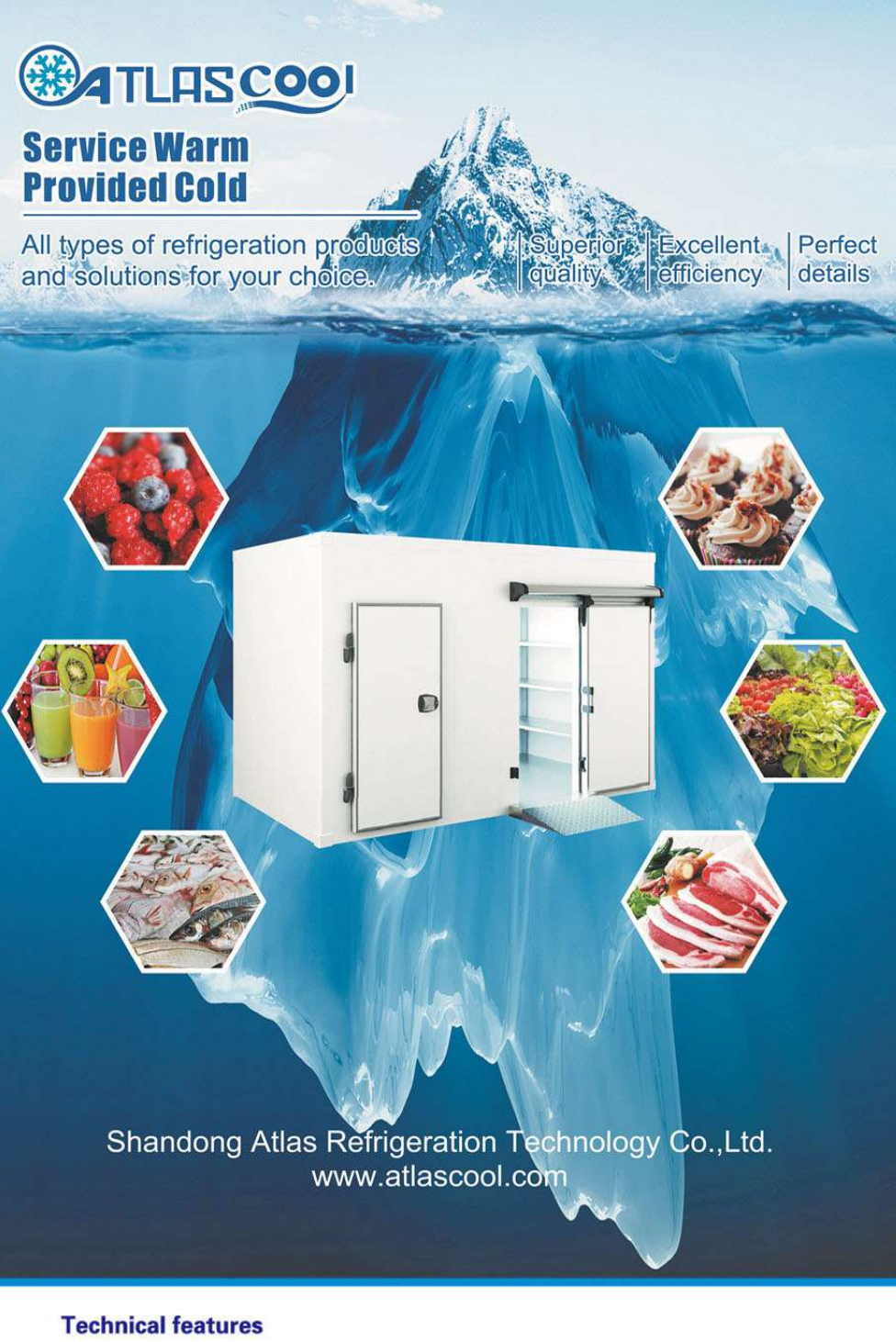
ATLASCOOL

**Service Warm**
**Provided Cold**

All types of refrigeration products and solutions for your choice.

Superior quality | Excellent efficiency | Perfect details



ATLASCOOL

# COLD ROOM SOLUTIONS

- Seafood/Meat Freezer Room
- Dairy/Ice Cream Blast Freezer
- Fruit&Vegetables Cold Room
- Pharmaceutical & Chemicals Cold Room
- Commercial Cold Room
- Ripening Room
- Flower Storage

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Shandong Atlas Refrigeration Technology Co.,Ltd.
www.atlascool.com

## TEB SERIES AIR COOLER

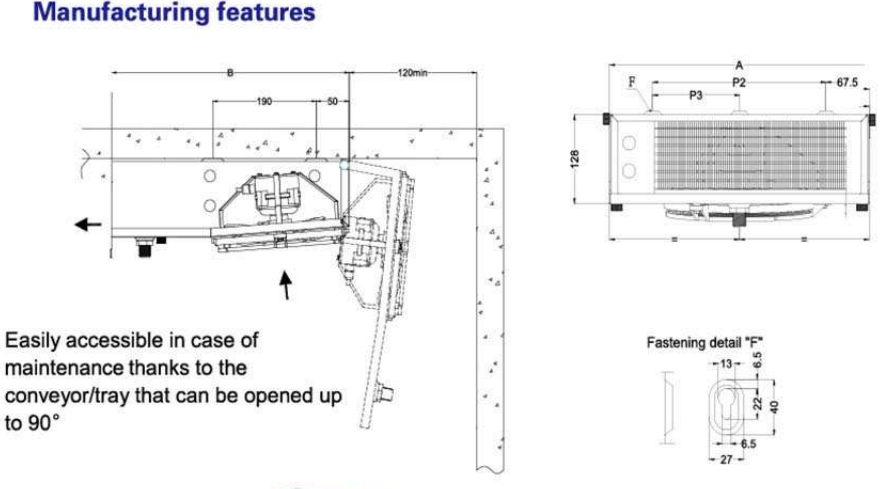
★In accordance to room temperature this range is subdivided into two types:
TEB/M ( ≥-12℃ ), with 3.5/7mm dual fin space and electrical defrost heater.
TEB/L ( ≥-25℃ ), with 4.5/9mm dual fin space and electrical defrost heater.

★Fan motor features:
Dia 200mm. single phase 230v/1ph/50/60hz
IP42 protection grade
Operating temperature : max +40℃

200mm

★Aluminum casting housing.

### Manufacturing features



Easily accessible in case of maintenance thanks to the conveyor/tray that can be opened up to 90°

### Technical features

Fin space: 3.5~7mm with electrical heater

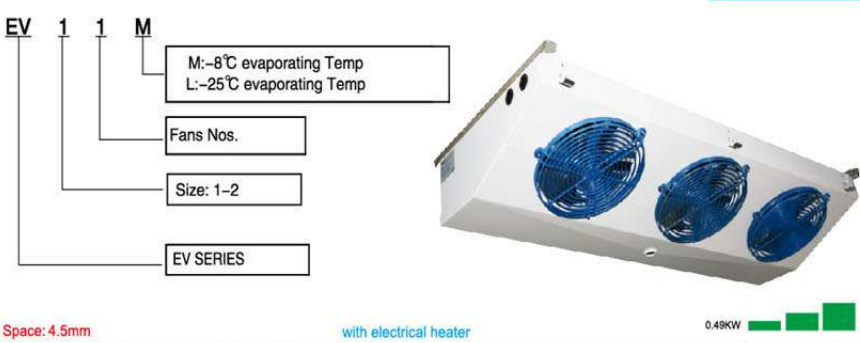
| Model | Capacity(W) R404A T.Room=+2℃ △T=10K | Air flow (m³/h) | Air throw (m) | Surface (m²) | Tube volume (dm³) | Fan motor | | | Electrical defrost (W) | Dimensions (mm) | | | | Connections | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | n×φmm | A | W | | P2 | P3 | A | B | inlet | outlet | drain |
| TEB104M | 406 | 223 | 3.0 | 1.48 | 0.38 | 1×200 | 0.25 | 43 | 290 | 271 | — | 406 | 438 | 3/8" | 3/8" | 1/2" |
| TEB106M | 595 | 195 | 2.5 | 2.22 | 0.58 | 1×200 | 0.25 | 43 | 290 | 271 | — | 406 | 438 | 3/8" | 3/8" | |
| TEB210M | 741 | 382 | 3.0 | 2.42 | 0.6 | 2×200 | 0.5 | 86 | 450 | 471 | — | 606 | 438 | 3/8" | 3/8" | |
| TEB213M | 1010 | 337 | 2.5 | 3.63 | 0.91 | 2×200 | 0.5 | 86 | 450 | 471 | — | 606 | 438 | 3/8" | 3/8" | |
| TEB318M | 1390 | 705 | 3.0 | 4.77 | 1.15 | 3×200 | 0.75 | 129 | 850 | 971 | — | 1106 | 438 | 1/2" | 5/8" | |
| TEB329M | 1910 | 595 | 2.5 | 7.16 | 1.73 | 3×200 | 0.75 | 129 | 850 | 971 | — | 1106 | 438 | 1/2" | 5/8" | |
| TEB438M | 2360 | 784 | 2.5 | 9.1 | 2.19 | 4×200 | 1 | 172 | 1100 | 1246 | 623 | 1381 | 438 | 1/2" | 5/8" | |

Fin space: 4.5~9mm with electrical heater

| Model | Capacity(W) R404A T.Room= -20℃ △T=10K | Air flow (m³/h) | Air throw (m) | Surface (m²) | Tube volume (dm³) | Fan motor | | | Electrical defrost (W) | Dimensions (mm) | | | | Connections | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | n×φmm | A | W | | P2 | P3 | A | B | inlet | outlet | drain |
| TEB104L | 346 | 243 | 3.0 | 1.18 | 0.38 | 1×200 | 0.25 | 43 | 290 | 271 | — | 406 | 438 | 3/8" | 3/8" | 1/2" |
| TEB106L | 474 | 213 | 2.5 | 1.78 | 0.58 | 1×200 | 0.25 | 43 | 290 | 271 | — | 406 | 438 | 3/8" | 3/8" | |
| TEB210L | 579 | 426 | 3.0 | 1.94 | 0.6 | 2×200 | 0.5 | 86 | 450 | 471 | — | 606 | 438 | 3/8" | 3/8" | |
| TEB213L | 707 | 382 | 2.5 | 2.9 | 0.91 | 2×200 | 0.5 | 86 | 450 | 471 | — | 606 | 438 | 3/8" | 3/8" | |
| TEB318L | 1110 | 773 | 3.0 | 3.82 | 1.15 | 3×200 | 0.75 | 129 | 850 | 971 | — | 1106 | 438 | 1/2" | 5/8" | |
| TEB329L | 1380 | 684 | 2.5 | 5.72 | 1.73 | 3×200 | 0.75 | 129 | 850 | 971 | — | 1106 | 438 | 1/2" | 5/8" | |
| TEB438L | 1570 | 866 | 2.5 | 7.28 | 2.19 | 4×200 | 1 | 172 | 1100 | 1246 | 623 | 1381 | 438 | 1/2" | 5/8" | |

