

GRECALE

Industrial cubic air cooler

AIR HEAT EXCHANGER MANUFACTURER



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GRECALE

Industrial cubic air cooler



GRECALE was created with various types of industrial refrigeration applications in mind. Thanks to a very wide range, GRECALE meets the needs of installers who need the maximum technical and economic competitiveness.

The new series has uncompromising structural quality and a high-performance exchange core, it is rich in configurations and accessories and has been optimised to increase space for goods in the cold store.

For consumption efficiency, the version with hot gas and water defrosting is available, even for low temperature cold stores.

GRECALE

Industrial cubic air cooler

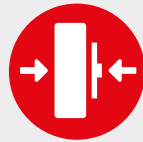


GRECALE LARGE VERSION

Large exchange areas.

Possibility of reducing the defrosting intervals.

The optimal solution in combination with stainless steel versions.



GRECALE-T COMPACT

An extremely competitive technical-economic solution.

Compact unit for optimising transport and dimensions in the cold store.

Extension of solutions in the power ranges.

630

630 PHYSICAL MODELS UNMATCHED RANGE

Power **11 - 205 kW**

SC2 fin spacing 6 mm

3

years of guarantee

Up to **6 m**

unit length

From **970 cm**

unit height

Up to **1.320 m²**

exchange surfaces
with fin spacing 6 mm

Up to **70 m**

air gradients



FLUIDS AVAILABLE

ALL SYNTHETIC REFRIGERANTS
DIRECT EXPANSION AND PUMPED CO₂
PUMPED NH₃
GLYCOL
BRINE



Performance



kW/It and kW/W performances
at the top of the market.



**Minimum consumptions
up to 45 W/kW**
SC2 fin spacing 6 mm.



Large plenums and high nozzles
air gradients up to 70 m.



Air flow rate for all applications
between 400 and 650 (m²/h) / kW (SC2).



**Reduced dimensions in cold store
units with compact height.**



GRECALE-T
compact version designed for saving.

Solidity



Drip tray with high drainage
with metal discharge.



**Double hinged basin
and removable internal drip tray**
for maximum cleaning and guarantee
against condensate.



**Painted structure
in 15/10 sheet metal**
for excellent strength.



**Connections always
on the same side**
even with 6 m units.



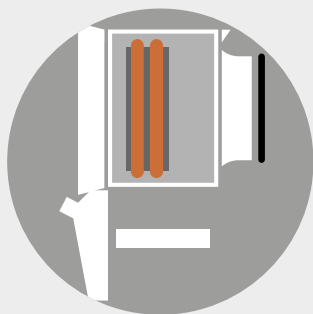
Large technical spaces
to work in comfort.



Large exchange areas
1320 m² fin spacing 6 mm.

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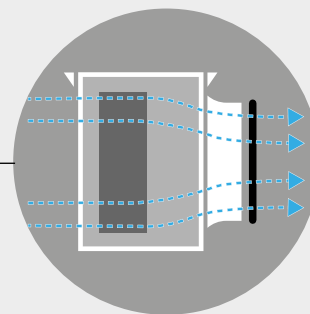
Hinged structure

for easy access to the whole unit.



High efficiency ventilation

with metal blades.



Units optimised for the best aeraulic flow

and overall dimensions in the cold store.



Range

| | |
|----------------|---|
| Unit length | up to 6 m |
| 5 fin spacing | 4 - 6 - 8 - 10 - 12 mm |
| Fan size | Ø 500 – 560 – 630 – 710 low – 710 high – 800 mm |
| Number of fans | 1 ÷ 5 |
| Fin material | Al, Al-Mg, prepainted Al, cataphoresis |

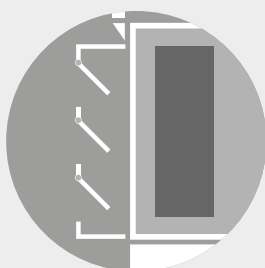


Accessories

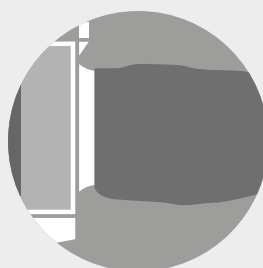
- AISI 304 casing
- AISI 304 tubes
- AISI 304 drip tray
- Fan switch
- Insulated drip tray



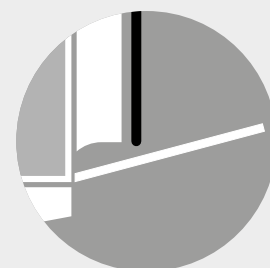
Air throw cowl



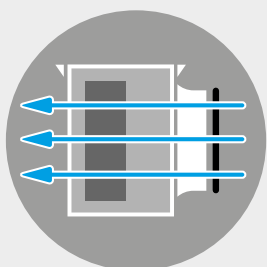
Gravity coil suction damper



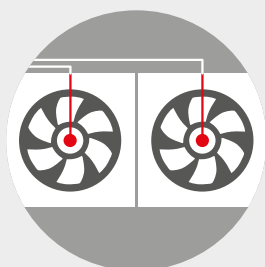
Fan textile closure



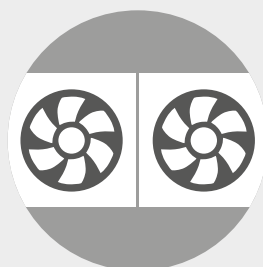
Flow deflector



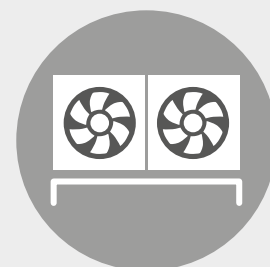
Blowing fan configuration



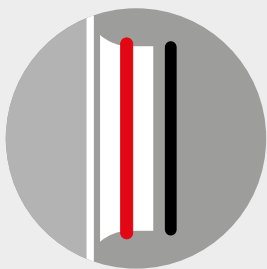
**Electric wiring
EC electric wiring**



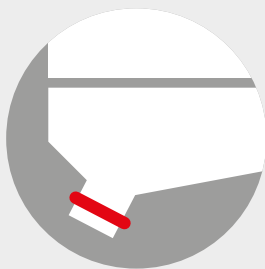
EC fans



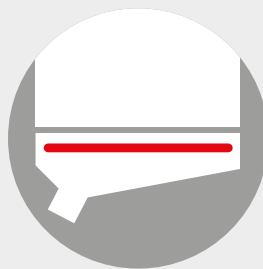
Kit legs



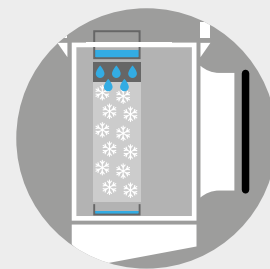
Fan ring heaters



Drain heaters



Drip tray defrost



Water defrosting

GRECALE-T E 56

Industrial cubic air cooler



Ø 560 mm
FAN SIZE

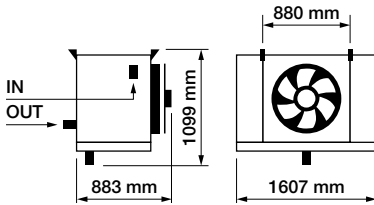
8,5 ÷ 65 kW
DT 8K CAPACITY

4 - 6 - 8 mm
3 FIN SPACING

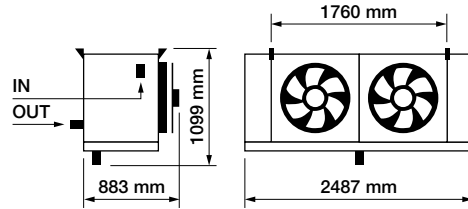


DIMENSIONS

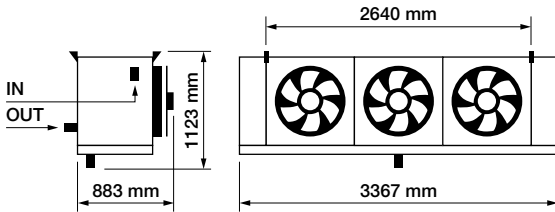
GRECALE-T E 56-1



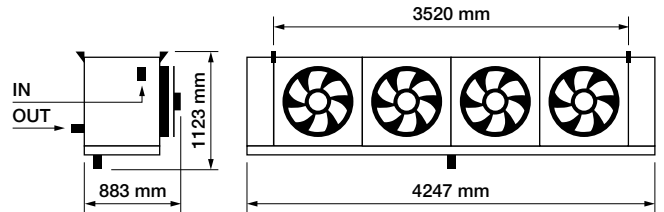
GRECALE-T E 56-2



GRECALE-T E 56-3



GRECALE-T E 56-4



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3-4 fans: Ø 3" GAS

SELECTION CODE

GRECALE-T E 56 1 C 6 A 4S

| | |
|------------------|--|
| GRECALE-T | industrial cubic air cooler - compact version |
| E | E = direct expansion C = CO2 dx W = brine P = pumped |
| 56 | fan size Ø 560 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|---|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE-T E 56

