81    | 800                                | Δ 400 V-3         | 684 | 2,912 | 8.00 |  |
| SGB 80B-F84 B | 126.5                                      | 86.6 | 864.0           | 61,360            | 61         | 199.2           | 2*28x1.5    | 2*54x2   |       |                                    |                   |     |       |      |  |

# TECHNICAL DATA SGK (E)

## Küba SG industrial | Fin spacing 10 mm

| Type          | Rating Q <sub>o</sub> at 50 Hz, DT1, R404A |      |       | Cooling surface | Air flow | Air throw* | Tube volume | Connections    |                   | Sound L <sub>WA</sub> | Fans (Operational values at 50 Hz) |                           |                   |      |   |  |
|---------------|--|------|-------|-----------------|----------|------------|-------------|----------------|-------------------|-----------------------|------------------------------------|---------------------------|-------------------|------|---|--|
|               | SC2  | SC3  | kW    |                 |          |            |             | m <sup>2</sup> | m <sup>3</sup> /h |                       | Blade Ømm                          | Current 400± 10% V-3 50Hz | Per aircooler rpm | W    | A |  |
| SGK 50A-F41 B | 6.1  | 4.7  | 31.9  | 5,840           | 29       | 10.9       | 12x1.0      | 28x1.5         | 74                | 500                   | Δ 400 V-3                          | 941                       | 219               | 0.60 |   |  |
| SGK 50A-F61 B | 8.2  | 6.3  | 47.7  | 5,700           | 28       | 16.4       | 15x1.0      | 35x1.5         | 74                | 500                   | Δ 400 V-3                          | 941                       | 219               | 0.60 |   |  |
| SGK 50A-F81 B | 9.8  | 7.6  | 63.5  | 5,580           | 28       | 21.6       | 15x1.0      | 35x1.5         | 74                | 500                   | Δ 400 V-3                          | 941                       | 219               | 0.60 |   |  |
| SGK 63A-F41 B | 8.5  | 6.3  | 41.7  | 8,540           | 35       | 14.3       | 12x1.0      | 35x1.5         | 71                | 630                   | Y 400 V-3                          | 744                       | 341               | 0.63 |   |  |
| SGK 63A-F61 B | 11.4                                       | 8.5  | 62.3  | 8,230           | 33       | 21.1       | 15x1.0      | 35x1.5         | 71                | 630                   | Y 400 V-3                          | 744                       | 341               | 0.63 |   |  |
| SGK 63A-F81 B | 13.5                                       | 10.3 | 83.0  | 7,920           | 32       | 27.9       | 15x1.0      | 35x1.5         | 71                | 630                   | Y 400 V-3                          | 744                       | 341               | 0.63 |   |  |
| SGK 63B-F41 B | 10.2                                       | 6.9  | 54.7  | 8,810           | 36       | 18.5       | 12x1.0      | 35x1.5         | 72                | 630                   | Y 400 V-3                          | 755                       | 332               | 0.62 |   |  |
| SGK 63B-F61 B | 12.8                                       | 9.4  | 81.8  | 8,620           | 35       | 27.4       | 15x1.0      | 35x1.5         | 72                | 630                   | Y 400 V-3                          | 755                       | 332               | 0.62 |   |  |
| SGK 63B-F81 B | 15.3                                       | 11.5 | 108.9 | 8,430           | 34       | 36.8       | 22x1.0      | 42x1.5         | 72                | 630                   | Y 400 V-3                          | 755                       | 332               | 0.62 |   |  |
| SGK 80A-F41 B | 16.6                                       | 11.0 | 66.1  | 16,880          | 54       | 22.8       | 15x1.0      | 42x1.5         | 74                | 800                   | Δ 400 V-3                          | 682                       | 759               | 2.06 |   |  |
| SGK 80A-F61 B | 21.1                                       | 15.0 | 98.8  | 16,190          | 52       | 33.6       | 22x1.0      | 42x1.5         | 74                | 800                   | Δ 400 V-3                          | 682                       | 759               | 2.06 |   |  |
| SGK 80A-F81 B | 24.6                                       | 18.4 | 131.6 | 15,640          | 50       | 44.3       | 22x1.0      | 42x1.5         | 74                | 800                   | Δ 400 V-3                          | 682                       | 759               | 2.06 |   |  |
| SGK 80B-F41 B | 17.3                                       | 12.8 | 83.4  | 17,430          | 56       | 28.4       | 15x1.0      | 42x1.5         | 75                | 800                   | Δ 400 V-3                          | 684                       | 728               | 2.00 |   |  |
| SGK 80B-F61 B | 24.2                                       | 16.1 | 124.7 | 16,950          | 54       | 42.1       | 22x1.0      | 42x1.5         | 75                | 800                   | Δ 400 V-3                          | 684                       | 728               | 2.00 |   |  |
| SGK 80B-F81 B | 28.0                                       | 19.8 | 165.9 | 16,500          | 53       | 56.4       | 22x1.0      | 54x2.0         | 75                | 800                   | Δ 400 V-3                          | 684                       | 728               | 2.00 |   |  |
| SGK 50A-F42 B | 12.3                                       | 9.4  | 63.8  | 11,680          | 34       | 21.0       | 15x1.0      | 35x1.5         | 77                | 500                   | Δ 400 V-3                          | 941                       | 438               | 1.20 |   |  |
| SGK 50A-F62 B | 16.6                                       | 11.8 | 95.4  | 11,400          | 34       | 31.5       | 15x1.0      | 42x1.5         | 77                | 500                   | Δ 400 V-3                          | 941                       | 438               | 1.20 |   |  |
| SGK 50A-F82 B | 20.0                                       | 13.6 | 127.0 | 11,160          | 33       | 41.8       | 22x1.0      | 42x1.5         | 77                | 500                   | Δ 400 V-3                          | 941                       | 438               | 1.20 |   |  |
| SGK 63A-F42 B | 17.2                                       | 12.8 | 83.4  | 17,080          | 40       | 27.6       | 15x1.0      | 42x1.5         | 74                | 630                   | Y 400 V-3                          | 744                       | 682               | 1.26 |   |  |
| SGK 63A-F62 B | 22.9                                       | 17.3 | 124.7 | 16,460          | 39       | 41.0       | 22x1.0      | 42x1.5         | 74                | 630                   | Y 400 V-3                          | 744                       | 682               | 1.26 |   |  |
| SGK 63A-F82 B | 27.1                                       | 20.9 | 165.9 | 15,840          | 38       | 54.9       | 22x1.0      | 54x2.0         | 74                | 630                   | Y 400 V-3                          | 744                       | 682               | 1.26 |   |  |
| SGK 63B-F42 B | 19.6                                       | 14.5 | 109.4 | 17,620          | 41       | 36.1       | 22x1.0      | 42x1.5         | 75                | 630                   | Y 400 V-3                          | 755                       | 664               | 1.24 |   |  |
| SGK 63B-F62 B | 26.0                                       | 20.2 | 163.6 | 17,240          | 40       | 54.1       | 22x1.0      | 54x2.0         | 75                | 630                   | Y 400 V-3                          | 755                       | 664               | 1.24 |   |  |
| SGK 63B-F82 B | 31.0                                       | 23.8 | 217.8 | 16,860          | 40       | 71.5       | 22x1.0      | 54x2.0         | 75                | 630                   | Y 400 V-3                          | 755                       | 664               | 1.24 |   |  |
| SGK 80A-F42 B | 31.0                                       | 23.0 | 132.2 | 33,760          | 59       | 44.3       | 22x1.0      | 54x2.0         | 77                | 800                   | Δ 400 V-3                          | 682                       | 1,518             | 4.12 |   |  |
| SGK 80A-F62 B | 41.3                                       | 31.3 | 197.7 | 32,380          | 57       | 65.4       | 28x1.5      | 54x2.0         | 77                | 800                   | Δ 400 V-3                          | 682                       | 1,518             | 4.12 |   |  |
| SGK 80A-F82 B | 50.5                                       | 36.1 | 263.1 | 31,280          | 55       | 86.4       | 28x1.5      | 54x2.0         | 77                | 800                   | Δ 400 V-3                          | 682                       | 1,518             | 4.12 |   |  |
| SGK 80B-F42 B | 34.9                                       | 25.9 | 166.8 | 34,860          | 61       | 55.5       | 22x1.0      | 54x2.0         | 78                | 800                   | Δ 400 V-3                          | 684                       | 1,456             | 4.00 |   |  |
| SGK 80B-F62 B | 46.6                                       | 35.3 | 249.3 | 33,900          | 60       | 81.0       | 28x1.5      | 64x2.0         | 78                | 800                   | Δ 400 V-3                          | 684                       | 1,456             | 4.00 |   |  |
| SGK 80B-F82 B | 56.4                                       | 40.4 | 331.9 | 33,000          | 58       | 107.4      | 28x1.5      | 64x2.0         | 78                | 800                   | Δ 400 V-3                          | 684                       | 1,456             | 4.00 |   |  |