## EV SERIES AIR COOLER

250mm

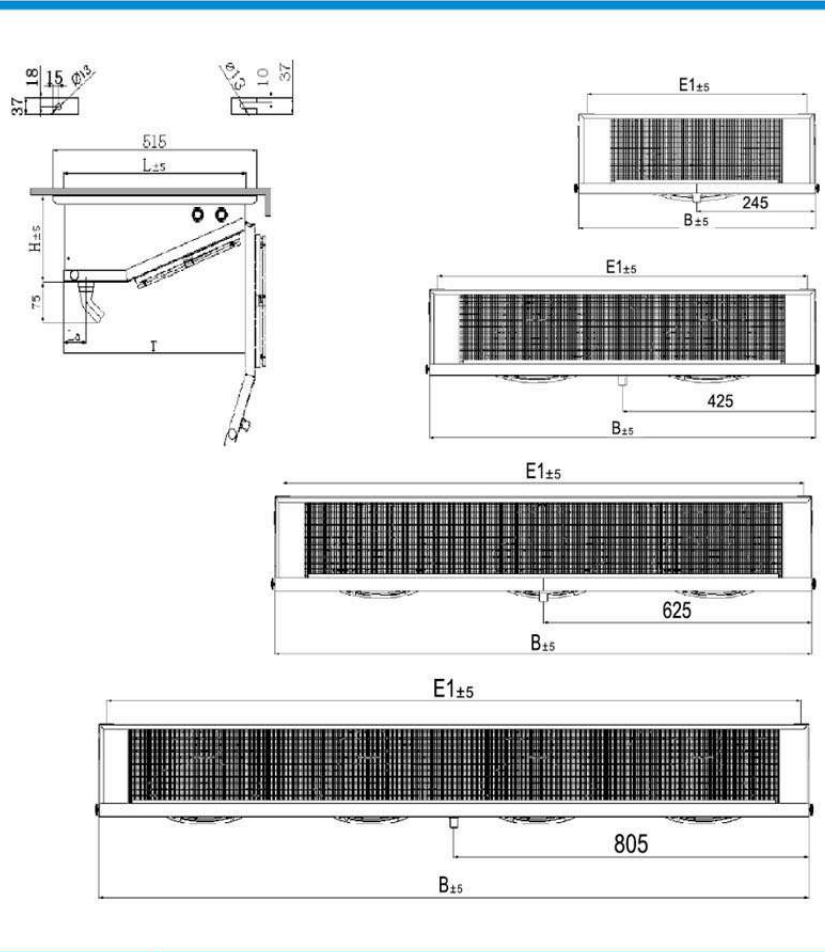


Fin Space: 4.5mm with electrical heater 0.49KW 3.06KW

| Model | Capacity (W) R404A SC2 EVAP.TEMP -8℃/8KTD | Surface (m²) | Airflow (m³/h) | Tube Volume (dm³) | Fan | | | | | Connection pipe | | Electric defrost heater (W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Quantity | Diameter (mm) | Speed (r/min) | Input power (W) | Power source | Inlet | Outlet | |
| EV11M | 490 | 2.1 | 700 | 0.7 | 1 | 250 | 1300 | 60 | 220-240V/50HZ | 3/8" | 3/8" | 290 |
| EV21M | 620 | 3.1 | 700 | 1.0 | 1 | 250 | 1300 | 60 | 220-240V/50HZ | 3/8" | 3/8" | 290 |
| EV12M | 1003 | 4.2 | 1400 | 1.3 | 2 | 250 | 1300 | 120 | 220-240V/50HZ | 1/2" | 1/2" | 540 |
| EV22M | 1280 | 6.3 | 1400 | 1.9 | 2 | 250 | 1300 | 120 | 220-240V/50HZ | 1/2" | 1/2" | 540 |
| EV13M | 1570 | 6.4 | 2100 | 1.9 | 3 | 250 | 1300 | 180 | 220-240V/50HZ | 1/2" | 5/8" | 800 |
| EV23M | 1945 | 9.6 | 2100 | 2.9 | 3 | 250 | 1300 | 180 | 220-240V/50HZ | 1/2" | 5/8" | 800 |
| EV14M | 2105 | 8.6 | 2800 | 2.6 | 4 | 250 | 1300 | 240 | 220-240V/50HZ | 1/2" | 5/8" | 1050 |
| EV24M | 2590 | 12.9 | 2800 | 3.9 | 4 | 250 | 1300 | 240 | 220-240V/50HZ | 1/2" | 5/8" | 1050 |
| EV34M | 3066 | 17.2 | 2800 | 5.1 | 4 | 250 | 1300 | 240 | 220-240V/50HZ | 1/2" | 5/8" | 1050 |

Fin Space: 6mm with electrical heater 0.36KW 2.3KW

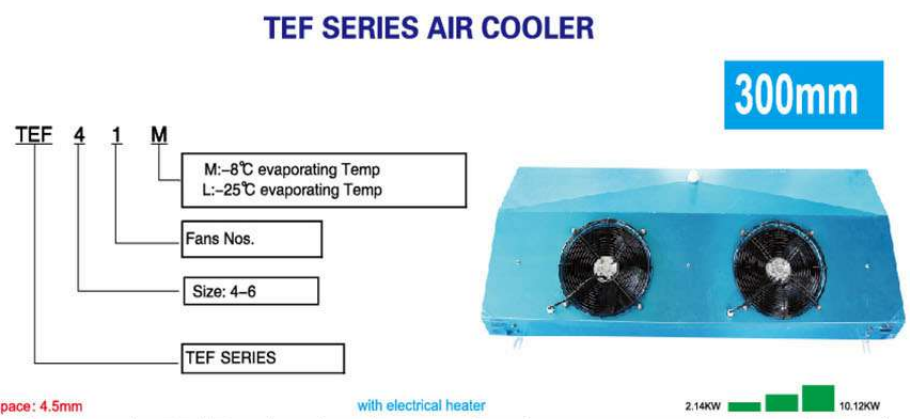
| Model | Capacity (W) R404A SC3 EVAP.TEMP -25℃/7KTD | Surface (m²) | Airflow (m³/h) | Tube Volume (dm³) | Fan | | | | | Connection pipe | | Electric defrost heater (W) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Quantity | Diameter (mm) | Speed (r/min) | Input power (W) | Power source | Inlet | Outlet | |
| EV11L | 360 | 1.6 | 700 | 0.7 | 1 | 250 | 1300 | 60 | 220-240V/50HZ | 3/8" | 3/8" | 290 |
| EV21L | 485 | 2.3 | 700 | 1.0 | 1 | 250 | 1300 | 60 | 220-240V/50HZ | 3/8" | 3/8" | 290 |
| EV12L | 760 | 3.2 | 1400 | 1.3 | 2 | 250 | 1300 | 120 | 220-240V/50HZ | 1/2" | 1/2" | 540 |
| EV22L | 1008 | 4.8 | 1400 | 1.9 | 2 | 250 | 1300 | 120 | 220-240V/50HZ | 1/2" | 1/2" | 540 |
| EV13L | 1165 | 4.8 | 2100 | 1.9 | 3 | 250 | 1300 | 180 | 220-240V/50HZ | 1/2" | 5/8" | 800 |
| EV23L | 1535 | 7.3 | 2100 | 2.9 | 3 | 250 | 1300 | 180 | 220-240V/50HZ | 1/2" | 5/8" | 800 |
| EV14L | 1562 | 6.5 | 2800 | 2.6 | 4 | 250 | 1300 | 240 | 220-240V/50HZ | 1/2" | 5/8" | 1050 |
| EV24L | 1966 | 9.7 | 2800 | 3.9 | 4 | 250 | 1300 | 240 | 220-240V/50HZ | 1/2" | 5/8" | 1050 |
| EV34L | 2308 | 12.9 | 2800 | 5.1 | 4 | 250 | 1300 | 240 | 220-240V/50HZ | 1/2" | 5/8" | 1050 |



| Model | Size (mm) | | | | | | Drain |
|---|---|---|---|---|---|---|---|
| | H | B | T | L | E1 | La | |
| EV 11M/11L | 182 | 453 | 459 | 480 | 412 | 65 | 3/4" |
| EV 21M/21L | 182 | 453 | 459 | 480 | 412 | 88 | |
| EV 12M/12L | 182 | 853 | 459 | 480 | 812 | 65 | |
| EV 22M/22L | 182 | 853 | 459 | 480 | 812 | 88 | |
| EV 13M/13L | 182 | 1233 | 459 | 480 | 1192 | 65 | |
| EV 23M/23L | 182 | 1233 | 459 | 480 | 1192 | 88 | |
| EV 14M/14L | 182 | 1613 | 459 | 480 | 1572 | 65 | |
| EV 24M/24L | 182 | 1613 | 459 | 480 | 1572 | 88 | |
| EV 34M/34L | 232 | 1613 | 459 | 480 | 1572 | 88 | |

## TEF SERIES AIR COOLER

300mm

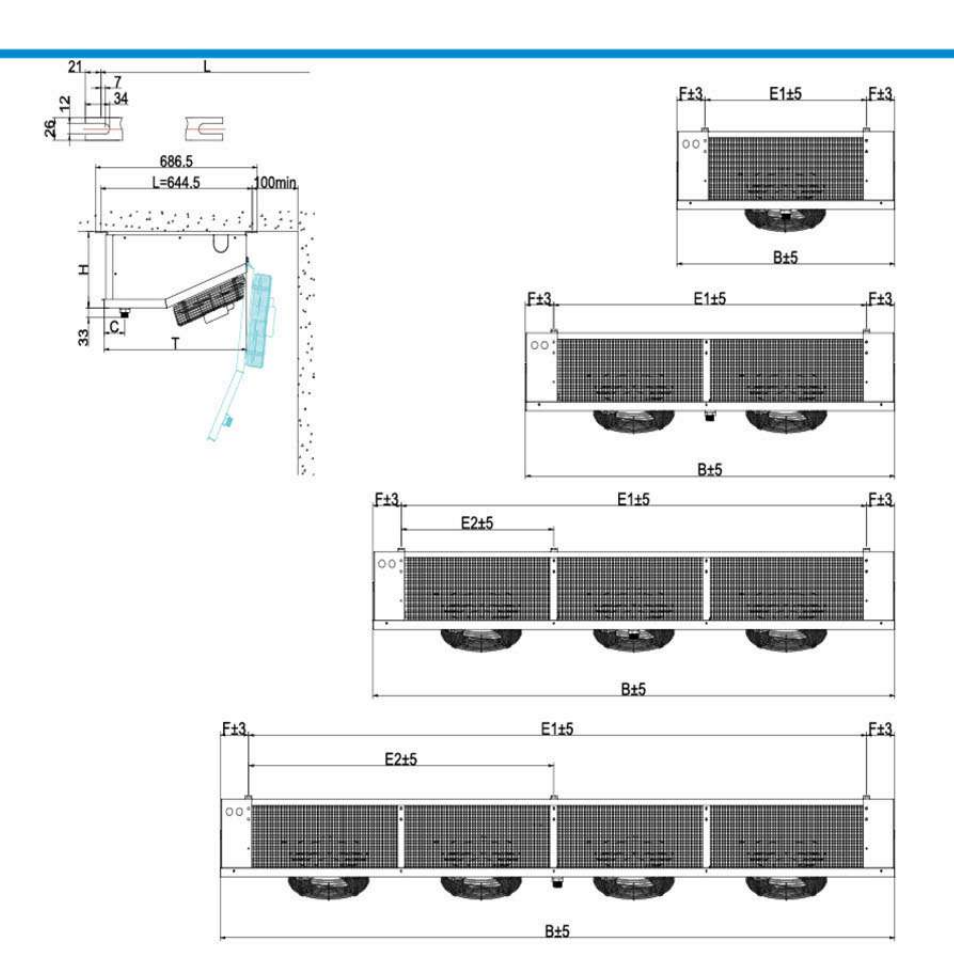


Fin space: 4.5mm with electrical heater 2.14KW 10.12KW

| Model | Capacity (KW) R404A SC2 EVAP.TEMP -8℃/8KTD | Surface m² | Air flow m³/h | Distance m | Pipe V dm³ | Connection | | Noise dB(A) | Fan motor | | | | | Electrical Defrost KW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Inlet | Outlet | | Qty x dia mm | Voltage | Speed r/min | Input power W | Current A | |
| TEF41M | 2.14 | 8.2 | 1100 | 9 | 2 | 1/2" | 1/2" | 65 | 1x300 | 220V-50HZ | 1380 | 1x90 | 0.43 | 1.25 |
| TEF61M | 2.73 | 12.2 | 1035 | 9 | 2.9 | 1/2" | 3/4" | 65 | 1x300 | 220V-50HZ | 1380 | 1x90 | 0.43 | 1.25 |
| TEF42M | 4.28 | 16.4 | 2200 | 11 | 3.6 | 1/2" | 7/8" | 68 | 2x300 | 220V-50HZ | 1380 | 2x90 | 0.43 | 2.2 |
| TEF62M | 5.16 | 24.4 | 2070 | 11 | 5.3 | 1/2" | 7/8" | 68 | 2x300 | 220V-50HZ | 1380 | 2x90 | 0.43 | 2.2 |
| TEF43M | 6.42 | 24.6 | 3300 | 12 | 5.1 | 1/2" | 7/8" | 70 | 3x300 | 220V-50HZ | 1380 | 3x90 | 0.43 | 3.2 |
| TEF63M | 7.69 | 36.6 | 3105 | 12 | 7.7 | 1/2" | 1-1/8" | 70 | 3x300 | 220V-50HZ | 1380 | 3x90 | 0.43 | 3.2 |
| TEF44M | 8.56 | 32.8 | 4400 | 16 | 6.8 | 1/2" | 1-1/8" | 71 | 4x300 | 220V-50HZ | 1380 | 4x90 | 0.43 | 4.18 |
| TEF64M | 10.12 | 48.8 | 4140 | 16 | 10.1 | 5/8" | 1-1/8" | 71 | 4x300 | 220V-50HZ | 1380 | 4x90 | 0.43 | 4.18 |