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 56-1 E 4 A 4D | 16,5 | - | 59,6 | 9800 | 57 | 1x560 | 1320 | 1130 | 2,2 | 37 | 4,2 | 11,2 | 190 | 22 | 42 |
| GRECALE-T E 56-2 E 4 A 4D | 33,2 | - | 119,2 | 19650 | 60 | 2x560 | 1320 | 2260 | 4,4 | 41 | 8,4 | 22,3 | 285 | 28 | 54 |
| GRECALE-T E 56-3 E 4 A 4D | 50 | - | 178,8 | 29450 | 61 | 3x560 | 1320 | 3390 | 6,6 | 43 | 12,6 | 33,5 | 375 | 35 | 54 |
| GRECALE-T E 56-4 E 4 A 4D | 65 | - | 238,4 | 39250 | 62 | 4x560 | 1320 | 4520 | 8,8 | 45 | 16,8 | 44,7 | 465 | 35 | 76 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 56-1 E 6 A 4D | 13,1 | 10 | 41 | 10250 | 57 | 1x560 | 1320 | 1130 | 2,2 | 39 | 4,2 | 11,2 | 185 | 22 | 42 |
| GRECALE-T E 56-2 E 6 A 4D | 26,3 | 20,3 | 82 | 20550 | 60 | 2x560 | 1320 | 2260 | 4,4 | 43 | 8,4 | 22,3 | 275 | 28 | 54 |
| GRECALE-T E 56-3 E 6 A 4D | 39,6 | 24,6 | 123,1 | 30800 | 61 | 3x560 | 1320 | 3390 | 6,6 | 45 | 12,6 | 33,5 | 355 | 35 | 54 |
| GRECALE-T E 56-4 E 6 A 4D | 52,6 | 38,6 | 164,1 | 41050 | 62 | 4x560 | 1320 | 4520 | 8,8 | 47 | 16,8 | 44,7 | 440 | 35 | 76 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 56-1 E 8 A 4D | 11,1 | 8,5 | 31,7 | 10500 | 57 | 1x560 | 1320 | 1130 | 2,2 | 40 | 4,2 | 11,2 | 180 | 22 | 42 |
| GRECALE-T E 56-2 E 8 A 4D | 22,3 | 13,8 | 63,5 | 21050 | 60 | 2x560 | 1320 | 2260 | 4,4 | 44 | 8,4 | 22,3 | 265 | 28 | 54 |
| GRECALE-T E 56-3 E 8 A 4D | 33,4 | 25,7 | 95,2 | 31550 | 61 | 3x560 | 1320 | 3390 | 6,6 | 46 | 12,6 | 33,5 | 345 | 35 | 54 |
| GRECALE-T E 56-4 E 8 A 4D | 44,9 | 33,5 | 126,9 | 42050 | 62 | 4x560 | 1320 | 4520 | 8,8 | 48 | 16,8 | 44,7 | 425 | 35 | 76 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE-T E 63

Industrial cubic air cooler



Ø 630 mm
FAN SIZE

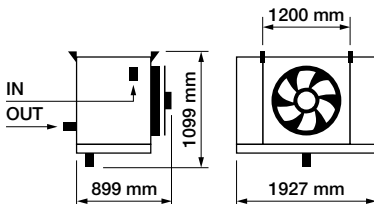
12 ÷ 70 kW
DT 8K CAPACITY

4 - 6 - 8 mm
3 FIN SPACING

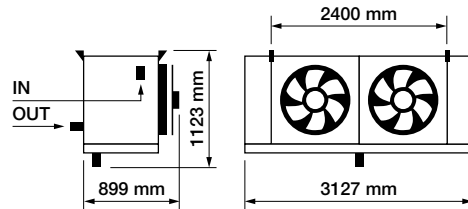


DIMENSIONS

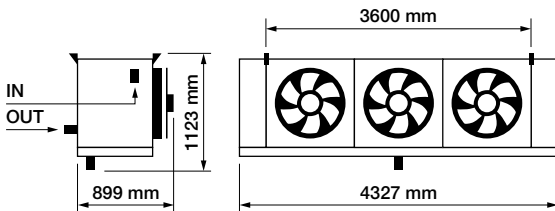
GRECALE-T E 63-1



GRECALE-T E 63-2



GRECALE-T E 63-3



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3 fans: Ø 3" GAS

SELECTION CODE

GRECALE-T E 63 1 C 6 A 4S

| | |
|------------------|--|
| GRECALE-T | industrial cubic air cooler - compact version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 63 | fan size Ø 630 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE-T E 63

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 63-1 E 4 A 4D | 22,9 | - | 80,9 | 14550 | 66 | 1x630 | 1310 | 1900 | 3,2 | 42 | 6,6 | 15,2 | 220 | 22 | 42 |
| GRECALE-T E 63-2 E 4 A 4D | 46,9 | - | 162,5 | 29100 | 69 | 2x630 | 1310 | 3800 | 6,4 | 46 | 13,2 | 30,5 | 330 | 35 | 54 |
| GRECALE-T E 63-3 E 4 A 4D | 68,9 | - | 243,8 | 43650 | 70 | 3x630 | 1310 | 5700 | 9,6 | 48 | 19,2 | 45,7 | 440 | 35 | 64 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 63-1 E 6 A 4D | 18,3 | 13,7 | 55,5 | 15200 | 66 | 1x630 | 1310 | 1900 | 3,2 | 44 | 6,6 | 15,2 | 210 | 22 | 42 |
| GRECALE-T E 63-2 E 6 A 4D | 37,3 | 29 | 111,9 | 30400 | 69 | 2x630 | 1310 | 3800 | 6,4 | 48 | 13,2 | 30,5 | 310 | 35 | 54 |
| GRECALE-T E 63-3 E 6 A 4D | 55,8 | 40,7 | 167,8 | 45500 | 70 | 3x630 | 1310 | 5700 | 9,6 | 50 | 19,2 | 45,7 | 415 | 35 | 64 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 63-1 E 8 A 4D | 15,6 | 11,8 | 42,9 | 15550 | 66 | 1x630 | 1310 | 1900 | 3,2 | 45 | 6,6 | 15,2 | 205 | 22 | 42 |
| GRECALE-T E 63-2 E 8 A 4D | 31,4 | 24,2 | 86,6 | 31100 | 69 | 2x630 | 1310 | 3800 | 6,4 | 49 | 13,2 | 30,5 | 305 | 35 | 54 |
| GRECALE-T E 63-3 E 8 A 4D | 47,7 | 35,3 | 129,8 | 46600 | 70 | 3x630 | 1310 | 5700 | 9,6 | 51 | 19,2 | 45,7 | 400 | 35 | 64 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE-T E 70

Industrial cubic air cooler



Ø 700 mm
FAN SIZE

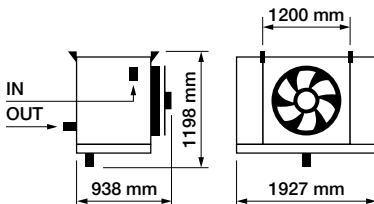
14 ÷ 78 kW
DT 8K CAPACITY

4 - 6 - 8 mm
3 FIN SPACING

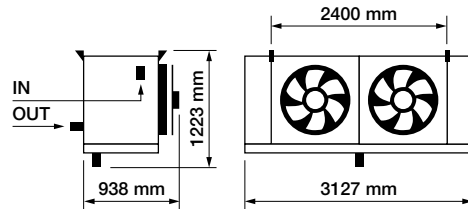


DIMENSIONS

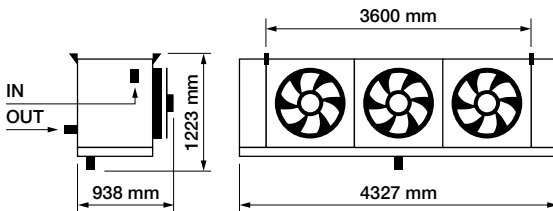
GRECALE-T E 70-1



GRECALE-T E 70-2



GRECALE-T E 70-3



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3 fans: Ø 3" GAS

SELECTION CODE

GRECALE-T E 70 1 C 6 A 4S

| | |
|------------------|--|
| GRECALE-T | industrial cubic air cooler - compact version |
| E | E = direct expansion C = CO2 dx W = brine P = pumped |
| 70 | fan size Ø 700 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE-T E 70

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 70-1 E 4 A 4D | 26,7 | - | 90,3 | 17100 | 63 | 1x710 | 1330 | 2500 | 4,75 | 60 | 6,6 | 16,9 | 245 | 28 | 42 |
| GRECALE-T E 70-2 E 4 A 4D | 53,2 | - | 180,6 | 34200 | 66 | 2x710 | 1330 | 5000 | 9,5 | 64 | 13,2 | 33,9 | 370 | 35 | 54 |
| GRECALE-T E 70-3 E 4 A 4D | 78,6 | - | 270,9 | 51250 | 67 | 3x710 | 1330 | 7500 | 14,25 | 66 | 19,2 | 50,8 | 500 | 35 | 76 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 70-1 E 6 A 4D | 21,3 | 15,9 | 62,2 | 17850 | 63 | 1x710 | 1330 | 2500 | 4,75 | 62 | 6,6 | 16,9 | 235 | 28 | 42 |
| GRECALE-T E 70-2 E 6 A 4D | 42,6 | 33,2 | 124,3 | 35750 | 66 | 2x710 | 1330 | 5000 | 9,5 | 66 | 13,2 | 33,9 | 350 | 35 | 54 |
| GRECALE-T E 70-3 E 6 A 4D | 63,7 | 46,3 | 186,5 | 53550 | 67 | 3x710 | 1330 | 7500 | 14,25 | 68 | 19,2 | 50,8 | 470 | 35 | 76 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 70-1 E 8 A 4D | 18,1 | 13,8 | 48,1 | 18300 | 63 | 1x710 | 1330 | 2500 | 4,75 | 63 | 6,6 | 16,9 | 230 | 28 | 42 |
| GRECALE-T E 70-2 E 8 A 4D | 35,9 | 27,8 | 96,2 | 36600 | 66 | 2x710 | 1330 | 5000 | 9,5 | 67 | 13,2 | 33,9 | 340 | 35 | 54 |
| GRECALE-T E 70-3 E 8 A 4D | 54,5 | 40,3 | 144,3 | 54850 | 67 | 3x710 | 1330 | 7500 | 14,25 | 69 | 19,2 | 50,8 | 455 | 35 | 76 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE-T E 71

Industrial cubic air cooler



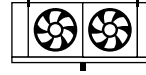
Ø 710 mm
FAN SIZE

17 ÷ 98 kW
DT 8K CAPACITY

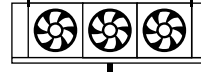
4 - 6 - 8 mm
3 FIN SPACING



GRECALE-T E 71-1



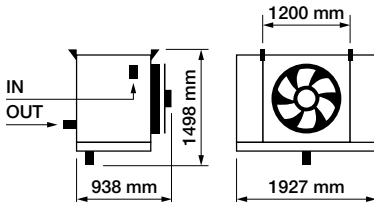
GRECALE-T E 71-2



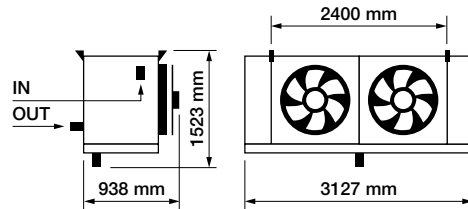
GRECALE-T E 71-3

DIMENSIONS

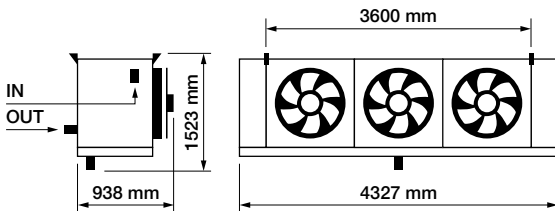
GRECALE-T E 71-1



GRECALE-T E 71-2



GRECALE-T E 71-3



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3 fans: Ø 3" GAS

SELECTION CODE

GRECALE-T E 71 1 C 6 A 4S

| | |
|------------------|--|
| GRECALE-T | industrial cubic air cooler - compact version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 71 | fan size Ø 710 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE-T E 71