| SGK 50A-F43 B | 19.5                                       | 13.0 | 95.8  | 17,520          | 38       | 31.3       | 22x1.0      | 42x1.5         | 79                | 500                   | Δ 400 V-3                          | 941                       | 657               | 1.80 |   |  |
| SGK 50A-F63 B | 24.7                                       | 18.9 | 143.2 | 17,100          | 37       | 47.1       | 22x1.0      | 54x2.0         | 79                | 500                   | Δ 400 V-3                          | 941                       | 657               | 1.80 |   |  |
| SGK 50A-F83 B | 29.3                                       | 21.8 | 190.6 | 16,740          | 37       | 62.2       | 22x1.0      | 54x2.0         | 79                | 500                   | Δ 400 V-3                          | 941                       | 657               | 1.80 |   |  |
| SGK 63A-F43 B | 26.3                                       | 17.6 | 125.1 | 25,620          | 44       | 41.3       | 22x1.0      | 54x2.0         | 76                | 630                   | Y 400 V-3                          | 744                       | 1,023             | 1.89 |   |  |
| SGK 63A-F63 B | 34.3                                       | 25.6 | 187.0 | 24,690          | 42       | 61.1       | 22x1.0      | 54x2.0         | 76                | 630                   | Y 400 V-3                          | 744                       | 1,023             | 1.89 |   |  |
| SGK 63A-F83 B | 41.7                                       | 28.4 | 248.9 | 23,760          | 41       | 80.9       | 22x1.0      | 54x2.0         | 76                | 630                   | Y 400 V-3                          | 744                       | 1,023             | 1.89 |   |  |
| SGK 63B-F43 B | 31.0                                       | 21.2 | 164.2 | 26,430          | 45       | 53.8       | 22x1.0      | 54x2.0         | 77                | 630                   | Y 400 V-3                          | 755                       | 996               | 1.86 |   |  |
| SGK 63B-F63 B | 39.0                                       | 28.9 | 245.4 | 25,860          | 44       | 79.7       | 22x1.0      | 54x2.0         | 77                | 630                   | Y 400 V-3                          | 755                       | 996               | 1.86 |   |  |
| SGK 63B-F83 B | 46.4                                       | 35.1 | 326.7 | 25,290          | 43       | 105.7      | 28x1.5      | 54x2.0         | 77                | 630                   | Y 400 V-3                          | 755                       | 996               | 1.86 |   |  |
| SGK 80A-F43 B | 48.1                                       | 32.5 | 198.4 | 50,640          | 63       | 64.0       | 28x1.5      | 64x2.0         | 79                | 800                   | Δ 400 V-3                          | 682                       | 2,277             | 6.18 |   |  |
| SGK 80A-F63 B | 64.9                                       | 43.7 | 296.5 | 48,570          | 61       | 95.3       | 28x1.5      | 64x2.0         | 79                | 800                   | Δ 400 V-3                          | 682                       | 2,277             | 6.18 |   |  |
| SGK 80A-F83 B | 77.6                                       | 52.2 | 394.7 | 46,920          | 59       | 127.5      | 2*28x1.5    | 2*54x2.0       | 79                | 800                   | Δ 400 V-3                          | 682                       | 2,277             | 6.18 |   |  |
| SGK 80B-F43 B | 52.4                                       | 39.1 | 250.2 | 52,290          | 65       | 80.5       | 28x1.5      | 64x2.0         | 80                | 800                   | Δ 400 V-3                          | 684                       | 2,184             | 6.00 |   |  |
| SGK 80B-F63 B | 71.8                                       | 48.5 | 374.0 | 50,850          | 63       | 119.9      | 28x1.5      | 64x2.0         | 80                | 800                   | Δ 400 V-3                          | 684                       | 2,184             | 6.00 |   |  |
| SGK 80B-F83 B | 86.2                                       | 58.2 | 497.8 | 49,500          | 62       | 160.3      | 2*28x1.5    | 2*54x2.0       | 80                | 800                   | Δ 400 V-3                          | 684                       | 2,184             | 6.00 |   |  |
| SGK 50A-F44 B | 24.7                                       | 18.8 | 127.7 | 23,360          | 40       | 41.8       | 22x1.0      | 54x2.0         | 80                | 500                   | Δ 400 V-3                          | 941                       | 876               | 2.40 |   |  |
| SGK 50A-F64 B | 33.5                                       | 23.9 | 190.9 | 22,800          | 40       | 62.0       | 22x1.0      | 54x2.0         | 80                | 500                   | Δ 400 V-3                          | 941                       | 876               | 2.40 |   |  |
| SGK 50A-F84 B | 39.3                                       | 30.7 | 254.1 | 22,320          | 39       | 82.1       | 28x1.5      | 54x2.0         | 80                | 500                   | Δ 400 V-3                          | 941                       | 876               | 2.40 |   |  |
| SGK 63A-F44 B | 34.5                                       | 25.8 | 166.8 | 34,160          | 46       | 54.3       | 22x1.0      | 54x2.0         | 77                | 630                   | Y 400 V-3                          | 744                       | 1,364             | 2.52 |   |  |
| SGK 63A-F64 B | 47.1                                       | 32.0 | 249.3 | 32,920          | 45       | 80.5       | 22x1.0      | 54x2.0         | 77                | 630                   | Y 400 V-3                          | 744                       | 1,364             | 2.52 |   |  |
| SGK 63A-F84 B | 54.4                                       | 42.0 | 331.9 | 31,680          | 44       | 106.1      | 2*22x1.0    | 2*42x1.5       | 77                | 630                   | Y 400 V-3                          | 744                       | 1,364             | 2.52 |   |  |
| SGK 63B-F44 B | 39.3                                       | 29.2 | 218.9 | 35,240          | 47       | 70.8       | 22x1.0      | 54x2.0         | 78                | 630                   | Y 400 V-3                          | 755                       | 1,328             | 2.48 |   |  |
| SGK 63B-F64 B | 52.3                                       | 39.6 | 327.2 | 34,480          | 46       | 104.5      | 28x1.5      | 64x2.0         | 78                | 630                   | Y 400 V-3                          | 755                       | 1,328             | 2.48 |   |  |
| SGK 63B-F84 B | 62.2                                       | 47.9 | 435.6 | 33,720          | 46       | 139.5      | 2*22x1.0    | 2*54x2.0       | 78                | 630                   | Y 400 V-3                          | 755                       | 1,328             | 2.48 |   |  |
| SGK 80A-F44 B | 66.4                                       | 45.4 | 264.5 | 67,520          | 65       | 85.5       | 2*28x1.5    | 2*54x2.0       | 80                | 800                   | Δ 400 V-3                          | 682                       | 3,036             | 8.24 |   |  |
| SGK 80A-F64 B | 88.6                                       | 60.5 | 395.4 | 64,760          | 63       | 126.9      | 2*22x1.0    | 2*54x2.0       | 80                | 800                   | Δ 400 V-3                          | 682                       | 3,036             | 8.24 |   |  |
| SGK 80A-F84 B | 103.2                                      | 72.8 | 526.3 | 62,560          | 61       | 168.7      | 2*28x1.5    | 2*54x2.0       | 80                | 800                   | Δ 400 V-3                          | 682                       | 3,036             | 8.24 |   |  |
| SGK 80B-F44 B | 71.9                                       | 49.3 | 312.7 | 69,200          | 67       | 100.9      | 2*28x1.5    | 2*54x2.0       | 81                | 800                   | Δ 400 V-3                          | 684                       | 2,912             | 8.00 |   |  |
| SGK 80B-F64 B | 96.2                                       | 65.2 | 467.5 | 67,080          | 65       | 149.9      | 2*22x1.0    | 2*54x2.0       | 81                | 800                   | Δ 400 V-3                          | 684                       | 2,912             | 8.00 |   |  |
| SGK 80B-F84 B | 107.7                                      | 79.8 | 622.2 | 65,080          | 64       | 199.2      | 2*28x1.5    | 2*54x2.0       | 81                | 800                   | Δ 400 V-3                          | 684                       | 2,912             | 8.00 |   |  |
| SGK 50A-F45 B | 30.9                                       | 23.0 | 159.6 | 29,200          | 42       | 51.7       | 22x1.0      | 54x2.0         | 81                | 500                   | Δ 400 V-3                          | 941                       | 1,095             | 3.00 |   |  |
| SGK 50A-F65 B | 41.2                                       | 31.2 | 238.6 | 28,500          | 41       | 76.9       | 28x1.5      | 54x2.0         | 81                | 500                   | Δ 400 V-3                          | 941                       | 1,095             | 3.00 |   |  |
| SGK 50A-F85 B | 49.3</                                     |      |       |                 |          |            |             |                |                   |                       |                                    |                           |                   |      |   |  |