Fin space: 7mm with electrical heater 1.45KW 7.00KW

| Model | Capacity (KW) R404A SC3 EVAP.TEMP -25℃/7KTD | Surface m² | Air flow m³/h | Distance m | Pipe V dm³ | Connection | | Noise dB(A) | Fan motor | | | | | Electrical Defrost KW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Inlet | Outlet | | Qty x dia mm | Voltage | Speed r/min | Input power W | Current A | |
| TEF41L | 1.45 | 5.5 | 1300 | 9 | 2 | 1/2" | 1/2" | 65 | 1x300 | 220V-50HZ | 1380 | 1x90 | 0.43 | 1.25 |
| TEF61L | 1.95 | 8.2 | 1130 | 9 | 2.9 | 1/2" | 3/4" | 65 | 1x300 | 220V-50HZ | 1380 | 1x90 | 0.43 | 1.25 |
| TEF42L | 2.89 | 11 | 2600 | 11 | 3.6 | 1/2" | 7/8" | 68 | 2x300 | 220V-50HZ | 1380 | 2x90 | 0.43 | 2.2 |
| TEF62L | 3.6 | 16.4 | 2260 | 11 | 5.3 | 1/2" | 7/8" | 68 | 2x300 | 220V-50HZ | 1380 | 2x90 | 0.43 | 2.2 |
| TEF43L | 4.34 | 16.5 | 3900 | 12 | 5.1 | 1/2" | 7/8" | 70 | 3x300 | 220V-50HZ | 1380 | 3x90 | 0.43 | 3.2 |
| TEF63L | 5.35 | 24.6 | 3390 | 12 | 7.7 | 1/2" | 1-1/8" | 70 | 3x300 | 220V-50HZ | 1380 | 3x90 | 0.43 | 3.2 |
| TEF44L | 5.78 | 22 | 5200 | 16 | 6.8 | 1/2" | 1-1/8" | 71 | 4x300 | 220V-50HZ | 1380 | 4x90 | 0.43 | 4.18 |
| TEF64L | 7.00 | 32.8 | 4520 | 16 | 10.1 | 5/8" | 1-1/8" | 71 | 4x300 | 220V-50HZ | 1380 | 4x90 | 0.43 | 4.18 |



| Model | Size (mm) | | | | | | | | Drain |
|---|---|---|---|---|---|---|---|---|---|
| | H | B | T | L | E1 | E2 | F | C | |
| TEF41 | 264 | 874 | 607.5 | 644.5 | 647 | — | 113.5 | 87.5 | 1" |
| TEF61 | 264 | 874 | 607.5 | 644.5 | 647 | — | 113.5 | 120.5 | |
| TEF42 | 264 | 1481 | 607.5 | 644.5 | 1254 | — | 113.5 | 87.5 | |
| TEF62 | 264 | 1481 | 607.5 | 644.5 | 1254 | — | 113.5 | 120.5 | |
| TEF43 | 264 | 2093 | 607.5 | 644.5 | 1866 | 612 | 113.5 | 87.5 | |
| TEF63 | 264 | 2093 | 607.5 | 644.5 | 1866 | 612 | 113.5 | 120.5 | |
| TEF44 | 264 | 2705 | 607.5 | 644.5 | 2478 | 1224 | 113.5 | 87.5 | |
| TEF64 | 264 | 2705 | 607.5 | 644.5 | 2478 | 1224 | 113.5 | 120.5 | |

## TEM SERIES DUAL DISCHARGE AIR COOLER

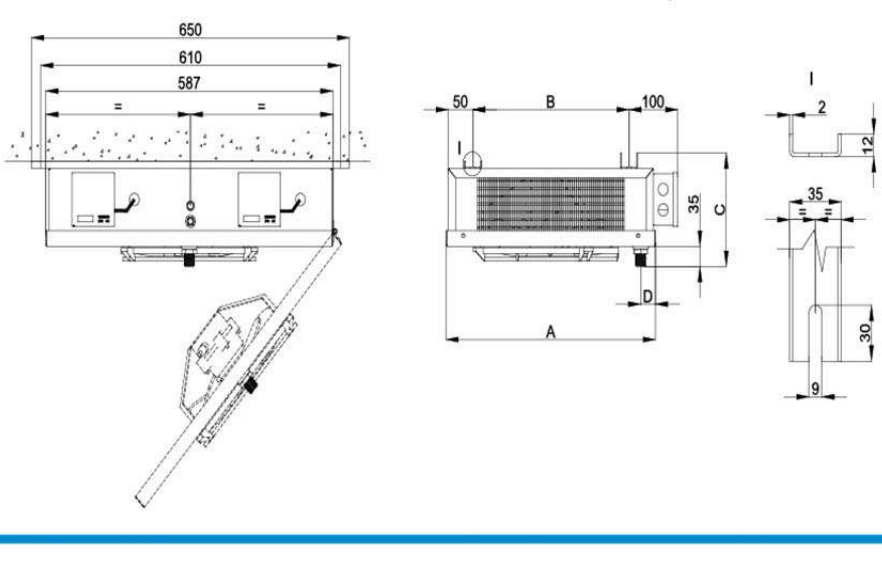
The TEM range dual discharge air coolers are suitable for application in reach-in/walk-in cabinets, display cases and small rectangular based cold rooms.

The entire range is equipped with high efficiency coils made from special profile aluminum fins and copper tube, suitable for the new generation refrigerants; with 4,5/9 mm dual fin spacing for the entire range (for room temperature ≥ -25℃)
The standard fan motors employed have the following features:

- Diameter 254 mm, single-phase 230V/1/50-60Hz and fiberglass charged polyamide fan guard;
- IP42 protection grade;
- Class B insulation;
- Internal thermal contact protection;
- Operating temp. -35℃ ~ +40℃
- Aluminium casting housing

254mm

### Manufacturing features



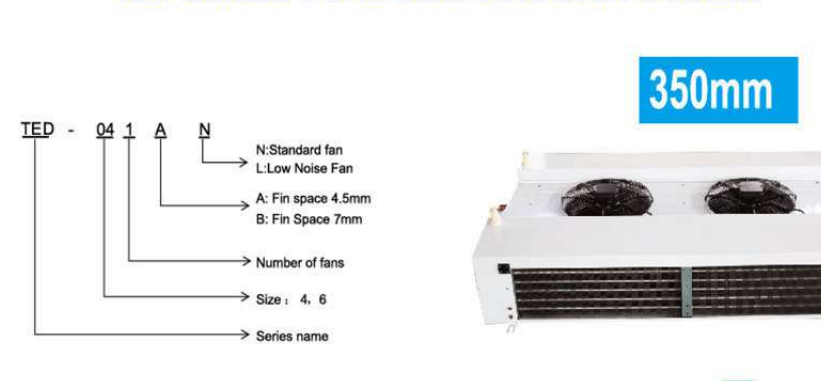
### Technical features

| Model | TEM | 80E | 100E | 160E | 200E | 300E | 400E | 500E |
|---|---|---|---|---|---|---|---|---|
| Cooling Capacity(W) T.Room -25℃, Δt=7K SC4 | | 590 | 660 | 1170 | 1330 | 1990 | 2660 | 3330 |
| Air flow | m³/h | 600 | 520 | 1200 | 1040 | 1560 | 2080 | 2600 |
| Air throw | m | 2x3.5 | 2x3 | 2x3.5 | 2x3 | 2x3 | 2x3 | 2x3 |
| Total surface | m² | 2.6 | 3.9 | 5.2 | 7.9 | 11.8 | 15.7 | 19.7 |
| Pipe volume | Dm³ | 0.7 | 1 | 1.4 | 1.92 | 3 | 4 | 5 |
| Fan motors | n×φ mm | 1x254 | 1x254 | 2x254 | 2x254 | 3x254 | 4x254 | 5x254 |
| Motor power consumption | A | 0.5 | 0.5 | 1 | 1 | 1.5 | 2 | 2.5 |
| | W | 70 | 70 | 140 | 140 | 210 | 280 | 350 |
| Electrical defrost | W | 810 | 810 | 1350 | 1350 | 1890 | 2430 | 2970 |

| Model | TEM | 80E | 100E | 160E | 200E | 300E | 400E | 500E |
|---|---|---|---|---|---|---|---|---|
| Dimension (mm) | A | 430 | 430 | 730 | 730 | 1030 | 1330 | 1630 |
| | B | 320 | 320 | 620 | 620 | 920 | 1220 | 1520 |
| | C | 172 | 172 | 185 | 185 | 185 | 185 | 185 |
| | D | 30 | 30 | 30 | 30 | 30 | 35 | 35 |
| Connections | In(SAE) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| | Out(mm) | 12 | 16 | 16 | 16 | 22 | 22 | 22 |
| | Φ(GAS) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1 | 1 |
| Drain | 1" | | | | | | | |

## TED SERIES DUAL DISCHARGE AIR COOLER

350mm



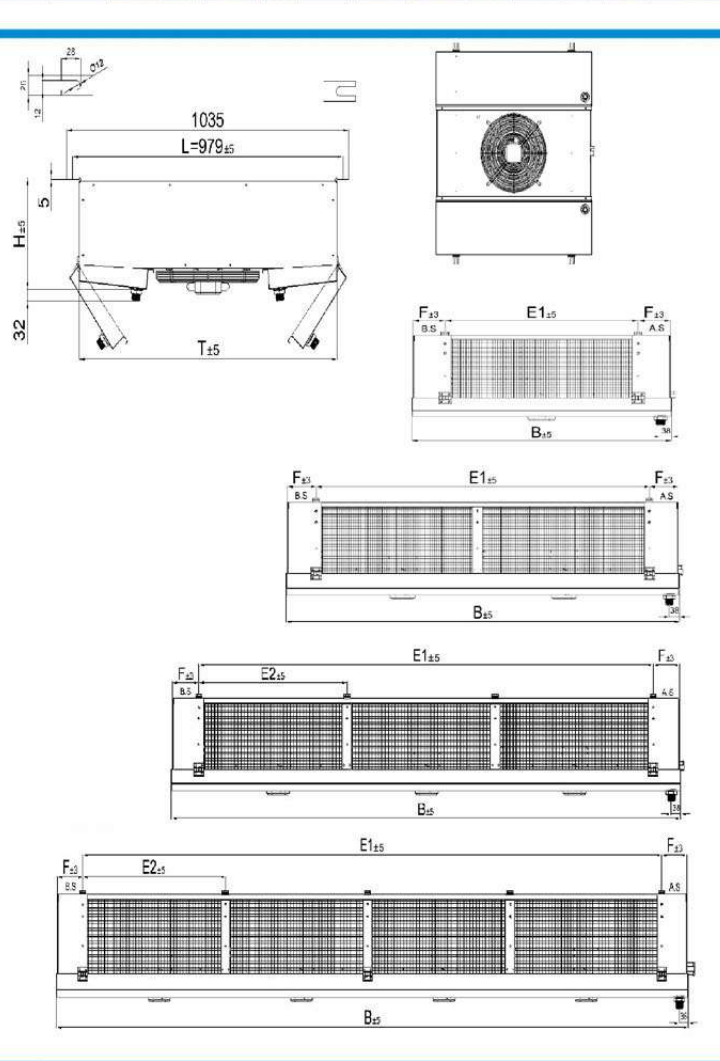
Fin space: 4.5MM with electrical heater 3.69KW 11.32KW

| Model | Cooling Capacity (R404a) Room Temp.=0℃ DT1=8KTD SC2 | Surface | Tube volume | Axial fan (220V/50HZ) | | | | | | | | Connection | | Electrical Defrost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Input Power | Current | Liquid | Gas | |
| | KW | m² | Dm³ | m³/h | M | RPM | PC | MM | dB(A) | W | A | MM | MM | KW |
| TED-041AN | 3.69 | 16.3 | 3.4 | 1720 | 2x11 | 1320 | 1 | 350 | 74 | 1*140 | 1*0.65 | 12.7 | 22 | 3.6 |
| TED-041AL | 2.66 | 16.3 | 3.4 | 1720 | 2x8 | 930 | 1 | 350 | 64 | 1*80 | 1*0.4 | 12.7 | 22 | 3.6 |
| TED-061AN | 4.33 | 24.5 | 5.2 | 1620 | 2x9 | 1320 | 1 | 350 | 74 | 1*140 | 1*0.65 | 12.7 | 22 | 3.7 |
| TED-061AL | 2.83 | 24.5 | 5.2 | 1620 | 2x5 | 930 | 1 | 350 | 64 | 1*80 | 1*0.4 | 12.7 | 22 | 3.7 |
| TED-042AN | 7.38 | 32.6 | 6.8 | 3440 | 2x12 | 1320 | 2 | 350 | 77 | 2*140 | 2*0.65 | 12.7 | 28 | 6.5 |
| TED-042AL | 5.32 | 32.6 | 6.8 | 3440 | 2x9 | 930 | 2 | 350 | 67 | 2*80 | 2*0.4 | 12.7 | 28 | 6.5 |
| TED-062AN | 8.66 | 49.1 | 10.4 | 3240 | 2x10 | 1320 | 2 | 350 | 77 | 2*140 | 2*0.65 | 12.7 | 28 | 6.6 |
| TED-062AL | 5.66 | 49.1 | 10.4 | 3240 | 2x6 | 930 | 2 | 350 | 67 | 2*80 | 2*0.4 | 12.7 | 28 | 6.6 |
| TED-043AN | 11.10 | 48.9 | 10.2 | 5160 | 2x13 | 1320 | 3 | 350 | 79 | 3*140 | 3*0.65 | 12.7 | 28 | 9.4 |
| TED-043AL | 7.98 | 48.9 | 10.2 | 5160 | 2x10 | 930 | 3 | 350 | 69 | 3*80 | 3*0.4 | 12.7 | 28 | 9.4 |
| TED-063AN | 12.99 | 73.5 | 15.6 | 4860 | 2x11 | 1320 | 3 | 350 | 79 | 3*140 | 3*0.65 | 16 | 35 | 9.5 |
| TED-063AL | 8.49 | 73.5 | 15.6 | 4860 | 2x7 | 930 | 3 | 350 | 69 | 3*80 | 3*0.4 | 16 | 35 | 9.5 |
| TED-044AN | 14.80 | 65.2 | 13.6 | 6880 | 2x14 | 1320 | 4 | 350 | 80 | 4*140 | 4*0.65 | 16 | 35 | 12.3 |
| TED-044AL | 10.60 | 65.2 | 13.6 | 6880 | 2x11 | 930 | 4 | 350 | 70 | 4*80 | 4*0.4 | 16 | 35 | 12.3 |
| TED-064AN | 17.32 | 98.1 | 20.8 | 6480 | 2x12 | 1320 | 4 | 350 | 80 | 4*140 | 4*0.65 | 22 | 35 | 12.4 |
| TED-064AL | 11.32 | 98.1 | 20.8 | 6480 | 2x8 | 930 | 4 | 350 | 70 | 4*80 | 4*0.4 | 22 | 35 | 12.4 |