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 71-1 E 4 A 4D | 33,3 | - | 117,2 | 20500 | 67 | 1x710 | 1330 | 2600 | 5,1 | 67 | c | 22 | 295 | 28 | 42 |
| GRECALE-T E 71-2 E 4 A 4D | 67,4 | - | 234,8 | 41050 | 69 | 2x710 | 1330 | 5200 | 10,2 | 71 | 15,4 | 44 | 445 | 42 | 54 |
| GRECALE-T E 71-3 E 4 A 4D | 98,4 | - | 352,1 | 61500 | 71 | 3x710 | 1330 | 7800 | 15,3 | 73 | 22,4 | 66 | 600 | 42 | 76 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 71-1 E 6 A 4D | 26,2 | 20,3 | 80,6 | 21150 | 67 | 1x710 | 1330 | 2600 | 5,1 | 69 | 7,7 | 22 | 280 | 28 | 42 |
| GRECALE-T E 71-2 E 6 A 4D | 52,9 | 41,1 | 161,6 | 42350 | 69 | 2x710 | 1330 | 5200 | 10,2 | 73 | 15,4 | 44 | 420 | 42 | 54 |
| GRECALE-T E 71-3 E 6 A 4D | 79,3 | 57,8 | 242,4 | 63450 | 71 | 3x710 | 1330 | 7800 | 15,3 | 75 | 22,4 | 66 | 565 | 42 | 76 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 71-1 E 8 A 4D | 22 | 16,9 | 62,3 | 21500 | 67 | 1x710 | 1330 | 2600 | 5,1 | 70 | 7,7 | 22 | 275 | 28 | 42 |
| GRECALE-T E 71-2 E 8 A 4D | 44,3 | 34,1 | 125 | 43050 | 69 | 2x710 | 1330 | 5200 | 10,2 | 74 | 15,4 | 44 | 405 | 42 | 54 |
| GRECALE-T E 71-3 E 8 A 4D | 67,5 | 50 | 187,5 | 64550 | 71 | 3x710 | 1330 | 7800 | 15,3 | 76 | 22,4 | 66 | 545 | 42 | 76 |

SC2: T_c=0°C, UR 85%, T_{ev}=-8°C, R404A
 SC3: T_c=-18°C, UR 95%, T_{ev}=-25°C, R404A

GRECALE-T E 80

Industrial cubic air cooler



Ø 800 mm
FAN SIZE

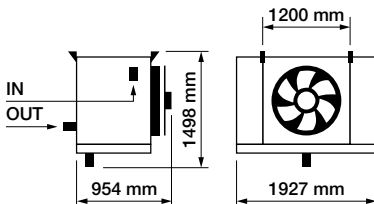
16 ÷ 92 kW
DT 8K CAPACITY

4 - 6 - 8 mm
3 FIN SPACING

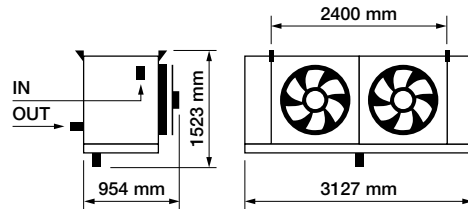


DIMENSIONS

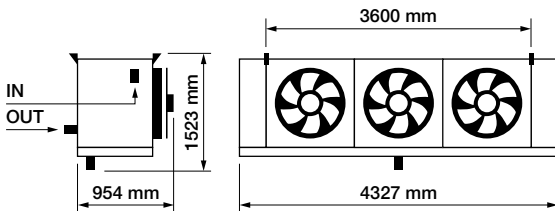
GRECALE-T E 80-1



GRECALE-T E 80-2



GRECALE-T E 80-3



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3 fans: Ø 3" GAS

SELECTION CODE

GRECALE-T E 80 1 C 6 A 4S

| | |
|------------------|--|
| GRECALE-T | industrial cubic air cooler - compact version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 80 | fan size Ø 800 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE-T E 80

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 80-1 E 4 A 4D | 31,1 | - | 117,2 | 17800 | 63 | 1x800 | 870 | 1750 | 3,9 | 54 | 7,7 | 22 | 300 | 28 | 54 |
| GRECALE-T E 80-2 E 4 A 4D | 62,7 | - | 234,8 | 35600 | 65 | 2x800 | 870 | 3500 | 7,8 | 58 | 15,4 | 44 | 455 | 42 | 64 |
| GRECALE-T E 80-3 E 4 A 4D | 91,8 | - | 352,1 | 53400 | 67 | 3x800 | 870 | 5250 | 11,7 | 60 | 22,4 | 66 | 610 | 42 | 76 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 80-1 E 6 A 4D | 24,6 | 19,1 | 80,6 | 18700 | 63 | 1x800 | 870 | 1750 | 3,9 | 56 | 7,7 | 22 | 285 | 28 | 54 |
| GRECALE-T E 80-2 E 6 A 4D | 49,6 | 38,6 | 161,6 | 37350 | 65 | 2x800 | 870 | 3500 | 7,8 | 60 | 15,4 | 44 | 425 | 42 | 64 |
| GRECALE-T E 80-3 E 6 A 4D | 74,4 | 54,7 | 242,4 | 56000 | 67 | 3x800 | 870 | 5250 | 11,7 | 62 | 22,4 | 66 | 570 | 42 | 76 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|---------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE-T E 80-1 E 8 A 4D | 20,8 | 15,9 | 62,3 | 19200 | 63 | 1x800 | 870 | 1750 | 3,9 | 57 | 7,7 | 22 | 280 | 28 | 54 |
| GRECALE-T E 80-2 E 8 A 4D | 41,9 | 32 | 125 | 38400 | 65 | 2x800 | 870 | 3500 | 7,8 | 61 | 15,4 | 44 | 415 | 42 | 64 |
| GRECALE-T E 80-3 E 8 A 4D | 63,8 | 47,8 | 187,5 | 57500 | 67 | 3x800 | 870 | 5250 | 11,7 | 63 | 22,4 | 66 | 550 | 42 | 76 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

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GRECALE E 50

Industrial cubic air cooler



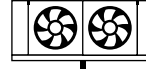
Ø 500 mm
FAN SIZE

7 ÷ 60 kW
DT 8K CAPACITY

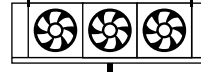
4 - 6 - 8 - 10 - 12 mm
5 FIN SPACING



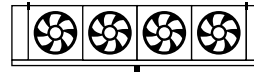
GRECALE E 50-1



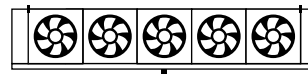
GRECALE E 50-2



GRECALE E 50-3



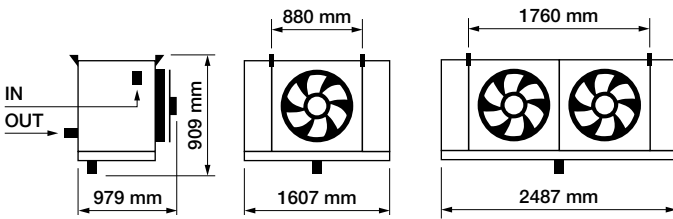
GRECALE E 50-4



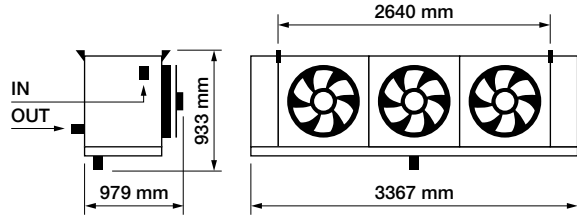
GRECALE E 50-5

DIMENSIONS

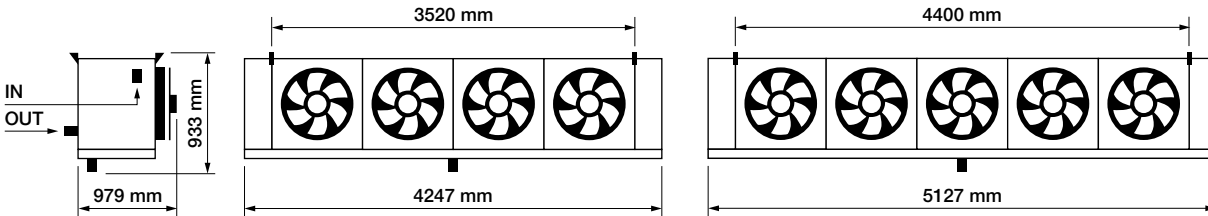
GRECALE E 50-1 / GRECALE E 50-2



GRECALE E 50-3



GRECALE E 50-4 / GRECALE E 50-5



Connection drip tray discharge:

- 1-2 fans: Ø 2" GAS
- 3-4-5 fans: Ø 3" GAS

SELECTION CODE

GRECALE E 50 1 C 6 A 4S

| | |
|----------------|--|
| GRECALE | industrial cubic air cooler - large version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 50 | fan size Ø 500 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE E 50