# TECHNICAL DATA SGL (E)

## Küba SG industrial | Fin spacing 12 mm

| Type          | Rating Q <sub>o</sub> at 50 Hz, DT1, R404A |      | Cooling surface | Air flow          | Air throw* | Tube volume     | Connections           |                      | Sound L <sub>WA</sub> | Fans (Operational values at 50 Hz) |                           |     |       |      |  |  |
|---------------|--|------|-----------------|-------------------|------------|-----------------|-----------------------|----------------------|-----------------------|------------------------------------|---------------------------|-----|-------|------|--|--|
|               | SC2  | SC3  |                 |                   |            |                 | Inlet Ømm             | Outlet Ømm           |                       | Blade Ømm                          | Current 400± 10% V-3 50Hz | rpm | W     | A    |  |  |
|               | kW   | kW   | m <sup>2</sup>  | m <sup>3</sup> /h | m          | dm <sup>3</sup> |                       |                      |                       |                                    |                           |     |       |      |  |  |
| SGL 50A-F41 B | 5.4  | 4.1  | 27.1            | 5,910             | 29         | 10.9            | 12x1.0                | 28x1.5               | 74                    | 500                                | Δ 400 V-3                 | 941 | 219   | 0.60 |  |  |
| SGL 50A-F61 B | 7.3  | 5.7  | 40.5            | 5,790             | 29         | 16.4            | 15x1.0                | 35x1.5               | 74                    | 500                                | Δ 400 V-3                 | 941 | 219   | 0.60 |  |  |
| SGL 50A-F81 B | 8.9  | 6.9  | 53.9            | 5,690             | 28         | 21.6            | 15x1.0                | 35x1.5               | 74                    | 500                                | Δ 400 V-3                 | 941 | 219   | 0.60 |  |  |
| SGL 63A-F41 B | 7.6  | 5.7  | 35.4            | 8,680             | 35         | 14.3            | 12x1.0                | 35x1.5               | 71                    | 630                                | Y 400 V-3                 | 744 | 341   | 0.63 |  |  |
| SGL 63A-F61 B | 10.3                                       | 7.8  | 52.9            | 8,440             | 34         | 21.1            | 15x1.0                | 35x1.5               | 71                    | 630                                | Y 400 V-3                 | 744 | 341   | 0.63 |  |  |
| SGL 63A-F81 B | 12.5                                       | 9.6  | 70.4            | 8,200             | 33         | 27.9            | 15x1.0                | 35x1.5               | 71                    | 630                                | Y 400 V-3                 | 744 | 341   | 0.63 |  |  |
| SGL 63B-F41 B | 8.6  | 6.3  | 46.4            | 8,900             | 36         | 18.5            | 12x1.0                | 35x1.5               | 72                    | 630                                | Y 400 V-3                 | 755 | 332   | 0.62 |  |  |
| SGL 63B-F61 B | 11.6                                       | 8.7  | 69.4            | 8,750             | 35         | 27.4            | 15x1.0                | 35x1.5               | 72                    | 630                                | Y 400 V-3                 | 755 | 332   | 0.62 |  |  |
| SGL 63B-F81 B | 14.1                                       | 10.7 | 92.4            | 8,600             | 35         | 36.8            | 22x1.0                | 42x1.5               | 72                    | 630                                | Y 400 V-3                 | 755 | 332   | 0.62 |  |  |
| SGL 80A-F41 B | 13.6                                       | 10.0 | 56.1            | 17,210            | 55         | 22.8            | 15x1.0                | 42x1.5               | 74                    | 800                                | Δ 400 V-3                 | 682 | 759   | 2.06 |  |  |
| SGL 80A-F61 B | 18.6                                       | 13.8 | 83.9            | 16,650            | 53         | 33.6            | 22x1.0                | 42x1.5               | 74                    | 800                                | Δ 400 V-3                 | 682 | 759   | 2.06 |  |  |
| SGL 80A-F81 B | 22.6                                       | 17.0 | 111.7           | 16,120            | 52         | 44.3            | 22x1.0                | 42x1.5               | 74                    | 800                                | Δ 400 V-3                 | 682 | 759   | 2.06 |  |  |
| SGL 80B-F41 B | 15.3                                       | 11.5 | 70.8            | 17,640            | 56         | 28.4            | 15x1.0                | 42x1.5               | 75                    | 800                                | Δ 400 V-3                 | 684 | 728   | 2.00 |  |  |
| SGL 80B-F61 B | 21.1                                       | 14.9 | 105.8           | 17,260            | 55         | 42.1            | 22x1.0                | 42x1.5               | 75                    | 800                                | Δ 400 V-3                 | 684 | 728   | 2.00 |  |  |
| SGL 80B-F81 B | 25.2                                       | 18.5 | 140.9           | 16,900            | 54         | 56.4            | 22x1.0                | 54x2.0               | 75                    | 800                                | Δ 400 V-3                 | 684 | 728   | 2.00 |  |  |
| SGL 50A-F42 B | 10.9                                       | 8.3  | 54.2            | 11,820            | 35         | 21.0            | 15x1.0                | 35x1.5               | 77                    | 500                                | Δ 400 V-3                 | 941 | 438   | 1.20 |  |  |
| SGL 50A-F62 B | 14.7                                       | 10.9 | 81.0            | 11,580            | 34         | 31.5            | 15x1.0                | 42x1.5               | 77                    | 500                                | Δ 400 V-3                 | 941 | 438   | 1.20 |  |  |
| SGL 50A-F82 B | 17.6                                       | 12.8 | 107.8           | 11,380            | 34         | 41.8            | 22x1.0                | 42x1.5               | 77                    | 500                                | Δ 400 V-3                 | 941 | 438   | 1.20 |  |  |
| SGL 63A-F42 B | 15.3                                       | 11.5 | 70.8            | 17,360            | 41         | 27.6            | 15x1.0                | 42x1.5               | 74                    | 630                                | Y 400 V-3                 | 744 | 682   | 1.26 |  |  |
| SGL 63A-F62 B | 20.7                                       | 15.8 | 105.8           | 16,880            | 40         | 41.0            | 22x1.0                | 42x1.5               | 74                    | 630                                | Y 400 V-3                 | 744 | 682   | 1.26 |  |  |
| SGL 63A-F82 B | 25.0                                       | 19.3 | 140.9           | 16,400            | 39         | 54.9            | 22x1.0                | 54x2.0               | 74                    | 630                                | Y 400 V-3                 | 744 | 682   | 1.26 |  |  |
| SGL 63B-F42 B | 17.4                                       | 13.1 | 92.9            | 17,800            | 42         | 36.1            | 22x1.0                | 42x1.5               | 75                    | 630                                | Y 400 V-3                 | 755 | 664   | 1.24 |  |  |
| SGL 63B-F62 B | 23.4                                       | 18.2 | 138.9           | 17,500            | 41         | 54.1            | 22x1.0                | 54x2.0               | 75                    | 630                                | Y 400 V-3                 | 755 | 664   | 1.24 |  |  |
| SGL 63B-F82 B | 28.5                                       | 22.0 | 184.9           | 17,200            | 40         | 71.5            | 22x1.0                | 54x2.0               | 75                    | 630                                | Y 400 V-3                 | 755 | 664   | 1.24 |  |  |
| SGL 80A-F42 B | 27.4                                       | 20.6 | 112.3           | 34,420            | 61         | 44.3            | 22x1.0                | 54x2.0               | 77                    | 800                                | Δ 400 V-3                 | 682 | 1,518 | 4.12 |  |  |
| SGL 80A-F62 B | 37.4                                       | 28.4 | 167.8           | 33,300            | 59         | 65.4            | 28x1.5                | 54x2.0               | 77                    | 800                                | Δ 400 V-3                 | 682 | 1,518 | 4.12 |  |  |
| SGL 80A-F82 B | 45.3                                       | 33.6 | 223.4           | 32,240            | 57         | 86.4            | 28x1.5                | 54x2.0               | 77                    | 800                                | Δ 400 V-3                 | 682 | 1,518 | 4.12 |  |  |
| SGL 80B-F42 B | 30.8                                       | 23.2 | 141.6           | 35,280            | 62         | 55.5            | 22x1.0                | 54x2.0               | 78                    | 800                                | Δ 400 V-3                 | 684 | 1,456 | 4.00 |  |  |
| SGL 80B-F62 B | 42.0                                       | 32.0 | 211.6           | 34,520            | 61         | 81.0            | 28x1.5                | 64x2.0               | 78                    | 800                                | Δ 400 V-3                 | 684 | 1,456 | 4.00 |  |  |
| SGL 80B-F82 B | 50.7                                       | 37.6 | 281.7           | 33,800            | 60         | 107.4           | 28x1.5                | 64x2.0               | 78                    | 800                                | Δ 400 V-3                 | 684 | 1,456 | 4.00 |  |  |
| SGL 50A-F43 B | 16.7                                       | 11.9 | 81.3            | 17,730            | 38         | 31.3            | 22x1.0                | 42x1.5               | 79                    | 500                                | Δ 400 V-3                 | 941 | 657   | 1.80 |  |  |
| SGL 50A-F63 B | 22.3                                       | 17.1 | 121.5           | 17,370            | 38         | 47.1            | 22x1.0                | 54x2.0               | 79                    | 500                                | Δ 400 V-3                 | 941 | 657   | 1.80 |  |  |
| SGL 50A-F83 B | 26.9                                       | 20.3 | 161.8           | 17,070            | 37         | 62.2            | 22x1.0                | 54x2.0               | 79                    | 500                                | Δ 400 V-3                 | 941 | 657   | 1.80 |  |  |
| SGL 63A-F43 B | 23.7                                       | 16.0 | 106.2           | 26,040            | 44         | 41.3            | 22x1.0                | 54x2.0               | 76                    | 630                                | Y 400 V-3                 | 744 | 1,023 | 1.89 |  |  |
| SGL 63A-F63 B | 31.1                                       | 23.5 | 158.7           | 25,320            | 43         | 61.1            | 22x1.0                | 54x2.0               | 76                    | 630                                | Y 400 V-3                 | 744 | 1,023 | 1.89 |  |  |
| SGL 63A-F83 B | 37.7                                       | 26.8 | 211.3           | 24,600            | 42         | 80.9            | 22x1.0                | 54x2.0               | 76                    | 630                                | Y 400 V-3                 | 744 | 1,023 | 1.89 |  |  |
| SGL 63B-F43 B | 26.0                                       | 19.2 | 139.3           | 26,700            | 45         | 53.8            | 22x1.0                | 54x2.0               | 77                    | 630                                | Y 400 V-3                 | 755 | 996   | 1.86 |  |  |
| SGL 63B-F63 B | 35.2                                       | 26.5 | 208.3           | 26,250            | 44         | 79.7            | 22x1.0                | 54x2.0               | 77                    | 630                                | Y 400 V-3                 | 755 | 996   | 1.86 |  |  |
| SGL 63B-F83 B | 42.7                                       | 32.5 | 277.3           | 25,800            | 44         | 105.7           | 28x1.5                | 54x2.0               | 77                    | 630                                | Y 400 V-3                 | 755 | 996   | 1.86 |  |  |
| SGL 80A-F43 B | 43.4                                       | 29.2 | 168.4           | 51,630            | 64         | 64.0            | 28x1.5                | 64x2.0               | 79                    | 800                                | Δ 400 V-3                 | 682 | 2,277 | 6.18 |  |  |
| SGL 80A-F63 B | 58.9                                       | 39.4 | 251.7           | 49,950            | 62         | 95.3            | 28x1.5                | 64x2.0               | 79                    | 800                                | Δ 400 V-3                 | 682 | 2,277 | 6.18 |  |  |
| SGL 80A-F83 B | 71.3                                       | 49.0 | 335.1           | 48,360            | 61         | 127.5           | 2 <sup>2</sup> 28x1.5 | 2 <sup>5</sup> 4x2.0 | 79                    | 800                                | Δ 400 V-3                 | 682 | 2,277 | 6.18 |  |  |
| SGL 80B-F43 B | 46.3                                       | 35.0 | 212.3           | 52,920            | 65         | 80.5            | 28x1.5                | 64x2.0               | 80                    | 800                                | Δ 400 V-3                 | 684 | 2,184 | 6.00 |  |  |
| SGL 80B-F63 B | 65.3                                       | 43.9 | 317.4           | 51,780            | 64         | 119.9           | 28x1.5                | 64x2.0               | 80                    | 800                                | Δ 400 V-3                 | 684 | 2,184 | 6.00 |  |  |
| SGL 80B-F83 B | 76.9                                       | 54.6 | 422.6           | 50,700            | 63         | 160.3           | 2 <sup>2</sup> 28x1.5 | 2 <sup>5</sup> 4x2.0 | 80                    | 800                                | Δ 400 V-3                 | 684 | 2,184 | 6.00 |  |  |
| SGL 50A-F44 B | 21.8                                       | 16.7 | 108.4           | 23,640            | 41         | 41.8            | 22x1.0                | 54x2.0               | 80                    | 500                                | Δ 400 V-3                 | 941 | 876   | 2.40 |  |  |
| SGL 50A-F64 B | 29.6                                       | 22.0 | 162.0           | 23,160            | 40         | 62.0            | 22x1.0                | 54x2.0               | 80                    | 500                                | Δ 400 V-3                 | 941 | 876   | 2.40 |  |  |
| SGL 50A-F84 B | 35.9                                       | 28.1 | 215.7           | 22,760            | 40         | 82.1            | 28x1.5                | 54x2.0               | 80                    | 500                                | Δ 400 V-3                 | 941 | 876   | 2.40 |  |  |
| SGL 63A-F44 B | 30.6                                       | 23.1 | 141.6           | 34,720            | 47         | 54.3            | 22x1.0                | 54x2.0               | 77                    | 630                                | Y 400 V-3                 | 744 | 1,364 | 2.52 |  |  |
| SGL 63A-F64 B | 43.0                                       | 29.0 | 211.6           | 33,760            | 46         | 80.5            | 22x1.0                | 54x2.0               | 77                    | 630                                | Y 400 V-3                 | 744 | 1,364 | 2.52 |  |  |
| SGL 63A-F84 B | 50.2                                       | 38.8 | 281.7           | 32,800            | 45         | 106.1           | 2 <sup>2</sup> 22x1.0 | 2 <sup>4</sup> 2x1.5 | 77                    | 630                                | Y 400 V-3                 | 744 | 1,364 | 2.52 |  |  |
| SGL 63B-F44 B | 34.8                                       | 26.3 | 185.8           | 35,600            | 48         | 70.8            | 22x1.0                | 54x2.0               | 78                    | 630                                | Y 400 V-3                 | 755 | 1,328 | 2.48 |  |  |
| SGL 63B-F64 B | 47.2                                       | 36.1 | 277.8           | 35,000            | 47         | 104.5           | 28x1.5                | 64x2.0               | 78                    | 630                                | Y 400 V-3                 | 755 | 1,328 | 2.48 |  |  |
| SGL 63B-F84 B | 57.1                                       | 44.1 | 369.7           | 34,400            | 46         | 139.5           | 2 <sup>2</sup> 22x1.0 | 2 <sup>5</sup> 4x2.0 | 78                    | 630                                | Y 400 V-3                 | 755 | 1,328 | 2.48 |  |  |
| SGL 80A-F44 B | 58.8                                       | 39.4 | 224.5           | 68,840            | 67         | 85.5            | 2 <sup>2</sup> 28x1.5 | 2 <sup>5</sup> 4x2.0 | 80                    | 800                                | Δ 400 V-3                 | 682 | 3,036 | 8.24 |  |  |
| SGL 80A-F64 B | 79.4                                       | 54.6 | 335.6           | 66,600            | 65         | 126.9           | 2 <sup>2</sup> 22x1.0 | 2 <sup>5</sup> 4x2.0 | 80                    | 800                                | Δ 400 V-3                 | 682 | 3,036 | 8.24 |  |  |
| SGL 80A-F84 B | 90.9                                       | 67.7 | 446.8           | 64,480            | 63         | 168.7           | 2 <sup>2</sup> 28x1.5 | 2 <sup>5</sup> 4x2.0 | 80                    | 800                                | Δ 400 V-3                 | 682 | 3,036 | 8.24 |  |  |
| SGL 80B-F44 B | 63.9                                       | 43.2 | 265.4           | 70,160            | 68         | 100.9           | 2 <sup>2</sup> 28x1.5 | 2 <sup>5</sup> 4x2.0 | 81                    | 800                                | Δ 400 V-3                 | 684 | 2,912 | 8.00 |  |  |
| SGL 80B-F64 B | 81.2                                       | 60.0 | 396.8           | 68,480            | 66         | 149.9           | 2 <sup>2</sup> 22x1.0 | 2 <sup>5</sup> 4x2.0 | 81                    | 800                                | Δ 400 V-3                 | 684 | 2,912 | 8.00 |  |  |
| SGL 80B-F84 B | 99.0                                       | 74.2 | 528.2           | 66,840            |            |                 |                       |                      |                       |                                    |                           |     |       |      |  |  |