## TED DUAL DISCHARGE AIR COOLER

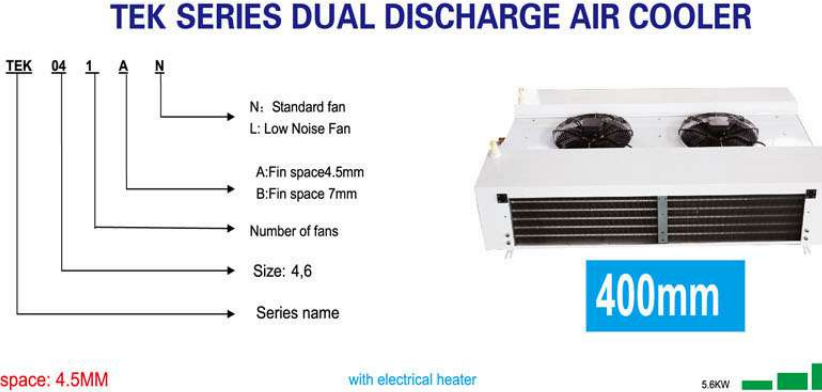
Fin space: 7MM with electrical heater 2.36KW 8.73KW

| Model | Cooling Capacity (R404a) Room Temp.=-18℃ DT1=7KTD SC3 | Surface | Tube volume | Axial fan (220V/50HZ) | | | | | | | | Connection | | Electrical Defrost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Input Power | Current | Liquid | Gas | |
| | KW | m² | Dm³ | m³/h | M | RPM | PC | MM | dB(A) | W | A | MM | MM | KW |
| TED-041BN | 2.36 | 11 | 3.4 | 1850 | 2x11 | 1320 | 1 | 350 | 74 | 1*140 | 1*0.65 | 12.7 | 22 | 3.6 |
| TED-041BL | 1.95 | 11 | 3.4 | 1300 | 2x8 | 930 | 1 | 350 | 64 | 1*140 | 1*0.4 | 12.7 | 22 | 3.6 |
| TED-061BN | 2.95 | 16.4 | 5.2 | 1770 | 2x9 | 1320 | 1 | 350 | 74 | 1*140 | 1*0.65 | 12.7 | 22 | 3.7 |
| TED-061BL | 2.17 | 16.4 | 5.2 | 1140 | 2x5 | 930 | 1 | 350 | 64 | 1*140 | 1*0.4 | 12.7 | 22 | 3.7 |
| TED-042BN | 4.73 | 22 | 6.8 | 3700 | 2x12 | 1320 | 2 | 350 | 77 | 2*140 | 2*0.65 | 12.7 | 28 | 6.5 |
| TED-042BL | 3.81 | 22 | 6.8 | 2600 | 2x9 | 930 | 2 | 350 | 67 | 2*140 | 2*0.4 | 12.7 | 28 | 6.5 |
| TED-062BN | 5.9 | 32.8 | 10.4 | 3540 | 2x10 | 1320 | 2 | 350 | 77 | 2*140 | 2*0.65 | 12.7 | 28 | 6.6 |
| TED-062BL | 4.35 | 32.8 | 10.4 | 2280 | 2x6 | 930 | 2 | 350 | 67 | 2*140 | 2*0.4 | 12.7 | 28 | 6.6 |
| TED-043BN | 7.1 | 33 | 10.2 | 5550 | 2x13 | 1320 | 3 | 350 | 79 | 3*140 | 3*0.65 | 12.7 | 28 | 9.4 |
| TED-043BL | 5.7 | 33 | 10.2 | 3900 | 2x10 | 930 | 3 | 350 | 69 | 3*140 | 3*0.4 | 12.7 | 28 | 9.4 |
| TED-063BN | 8.89 | 49.2 | 15.6 | 5310 | 2x11 | 1320 | 3 | 350 | 79 | 3*140 | 3*0.65 | 16 | 35 | 9.5 |
| TED-063BL | 6.52 | 49.2 | 15.6 | 3420 | 2x7 | 930 | 3 | 350 | 69 | 3*140 | 3*0.4 | 16 | 35 | 9.5 |
| TED-044BN | 9.44 | 44 | 13.6 | 7400 | 2x14 | 1320 | 4 | 350 | 80 | 4*140 | 4*0.65 | 16 | 35 | 12.3 |
| TED-044BL | 7.69 | 44 | 13.6 | 5200 | 2x11 | 930 | 4 | 350 | 70 | 4*140 | 4*0.4 | 16 | 35 | 12.3 |
| TED-064BN | 11.82 | 65.6 | 20.8 | 7080 | 2x12 | 1320 | 4 | 350 | 80 | 4*140 | 4*0.65 | 22 | 35 | 12.4 |
| TED-064BL | 8.73 | 65.6 | 20.8 | 4560 | 2x8 | 930 | 4 | 350 | 70 | 4*140 | 4*0.4 | 22 | 35 | 12.4 |



| Model | Size (mm) | | | | | | | Drain |
|---|---|---|---|---|---|---|---|---|
| | H | B | T | L | E1 | E2 | F | |
| TED 041 | 298 | 876 | 947 | 979 | 650 | - | 109 | 3/4" |
| TED 061 | 298 | 876 | 947 | 979 | 650 | - | 109 | |
| TED 042 | 298 | 1486 | 947 | 979 | 1260 | - | 109 | |
| TED 062 | 298 | 1486 | 947 | 979 | 1260 | - | 109 | |
| TED 043 | 298 | 2096 | 947 | 979 | 1870 | 610 | 109 | |
| TED 063 | 298 | 2096 | 947 | 979 | 1870 | 610 | 109 | |
| TED 044 | 298 | 2706 | 947 | 979 | 2480 | 610 | 109 | |
| TED 064 | 298 | 2706 | 947 | 979 | 2480 | 610 | 109 | |

## TEK SERIES DUAL DISCHARGE AIR COOLER



400mm

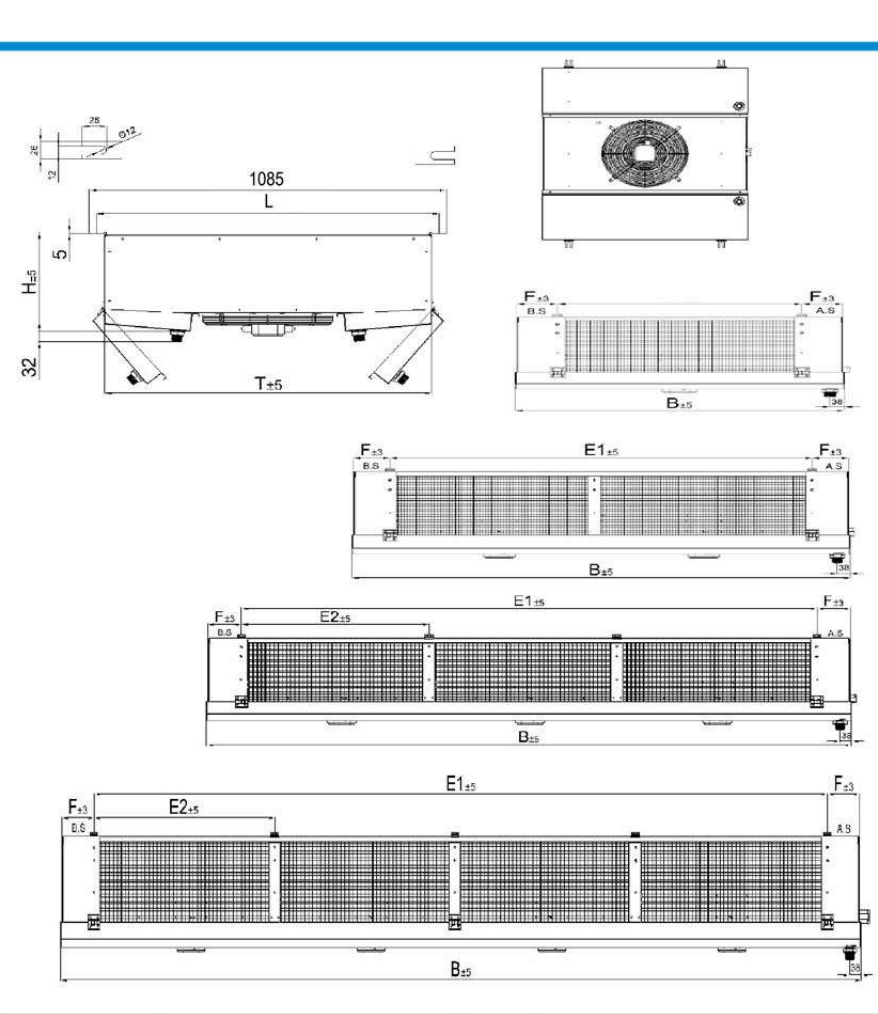
Fin space: 4.5MM with electrical heater 5.6KW 18.9KW

| Model | Cooling Capacity (R404a) Room Temp.=0℃ DT1=8KTD SC2 | Surface | Tube volume | Axial fan (220V/50HZ) | | | | | | | | Connection | | Electrical Defrost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Input Power | Current | Liquid | Gas | |
| | KW | m² | Dm³ | m³/h | M | r/min | PC | MM | dB(A) | W | A | Inch | Inch | KW |
| TEK-041AN | 5.6 | 21.76 | 4.5 | 3200 | 2x14 | 1320 | 1 | 400 | 74 | 1*190 | 1*0.85 | 15.88 | 28 | 5.4 |
| TEK-041AL | 3.8 | 21.76 | 4.5 | 1400 | 2x12 | 930 | 1 | 400 | 64 | 1*120 | 1*0.56 | 15.88 | 28 | 5.4 |
| TEK-061AN | 7.5 | 32.64 | 6.9 | 3200 | 2x12 | 1320 | 1 | 400 | 74 | 1*190 | 1*0.85 | 15.88 | 28 | 5.6 |
| TEK-061AL | 4.7 | 32.64 | 6.9 | 1400 | 2x11 | 930 | 1 | 400 | 64 | 1*120 | 1*0.56 | 15.88 | 28 | 5.6 |
| TEK-042AN | 11 | 43.52 | 9.1 | 6400 | 2x15 | 1320 | 2 | 400 | 77 | 2*190 | 2*0.85 | 22 | 35 | 9.8 |
| TEK-042AL | 8 | 43.52 | 9.1 | 2800 | 2x13 | 930 | 2 | 400 | 67 | 2*120 | 2*0.56 | 22 | 35 | 9.8 |
| TEK-062AN | 14.5 | 65.27 | 13.9 | 6400 | 2x13 | 1320 | 2 | 400 | 77 | 2*190 | 2*0.85 | 22 | 35 | 9.9 |
| TEK-062AL | 9.5 | 65.27 | 13.9 | 2800 | 2x12 | 930 | 2 | 400 | 67 | 2*120 | 2*0.56 | 22 | 35 | 9.9 |
| TEK-043AN | 17 | 65.27 | 13.6 | 9400 | 2x16 | 1320 | 3 | 400 | 79 | 3*190 | 3*0.85 | 22 | 35 | 14.1 |
| TEK-043AL | 12.1 | 65.27 | 13.6 | 4200 | 2x14 | 930 | 3 | 400 | 69 | 3*120 | 3*0.56 | 22 | 35 | 14.1 |
| TEK-063AN | 22.5 | 97.91 | 20.8 | 9400 | 2x14 | 1320 | 3 | 400 | 79 | 3*190 | 3*0.85 | 22 | 35 | 14.3 |
| TEK-063AL | 15.4 | 97.91 | 20.8 | 4200 | 2x13 | 930 | 3 | 400 | 69 | 3*120 | 3*0.56 | 22 | 35 | 14.3 |
| TEK-044AN | 23.5 | 87.03 | 18.1 | 12800 | 2x17 | 1320 | 4 | 400 | 80 | 3*190 | 4*0.85 | 28 | 42 | 18.5 |
| TEK-044AL | 15.7 | 87.03 | 18.1 | 5600 | 2x15 | 930 | 4 | 400 | 70 | 4*120 | 4*0.56 | 28 | 42 | 18.5 |
| TEK-064AN | 28.7 | 130.55 | 27.7 | 12800 | 2x15 | 1320 | 4 | 400 | 80 | 4*190 | 4*0.85 | 28 | 42 | 18.6 |
| TEK-064AL | 18.9 | 130.55 | 27.7 | 5600 | 2x14 | 930 | 4 | 400 | 70 | 4*120 | 4*0.56 | 28 | 42 | 18.6 |