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 50-1 E 4 A 4D | 13,6 | - | 94,4 | 6550 | 52 | 1x500 | 1340 | 760 | 1,45 | 30 | 6,3 | 8,7 | 190 | 16 | 35 |
| GRECALE E 50-2 E 4 A 4D | 27,6 | - | 188,8 | 13100 | 55 | 2x500 | 1340 | 1520 | 2,9 | 34 | 12,6 | 17,4 | 290 | 28 | 54 |
| GRECALE E 50-3 E 4 A 4D | 41,5 | - | 283,2 | 19650 | 56 | 3x500 | 1340 | 2280 | 4,35 | 36 | 18,9 | 26,1 | 395 | 28 | 54 |
| GRECALE E 50-4 E 4 A 4D | 52,4 | - | 377,6 | 26150 | 57 | 4x500 | 1340 | 3040 | 5,8 | 38 | 25,2 | 34,8 | 495 | 28 | 64 |
| GRECALE E 50-5 E 4 A 4D | 60,1 | - | 458,9 | 31650 | 58 | 5x500 | 1340 | 3800 | 7,25 | 40 | 31,5 | 77,1 | 610 | 28 | 76 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 50-1 E 6 A 4D | 11,2 | 8,9 | 63,9 | 7000 | 52 | 1x500 | 1340 | 760 | 1,45 | 32 | 6,3 | 8,7 | 175 | 16 | 35 |
| GRECALE E 50-2 E 6 A 4D | 22,6 | 18,2 | 127,9 | 14000 | 55 | 2x500 | 1340 | 1520 | 2,9 | 36 | 12,6 | 17,4 | 265 | 28 | 54 |
| GRECALE E 50-3 E 6 A 4D | 34 | 27,4 | 191,8 | 21000 | 56 | 3x500 | 1340 | 2280 | 4,35 | 38 | 18,9 | 26,1 | 360 | 28 | 54 |
| GRECALE E 50-4 E 6 A 4D | 44,2 | 33,2 | 255,8 | 28000 | 57 | 4x500 | 1340 | 3040 | 5,8 | 40 | 25,2 | 34,8 | 445 | 28 | 64 |
| GRECALE E 50-5 E 6 A 4D | 51,1 | 42,1 | 312,6 | 34100 | 58 | 5x500 | 1340 | 3800 | 7,25 | 42 | 31,5 | 77,1 | 545 | 28 | 76 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 50-1 E 8 A 4D | 9,7 | 7,9 | 48,7 | 7300 | 52 | 1x500 | 1340 | 760 | 1,45 | 33 | 6,3 | 8,7 | 170 | 16 | 35 |
| GRECALE E 50-2 E 8 A 4D | 19,5 | 16,1 | 97,4 | 14550 | 55 | 2x500 | 1340 | 1520 | 2,9 | 37 | 12,6 | 17,4 | 250 | 28 | 54 |
| GRECALE E 50-3 E 8 A 4D | 29,4 | 24,2 | 146,1 | 21850 | 56 | 3x500 | 1340 | 2280 | 4,35 | 39 | 18,9 | 26,1 | 340 | 28 | 54 |
| GRECALE E 50-4 E 8 A 4D | 38,8 | 30 | 194,8 | 29100 | 57 | 4x500 | 1340 | 3040 | 5,8 | 41 | 25,2 | 34,8 | 420 | 28 | 64 |
| GRECALE E 50-5 E 8 A 4D | 44,4 | 36,4 | 239,5 | 35600 | 58 | 5x500 | 1340 | 3800 | 7,25 | 43 | 31,5 | 77,1 | 515 | 28 | 76 |

| FIN SPACE 10 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 50-1 E 10 A 4D | 8,6 | 7,1 | 39,6 | 7500 | 52 | 1x500 | 1340 | 760 | 1,45 | 33 | 6,3 | 8,7 | 165 | 16 | 35 |
| GRECALE E 50-2 E 10 A 4D | 17,3 | 14,4 | 79,1 | 14950 | 55 | 2x500 | 1340 | 1520 | 2,9 | 37 | 12,6 | 17,4 | 245 | 28 | 54 |
| GRECALE E 50-3 E 10 A 4D | 25,9 | 21,6 | 118,7 | 22450 | 56 | 3x500 | 1340 | 2280 | 4,35 | 39 | 18,9 | 26,1 | 330 | 28 | 54 |
| GRECALE E 50-4 E 10 A 4D | 34,6 | 27,3 | 158,3 | 29900 | 57 | 4x500 | 1340 | 3040 | 5,8 | 41 | 25,2 | 34,8 | 405 | 28 | 64 |
| GRECALE E 50-5 E 10 A 4D | 38,3 | 32,3 | 195,6 | 36600 | 58 | 5x500 | 1340 | 3800 | 7,25 | 43 | 31,5 | 77,1 | 495 | 28 | 76 |

| FIN SPACE 12 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 50-1 E 12 A 4D | 7,7 | 6,4 | 33,5 | 7600 | 52 | 1x500 | 1340 | 760 | 1,45 | 35 | 6,3 | 8,7 | 165 | 16 | 35 |
| GRECALE E 50-2 E 12 A 4D | 15,5 | 12,9 | 67 | 15250 | 55 | 2x500 | 1340 | 1520 | 2,9 | 39 | 12,6 | 17,4 | 240 | 28 | 54 |
| GRECALE E 50-3 E 12 A 4D | 23,3 | 19,4 | 100,4 | 22850 | 56 | 3x500 | 1340 | 2280 | 4,35 | 41 | 18,9 | 26,1 | 320 | 28 | 54 |
| GRECALE E 50-4 E 12 A 4D | 31,4 | 25,3 | 133,9 | 30450 | 57 | 4x500 | 1340 | 3040 | 5,8 | 43 | 25,2 | 34,8 | 395 | 28 | 64 |
| GRECALE E 50-5 E 12 A 4D | 33,9 | 28,9 | 166,3 | 37350 | 58 | 5x500 | 1340 | 3800 | 7,25 | 45 | 31,5 | 77,1 | 485 | 28 | 76 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE E 56

Industrial cubic air cooler



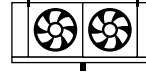
Ø 560 mm
FAN SIZE

8 ÷ 80 kW
DT 8K CAPACITY

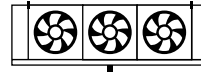
4 - 6 - 8 - 10 - 12 mm
5 FIN SPACING



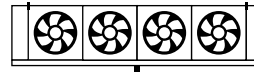
GRECALE E 56-1



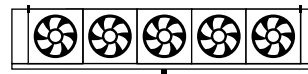
GRECALE E 56-2



GRECALE E 56-3



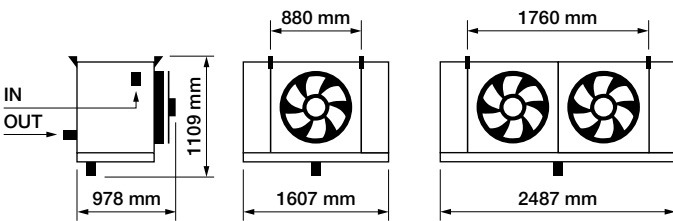
GRECALE E 56-4



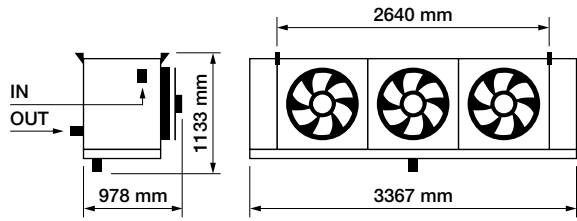
GRECALE E 56-5

DIMENSIONS

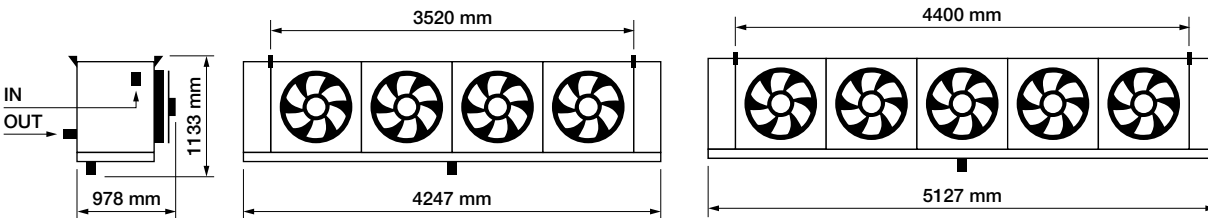
GRECALE E 56-1 / GRECALE E 56-2



GRECALE E 56-3



GRECALE E 56-4 / GRECALE E 56-5



Connection drip tray discharge:

1-2 fans: Ø 2" GAS
3-4-5 fans: Ø 3" GAS

SELECTION CODE

GRECALE E 56 1 C 6 A 4S

| | |
|----------------|--|
| GRECALE | industrial cubic air cooler - large version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 56 | fan size Ø 560 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE E 56

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 56-1 E 4 A 4D | 18 | - | 121,4 | 8950 | 57 | 1x560 | 1320 | 1130 | 2,2 | 35 | 7,7 | 11,2 | 230 | 22 | 42 |
| GRECALE E 56-2 E 4 A 4D | 36,5 | - | 242,7 | 17900 | 60 | 2x560 | 1320 | 2260 | 4,4 | 39 | 15,4 | 22,3 | 360 | 28 | 54 |
| GRECALE E 56-3 E 4 A 4D | 55 | - | 364,1 | 26800 | 61 | 3x560 | 1320 | 3390 | 6,6 | 41 | 23,1 | 33,5 | 490 | 35 | 54 |
| GRECALE E 56-4 E 4 A 4D | 69,2 | - | 485,5 | 35750 | 62 | 4x560 | 1320 | 4520 | 8,8 | 43 | 30,8 | 44,7 | 615 | 35 | 76 |
| GRECALE E 56-5 E 4 A 4D | 79,5 | - | 590,1 | 43150 | 63 | 5x560 | 1320 | 5650 | 11 | 45 | 38,5 | 99,1 | 755 | 35 | 76 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 56-1 E 6 A 4D | 14,8 | 11,8 | 82,2 | 9600 | 57 | 1x560 | 1320 | 1130 | 2,2 | 37 | 7,7 | 11,2 | 210 | 22 | 42 |
| GRECALE E 56-2 E 6 A 4D | 29,9 | 24 | 164,4 | 19200 | 60 | 2x560 | 1320 | 2260 | 4,4 | 41 | 15,4 | 22,3 | 325 | 28 | 54 |
| GRECALE E 56-3 E 6 A 4D | 45 | 36,2 | 246,6 | 28850 | 61 | 3x560 | 1320 | 3390 | 6,6 | 43 | 23,1 | 33,5 | 440 | 35 | 54 |
| GRECALE E 56-4 E 6 A 4D | 58,4 | 43,7 | 328,8 | 38400 | 62 | 4x560 | 1320 | 4520 | 8,8 | 45 | 30,8 | 44,7 | 550 | 35 | 76 |
| GRECALE E 56-5 E 6 A 4D | 67,6 | 56 | 402 | 46700 | 63 | 5x560 | 1320 | 5650 | 11 | 47 | 38,5 | 99,1 | 675 | 35 | 76 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 56-1 E 8 A 4D | 12,8 | 10,5 | 62,6 | 10000 | 57 | 1x560 | 1320 | 1130 | 2,2 | 38 | 7,7 | 11,2 | 205 | 22 | 42 |
| GRECALE E 56-2 E 8 A 4D | 25,8 | 21,3 | 125,3 | 20000 | 60 | 2x560 | 1320 | 2260 | 4,4 | 42 | 15,4 | 22,3 | 310 | 28 | 54 |
| GRECALE E 56-3 E 8 A 4D | 38,8 | 32 | 187,9 | 30000 | 61 | 3x560 | 1320 | 3390 | 6,6 | 44 | 23,1 | 33,5 | 415 | 35 | 54 |
| GRECALE E 56-4 E 8 A 4D | 51,2 | 39,5 | 250,5 | 40000 | 62 | 4x560 | 1320 | 4520 | 8,8 | 46 | 30,8 | 44,7 | 515 | 35 | 76 |
| GRECALE E 56-5 E 8 A 4D | 59,1 | 48,4 | 307,9 | 48800 | 63 | 5x560 | 1320 | 5650 | 11 | 48 | 38,5 | 99,1 | 635 | 35 | 76 |