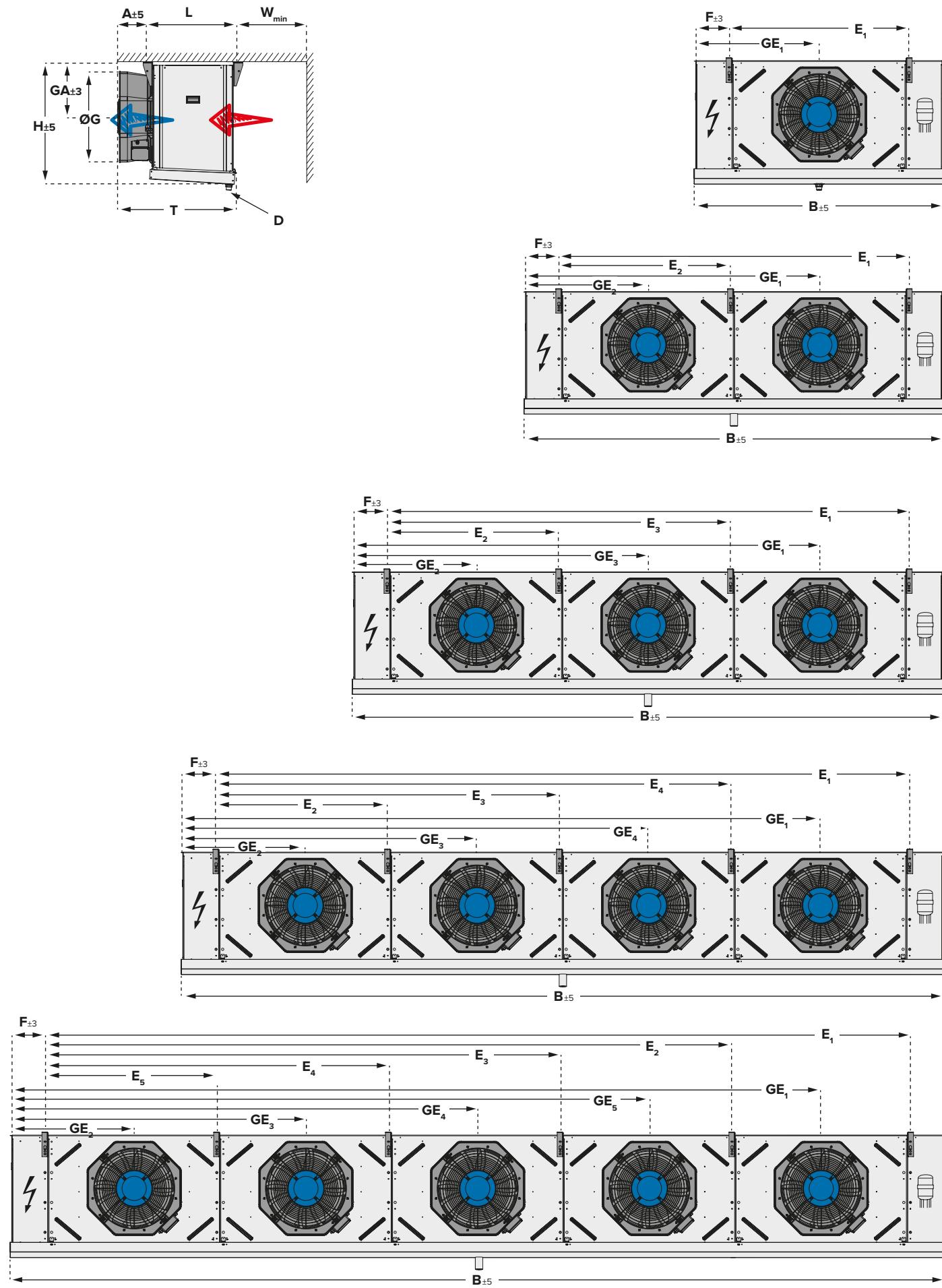
# DIMENSIONS & DRAIN

## Küba SG industrial

| Type               | Dimensions |         |         |         |                      |                      |                      |                      |                      |         |         |                        |          |          |                       |                       |                       |                       | Drain                 |           |     |
|--------------------|------------|---------|---------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|---------|---------|------------------------|----------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|-----|
|                    | H<br>mm    | B<br>mm | T<br>mm | L<br>mm | E <sub>1</sub><br>mm | E <sub>2</sub><br>mm | E <sub>3</sub><br>mm | E <sub>4</sub><br>mm | E <sub>5</sub><br>mm | F<br>mm | A<br>mm | W <sub>min</sub><br>mm | ØG<br>mm | GA<br>mm | GE <sub>1</sub><br>mm | GE <sub>2</sub><br>mm | GE <sub>3</sub><br>mm | GE <sub>4</sub><br>mm | GE <sub>5</sub><br>mm | D<br>inch |     |
| <b>SG 50A-41 B</b> | 826        | 1,675   | 890     | 710     | 1,104                | -                    | -                    | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 50A-61 B</b> | 826        | 1,675   | 890     | 710     | 1,104                | -                    | -                    | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 50A-81 B</b> | 826        | 1,675   | 890     | 710     | 1,104                | -                    | -                    | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 63A-41 B</b> | 926        | 1,825   | 985     | 755     | 1,254                | -                    | -                    | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 63A-61 B</b> | 926        | 1,825   | 985     | 755     | 1,254                | -                    | -                    | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 63A-81 B</b> | 926        | 1,825   | 985     | 755     | 1,254                | -                    | -                    | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 63B-41 B</b> | 1,018      | 2,025   | 985     | 755     | 1,454                | -                    | -                    | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 63B-61 B</b> | 1,018      | 2,025   | 985     | 755     | 1,454                | -                    | -                    | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 63B-81 B</b> | 1,018      | 2,025   | 985     | 755     | 1,454                | -                    | -                    | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 80A-41 B</b> | 1,176      | 2,074   | 1,135   | 815     | 1,504                | -                    | -                    | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 80A-61 B</b> | 1,176      | 2,074   | 1,135   | 815     | 1,504                | -                    | -                    | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 80A-81 B</b> | 1,176      | 2,074   | 1,135   | 815     | 1,504                | -                    | -                    | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 80B-41 B</b> | 1,318      | 2,224   | 1,135   | 815     | 1,654                | -                    | -                    | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 80B-61 B</b> | 1,318      | 2,224   | 1,135   | 815     | 1,654                | -                    | -                    | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 80B-81 B</b> | 1,318      | 2,224   | 1,135   | 815     | 1,654                | -                    | -                    | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | -                     | -                     | -                     | -                     | G 1½      |     |
| <b>SG 50A-42 B</b> | 826        | 2,725   | 890     | 710     | 2,154                | 1,050                | -                    | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 50A-62 B</b> | 826        | 2,725   | 890     | 710     | 2,154                | 1,050                | -                    | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 50A-82 B</b> | 826        | 2,725   | 890     | 710     | 2,154                | 1,050                | -                    | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 63A-42 B</b> | 926        | 3,025   | 985     | 755     | 2,454                | 1,200                | -                    | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 63A-62 B</b> | 926        | 3,025   | 985     | 755     | 2,454                | 1,200                | -                    | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 63A-82 B</b> | 926        | 3,025   | 985     | 755     | 2,454                | 1,200                | -                    | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 63B-42 B</b> | 1,018      | 3,425   | 985     | 755     | 2,854                | 1,400                | -                    | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | 2,412                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 63B-62 B</b> | 1,018      | 3,425   | 985     | 755     | 2,854                | 1,400                | -                    | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | 2,412                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 63B-82 B</b> | 1,018      | 3,425   | 985     | 755     | 2,854                | 1,400                | -                    | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | 2,412                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 80A-42 B</b> | 1,176      | 3,524   | 1,135   | 815     | 2,954                | 1,450                | -                    | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | 2,487                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 80A-62 B</b> | 1,176      | 3,524   | 1,135   | 815     | 2,954                | 1,450                | -                    | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | 2,487                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 80A-82 B</b> | 1,176      | 3,524   | 1,135   | 815     | 2,954                | 1,450                | -                    | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | 2,487                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 80B-42 B</b> | 1,318      | 3,824   | 1,135   | 815     | 3,254                | 1,600                | -                    | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | 2,712                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 80B-62 B</b> | 1,318      | 3,824   | 1,135   | 815     | 3,254                | 1,600                | -                    | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | 2,712                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 80B-82 B</b> | 1,318      | 3,824   | 1,135   | 815     | 3,254                | 1,600                | -                    | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | 2,712                 | -                     | -                     | -                     | -         | G 2 |
| <b>SG 50A-43 B</b> | 826        | 3,775   | 890     | 710     | 3,204                | 1,050                | 2,100                | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | 2,937                 | -                     | -                     | -         | G 2 |
| <b>SG 50A-63 B</b> | 826        | 3,775   | 890     | 710     | 3,204                | 1,050                | 2,100                | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | 2,937                 | -                     | -                     | -         | G 2 |
| <b>SG 50A-83 B</b> | 826        | 3,775   | 890     | 710     | 3,204                | 1,050                | 2,100                | -                    | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | 2,937                 | -                     | -                     | -         | G 2 |
| <b>SG 63A-43 B</b> | 926        | 4,225   | 985     | 755     | 3,654                | 1,200                | 2,400                | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | 3,312                 | -                     | -                     | -         | G 2 |
| <b>SG 63A-63 B</b> | 926        | 4,225   | 985     | 755     | 3,654                | 1,200                | 2,400                | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | 3,312                 | -                     | -                     | -         | G 2 |
| <b>SG 63A-83 B</b> | 926        | 4,225   | 985     | 755     | 3,654                | 1,200                | 2,400                | -                    | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | 3,312                 | -                     | -                     | -         | G 2 |
| <b>SG 63B-43 B</b> | 1,018      | 4,825   | 985     | 755     | 4,254                | 1,400                | 2,800                | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | 2,412                 | 3,812                 | -                     | -                     | -         | G 2 |
| <b>SG 63B-63 B</b> | 1,018      | 4,825   | 985     | 755     | 4,254                | 1,400                | 2,800                | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | 2,412                 | 3,812                 | -                     | -                     | -         | G 2 |
| <b>SG 63B-83 B</b> | 1,018      | 4,825   | 985     | 755     | 4,254                | 1,400                | 2,800                | -                    | -                    | 285     | 255     | 900                    | 754      | 459      | 1,012                 | 2,412                 | 3,812                 | -                     | -                     | -         | G 2 |
| <b>SG 80A-43 B</b> | 1,176      | 4,974   | 1,135   | 815     | 4,404                | 1,450                | 2,900                | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | 2,487                 | 3,937                 | -                     | -                     | -         | G 2 |
| <b>SG 80A-63 B</b> | 1,176      | 4,974   | 1,135   | 815     | 4,404                | 1,450                | 2,900                | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | 2,487                 | 3,937                 | -                     | -                     | -         | G 2 |
| <b>SG 80A-83 B</b> | 1,176      | 4,974   | 1,135   | 815     | 4,404                | 1,450                | 2,900                | -                    | -                    | 285     | 309     | 1,050                  | 956      | 534      | 1,037                 | 2,487                 | 3,937                 | -                     | -                     | -         | G 2 |
| <b>SG 80B-43 B</b> | 1,318      | 5,424   | 1,135   | 815     | 4,854                | 1,600                | 3,200                | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | 2,712                 | 4,312                 | -                     | -                     | -         | G 2 |
| <b>SG 80B-63 B</b> | 1,318      | 5,424   | 1,135   | 815     | 4,854                | 1,600                | 3,200                | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | 2,712                 | 4,312                 | -                     | -                     | -         | G 2 |
| <b>SG 80B-83 B</b> | 1,318      | 5,424   | 1,135   | 815     | 4,854                | 1,600                | 3,200                | -                    | -                    | 285     | 309     | 1,200                  | 956      | 609      | 1,112                 | 2,712                 | 4,312                 | -                     | -                     | -         | G 2 |
| <b>SG 50A-44 B</b> | 826        | 4,825   | 890     | 710     | 4,254                | 1,050                | 2,100                | 3,150                | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | 2,937                 | 3,987                 | -                     | G 2       |     |
| <b>SG 50A-64 B</b> | 826        | 4,825   | 890     | 710     | 4,254                | 1,050                | 2,100                | 3,150                | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | 2,937                 | 3,987                 | -                     | G 2       |     |
| <b>SG 50A-84 B</b> | 826        | 4,825   | 890     | 710     | 4,254                | 1,050                | 2,100                | 3,150                | -                    | 285     | 205     | 700                    | 612      | 364      | 837                   | 1,887                 | 2,937                 | 3,987                 | -                     | G 2       |     |
| <b>SG 63A-44 B</b> | 926        | 5,425   | 985     | 755     | 4,854                | 1,200                | 2,400                | 3,600                | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | 3,312                 | 4,512                 | -                     | G 2       |     |
| <b>SG 63A-64 B</b> | 926        | 5,425   | 985     | 755     | 4,854                | 1,200                | 2,400                | 3,600                | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | 3,312                 | 4,512                 | -                     | G 2       |     |
| <b>SG 63A-84 B</b> | 926        | 5,425   | 985     | 755     | 4,854                | 1,200                | 2,400                | 3,600                | -                    | 285     | 255     | 800                    | 754      | 409      | 912                   | 2,112                 | 3,312                 | 4,512                 | -                     | G 2       |     |
| <b>SG 63B-44 B</b> | 1,018      | 6,225   | 98      |         |                      |                      |                      |                      |                      |         |         |                        |          |          |                       |                       |                       |                       |                       |           |     |