## TEK SERIES DUAL DISCHARGE AIR COOLER

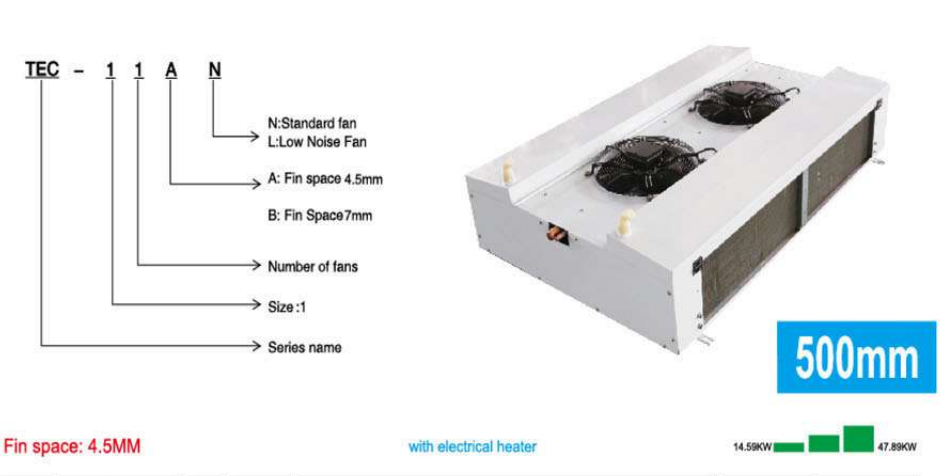
Fin space: 7MM with electrical heater 3.5KW 13.6KW

| Model | Cooling Capacity (R404a) Room Temp.=-18℃ DT1=7KTD SC3 | Surface | Tube volume | Axial fan (220V/50HZ) | | | | | | | | Connection | | Electrical Defrost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Input Power | Current | Liquid | Gas | |
| | KW | m² | Dm³ | m³/h | M | r/min | PC | MM | dB(A) | W | A | Inch | Inch | KW |
| TEK-041BN | 3.5 | 13.99 | 4.5 | 3200 | 2x14 | 1320 | 1 | 400 | 74 | 1*190 | 1*0.85 | 15.88 | 28 | 5.4 |
| TEK-041BL | 2.6 | 13.99 | 4.5 | 1400 | 2x12 | 930 | 1 | 400 | 64 | 1*120 | 1*0.56 | 15.88 | 28 | 5.4 |
| TEK-061BN | 6.5 | 20.98 | 6.9 | 3200 | 2x12 | 1320 | 1 | 400 | 74 | 1*190 | 1*0.85 | 15.88 | 28 | 5.6 |
| TEK-061BL | 3.8 | 20.98 | 6.9 | 1400 | 2x11 | 930 | 1 | 400 | 64 | 1*120 | 1*0.56 | 15.88 | 28 | 5.6 |
| TEK-042BN | 7.1 | 27.97 | 9.1 | 6400 | 2x15 | 1320 | 2 | 400 | 77 | 2*190 | 2*0.85 | 22 | 35 | 9.8 |
| TEK-042BL | 5.2 | 27.97 | 9.1 | 2800 | 2x13 | 930 | 2 | 400 | 67 | 2*120 | 2*0.56 | 22 | 35 | 9.8 |
| TEK-062BN | 9.2 | 41.96 | 13.9 | 6400 | 2x13 | 1320 | 2 | 400 | 77 | 2*190 | 2*0.85 | 22 | 35 | 9.9 |
| TEK-062BL | 6.4 | 41.96 | 13.9 | 2800 | 2x12 | 930 | 2 | 400 | 67 | 2*120 | 2*0.56 | 22 | 35 | 9.9 |
| TEK-043BN | 10.6 | 41.96 | 13.6 | 9400 | 2x16 | 1320 | 3 | 400 | 79 | 3*190 | 3*0.85 | 22 | 35 | 14.1 |
| TEK-043BL | 7.7 | 41.96 | 13.6 | 4200 | 2x14 | 930 | 3 | 400 | 69 | 3*120 | 3*0.56 | 22 | 35 | 14.1 |
| TEK-063BN | 14.1 | 62.94 | 20.8 | 9400 | 2x14 | 1320 | 3 | 400 | 79 | 3*190 | 3*0.85 | 22 | 35 | 14.3 |
| TEK-063BL | 9.7 | 62.94 | 20.8 | 4200 | 2x13 | 930 | 3 | 400 | 69 | 3*120 | 3*0.56 | 22 | 35 | 14.3 |
| TEK-044BN | 15.0 | 55.95 | 18.1 | 12800 | 2x17 | 1320 | 4 | 400 | 80 | 3*190 | 4*0.85 | 28 | 42 | 18.5 |
| TEK-044BL | 11.2 | 55.95 | 18.1 | 5600 | 2x15 | 930 | 4 | 400 | 70 | 4*120 | 4*0.56 | 28 | 42 | 18.5 |
| TEK-064BN | 21.5 | 83.92 | 27.7 | 12800 | 2x15 | 1320 | 4 | 400 | 80 | 4*190 | 4*0.85 | 28 | 42 | 18.6 |
| TEK-064BL | 13.6 | 83.92 | 27.7 | 5600 | 2x14 | 930 | 4 | 400 | 70 | 4*120 | 4*0.56 | 28 | 42 | 18.6 |



| Model | Size (mm) | | | | | | | Drain |
|---|---|---|---|---|---|---|---|---|
| | H | B | T | L | E1 | E2 | F | |
| TEK 041 | 374 | 868 | 996 | 1029 | 650 | - | 109 | 3/4" |
| TEK 061 | 374 | 868 | 996 | 1029 | 650 | - | 109 | |
| TEK 042 | 374 | 1478 | 997 | 1029 | 1260 | - | 109 | |
| TEK 062 | 374 | 1478 | 997 | 1029 | 1260 | - | 109 | |
| TEK 043 | 374 | 2096 | 997 | 1029 | 1870 | 610 | 109 | |
| TEK 063 | 374 | 2096 | 997 | 1029 | 1870 | 610 | 109 | |
| TEK 044 | 374 | 2706 | 997 | 1029 | 2480 | 1260 | 109 | |
| TEK 064 | 374 | 2706 | 997 | 1029 | 2480 | 1260 | 109 | |

## TEC SERIES DUAL DISCHARGE AIR COOLER



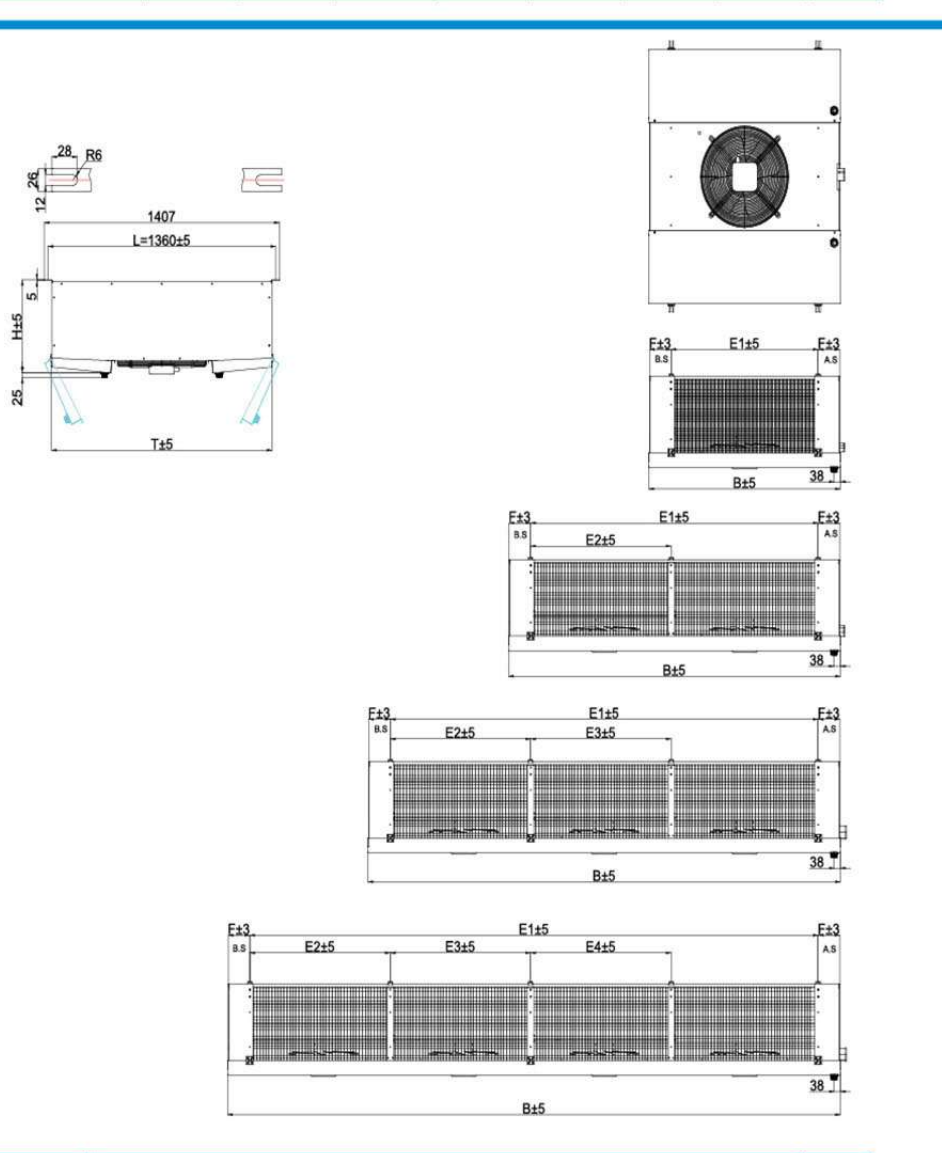
500mm

Fin space: 4.5MM with electrical heater 14.59KW 47.89KW

| Model | Cooling Capacity (R404a) Evap Temp-8℃ DT1=8KTD SC2 | Surface | Tube volume | Axial fan (380V/50HZ/3PH) | | | | | | | | Connection | | Electrical Defrost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Input Power | Current | Liquid | Gas | |
| | KW | m² | Dm³ | m³/h | M | RPM | PC | MM | dB(A) | W | A | Inch | Inch | KW |
| TEC-11AN | 14.59 | 89.6 | 13.8 | 6100 | 2x11 | 1300 | 1 | 500 | 72 | 450 | 0.9 | 7/8" | 1-3/8" | 6.7 |
| TEC-11AL | 11.97 | 89.6 | 13.8 | 4000 | 2x8 | 900 | 1 | 500 | 68 | 230 | 0.55 | 7/8" | 1-3/8" | 6.7 |
| TEC-12AN | 29.18 | 179.2 | 26.8 | 12200 | 2x14 | 1300 | 2 | 500 | 75 | 2x450 | 2x0.9 | 1-1/8" | 1-5/8" | 12 |
| TEC-12AL | 23.94 | 179.2 | 26.8 | 8000 | 2x11 | 900 | 2 | 500 | 71 | 2x230 | 2x0.55 | 1-1/8" | 1-5/8" | 12 |
| TEC-13AN | 43.77 | 268.8 | 39.8 | 18300 | 2x17 | 1300 | 3 | 500 | 77 | 3x450 | 3x0.9 | 1-3/8" | 2-1/8" | 17.3 |
| TEC-13AL | 35.91 | 268.8 | 39.8 | 12000 | 2x14 | 900 | 3 | 500 | 73 | 3x230 | 3x0.55 | 1-3/8" | 2-1/8" | 17.3 |
| TEC-14AN | 58.36 | 358.4 | 52.8 | 24400 | 2x20 | 1300 | 4 | 500 | 78 | 4x450 | 4x0.9 | 1-3/8" | 2-1/8" | 22.6 |
| TEC-14AL | 47.89 | 358.4 | 52.8 | 16000 | 2x17 | 900 | 4 | 500 | 74 | 4x230 | 4x0.55 | 1-3/8" | 2-1/8" | 22.6 |