| FIN SPACE 10 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 56-1 E 10 A 4D | 11,4 | 9,4 | 50,9 | 10300 | 57 | 1x560 | 1320 | 1130 | 2,2 | 38 | 7,7 | 11,2 | 200 | 22 | 42 |
| GRECALE E 56-2 E 10 A 4D | 22,8 | 19 | 101,8 | 20550 | 60 | 2x560 | 1320 | 2260 | 4,4 | 42 | 15,4 | 22,3 | 300 | 28 | 54 |
| GRECALE E 56-3 E 10 A 4D | 34,3 | 28,6 | 152,6 | 30850 | 61 | 3x560 | 1320 | 3390 | 6,6 | 44 | 23,1 | 33,5 | 400 | 35 | 54 |
| GRECALE E 56-4 E 10 A 4D | 45,7 | 35,9 | 203,5 | 41050 | 62 | 4x560 | 1320 | 4520 | 8,8 | 46 | 30,8 | 44,7 | 500 | 35 | 76 |
| GRECALE E 56-5 E 10 A 4D | 51 | 42,9 | 251,5 | 50300 | 63 | 5x560 | 1320 | 5650 | 11 | 48 | 38,5 | 99,1 | 610 | 35 | 76 |

| FIN SPACE 12 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 56-1 E 12 A 4D | 10,2 | 8,5 | 43 | 10450 | 57 | 1x560 | 1320 | 1130 | 2,2 | 40 | 7,7 | 11,2 | 195 | 22 | 42 |
| GRECALE E 56-2 E 12 A 4D | 20,5 | 17,1 | 86,1 | 20950 | 60 | 2x560 | 1320 | 2260 | 4,4 | 44 | 15,4 | 22,3 | 295 | 28 | 54 |
| GRECALE E 56-3 E 12 A 4D | 30,8 | 25,7 | 129,1 | 31400 | 61 | 3x560 | 1320 | 3390 | 6,6 | 46 | 23,1 | 33,5 | 390 | 35 | 54 |
| GRECALE E 56-4 E 12 A 4D | 41,4 | 33,4 | 172,2 | 41850 | 62 | 4x560 | 1320 | 4520 | 8,8 | 48 | 30,8 | 44,7 | 485 | 35 | 76 |
| GRECALE E 56-5 E 12 A 4D | 45,1 | 38,5 | 213,9 | 51350 | 63 | 5x560 | 1320 | 5650 | 11 | 50 | 38,5 | 99,1 | 595 | 35 | 76 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE E 63

Industrial cubic air cooler



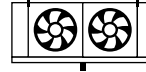
Ø 630 mm
FAN SIZE

12 ÷ 110 kW
DT 8K CAPACITY

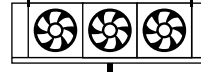
4 - 6 - 8 - 10 - 12 mm
5 FIN SPACING



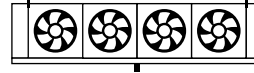
GRECALE E 63-1



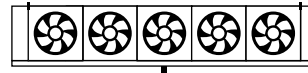
GRECALE E 63-2



GRECALE E 63-3



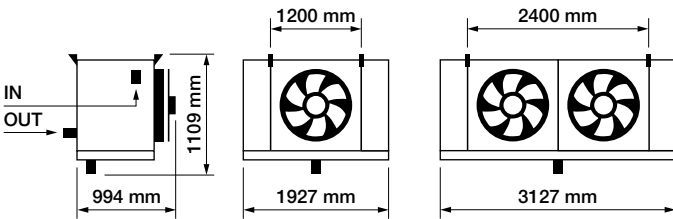
GRECALE E 63-4



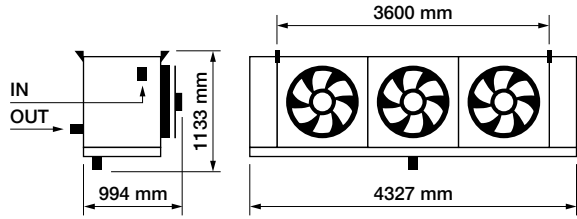
GRECALE E 63-5

DIMENSIONS

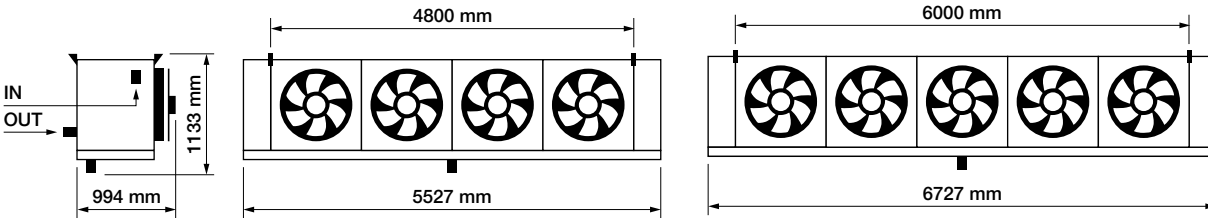
GRECALE E 63-1 / GRECALE E 63-2



GRECALE E 63-3



GRECALE E 63-4 / GRECALE E 63-5



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3 fans: Ø 3" GAS

4-5 fans: Ø 4" GAS

SELECTION CODE

GRECALE E 63 1 C 6 A 4S

| | |
|----------------|--|
| GRECALE | industrial cubic air cooler - large version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 63 | fan size Ø 630 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE E 63

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 63-1 E 4 A 4D | 24,5 | - | 165,1 | 13200 | 66 | 1x630 | 1310 | 1900 | 3,2 | 40 | 12,1 | 15,2 | 270 | 22 | 42 |
| GRECALE E 63-2 E 4 A 4D | 52,5 | - | 331 | 26450 | 69 | 2x630 | 1310 | 3800 | 6,4 | 44 | 24,2 | 30,5 | 440 | 35 | 54 |
| GRECALE E 63-3 E 4 A 4D | 72,7 | - | 496,5 | 39650 | 70 | 3x630 | 1310 | 5700 | 9,6 | 46 | 35,2 | 45,7 | 605 | 35 | 64 |
| GRECALE E 63-4 E 4 A 4D | 90,1 | - | 643,7 | 51200 | 71 | 4x630 | 1310 | 7600 | 12,8 | 48 | 47,3 | 108,1 | 785 | 35 | 89 |
| GRECALE E 63-5 E 4 A 4D | 110 | - | 804,6 | 63950 | 72 | 5x630 | 1310 | 9500 | 16 | 50 | 55,2 | 135,1 | 970 | 35 | 89 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 63-1 E 6 A 4D | 20,4 | 15,6 | 111,7 | 14150 | 66 | 1x630 | 1310 | 1900 | 3,2 | 42 | 12,1 | 15,2 | 250 | 22 | 42 |
| GRECALE E 63-2 E 6 A 4D | 42,3 | 34,6 | 224,2 | 28350 | 69 | 2x630 | 1310 | 3800 | 6,4 | 46 | 24,2 | 30,5 | 395 | 35 | 54 |
| GRECALE E 63-3 E 6 A 4D | 61,3 | 45,4 | 336,3 | 42450 | 70 | 3x630 | 1310 | 5700 | 9,6 | 48 | 35,2 | 45,7 | 540 | 35 | 64 |
| GRECALE E 63-4 E 6 A 4D | 76,8 | 62,3 | 438,5 | 55100 | 71 | 4x630 | 1310 | 7600 | 12,8 | 50 | 47,3 | 108,1 | 695 | 35 | 89 |
| GRECALE E 63-5 E 6 A 4D | 95,9 | 72,9 | 548,1 | 68850 | 72 | 5x630 | 1310 | 9500 | 16 | 52 | 55,2 | 135,1 | 860 | 35 | 89 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 63-1 E 8 A 4D | 17,7 | 13,9 | 85 | 14750 | 66 | 1x560 | 1310 | 1900 | 3,2 | 43 | 12,1 | 15,2 | 240 | 22 | 42 |
| GRECALE E 63-2 E 8 A 4D | 36,3 | 30,4 | 170,8 | 29450 | 69 | 2x630 | 1310 | 3800 | 6,4 | 47 | 24,2 | 30,5 | 375 | 35 | 54 |
| GRECALE E 63-3 E 8 A 4D | 53,8 | 41,1 | 256,2 | 44150 | 70 | 3x630 | 1310 | 5700 | 9,6 | 49 | 35,2 | 45,7 | 510 | 35 | 64 |
| GRECALE E 63-4 E 8 A 4D | 67,3 | 55,6 | 335,9 | 57450 | 71 | 4x630 | 1310 | 7600 | 12,8 | 51 | 47,3 | 108,1 | 655 | 35 | 89 |
| GRECALE E 63-5 E 8 A 4D | 85,2 | 66,4 | 419,9 | 71750 | 72 | 5x630 | 1310 | 9500 | 16 | 53 | 55,2 | 135,1 | 805 | 35 | 89 |