# DIMENSIONAL DRAWINGS

## Küba SG industrial





# ELECTRIC DEFROST & WEIGHTS

Küba SG industrial

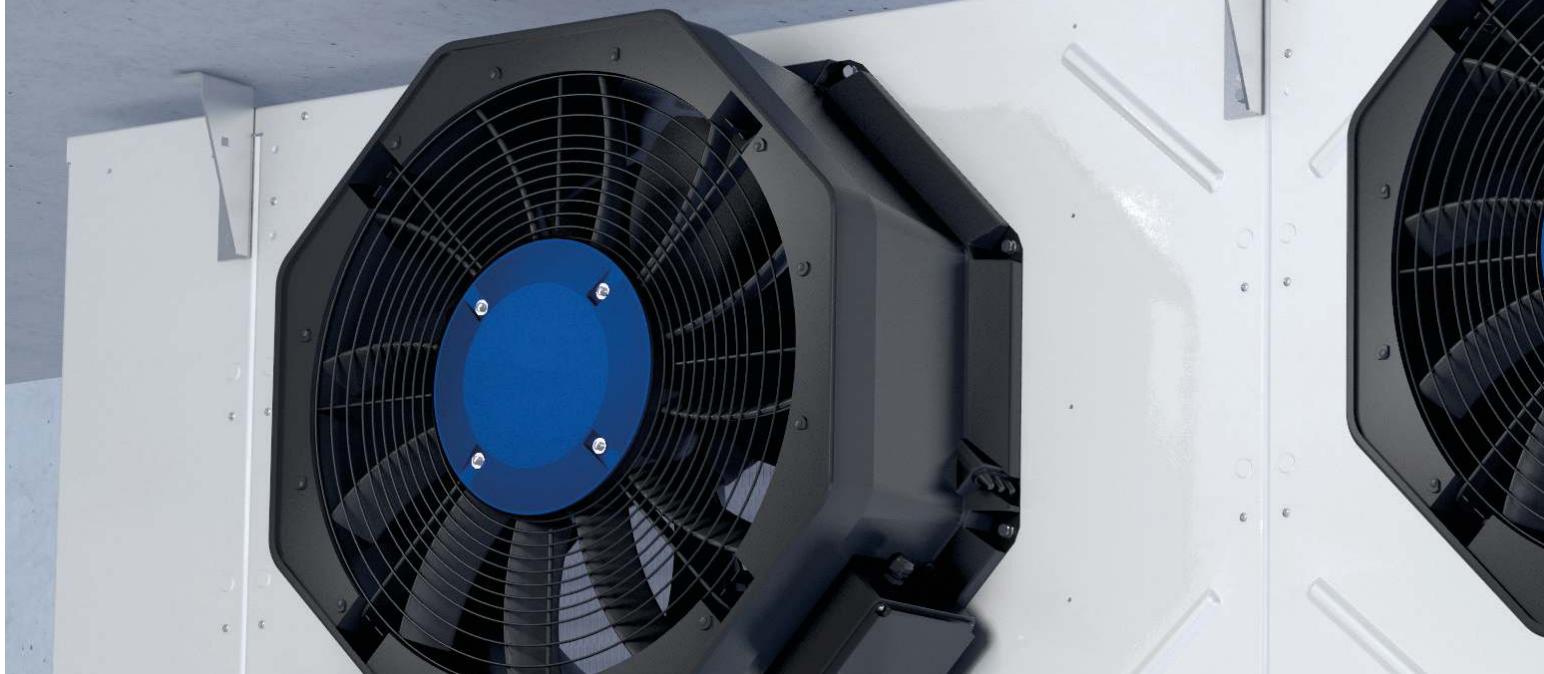
| Type        | Electrical defrost<br>230 V-1 / 400 V-3-Y |      |       |          |       | Weights (net)<br>Unpacked |     |      |     |      |     |      |       | Weights (gross)<br>Packed |       |       |       |       |       |       |    |
|-------------|---|------|-------|----------|-------|---------------------------|-----|------|-----|------|-----|------|-------|---------------------------|-------|-------|-------|-------|-------|-------|----|
|             | Coil                                      | Tray | Total | Circuits | SGA   | SGAE                      | SGB | SGBE | SGK | SGKE | SGL | SGLE | SGA   | SGAE                      | SGB   | SGBE  | SGK   | SGKE  | SGL   | SGLE  |    |
|             |   |      |       |          |       |                           |     |      |     |      |     |      |       |                           |       |       |       |       |       |       |    |
|             | kW  | kW   | kW    |          | kg    | kg                        | kg  | kg   | kg  | kg   | kg  | kg   | kg    | kg                        | kg    | kg    | kg    | kg    | kg    | kg    | kg |
| SG 50A-41 B | 4.6                                       | 2.4  | 7.0   | 1        | 118   | 122                       | 109 | 113  | 106 | 111  | 103 | 108  | 221   | 226                       | 212   | 217   | 209   | 214   | 207   | 212   |    |
| SG 50A-61 B | 7.6                                       | 2.4  | 10.1  | 2        | 137   | 144                       | 123 | 130  | 119 | 126  | 116 | 123  | 240   | 247                       | 227   | 234   | 222   | 229   | 219   | 226   |    |
| SG 50A-81 B | 10.5                                      | 2.4  | 12.9  | 2        | 155   | 164                       | 137 | 146  | 131 | 140  | 127 | 136  | 258   | 267                       | 241   | 249   | 235   | 244   | 230   | 239   |    |
| SG 63A-41 B | 6.2                                       | 2.6  | 8.8   | 1        | 145   | 151                       | 134 | 140  | 130 | 136  | 127 | 133  | 265   | 271                       | 253   | 259   | 250   | 256   | 247   | 253   |    |
| SG 63A-61 B | 9.6                                       | 2.6  | 12.2  | 2        | 170   | 178                       | 152 | 161  | 147 | 155  | 142 | 151  | 290   | 298                       | 272   | 280   | 266   | 275   | 262   | 270   |    |
| SG 63A-81 B | 12.8                                      | 2.6  | 15.4  | 2        | 193   | 204                       | 170 | 181  | 162 | 173  | 157 | 167  | 313   | 324                       | 290   | 300   | 282   | 293   | 276   | 287   |    |
| SG 63B-41 B | 8.5                                       | 3.0  | 11.5  | 1        | 181   | 188                       | 165 | 173  | 160 | 168  | 157 | 164  | 309   | 317                       | 294   | 302   | 289   | 297   | 285   | 293   |    |
| SG 63B-61 B | 13.0                                      | 3.0  | 16.0  | 2        | 212   | 223                       | 189 | 200  | 182 | 193  | 176 | 187  | 341   | 352                       | 318   | 329   | 311   | 322   | 305   | 316   |    |
| SG 63B-81 B | 18.2                                      | 3.0  | 21.2  | 2        | 245   | 259                       | 214 | 229  | 204 | 219  | 197 | 211  | 374   | 388                       | 343   | 357   | 333   | 348   | 326   | 340   |    |
| SG 80A-41 B | 10.4                                      | 3.0  | 13.4  | 2        | 224   | 233                       | 205 | 214  | 199 | 208  | 195 | 204  | 365   | 374                       | 347   | 356   | 341   | 350   | 336   | 345   |    |
| SG 80A-61 B | 15.6                                      | 3.0  | 18.6  | 2        | 262   | 275                       | 235 | 247  | 226 | 238  | 219 | 231  | 404   | 417                       | 376   | 389   | 367   | 380   | 360   | 373   |    |
| SG 80A-81 B | 20.8                                      | 3.0  | 23.8  | 2        | 300   | 316                       | 262 | 279  | 251 | 267  | 241 | 258  | 441   | 458                       | 404   | 420   | 392   | 408   | 383   | 399   |    |
| SG 80B-41 B | 12.2                                      | 3.2  | 15.4  | 2        | 258   | 269                       | 235 | 245  | 227 | 238  | 222 | 232  | 418   | 428                       | 394   | 405   | 387   | 397   | 381   | 391   |    |
| SG 80B-61 B | 20.1                                      | 3.2  | 23.3  | 2        | 307   | 322                       | 271 | 287  | 260 | 276  | 252 | 267  | 466   | 482                       | 431   | 447   | 420   | 435   | 411   | 427   |    |
| SG 80B-81 B | 25.8                                      | 3.2  | 29.0  | 2        | 356   | 376                       | 309 | 329  | 294 | 314  | 283 | 303  | 516   | 535                       | 469   | 489   | 454   | 474   | 442   | 462   |    |
| SG 50A-42 B | 8.6                                       | 3.9  | 12.5  | 1        | 200   | 208                       | 182 | 190  | 176 | 185  | 172 | 180  | 352   | 361                       | 334   | 343   | 329   | 337   | 324   | 333   |    |
| SG 50A-62 B | 14.4                                      | 3.9  | 18.3  | 2        | 236   | 248                       | 209 | 221  | 200 | 213  | 194 | 206  | 388   | 401                       | 361   | 374   | 353   | 365   | 346   | 359   |    |
| SG 50A-82 B | 19.8                                      | 3.9  | 23.7  | 2        | 274   | 290                       | 238 | 254  | 227 | 243  | 218 | 234  | 427   | 443                       | 391   | 407   | 380   | 396   | 371   | 387   |    |
| SG 63A-42 B | 11.7                                      | 4.4  | 16.1  | 1        | 251   | 262                       | 227 | 238  | 220 | 231  | 214 | 225  | 429   | 440                       | 405   | 416   | 398   | 409   | 392   | 403   |    |
| SG 63A-62 B | 18.0                                      | 4.4  | 22.4  | 2        | 298   | 314                       | 263 | 279  | 252 | 268  | 243 | 259  | 476   | 492                       | 441   | 457   | 430   | 446   | 421   | 437   |    |
| SG 63A-82 B | 24.0                                      | 4.4  | 28.4  | 2        | 347   | 367                       | 300 | 320  | 285 | 305  | 274 | 294  | 525   | 545                       | 478   | 498   | 463   | 483   | 452   | 472   |    |
| SG 63B-42 B | 15.2                                      | 4.8  | 20.1  | 2        | 315   | 329                       | 284 | 298  | 275 | 289  | 267 | 281  | 510   | 524                       | 479   | 493   | 469   | 483   | 462   | 476   |    |