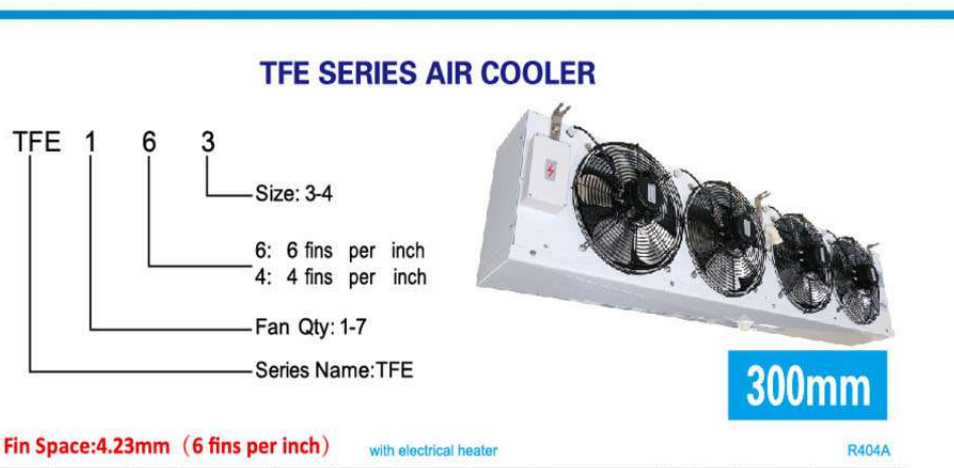
Fin space: 7MM with electrical heater 10.08KW 33.42KW

| Model | Cooling Capacity (R404a) Evap Temp-25℃ DT1=7 KTD SC3 | Surface | Tube volume | Axial fan (380V/50HZ/3PH) | | | | | | | | Connection | | Electrical Defrost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Input Power | Current | Liquid | Gas | |
| | KW | m² | Dm³ | m³/h | M | RPM | PC | MM | dB(A) | W | A | Inch | Inch | KW |
| TEC-11BN | 10.08 | 57.6 | 13.8 | 6100 | 2x12 | 1300 | 1 | 500 | 72 | 450 | 0.9 | 7/8" | 1-3/8" | 6.7 |
| TEC-11BL | 8.36 | 57.6 | 13.8 | 4000 | 2x9 | 900 | 1 | 500 | 68 | 230 | 0.55 | 7/8" | 1-3/8" | 6.7 |
| TEC-12BN | 20.16 | 115.2 | 26.8 | 12200 | 2x15 | 1300 | 2 | 500 | 75 | 2x450 | 2x0.9 | 1-1/8" | 1-5/8" | 12 |
| TEC-12BL | 16.71 | 115.2 | 26.8 | 8000 | 2x12 | 900 | 2 | 500 | 71 | 2x230 | 2x0.55 | 1-1/8" | 1-5/8" | 12 |
| TEC-13BN | 30.23 | 172.8 | 39.8 | 18300 | 2x18 | 1300 | 3 | 500 | 77 | 3x450 | 3x0.9 | 1-3/8" | 2-1/8" | 17.3 |
| TEC-13BL | 25.07 | 172.8 | 39.8 | 12000 | 2x15 | 900 | 3 | 500 | 73 | 3x230 | 3x0.55 | 1-3/8" | 2-1/8" | 17.3 |
| TEC-14BN | 40.31 | 230.4 | 52.8 | 24400 | 2x21 | 1300 | 4 | 500 | 78 | 4x450 | 4x0.9 | 1-3/8" | 2-1/8" | 22.6 |
| TEC-14BL | 33.42 | 230.4 | 52.8 | 16000 | 2x18 | 900 | 4 | 500 | 74 | 4x230 | 4x0.55 | 1-3/8" | 2-1/8" | 22.6 |



| Model | Size (mm) | | | | | | | | | Drain |
|---|---|---|---|---|---|---|---|---|---|---|
| | H | B | T | L | E1 | E2 | E3 | E4 | F | |
| TEC11A/B | 508 | 1146 | 1319 | 1360 | 880 | - | - | - | 129 | 1" |
| TEC12A/B | 508 | 1986 | 1319 | 1360 | 1720 | 840 | - | - | 129 | |
| TEC13A/B | 508 | 2826 | 1319 | 1360 | 2560 | 840 | 840 | - | 129 | |
| TEC14A/B | 508 | 3666 | 1319 | 1360 | 3400 | 840 | 840 | 840 | 129 | |

## TFE SERIES AIR COOLER



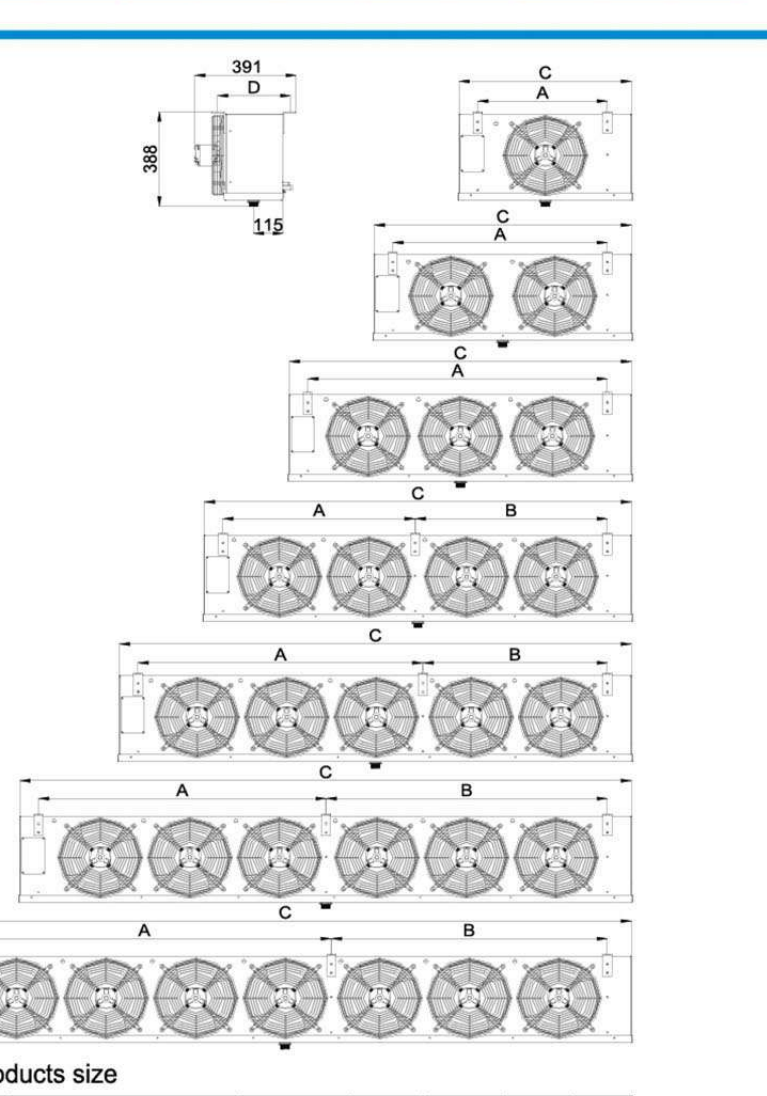
300mm

Fin Space:4.23mm（6 fins per inch） with electrical heater R404A

| Model | Capacity(W) Evap.Temp:-8℃ DT1=8KTD SC2 | Surface (m²) | Circuit volume (dm³) | Air flow (m³/h) | Fan (230V/1/50HZ) | | | | | Connections | | Defrost heater | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | OD(mm) | Air throw(m) | Speed(rpm) | Power(W) | Current(A) | Inlet | Outlet | Coil(KW) | Drain pan(KW) |
| TFE163 | 1710 | 5.8 | 1 | 1210 | 300 | 9 | 1300 | 1x34 | 1x0.83 | 1/2" | 5/8" | 1 | 0.55 |
| TFE164 | 2048 | 7.8 | 1.4 | 1210 | 300 | 9 | 1300 | 1x34 | 1x0.83 | 1/2" | 5/8" | 1 | 0.55 |
| TFE263 | 2893 | 10 | 1.7 | 2420 | 300 | 9 | 1300 | 2x34 | 2x0.83 | 1/2" | 3/4" | 1.5 | 0.8 |
| TFE264 | 3389 | 13 | 2.3 | 2420 | 300 | 9 | 1300 | 2x34 | 2x0.83 | 1/2" | 3/4" | 1.5 | 0.8 |
| TFE363 | 4310 | 14 | 2.4 | 3630 | 300 | 9 | 1300 | 3x34 | 3x0.83 | 1/2" | 7/8" | 2 | 1.1 |
| TFE364 | 5023 | 18.6 | 3.2 | 3630 | 300 | 9 | 1300 | 3x34 | 3x0.83 | 1/2" | 1-1/8" | 2 | 1.1 |
| TFE463 | 5998 | 18 | 3 | 4840 | 300 | 9 | 1300 | 4x34 | 4x0.83 | 1/2" | 1-1/8" | 2.6 | 1.3 |
| TFE464 | 6910 | 24 | 4 | 4840 | 300 | 9 | 1300 | 4x34 | 4x0.83 | 5/8" | 1-1/8" | 2.6 | 1.3 |
| TFE564 | 9648 | 29.5 | 4.9 | 6050 | 300 | 9 | 1300 | 5x34 | 5x0.83 | 5/8" | 1-1/8" | 3.1 | 1.6 |
| TFE664 | 10487 | 36 | 6 | 7260 | 300 | 9 | 1300 | 6x34 | 6x0.83 | 5/8" | 1-1/8" | 3.7 | 1.9 |
| TFE764 | 12030 | 41 | 6.8 | 8470 | 300 | 9 | 1300 | 7x34 | 7x0.83 | 5/8" | 1-1/8" | 4.2 | 2.2 |

Fin Space:6.35mm（4 fins per inch） with electrical heater R404A

| Model | Capacity(W) Evap.Temp:-25℃ DT1=7KTD SC3 | Surface (m²) | Circuit volume (dm³) | Air flow (m³/h) | Fan (230V/1/50HZ) | | | | | Connections | | Defrost heater | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | OD(mm) | Air throw(m) | Speed(rpm) | Power(W) | Current(A) | Inlet | Outlet | Coil(KW) | Drain pan(KW) |
| TFE143 | 1130 | 3.9 | 1 | 1210 | 300 | 9 | 1300 | 1x34 | 1x0.83 | 1/2" | 5/8" | 1 | 0.55 |
| TFE144 | 1380 | 5.2 | 1.4 | 1210 | 300 | 9 | 1300 | 1x34 | 1x0.83 | 1/2" | 5/8" | 1 | 0.55 |
| TFE243 | 2335 | 6.6 | 1.7 | 2420 | 300 | 9 | 1300 | 2x34 | 2x0.83 | 1/2" | 3/4" | 1.5 | 0.8 |
| TFE244 | 2843 | 8.8 | 2.3 | 2420 | 300 | 9 | 1300 | 2x34 | 2x0.83 | 1/2" | 3/4" | 1.5 | 0.8 |
| TFE343 | 3460 | 9.4 | 2.4 | 3630 | 300 | 9 | 1300 | 3x34 | 3x0.83 | 1/2" | 7/8" | 2 | 1.1 |
| TFE344 | 4140 | 12.5 | 3.2 | 3630 | 300 | 9 | 1300 | 3x34 | 3x0.83 | 1/2" | 1-1/8" | 2 | 1.1 |
| TFE443 | 4536 | 12 | 3 | 4840 | 300 | 9 | 1300 | 4x34 | 4x0.83 | 1/2" | 1-1/8" | 2.6 | 1.3 |
| TFE444 | 5003 | 16 | 4 | 4840 | 300 | 9 | 1300 | 4x34 | 4x0.83 | 5/8" | 1-1/8" | 2.6 | 1.3 |
| TFE544 | 6810 | 18 | 4.9 | 6050 | 300 | 9 | 1300 | 5x34 | 5x0.83 | 5/8" | 1-1/8" | 3.1 | 1.6 |
| TFE644 | 7503 | 24 | 6 | 7260 | 300 | 9 | 1300 | 6x34 | 6x0.83 | 5/8" | 1-1/8" | 3.7 | 1.9 |
| TFE744 | 8606 | 27 | 6.8 | 8470 | 300 | 9 | 1300 | 7x34 | 7x0.83 | 5/8" | 1-1/8" | 4.2 | 2.2 |

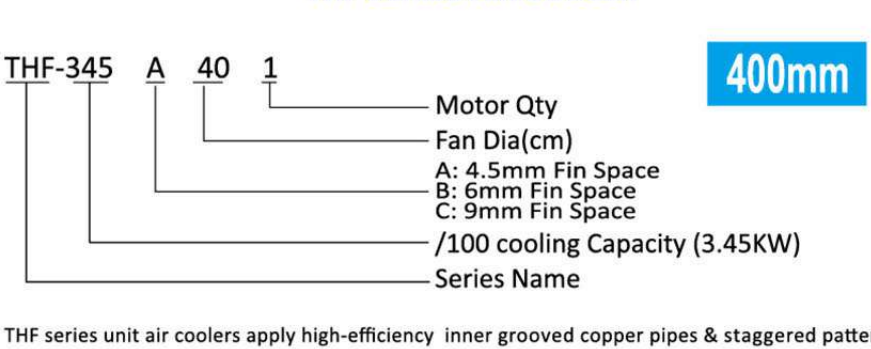


Products size

| | Model | A | B | C | D | Drain |
|---|---|---|---|---|---|---|
| 1 | TFE163/164/143/144 | 499 | — | 663 | 269 | 1" |
| 2 | TFE263/264/243/244 | 826 | — | 990 | 269 | |
| 3 | TFE363/364/343/344 | 1153 | — | 1317 | 269 | |
| 4 | TFE463/464/443/444 | 740 | 740 | 1644 | 269 | |
| 5 | TFE564/544 | 1097 | 710 | 1971 | 269 | |
| 6 | TFE664/644 | 1107 | 1083 | 2354 | 269 | |
| 7 | TFE764 /744 | 1439 | 1063 | 2666 | 269 | |

Option:Axial fan available,contact us for more information.