| FIN SPACE 10 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 63-1 E 10 A 4D | 15,8 | 12,6 | 69 | 15100 | 66 | 1x560 | 1310 | 1900 | 3,2 | 43 | 12,1 | 15,2 | 230 | 22 | 42 |
| GRECALE E 63-2 E 10 A 4D | 32 | 27 | 138,8 | 30250 | 69 | 2x630 | 1310 | 3800 | 6,4 | 47 | 24,2 | 30,5 | 360 | 35 | 54 |
| GRECALE E 63-3 E 10 A 4D | 48 | 37,5 | 208,1 | 45300 | 70 | 3x630 | 1310 | 5700 | 9,6 | 49 | 35,2 | 45,7 | 490 | 35 | 64 |
| GRECALE E 63-4 E 10 A 4D | 60,3 | 49,4 | 274,3 | 59100 | 71 | 4x630 | 1310 | 7600 | 12,8 | 51 | 47,3 | 108,1 | 625 | 35 | 89 |
| GRECALE E 63-5 E 10 A 4D | 77 | 61,1 | 342,9 | 73800 | 72 | 5x630 | 1310 | 9500 | 16 | 53 | 55,2 | 135,1 | 770 | 35 | 89 |

| FIN SPACE 12 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 63-1 E 12 A 4D | 14,3 | 11,6 | 58,3 | 15400 | 66 | 1x560 | 1310 | 1900 | 3,2 | 45 | 12,1 | 15,2 | 225 | 22 | 42 |
| GRECALE E 63-2 E 12 A 4D | 28,8 | 24 | 117,4 | 30800 | 69 | 2x630 | 1310 | 3800 | 6,4 | 49 | 24,2 | 30,5 | 350 | 35 | 54 |
| GRECALE E 63-3 E 12 A 4D | 43,6 | 34,5 | 176,1 | 46150 | 70 | 3x630 | 1310 | 5700 | 9,6 | 51 | 35,2 | 45,7 | 475 | 35 | 64 |
| GRECALE E 63-4 E 12 A 4D | 53,9 | 44,5 | 233,3 | 60300 | 71 | 4x630 | 1310 | 7600 | 12,8 | 53 | 47,3 | 108,1 | 610 | 35 | 89 |
| GRECALE E 63-5 E 12 A 4D | 70,6 | 56,7 | 291,6 | 75250 | 72 | 5x630 | 1310 | 9500 | 16 | 55 | 55,2 | 135,1 | 750 | 35 | 89 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE E 70

Industrial cubic air cooler



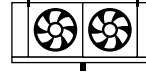
Ø 700 mm
FAN SIZE

14 ÷ 124 kW
DT 8K CAPACITY

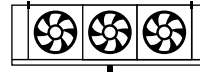
4 - 6 - 8 - 10 - 12 mm
5 FIN SPACING



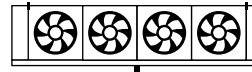
GRECALE E 70-1



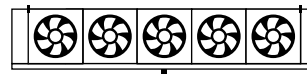
GRECALE E 70-2



GRECALE E 70-3



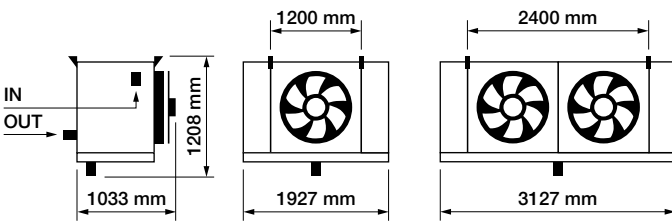
GRECALE E 70-4



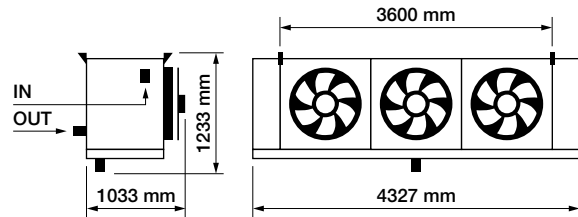
GRECALE E 70-5

DIMENSIONS

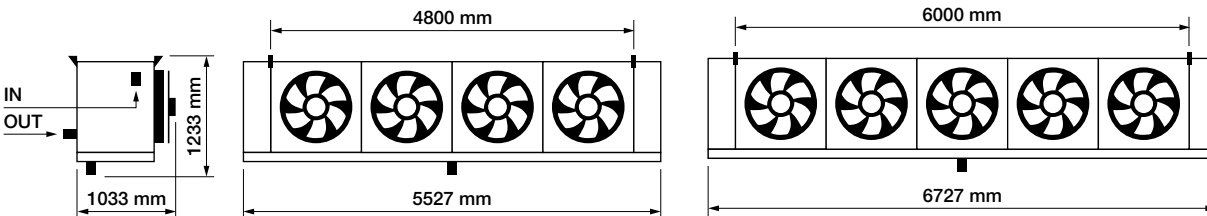
GRECALE E 70-1 / GRECALE E 70-2



GRECALE E 70-3



GRECALE E 70-4 / GRECALE E 70-5



Connection drip tray discharge:

1-2 fans: Ø 2" GAS

3 fans: Ø 3" GAS

4-5 fans: Ø 4" GAS

SELECTION CODE

GRECALE E 70 1 C 6 A 4S

| | |
|----------------|--|
| GRECALE | industrial cubic air cooler - large version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 70 | fan size Ø 700 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE E 70

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 70-1 E 4 A 4D | 28,4 | - | 183,9 | 15350 | 63 | 1x710 | 1330 | 2500 | 4,75 | 60 | 13,2 | 16,9 | 300 | 28 | 42 |
| GRECALE E 70-2 E 4 A 4D | 57,7 | - | 367,8 | 30700 | 66 | 2x710 | 1330 | 5000 | 9,5 | 61 | 26,4 | 33,9 | 485 | 35 | 54 |
| GRECALE E 70-3 E 4 A 4D | 82,2 | - | 551,7 | 46000 | 67 | 3x710 | 1330 | 7500 | 14,25 | 61 | 38,4 | 50,8 | 665 | 35 | 76 |
| GRECALE E 70-4 E 4 A 4D | 101,9 | - | 715,2 | 59300 | 68 | 4x710 | 1330 | 10000 | 19 | 62 | 51,6 | 120,1 | 875 | 35 | 89 |
| GRECALE E 70-5 E 4 A 4D | 124,3 | - | 894 | 74050 | 69 | 5x710 | 1330 | 12500 | 23,75 | 63 | 55,2 | 150,1 | 1065 | 35 | 89 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 70-1 E 6 A 4D | 23,5 | 18,1 | 124,6 | 16500 | 63 | 1x710 | 1330 | 2500 | 4,75 | 61 | 13,2 | 16,9 | 280 | 28 | 42 |
| GRECALE E 70-2 E 6 A 4D | 48 | 39,2 | 249,1 | 33050 | 66 | 2x710 | 1330 | 5000 | 9,5 | 62 | 26,4 | 33,9 | 440 | 35 | 54 |
| GRECALE E 70-3 E 6 A 4D | 69,4 | 51,3 | 373,7 | 49500 | 67 | 3x710 | 1330 | 7500 | 14,25 | 62 | 38,4 | 50,8 | 600 | 35 | 76 |
| GRECALE E 70-4 E 6 A 4D | 87 | 70,5 | 487,2 | 64150 | 68 | 4x710 | 1330 | 10000 | 19 | 63 | 51,6 | 120,1 | 775 | 35 | 89 |
| GRECALE E 70-5 E 6 A 4D | 108,5 | 82,3 | 609 | 80100 | 69 | 5x710 | 1330 | 12500 | 23,75 | 64 | 55,2 | 150,1 | 945 | 35 | 89 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 70-1 E 8 A 4D | 20,5 | 16,2 | 94,9 | 17200 | 63 | 1x710 | 1330 | 2500 | 4,75 | 62 | 13,2 | 16,9 | 265 | 28 | 42 |
| GRECALE E 70-2 E 8 A 4D | 41,2 | 34,5 | 189,8 | 34450 | 66 | 2x710 | 1330 | 5000 | 9,5 | 63 | 26,4 | 33,9 | 415 | 35 | 54 |
| GRECALE E 70-3 E 8 A 4D | 60,9 | 46,4 | 284,7 | 51650 | 67 | 3x710 | 1330 | 7500 | 14,25 | 63 | 38,4 | 50,8 | 565 | 35 | 76 |
| GRECALE E 70-4 E 8 A 4D | 76,3 | 63,1 | 373,2 | 67150 | 68 | 4x710 | 1330 | 10000 | 19 | 64 | 51,6 | 120,1 | 725 | 35 | 89 |
| GRECALE E 70-5 E 8 A 4D | 96,5 | 75,1 | 466,5 | 83800 | 69 | 5x710 | 1330 | 12500 | 23,75 | 65 | 55,2 | 150,1 | 885 | 35 | 89 |

| FIN SPACE 10 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 71-1 E 10 A 4D | 22,6 | 19 | 100 | 21150 | 67 | 1x710 | 1330 | 2600 | 5,1 | 65 | 13,2 | 22 | 305 | 28 | 42 |
| GRECALE E 71-2 E 10 A 4D | 45,6 | 38,4 | 200,4 | 42250 | 69 | 2x710 | 1330 | 5200 | 10,2 | 69 | 26,4 | 44 | 475 | 42 | 54 |
| GRECALE E 71-3 E 10 A 4D | 68,5 | 53,5 | 300,6 | 63350 | 71 | 3x710 | 1330 | 7800 | 15,3 | 71 | 38,4 | 66 | 645 | 42 | 76 |
| GRECALE E 71-4 E 10 A 4D | 86,2 | 70,4 | 396,3 | 83100 | 72 | 4x710 | 1330 | 10400 | 20,4 | 73 | 51,6 | 156,1 | 835 | 42 | 89 |
| GRECALE E 71-5 E 10 A 4D | 110 | 87,4 | 495,4 | 103800 | 73 | 5x710 | 1330 | 13000 | 25,5 | 75 | 55,2 | 195,1 | 1015 | 42 | 89 |

| FIN SPACE 12 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 70-1 E 12 A 4D | 16,5 | 13,5 | 65,2 | 18050 | 63 | 1x710 | 1330 | 2500 | 4,75 | 64 | 13,2 | 16,9 | 255 | 28 | 42 |
| GRECALE E 70-2 E 12 A 4D | 32,8 | 27,3 | 130,4 | 36100 | 66 | 2x710 | 1330 | 5000 | 9,5 | 65 | 26,4 | 33,9 | 390 | 35 | 54 |
| GRECALE E 70-3 E 12 A 4D | 49,5 | 39,1 | 195,7 | 54100 | 67 | 3x710 | 1330 | 7500 | 14,25 | 65 | 38,4 | 50,8 | 525 | 35 | 76 |
| GRECALE E 70-4 E 12 A 4D | 61,6 | 50,8 | 259,2 | 70650 | 68 | 4x710 | 1330 | 10000 | 19 | 66 | 51,6 | 120,1 | 680 | 35 | 89 |
| GRECALE E 70-5 E 12 A 4D | 80,1 | 64,3 | 324 | 88150 | 69 | 5x710 | 1330 | 12500 | 23,75 | 67 | 55,2 | 150,1 | 825 | 35 | 89 |