| SG 63B-62 B | 22.5                                      | 4.8  | 27.3  | 2        | 378   | 397                       | 332 | 351  | 317 | 336  | 306 | 325  | 573   | 592                       | 527   | 546   | 512   | 531   | 500   | 520   |    |
| SG 63B-82 B | 31.5                                      | 4.8  | 36.3  | 2        | 439   | 464                       | 377 | 403  | 358 | 383  | 343 | 368  | 634   | 659                       | 572   | 597   | 552   | 578   | 537   | 562   |    |
| SG 80A-42 B | 18.0                                      | 4.8  | 22.8  | 2        | 394   | 410                       | 357 | 373  | 345 | 361  | 336 | 352  | 607   | 623                       | 570   | 586   | 558   | 574   | 549   | 565   |    |
| SG 80A-62 B | 27.6                                      | 4.8  | 32.4  | 2        | 467   | 490                       | 411 | 434  | 394 | 416  | 380 | 403  | 681   | 703                       | 625   | 648   | 607   | 630   | 593   | 616   |    |
| SG 80A-82 B | 36.8                                      | 4.8  | 41.6  | 3        | 540   | 570                       | 466 | 495  | 442 | 472  | 424 | 453  | 754   | 783                       | 680   | 709   | 656   | 685   | 638   | 667   |    |
| SG 80B-42 B | 23.4                                      | 5.4  | 28.8  | 2        | 459   | 478                       | 412 | 431  | 397 | 416  | 385 | 405  | 700   | 720                       | 653   | 673   | 639   | 658   | 627   | 647   |    |
| SG 80B-62 B | 35.1                                      | 5.4  | 40.5  | 3        | 552   | 580                       | 482 | 509  | 459 | 487  | 442 | 470  | 794   | 821                       | 723   | 751   | 701   | 729   | 684   | 711   |    |
| SG 80B-82 B | 46.8                                      | 5.4  | 52.2  | 4        | 645   | 680                       | 551 | 587  | 521 | 557  | 498 | 534  | 887   | 922                       | 793   | 828   | 763   | 799   | 740   | 775   |    |
| SG 50A-43 B | 13.0                                      | 5.4  | 18.4  | 2        | 284   | 297                       | 257 | 270  | 249 | 262  | 242 | 255  | 486   | 498                       | 459   | 472   | 451   | 463   | 444   | 457   |    |
| SG 50A-63 B | 20.8                                      | 5.4  | 26.2  | 2        | 339   | 357                       | 298 | 316  | 285 | 303  | 275 | 293  | 540   | 558                       | 500   | 518   | 487   | 505   | 477   | 495   |    |
| SG 50A-83 B | 27.3                                      | 5.4  | 32.7  | 3        | 392   | 414                       | 338 | 360  | 321 | 343  | 308 | 330  | 593   | 616                       | 540   | 562   | 522   | 545   | 509   | 531   |    |
| SG 63A-43 B | 17.2                                      | 6.0  | 23.2  | 2        | 359   | 375                       | 324 | 340  | 313 | 329  | 304 | 320  | 595   | 611                       | 560   | 576   | 549   | 565   | 540   | 556   |    |
| SG 63A-63 B | 25.8                                      | 6.0  | 31.8  | 2        | 428   | 450                       | 376 | 397  | 359 | 380  | 346 | 367  | 664   | 686                       | 612   | 633   | 595   | 616   | 582   | 603   |    |
| SG 63A-83 B | 34.4                                      | 6.0  | 40.4  | 3        | 498   | 525                       | 427 | 455  | 405 | 432  | 388 | 415  | 734   | 761                       | 663   | 691   | 641   | 668   | 624   | 651   |    |
| SG 63B-43 B | 23.6                                      | 6.9  | 30.5  | 2        | 448   | 469                       | 402 | 423  | 388 | 408  | 376 | 397  | 721   | 742                       | 675   | 695   | 660   | 681   | 649   | 669   |    |
| SG 63B-63 B | 33.7                                      | 6.9  | 40.6  | 3        | 541   | 568                       | 471 | 499  | 449 | 477  | 432 | 460  | 813   | 840                       | 744   | 771   | 722   | 749   | 705   | 732   |    |
| SG 63B-83 B | 45.5                                      | 6.9  | 52.4  | 3        | 631   | 667                       | 539 | 574  | 510 | 545  | 487 | 522  | 904   | 939                       | 811   | 847   | 782   | 817   | 759   | 795   |    |
| SG 80A-43 B | 27.5                                      | 7.2  | 34.7  | 2        | 561   | 584                       | 505 | 529  | 487 | 511  | 474 | 497  | 856   | 880                       | 800   | 824   | 783   | 806   | 769   | 793   |    |
| SG 80A-63 B | 41.3                                      | 7.2  | 48.5  | 3        | 671   | 703                       | 587 | 620  | 560 | 593  | 540 | 572  | 966   | 999                       | 882   | 915   | 856   | 888   | 835   | 868   |    |
| SG 80A-83 B | 55.0                                      | 7.2  | 62.2  | 3        | 784   | 826                       | 672 | 714  | 633 | 675  | 605 | 648  | 1,079 | 1,121                     | 967   | 1,010 | 928   | 971   | 901   | 943   |    |
| SG 80B-43 B | 35.1                                      | 7.8  | 42.9  | 2        | 654   | 683                       | 583 | 613  | 561 | 590  | 544 | 573  | 993   | 1,022                     | 923   | 952   | 900   | 929   | 883   | 912   |    |
| SG 80B-63 B | 52.7                                      | 7.8  | 60.5  | 3        | 792   | 833                       | 687 | 728  | 653 | 694  | 627 | 668  | 1,131 | 1,172                     | 1,026 | 1,067 | 992   | 1,033 | 966   | 1,007 |    |
| SG 80B-83 B | 70.2                                      | 7.8  | 78.0  | 4        | 1,025 | 986                       | 793 | 846  | 748 | 801  | 714 | 766  | 1,364 | 1,326                     | 1,132 | 1,185 | 1,088 | 1,140 | 1,053 | 1,106 |    |
| SG 50A-44 B | 16.9                                      | 6.9  | 23.7  | 2        | 366   | 382                       | 330 | 347  | 319 | 335  | 310 | 326  | 617   | 633                       | 581   | 597   | 569   | 585   | 560   | 577   |    |
| SG 50A-64 B | 27.0                                      | 6.9  | 33.8  | 2        | 437   | 460                       | 383 | 406  | 366 | 389  | 353 | 376  | 687   | 710                       | 634   | 657   | 616   | 639   | 603   | 626   |    |
| SG 50A-84 B | 35.4                                      | 6.9  | 42.3  | 3        | 507   | 536                       | 435 | 464  | 412 | 441  | 395 | 423  | 758   | 786                       | 686   | 714   | 663   | 692   | 645   | 674   |    |
| SG 63A-44 B | 23.4                                      | 7.8  | 31.2  | 2        | 463   | 484                       | 416 | 437  | 401 | 422  |     |      |       |                           |       |       |       |       |       |       |    |