## THF SERIES AIR COOLER



400mm

THF series unit air coolers apply high-efficiency inner grooved copper pipes & staggered pattern design, and the diverting technology and advanced fin flanging technology that have been improved through continuous tests ensure that the air cooler has high efficiency, delayed frosting time and stable room temperature. It can greatly improve the heat transfer coefficient of the refrigerant and the heat transfer coefficient in the heat transfer tube, and reduce energy consumption, so improve heat transfer efficiency. Through fluidics and aerodynamics, the airflow organization is optimized, so that the refrigerant is evenly distributed in the evaporator, and the fin coils are frosted evenly.

The design of THF air cooler products meets but is not limited to the national standard requirements for air coolers. It has undergone strict testing and passed the audit in the laboratory of the National Commercial Refrigeration Equipment Quality Inspection and Testing Center.

Motor assembly: Blade dia, ф400mm, Power Supply, 380V/50Hz/3Ph or 220V/50Hz
Electrical junction box protection grade: IP54
electric defrost

Air nozzle (optional)
Longer air supply distance
Even air distribution in the cold room

## THF SERIES AIR COOLER

Fin Space：4.5mm

| Model | Capacity R404a(KW) | Area | Inner pipe volume | Axial Fan | | | | | | | | Defrost Heater | | Inlet Outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Qty | Diameter | Noise Level in 3M | Voltage | Power | Current | Coil | Water Tray | |
| | Te=-8℃ Δt=8K | M² | Dm³ | M³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| THF-345A401 | 3.45 | 14 | 2.53 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1120 | 640 | 12x16 |
| THF-421A401 | 4.21 | 17 | 3.16 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1680 | 640 | 12x16 |
| THF-480A401 | 4.80 | 20 | 3.79 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1680 | 640 | 12x16 |
| THF-678A402 | 6.78 | 27 | 5.03 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 2000 | 1040 | 12x16 |
| THF-843A402 | 8.43 | 33 | 6.29 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 3000 | 1040 | 16x22 |
| THF-968A402 | 9.68 | 40 | 7.55 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 3000 | 1040 | 16x22 |
| THF-1079A403 | 10.79 | 40 | 6.92 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 2800 | 1480 | 16x28 |
| THF-1250A403 | 12.50 | 50 | 8.65 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 4200 | 1480 | 16x28 |
| THF-1462A403 | 14.62 | 60 | 10.37 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 4200 | 1480 | 16x28 |

Fin Space: 6mm

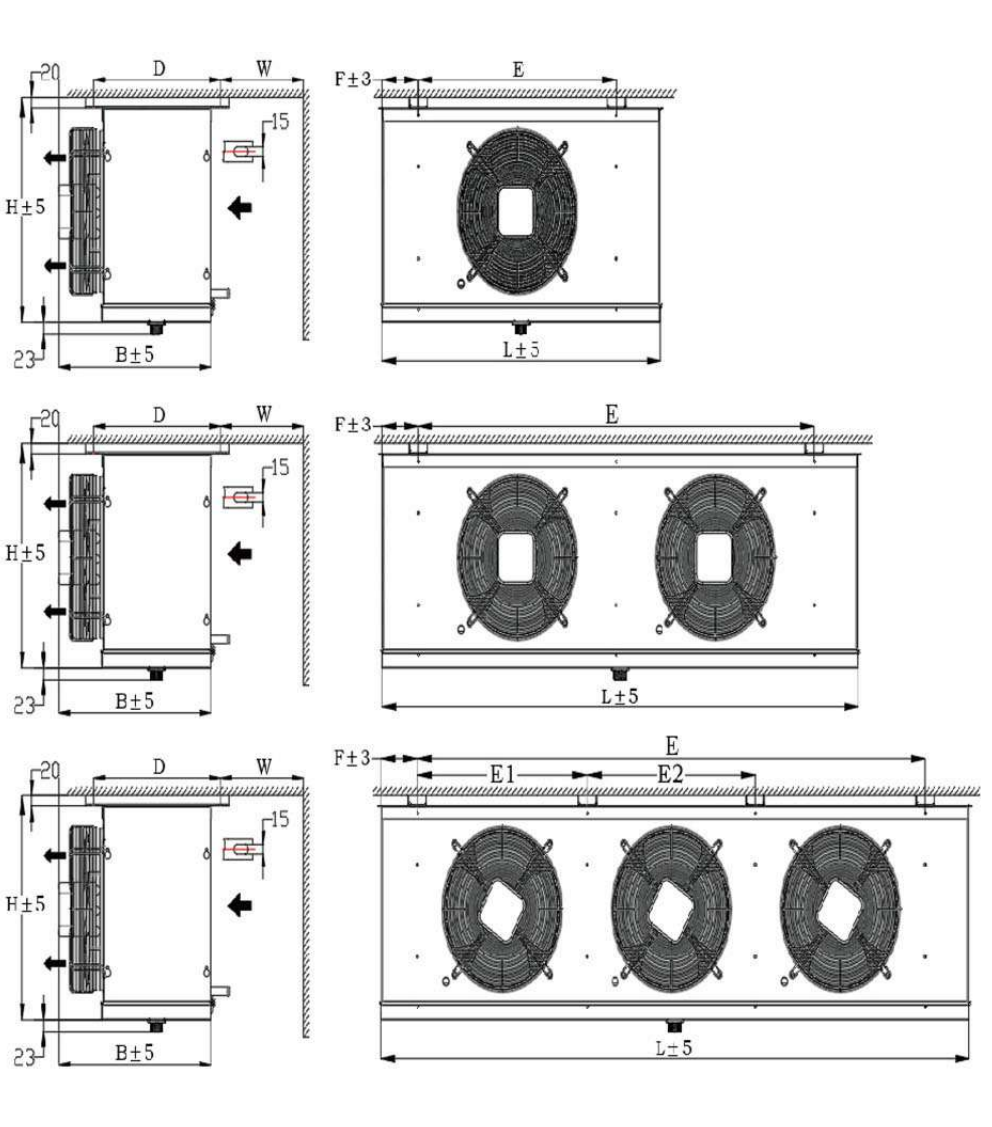
| Model | Capacity R404a(KW) | Area | Inner pipe volume | Axial Fan | | | | | | | | Defrost Heater | | Inlet Outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Qty | Diameter | Noise Level in 3M | Voltage | Power | Current | Coil | Water Tray | |
| | Te=-25℃ Δt=7K | M² | Dm³ | M³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| THF-207B401 | 2.07 | 10 | 2.53 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1120 | 640 | 12x16 |
| THF-261B401 | 2.61 | 13 | 3.16 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1680 | 640 | 12x16 |
| THF-297B401 | 2.97 | 15 | 3.79 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1680 | 640 | 12x16 |
| THF-405B402 | 4.05 | 20 | 5.03 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 2000 | 1040 | 12x16 |
| THF-513B402 | 5.13 | 25 | 6.29 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 3000 | 1040 | 16x22 |
| THF-594B402 | 5.94 | 30 | 7.55 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 3000 | 1040 | 16x22 |
| THF-666B403 | 6.66 | 30 | 6.92 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 2800 | 1480 | 16x28 |
| THF-744B403 | 7.74 | 38 | 8.65 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 4200 | 1480 | 16x28 |
| THF-918B403 | 9.18 | 45 | 10.37 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 4200 | 1480 | 16x28 |

Fin Space: 9.0mm

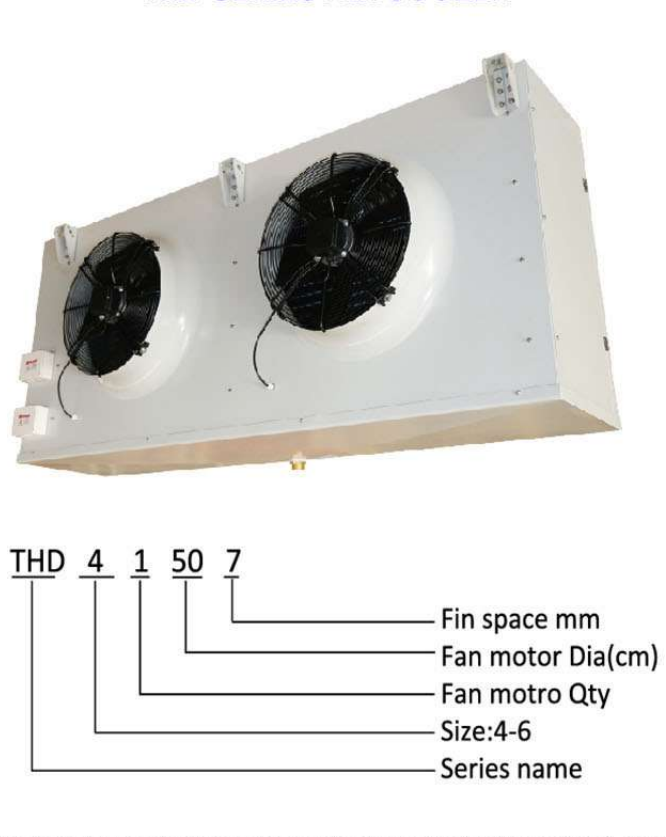
| Model | Capacity R404a(KW) | Area | Inner pipe volume | Axial Fan | | | | | | | | Defrost Heater | | Inlet Outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Qty | Diameter | Noise Level in 3M | Voltage | Power | Current | Coil | Water Tray | |
| | Te=-31℃ Δt=6K | M² | Dm³ | M³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| THF-121C401 | 1.21 | 7 | 2.53 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1120 | 640 | 12x16 |
| THF-160C401 | 1.60 | 9 | 3.16 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1680 | 640 | 12x16 |
| THF-194C401 | 1.94 | 10 | 3.79 | 3100 | 18 | 1 | 400 | 75 | 380V/50HZ/3PH | 1×180 | 1x0.91 | 1680 | 640 | 12x16 |
| THF-281C402 | 2.81 | 13 | 5.03 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 2000 | 1040 | 12x16 |
| THF-319C402 | 3.19 | 17 | 6.29 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 3000 | 1040 | 16x22 |
| THF-390C402 | 3.90 | 20 | 7.55 | 6200 | 18 | 2 | 400 | 76 | 380V/50HZ/3PH | 2×180 | 2x0.91 | 3000 | 1040 | 16x22 |
| THF-423C403 | 4.23 | 20 | 6.92 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 2800 | 1480 | 16x28 |
| THF-519C403 | 5.19 | 25 | 8.65 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 4200 | 1480 | 16x28 |
| THF-588C403 | 5.88 | 30 | 10.37 | 9300 | 18 | 3 | 400 | 77 | 380V/50HZ/3PH | 3×180 | 3x0.91 | 4200 | 1480 | 16x28 |

### THF Air Cooler Overall Size

| Model | L | B | H | Install Size mm | | | | | | Drain |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | D | E | E₁ | E₂ | F | W | |
| THF-345A401<br>THF-207B401<br>THF-121C401 | 800 | 515 | 620 | 386 | 570 | | | 105 | 300 | G1" |
| THF-421A401<br>THF-261B401<br>THF-160C401 | 800 | 515 | 620 | 386 | 570 | | | 105 | 300 | G1" |
| THF-480A401<br>THF-297B401<br>THF-194C401 | 800 | 515 | 620 | 386 | 570 | | | 105 | 300 | G1" |
| THF-678A402<br>THF-405B402<br>THF-281C402 | 1325 | 515 | 620 | 386 | 570 | | | 105 | 300 | G1" |
| THF-843A402<br>THF-513B402<br>THF-319C402 | 1325 | 515 | 620 | 386 | 570 | | | 105 | 300 | G1" |
| THF-968A402<br>THF-594B402<br>THF-390C402 | 1325 | 515 | 620 | 386 | 570 | | | 105 | 300 | G1" |
| THF-1079A403<br>THF-666B403<br>THF-423C403 | 1860 | 515 | 620 | 386 | 570 | 557 | 542 | 105 | 300 | G1" |
| THF-1250A403<br>THF-744B403<br>THF-519C403 | 1860 | 515 | 620 | 386 | 570 | 557 | 542 | 105 | 300 | G1" |
| THF-1462AB403<br>THF-918B403<br>THF-588C403 | 1860 | 515 | 620 | 386 | 570 | 557 | 542 | 105 | 300 | G1" |



## THD SERIES AIR COOLER



THD series unit air coolers apply high-efficiency inner grooved copper pipes & staggered pattern design, and the diverting technology and advanced fin flanging technology that have been improved through continuous tests ensure that the air cooler has high efficiency, delayed frosting time and stable room temperature. It can greatly improve the heat transfer coefficient of the refrigerant and the heat transfer coefficient in the heat transfer tube, and reduce energy consumption, so improve heat transfer efficiency. Through fluidics and aerodynamics, the airflow organization is optimized, so that the refrigerant is evenly distributed in the evaporator, and the fin coils are frosted evenly.