SC2: Tc=0°C, UR 85%, Tev=-8°C, R404A
 SC3: Tc=-18°C, UR 95%, Tev=-25°C, R404A

GRECALE E 71

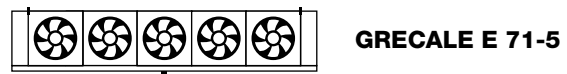
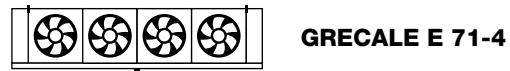
Industrial cubic air cooler



Ø 710 mm
FAN SIZE

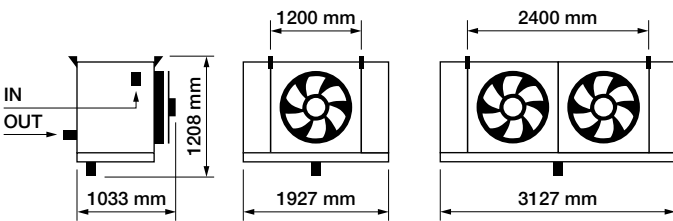
17 ÷ 159 kW
DT 8K CAPACITY

4 - 6 - 8 - 10 - 12 mm
5 FIN SPACING

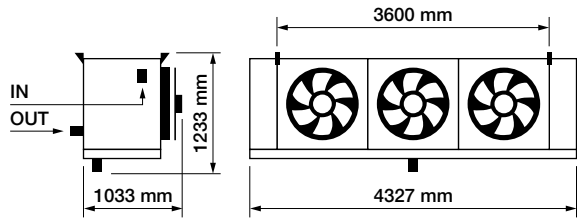


DIMENSIONS

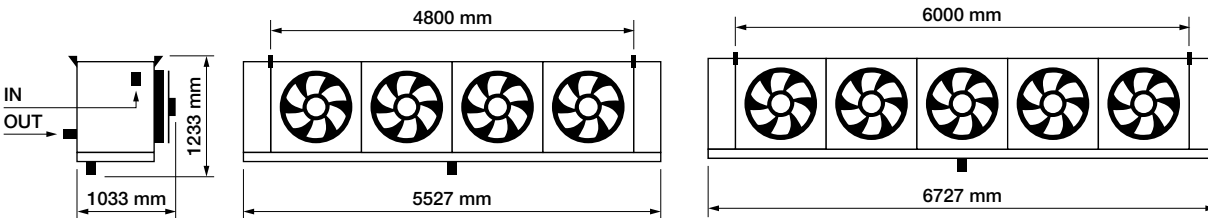
GRECALE E 71-1 / GRECALE E 71-2



GRECALE E 71-3



GRECALE E 71-4 / GRECALE E 71-5



Connection drip tray discharge:

- 1-2 fans: Ø 2" GAS
- 3 fans: Ø 3" GAS
- 4-5 fans: Ø 4" GAS

SELECTION CODE

GRECALE E 71 1 C 6 A 4S

| | |
|----------------|--|
| GRECALE | industrial cubic air cooler - large version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 71 | fan size Ø 710 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE E 71

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 71-1 E 4 A 4D | 37,3 | - | 238,9 | 19000 | 67 | 1x630 | 1330 | 2600 | 5,1 | 62 | 15,4 | 22 | 360 | 28 | 42 |
| GRECALE E 71-2 E 4 A 4D | 75,6 | - | 478,1 | 38000 | 69 | 2x710 | 1330 | 5200 | 10,2 | 66 | 30,8 | 44 | 590 | 42 | 54 |
| GRECALE E 71-3 E 4 A 4D | 104,8 | - | 717,2 | 57000 | 71 | 3x710 | 1330 | 7800 | 15,3 | 68 | 44,8 | 66 | 815 | 42 | 76 |
| GRECALE E 71-4 E 4 A 4D | 130,1 | - | 929,8 | 73900 | 72 | 4x710 | 1330 | 10400 | 20,4 | 70 | 60,2 | 156,1 | 1065 | 42 | 89 |
| GRECALE E 71-5 E 4 A 4D | 158,8 | - | 1162,2 | 92300 | 73 | 5x710 | 1330 | 13000 | 25,5 | 72 | 73,6 | 195,1 | 1300 | 42 | 89 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 71-1 E 6 A 4D | 30,1 | 24,4 | 161,7 | 20100 | 67 | 1x710 | 1330 | 2600 | 5,1 | 64 | 15,4 | 22 | 330 | 28 | 42 |
| GRECALE E 71-2 E 6 A 4D | 60,7 | 49,6 | 323,8 | 40250 | 69 | 2x710 | 1330 | 5200 | 10,2 | 68 | 30,8 | 44 | 525 | 42 | 54 |
| GRECALE E 71-3 E 6 A 4D | 88 | 65,2 | 485,8 | 60300 | 71 | 3x710 | 1330 | 7800 | 15,3 | 70 | 44,8 | 66 | 720 | 42 | 76 |
| GRECALE E 71-4 E 6 A 4D | 110,4 | 89,6 | 633,4 | 78700 | 72 | 4x710 | 1330 | 10400 | 20,4 | 72 | 60,2 | 156,1 | 935 | 42 | 89 |
| GRECALE E 71-5 E 6 A 4D | 137,9 | 104,8 | 791,7 | 98250 | 73 | 5x710 | 1330 | 13000 | 25,5 | 74 | 73,6 | 195,1 | 1140 | 42 | 89 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 71-1 E 8 A 4D | 25,7 | 21,4 | 123,2 | 20750 | 67 | 1x710 | 1330 | 2600 | 5,1 | 65 | 15,4 | 22 | 315 | 28 | 42 |
| GRECALE E 71-2 E 8 A 4D | 51,9 | 43,4 | 246,7 | 41450 | 69 | 2x710 | 1330 | 5200 | 10,2 | 69 | 30,8 | 44 | 495 | 42 | 54 |
| GRECALE E 71-3 E 8 A 4D | 76,9 | 58,8 | 370,1 | 62150 | 71 | 3x710 | 1330 | 7800 | 15,3 | 71 | 44,8 | 66 | 675 | 42 | 76 |
| GRECALE E 71-4 E 8 A 4D | 96,5 | 79,6 | 485,2 | 81400 | 72 | 4x710 | 1330 | 10400 | 20,4 | 73 | 60,2 | 156,1 | 875 | 42 | 89 |
| GRECALE E 71-5 E 8 A 4D | 122,1 | 95,3 | 606,5 | 101650 | 73 | 5x710 | 1330 | 13000 | 25,5 | 75 | 73,6 | 195,1 | 1060 | 42 | 89 |

| FIN SPACE 10 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 71-1 E 10 A 4D | 22,6 | 19 | 100 | 21150 | 67 | 1x710 | 1330 | 2600 | 5,1 | 65 | 15,4 | 22 | 305 | 28 | 42 |
| GRECALE E 71-2 E 10 A 4D | 45,6 | 38,4 | 200,4 | 42250 | 69 | 2x710 | 1330 | 5200 | 10,2 | 69 | 30,8 | 44 | 475 | 42 | 54 |
| GRECALE E 71-3 E 10 A 4D | 68,5 | 53,5 | 300,6 | 63350 | 71 | 3x710 | 1330 | 7800 | 15,3 | 71 | 44,8 | 66 | 645 | 42 | 76 |
| GRECALE E 71-4 E 10 A 4D | 86,2 | 70,4 | 396,3 | 83100 | 72 | 4x710 | 1330 | 10400 | 20,4 | 73 | 60,2 | 156,1 | 835 | 42 | 89 |
| GRECALE E 71-5 E 10 A 4D | 110 | 87,4 | 495,4 | 103800 | 73 | 5x710 | 1330 | 13000 | 25,5 | 75 | 73,6 | 195,1 | 1015 | 42 | 89 |

| FIN SPACE 12 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 71-1 E 12 A 4D | 20,3 | 16,9 | 84,6 | 21400 | 67 | 1x710 | 1330 | 2600 | 5,1 | 67 | 15,4 | 22 | 300 | 28 | 42 |
| GRECALE E 71-2 E 12 A 4D | 41 | 34,1 | 169,6 | 42850 | 69 | 2x710 | 1330 | 5200 | 10,2 | 71 | 30,8 | 44 | 465 | 42 | 54 |
| GRECALE E 71-3 E 12 A 4D | 62 | 49,2 | 254,4 | 64200 | 71 | 3x710 | 1330 | 7800 | 15,3 | 73 | 44,8 | 66 | 625 | 42 | 76 |
| GRECALE E 71-4 E 12 A 4D | 76,6 | 63,8 | 337 | 84400 | 72 | 4x710 | 1330 | 10400 | 20,4 | 75 | 60,2 | 156,1 | 810 | 42 | 89 |
| GRECALE E 71-5 E 12 A 4D | 100,7 | 81 | 421,3 | 105400 | 73 | 5x710 | 1330 | 13000 | 25,5 | 77 | 73,6 | 195,1 | 985 | 42 | 89 |

SC2: T_c=0°C, UR 85%, T_{ev}=-8°C, R404A
 SC3: T_c=-18°C, UR 95%, T_{ev}=-25°C, R404A