Küba SG industrial

# VARIANTS



## MOTOR - VARIANTS

### V 1.02 FANS 230±10%V-1, CONTROLLABLE

up to 630 mm fan diameter

### V 1.04 FANS 400V±10%V-3 Δ/Y

### V 1.13 FANS 400V-3 EX-EXECUTION (ATEX)

### V 1.16 FANS 400V-3 TK-EXECUTION

For ambient temperatures down to -60°C

### V 1.33 FANS SILENT EXECUTION

### V 1.50 EC FAN WITH FIXED SPEED

380-480V-3Ph EC, fixed fan speed

### V 1.52 EC FAN WITH CONTROLLABLE SPEED

### V 1.60 FANS FOR RAPID COOLING

400V±10%V-3

## PROTECTION AGAINST CORROSION

### V 3.12 STAINLESS STEEL CASING

Special protection from salts (no chlorine) and organic acids in the cold room air

### V 6.01 CORROSION PROTECTION 1

Tubing: Copper ( $\text{NH}_3$  units = stainless steel)

Fins: Aluminum, epoxy-resin-coated

End plates: Aluminum protective coating

Casing: Al/zinc coated steel, prot. coating on both sides

### V 6.02 CORROSION PROTECTION 2

Tubing: Stainless steel (V2A)

Fins: Aluminum, epoxy-resin-coated

End plates: Stainless steel

Casing: Al/zinc coated steel, prot. coating on both sides  
Stainless steel CAL® distributor upon request

### V 6.03 CORROSION PROTECTION 3

Tubing: Stainless steel (V2A)

Fins: Aluminum

End plates: Aluminum

Casing: Al/zinc coated steel, prot. coating on one side  
Stainless steel CAL® distributor upon request

### V 6.04 CORROSION PROTECTION 4

Tubing: Copper ( $\text{NH}_3$  units = stainless steel)

Fins: Aluminum, epoxy-resin-coated

End plates: Aluminum

Casing: Al/zinc coated steel, prot. coating on one side



## DEFROST - VARIANTS

### V 4.01 HOT-GAS COIL IN THE DRIP TRAY (CU)

Hot-gas connection on both sides; copper

### V 4.02 HOT-GAS COIL IN THE DRIP TRAY (VA)

Hot-gas connection on both sides; stainless steel

### V 4.06 DRIP TRAY WITH ELECTRIC HEATING

### V 6.05 HOT GAS IN HEAT EXCHANGER AND DRIP TRAY

Hot-gas circuitry for coolers, without non-return valve

### V 6.07 HOT GAS IN HEAT EXCHANGER AND DRIP TRAY

Hot-gas connection in coils; hot-gas coil in the drip tray, with non-return valve

### V 6.08 COLD GAS IN COIL AND DRIP TRAY, COPPER

Cold-gas connection in coils; Cold-gas coil in the drip tray, without non-return valve

### BRINE DEFROST WITH A SEPARATE CIRCUIT

Upon request

## CONSTRUCTION - VARIANTS

### V 3.09 DOUBLE-WALLED, INSULATED DRIP TRAY

Prevents condensed water from forming on the bottom side of the pan, and it reduces the transfer of defrost heat into the cold rooms.

### V 3.10 FANS HINGED

To clean the coil easily

### V 3.14 SIDE PANELS HINGED

For easy access to the lateral connection areas

## CO<sub>2</sub> - VARIANTS

### V 7.10 CO<sub>2</sub>-PUMP

up to 60 bar operating pressure

### V 7.45 CO<sub>2</sub>-DIRECT EXPANSION

up to 45 bar operating pressure

### V 7.60 CO<sub>2</sub>-DIRECT EXPANSION

up to 60 bar operating pressure



## Küba SG industrial

# ACCESSORIES

### SHUT-UP®

The Shut-Up® optimises the defrosting procedure, especially in deep-freeze applications.

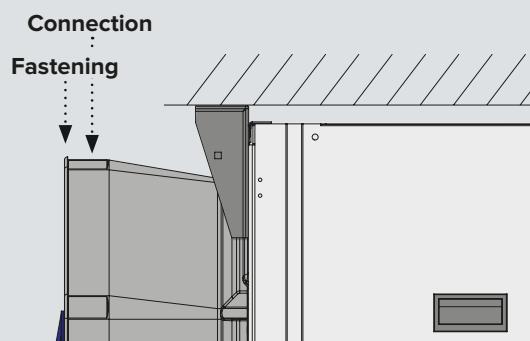
Shut-Up® is suspended over the fan unit, closing the Air Cooler. Hot air cannot escape.

#### Construction:

High-tech microfiber, tearproof, UV-resistant, form- and temperature resistant, rot-proof, food-safe, washable at 30°C, chemical purification P

#### Selection table & Dimensions:

| Type  | Küba SG industrial |                     |                 | Küba Shut-Up®      |              |
|-------|--------------------|---------------------|-----------------|--------------------|--------------|
|       | Fan blade<br>Ø mm  | Connections<br>Ø mm | Fixture<br>Ø mm | Air outlet<br>Ø mm | Length<br>mm |
| SG 50 | 500                | 659                 | 669             | 515                | 844          |
| SG 63 | 630                | 808                 | 818             | 688                | 990          |
| SG 80 | 800                | 1.027               | 1.037           | 804                | 1.280        |



#### NOTE:

Due to the additional external pressure, the air quantity and Air Cooler capacity change: With using Shut-Up®: Air volume reduces by 10% (-5% cooling capacity)  
With using von Shut-Up® & Defrost hood: Air volume reduces by 20% (-10% cooling capacity)

1 Shut-Up® per fan unit required. Delivery not mounted.

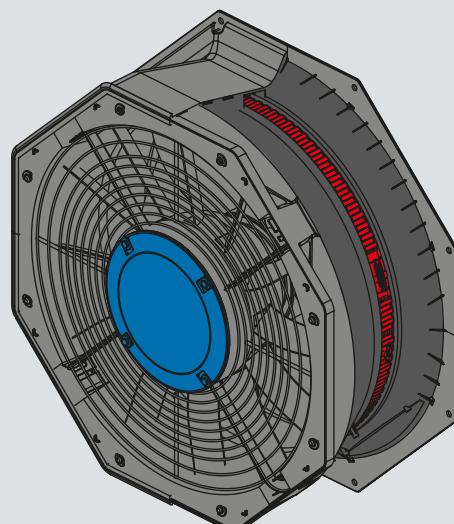
### WALL RING HEATING WH

Wall ring heating prevents formation of ice between fan blade and the wall ring.

The standard Küba SG industrial line is suitable for use with wall ring heating. We recommend using the WH for applications below 0 °C to prevent temperatures from falling below the dew point.

#### Execution:

- Maximum energy efficiency, optimal control behavior, and low power consumption
- Heat retention in the wall ring, no vapor formation, no overheating.
- Protection from human contact by complete integration of the heating element.



| Type  | Description | Current<br>A | Capacity<br>kW |
|-------|-------------|--------------|----------------|
| SG 50 | WH 50       | 1,72         | 0,40           |
| SG 63 | WH 63       | 2,19         | 0,50           |
| SG 80 | WH 80       | 4,52         | 1,04           |

#### NOTE:

1 wall ring heating WH per fan unit required.



## DEFROST HOOD

Applications: Frozen storage starting at -18 °C. Alternating defrosting of the Air Coolers in one room. The double wall drip tray has 16 mm of insulation. The casing is made of aluminum, coated (RAL 9010).

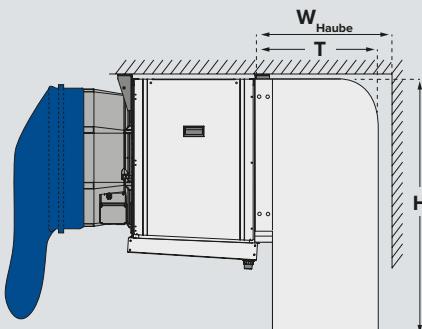
**Advantages** (in connection with Shut-Up®):

With the defrost hood and Shut-Up®, a positive accumulation of heat occurs in the Air Cooler during the defrost process. The heat remains in the cooler, which means:

- Defrost times are reduced by more than 50%
- Considerable energy savings
- No frost build up on the ceiling of the storage room or on the goods due to minimal vapour build-up

**Selection table & Dimensions:**

| Type    | Dimensions |         |         |                          | Weight |
|---------|------------|---------|---------|--------------------------|--------|
|         | H<br>mm    | B<br>mm | T<br>mm | W <sub>Haube</sub><br>mm |        |
| SG 50 A | 1.180      | 995     | 700     | 760                      | 29     |
| SG 63 A | 1.380      | 1.145   | 800     | 860                      | 34     |
| SG 63 B | 1.380      | 1.355   | 900     | 960                      | 43     |
| SG 80 A | 1.530      | 1.405   | 1.050   | 1.110                    | 52     |
| SG 80 B | 1.680      | 1.545   | 1.200   | 1.260                    | 61     |



**NOTE:**

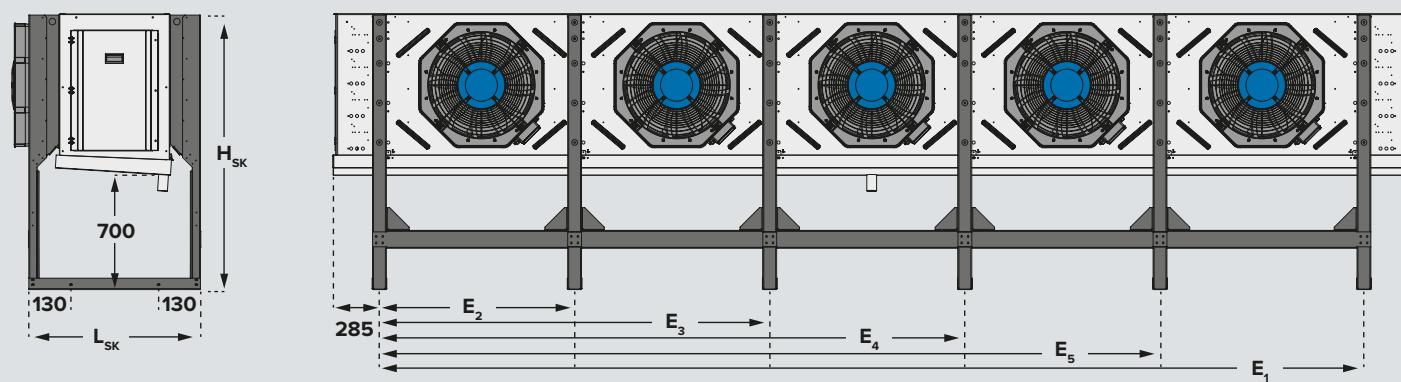
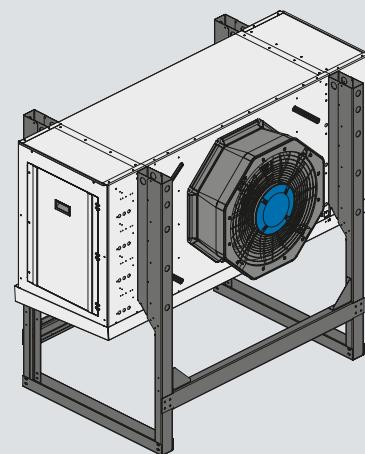
Due to the additional external pressure, the air quantity and Air Cooler capacity change: With using Shut-Up®: Air volume reduces by 10% (-5% cooling capacity)  
With using von Shut-Up® & Defrost hood: Air volume reduces by 20% (-10% cooling capacity)

1 Defrost Hood per fan unit required. Delivery not mounted.

## FLOOR MOUNTING BRACKETS SK

**Selection table & Dimensions:**

| For Type | H <sub>SK</sub><br>mm | L <sub>SK</sub><br>mm |
|----------|-----------------------|-----------------------|
| SG 50 A  | 1.510                 | 1.010                 |
| SG 63 A  | 1.605                 | 1.055                 |
| SG 63 B  | 1.670                 | 1.055                 |
| SG 80 A  | 1.850                 | 1.115                 |
| SG 80 B  | 1.995                 | 1.115                 |





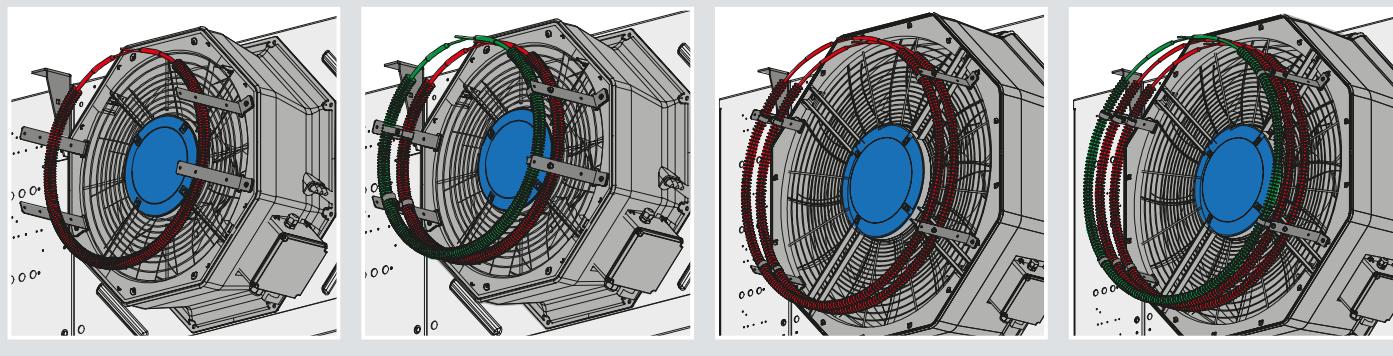
# FINNED-TUBE HEATERS SGHR/SGHRZ

For air coolers with draw-through fans.

For conditioning of room air.

Example assembly

## Selection table & Technical data:



**SGHR 50**

**SGHR 50 + SGHRZ**

**SGHR 63 & 80**

**SGHR 63 & 80 + SGHRZ**

| Type                   | Description | Current   |           |            |        | Capacity  |           |            |        |
|------------------------|-------------|-----------|-----------|------------|--------|-----------|-----------|------------|--------|
|                        |             | L1 (SGHR) | L2 (SGHR) | L3 (SGHRZ) | Gesamt | L1 (SGHR) | L2 (SGHR) | L3 (SGHRZ) | Gesamt |
|                        |             | A         | A         | A          | A      | kW        | kW        | kW         | kW     |
| <b>SG50 A</b>          | SGHR 50 i   | 13,8      | -         | -          | 13,8   | 3,2       | -         | -          | 3,2    |
| <b>SG63 A   SG63 B</b> | SGHR 63 i   | 18,1      | 18,1      | -          | 36,2   | 4,2       | 4,2       | -          | 8,3    |
| <b>SG80 A   SG80 B</b> | SGHR 80 i   | 23,1      | 23,1      | -          | 46,3   | 5,3       | 5,3       | -          | 10,6   |
| <b>SG50 A</b>          | SGHR 50Z    | 13,8      | -         | 13,8       | 27,7   | 3,2       | -         | 3,2        | 6,4    |
| <b>SG63 A   SG63 B</b> | SGHR 63Z    | 18,1      | 18,1      | 18,1       | 54,3   | 4,2       | 4,2       | 4,2        | 12,5   |
| <b>SG80 A   SG80 B</b> | SGHR 80Z    | 23,1      | 23,1      | 23,1       | 69,4   | 5,3       | 5,3       | 5,3        | 16,0   |

## Included in delivery:

- ▶ Electric finned tube heater in stainless steel with connection ends: 1,5 x 2000 mm
- ▶ Assembly kit including bracket for heater with clamp, connection box IP 54, mounting material

### NOTE:

This unit is operated only when the air-cooler fans are in use, to prevent overheating of the ceiling of the cold room.  
Be sure to observe the relevant safety instructions. 1 SGHR/Z per fan unit required.



## AIR HOSES (MUST BE PROVIDED ON SITE)

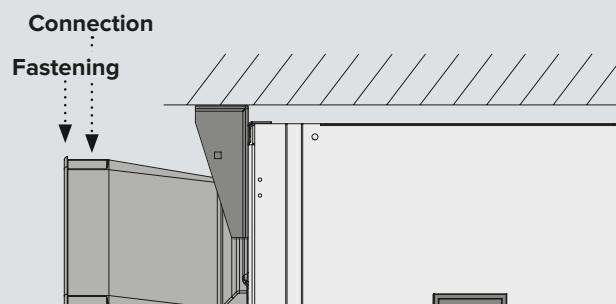
Ventilation can be optimised with textile / PVC air hoses.  
Applications in work rooms and production areas with cooled goods  
that are sensitive to draft (i.e. flowers, ripening cheeses)

### Advantages:

- The air hoses make uniform air distribution possible at very low air speeds.
- ▶ Working in a draft-free environment yields low illness rates
  - ▶ Maximum protection for sensitive cooled goods
  - ▶ No condensation water: temperatures do not fall below the dew point because air can penetrate the woven material

### Dimensions (Connection):

| Type  | Küba SG industrial |                    |                 |
|-------|--------------------|--------------------|-----------------|
|       | Blade<br>Ø mm      | Connection<br>Ø mm | Fixture<br>Ø mm |
| SG 50 | 500                | 659                | 669             |
| SG 63 | 630                | 808                | 818             |
| SG 80 | 800                | 1.027              | 1.037           |



### NOTE:

Due to the additional external pressure, the air quantity and Air Cooler capacity will change.







[www.kelvion.com](http://www.kelvion.com)