GRECALE E 80

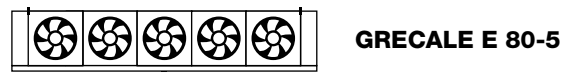
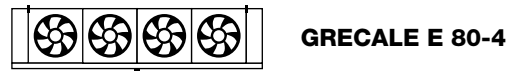
Industrial cubic air cooler



Ø 800 mm
FAN SIZE

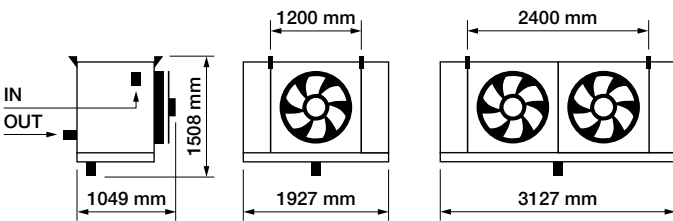
16 ÷ 150 kW
DT 8K CAPACITY

4 - 6 - 8 - 10 - 12 mm
5 FIN SPACING

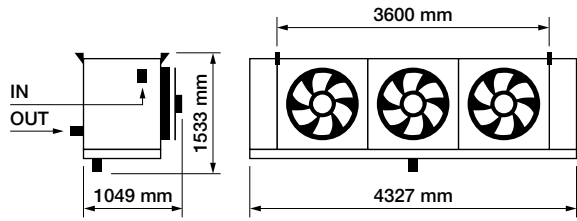


DIMENSIONS

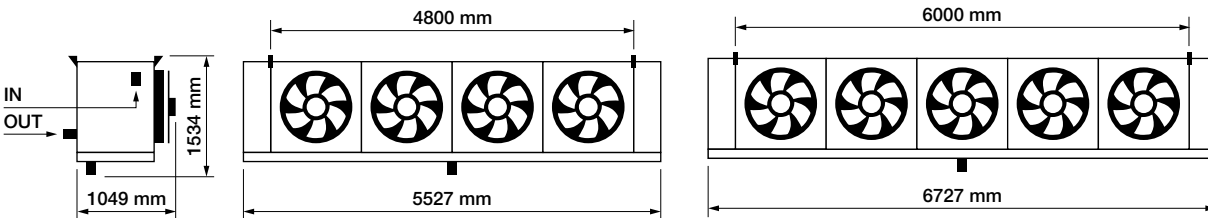
GRECALE E 80-1 / GRECALE E 80-2



GRECALE E 80-3



GRECALE E 80-4 / GRECALE E 80-5



Connection drip tray discharge:

- 1-2 fans: Ø 2" GAS
- 3 fans: Ø 3" GAS
- 4-5 fans: Ø 4" GAS

SELECTION CODE

GRECALE E 80 1 C 6 A 4S

| | |
|----------------|--|
| GRECALE | industrial cubic air cooler - large version |
| E | E = direct expansion C = CO ₂ dx W = brine P = pumped |
| 80 | fan size Ø 800 mm |
| 1 | number of fans |
| C | coil type |
| 6 | fin spacing mm |

| | |
|-----------|--|
| A | A = air defrost E = electric defrost W = water defrost |
| 4 | electric motor poles |
| S | S = single phase D = three phase high speed Y = three phase slow speed |
| EC | electronic motor if present |

GRECALE E 80

Industrial cubic air cooler



| FIN SPACE 4 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 80-1 E 4 A 4D | 34,6 | - | 238,9 | 16250 | 63 | 1x800 | 870 | 1750 | 3,9 | 56 | 15,4 | 22 | 370 | 28 | 54 |
| GRECALE E 80-2 E 4 A 4D | 69,9 | - | 478,1 | 32500 | 65 | 2x800 | 870 | 3500 | 7,8 | 57 | 30,8 | 44 | 595 | 42 | 64 |
| GRECALE E 80-3 E 4 A 4D | 98,1 | - | 717,2 | 48750 | 67 | 3x800 | 870 | 5250 | 11,7 | 57 | 44,8 | 66 | 825 | 42 | 76 |
| GRECALE E 80-4 E 4 A 4D | 120,8 | - | 929,8 | 62550 | 68 | 4x800 | 870 | 7000 | 15,6 | 58 | 60,2 | 156,1 | 1075 | 42 | 108 |
| GRECALE E 80-5 E 4 A 4D | 150,3 | - | 1162,2 | 78100 | 69 | 5x800 | 870 | 8750 | 19,5 | 59 | 73,6 | 195,2 | 1315 | 42 | 108 |

| FIN SPACE 6 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 80-1 E 6 A 4D | 28,4 | 23,2 | 161,7 | 17550 | 63 | 1x800 | 870 | 1750 | 3,9 | 57 | 15,4 | 22 | 335 | 28 | 54 |
| GRECALE E 80-2 E 6 A 4D | 57,2 | 47,1 | 323,8 | 35100 | 65 | 2x800 | 870 | 3500 | 7,8 | 58 | 30,8 | 44 | 530 | 42 | 64 |
| GRECALE E 80-3 E 6 A 4D | 83,3 | 62,2 | 485,8 | 52600 | 67 | 3x800 | 870 | 5250 | 11,7 | 58 | 44,8 | 66 | 730 | 42 | 76 |
| GRECALE E 80-4 E 6 A 4D | 103,7 | 84,4 | 633,4 | 68050 | 68 | 4x800 | 870 | 7000 | 15,6 | 59 | 60,2 | 156,1 | 945 | 42 | 108 |
| GRECALE E 80-5 E 6 A 4D | 129,9 | 99,5 | 791,7 | 85000 | 69 | 5x800 | 870 | 8750 | 19,5 | 60 | 73,6 | 195,2 | 1155 | 42 | 108 |

| FIN SPACE 8 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|-------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 80-1 E 8 A 4D | 24,4 | 20,3 | 123,2 | 18300 | 63 | 1x800 | 870 | 1750 | 3,9 | 58 | 15,4 | 22 | 320 | 28 | 54 |
| GRECALE E 80-2 E 8 A 4D | 49,2 | 41,1 | 246,7 | 36650 | 65 | 2x800 | 870 | 3500 | 7,8 | 59 | 30,8 | 44 | 505 | 42 | 64 |
| GRECALE E 80-3 E 8 A 4D | 73,2 | 56,3 | 370,1 | 54900 | 67 | 3x800 | 870 | 5250 | 11,7 | 59 | 44,8 | 66 | 680 | 42 | 76 |
| GRECALE E 80-4 E 8 A 4D | 91,2 | 74,5 | 485,2 | 71300 | 68 | 4x800 | 870 | 7000 | 15,6 | 60 | 60,2 | 156,1 | 885 | 42 | 108 |
| GRECALE E 80-5 E 8 A 4D | 115,6 | 90,7 | 606,5 | 89050 | 69 | 5x800 | 870 | 8750 | 19,5 | 61 | 73,6 | 195,2 | 1075 | 42 | 108 |

| FIN SPACE 10 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 80-1 E 10 A 4D | 21,5 | 17,9 | 100 | 18800 | 63 | 1x800 | 870 | 1750 | 3,9 | 59 | 15,4 | 22 | 310 | 28 | 54 |
| GRECALE E 80-2 E 10 A 4D | 43,4 | 36,2 | 200,4 | 37650 | 65 | 2x800 | 870 | 3500 | 7,8 | 60 | 30,8 | 44 | 485 | 42 | 64 |
| GRECALE E 80-3 E 10 A 4D | 65,4 | 51,3 | 300,6 | 56400 | 67 | 3x800 | 870 | 5250 | 11,7 | 60 | 44,8 | 66 | 655 | 42 | 76 |
| GRECALE E 80-4 E 10 A 4D | 81 | 66,2 | 396,3 | 73500 | 68 | 4x800 | 870 | 7000 | 15,6 | 61 | 60,2 | 156,1 | 845 | 42 | 108 |
| GRECALE E 80-5 E 10 A 4D | 104,6 | 83,4 | 495,4 | 91750 | 69 | 5x800 | 870 | 8750 | 19,5 | 62 | 73,6 | 195,2 | 1030 | 42 | 108 |

| FIN SPACE 12 mm | CAPACITY | | SURFACE m ² | AIR FLOW m ³ /h | SOUND PRESSURE dB(A) @ 5m | N° FANS x DIAMETER Nr. x Ø mm | FAN SPEED Rpm | POWER W | CURRENT A | AIR THROW m | DEFROSTING POWER kW | VOLUME dm ³ | WEIGHT kg | Ø IN mm | Ø OUT mm |
|--------------------------|----------|----------|---------------------------|-------------------------------|---------------------------------|-------------------------------------|------------------|------------|--------------|----------------|---------------------------|---------------------------|--------------|------------|-------------|
| | SC2 - kW | SC3 - kW | | | | | | | | | | | | | |
| GRECALE E 80-1 E 12 A 4D | 19,4 | 16 | 84,6 | 19200 | 63 | 1x800 | 870 | 1750 | 3,9 | 60 | 15,4 | 22 | 305 | 28 | 54 |
| GRECALE E 80-2 E 12 A 4D | 38,8 | 32,3 | 169,6 | 38350 | 65 | 2x800 | 870 | 3500 | 7,8 | 61 | 30,8 | 44 | 470 | 42 | 64 |
| GRECALE E 80-3 E 12 A 4D | 59,4 | 47,7 | 254,4 | 57500 | 67 | 3x800 | 870 | 5250 | 11,7 | 61 | 44,8 | 66 | 635 | 42 | 76 |
| GRECALE E 80-4 E 12 A 4D | 72 | 60,1 | 337 | 75100 | 68 | 4x800 | 870 | 7000 | 15,6 | 62 | 60,2 | 156,1 | 820 | 42 | 108 |
| GRECALE E 80-5 E 12 A 4D | 96 | 76,9 | 421,3 | 93650 | 69 | 5x800 | 870 | 8750 | 19,5 | 63 | 73,6 | 195,2 | 995 | 42 | 108 |

SC2: T_c=0°C, UR 85%, T_{ev}=-8°C, R404A
 SC3: T_c=-18°C, UR 95%, T_{ev}=-25°C, R404A

GRECALE-T E 56
GRECALE-T E 63
GRECALE-T E 70
GRECALE-T E 71
GRECALE-T E 80
GRECALE E 50
GRECALE E 56
GRECALE E 63
GRECALE E 70
GRECALE E 71
GRECALE E 80



Industrial cubic air cooler



**Great products
for great customers**