The design of THD air cooler products meets but is not limited to the national standard requirements for air coolers. It has undergone strict testing and passed the audit in the laboratory of the National Commercial Refrigeration Equipment Quality Inspection and Testing Center.

## THD SERIES AIR COOLER

Low Temp. Technical Data — Fin space:7mm

| Model | Capacity W | | Internal Volume | Surface (m²) | Fan Data (380V/50HZ/3PH) | | | | | Heaters (220V/50HZ) |
|---|---|---|---|---|---|---|---|---|---|---|
| | SC3,R404A | SC4,R404A | dm³ | | Qty×Diam | Air Flow (m³/h) | Air Throw (m) | Total Power (w) | Total Current (A) | Total Power (W) |
| THD41507 | 6177 | 4932 | 9.7 | 33 | 1X500 | 7056 | 18 | 620 | 1.4 | 6740 |
| THD61507 | 8338 | 6738 | 14.6 | 49 | 1X500 | 6912 | 18 | 620 | 1.4 | 6740 |
| THD32507 | 10217 | 8163 | 14.3 | 49 | 2X500 | 14256 | 20 | 1240 | 2.8 | 11220 |
| THD42507 | 12694 | 10324 | 19.1 | 65 | 2X500 | 14112 | 20 | 1240 | 2.8 | 12820 |
| THD52507 | 15112 | 12200 | 23.9 | 82 | 2X500 | 13968 | 20 | 1240 | 2.8 | 12820 |
| THD62507 | 16978 | 13828 | 28.6 | 98 | 2X500 | 13824 | 20 | 1240 | 2.8 | 14420 |
| THD53507 | 21445 | 17182 | 35.6 | 123 | 3X500 | 20952 | 22 | 1860 | 4.2 | 23630 |
| THD63507 | 25761 | 20444 | 42.7 | 147 | 3X500 | 20772 | 22 | 1860 | 4.2 | 23630 |
| THD64507 | 32984 | 26667 | 52.4 | 181 | 4X500 | 27684 | 23 | 2480 | 5.6 | 27310 |
| THD65507 | 41446 | 33710 | 65.4 | 226 | 5X500 | 34596 | 24 | 3100 | 7 | 33910 |

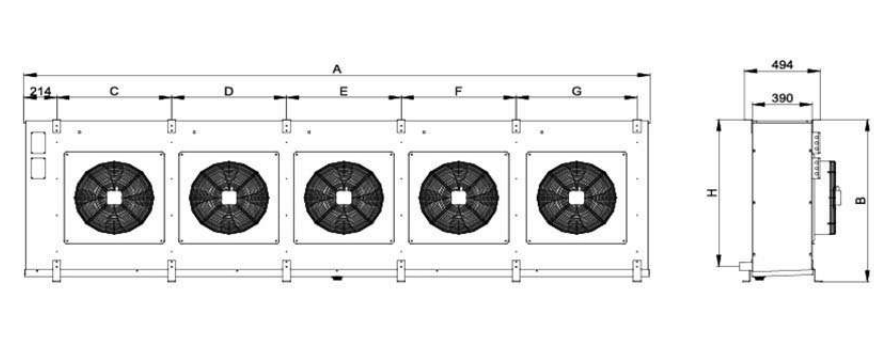
1.SC3 Condition:-25℃ evaporating temperature,-18℃ room temperature,7KTD
2.SC4 Condition:-31℃ evaporating temperature,-25℃ room temperature,6KTD

Medium Temp. Technical Data — Fin space:4mm

| Model | Capacity W | Internal Volume | Surface (m²) | Fan Data (380V/50HZ/3PH) | | | | | Heaters (220V/50HZ) |
|---|---|---|---|---|---|---|---|---|---|
| | SC2,R404A | dm³ | | Qty×Diam | Air Flow (m³/h) | Air Throw (m) | Total Power (w) | Total Current (A) | Total Power (W) |
| THD41504 | 11498 | 9.7 | 57 | 1X500 | 7056 | 18 | 620 | 1.4 | 6740 |
| THD61504 | 14974 | 14.6 | 86 | 1X500 | 6912 | 18 | 620 | 1.4 | 6740 |
| THD32504 | 18775 | 14.3 | 86 | 2X500 | 14256 | 20 | 1240 | 2.8 | 11220 |
| THD42504 | 23160 | 19.1 | 114 | 2X500 | 14112 | 20 | 1240 | 2.8 | 12820 |
| THD52504 | 26927 | 23.9 | 143 | 2X500 | 13968 | 20 | 1240 | 2.8 | 12820 |
| THD62504 | 29497 | 28.6 | 172 | 2X500 | 13824 | 20 | 1240 | 2.8 | 14420 |
| THD53504 | 40174 | 35.6 | 215 | 3X500 | 20952 | 22 | 1860 | 4.2 | 23630 |
| THD63504 | 45432 | 42.7 | 258 | 3X500 | 20772 | 22 | 1860 | 4.2 | 23630 |
| THD64504 | 58885 | 52.4 | 316 | 4X500 | 27996 | 23 | 2480 | 5.6 | 27310 |
| THD65504 | 72160 | 65.4 | 395 | 5X500 | 34596 | 23 | 3100 | 7 | 33910 |

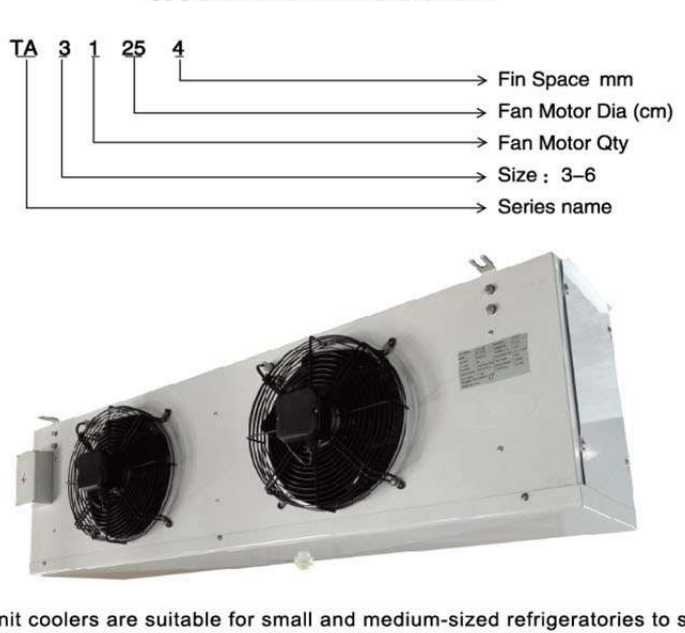
SC2 Condition:-8℃ evaporating temperature,0℃ room temperature,8KTD

## THD SERIES AIR COOLER



| Model | THD41504<br>THD41507 | THD61504<br>THD61507 | THD32504<br>THD32507 | THD42504<br>THD42507 | THD52504<br>THD52507 | THD62504<br>THD62507 | THD53504<br>THD53507 | THD63504<br>THD63507 | THD64504<br>THD64507 | THD65504<br>THD65507 |
|---|---|---|---|---|---|---|---|---|---|---|
| Dimension A mm | 1280 | 1280 | 2230 | 2230 | 2230 | 2230 | 3180 | 3180 | 3330 | 4080 |
| B mm | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1255 | 1255 |
| C mm | 1000 | 1000 | 945 | 945 | 945 | 945 | 752.5 | 752.5 | 750 | 750 |
| D mm | | | 1005 | 1005 | 1005 | 1005 | 712.5 | 712.5 | 750 | 750 |
| E mm | | | | | | | 712.5 | 712.5 | 750 | 750 |
| F mm | | | | | | | 712.5 | 712.5 | 790 | 790 |
| G mm | | | | | | | | | | 790 |
| H mm | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1255 | 1255 |
| Suction Connection mm | 28.6 | 28.6 | 34.9 | 34.9 | 34.9 | 41.3 | 41.3 | 41.3 | 54 | 54 |
| Liquid Connection mm | 12.7 | 12.7 | 12.7 | 12.7 | 15.9 | 15.9 | 15.9 | 19.1 | 22.2 | 22.2 |
| Ext.Equaliser Conn.mm | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |

## TA SERIES AIR COOLER



TA efficient unit coolers are suitable for small and medium-sized refrigeratories to store fresh and frozen products.The compact and reliable design enables customers to maximizes the utilization of storage space and meet customers' ultimate pursuit of temperature.

The heat exchangers use the high efficiency design ,12mm copper tube staggeredarrangement, sinusoidal fin of the imported Eurpiean unit coolers,which are applicable to the new generation refrigerant.

According to the refrigeratory conditions,this series of unit coolers are divided into the following three types:
TA...4 High temperature type(cold room 0℃) , fan spacing of 4mm
TA...7 Medium temperature type(cold room -18℃) , fan spacing of 7mm
TA...9 Low temperature type(cold room -25℃) , fan spacing of 9mm

This series uses fans with the diameters from 250-500mm.The standard fan has the following features,IP45 protection grade,Finsulation grade,built-in thermal protection,operating temperature:-40℃~+40℃.

The product is equipped with transport installation feet to facilitate on-site lifting.We can customize the coil based on customer needs,use other deforsting methods and configure fans of different specifications.

## TA SERIES AIR COOLER

Fin space: 4MM with electrical heater 1.57KW 53.19KW

| Model | Cooling Capacity (R404a) Room Temp.=0℃ DT1=8KTD SC2 | Surface | Tube volume | Axial fan | | | | | | | | | Connection | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Voltage | Input Power | Current | Liquid | Gas |
| | KW | m² | Dm³ | m³/h | M | RPM | PC | MM | dB(A) | | W | A | Inch | Inch |
| TA-31254 | 1.57 | 7 | 1.4 | 820 | 4 | 1350 | 1 | 250 | 63 | 220V/50HZ | 1X55 | 0.24 | 3/8" | 1/2" |
| TA-41254 | 1.86 | 10 | 1.9 | 760 | 4 | 1350 | 1 | 250 | 63 | 220V/50HZ | 1X55 | 0.24 | 3/8" | 1/2" |
| TA-31304 | 2.63 | 11 | 2.1 | 1380 | 6 | 1350 | 1 | 300 | 70 | 220V/50HZ | 1X90 | 0.43 | 3/8" | 3/4" |
| TA-41304 | 2.85 | 14 | 2.8 | 1300 | 5 | 1350 | 1 | 300 | 70 | 220V/50HZ | 1X90 | 0.43 | 1/2" | 7/8" |
| TA-41404 | 5.75 | 22 | 4.2 | 3020 | 8 | 1350 | 1 | 400 | 77 | 220V/50HZ | 1X195 | 0.9 | 1/2" | 1-1/8" |
| TA-61404 | 6.49 | 33 | 6.3 | 2720 | 7 | 1350 | 1 | 400 | 77 | 220V/50HZ | 1X195 | 0.9 | 1/2" | 1-1/8" |
| TA-41504 | 10.82 | 39 | 7.6 | 5800 | 17 | 1350 | 1 | 500 | 83 | 380V/50HZ/3PH | 1X380 | 0.82 | 5/8" | 1-3/8" |
| TA-61504 | 12.45 | 58 | 11.1 | 5270 | 16 | 1350 | 1 | 500 | 83 | 380V/50HZ/3PH | 1X380 | 0.82 | 5/8" | 1-3/8" |
| TA-42254 | 3.74 | 19 | 3.6 | 1520 | 6 | 1350 | 2 | 250 | 66 | 220V/50HZ | 2X55 | 0.24 | 1/2" | 7/8" |
| TA-32304 | 5.26 | 22 | 4.1 | 2760 | 8 | 1350 | 2 | 300 | 73 | 220V/50HZ | 2X90 | 0.43 | 1/2" | 1-1/8" |
| TA-42304 | 5.72 | 29 | 5.5 | 2600 | 7 | 1350 | 2 | 300 | 73 | 220V/50HZ | 2X90 | 0.43 | 1/2" | 1-1/8" |
| TA-42404 | 11.31 | 43 | 8.2 | 6040 | 12 | 1350 | 2 | 400 | 80 | 220V/50HZ | 2X195 | 0.9 | 5/8" | 1-3/8" |
| TA-62404 | 14.05 | 65 | 12.1 | 5440 | 11 | 1350 | 2 | 400 | 80 | 220V/50HZ | 2X195 | 0.9 | 5/8" | 1-3/8" |
| TA-42504 | 20.62 | 77 | 14.3 | 11600 | 22 | 1350 | 2 | 500 | 86 | 380V/50HZ/3PH | 2X380 | 0.82 | 5/8" | 1-3/8" |
| TA-62504 | 26.38 | 116 | 21.5 | 10540 | 21 | 1350 | 2 | 500 | 86 | 380V/50HZ/3PH | 2X380 | 0.82 | 7/8" | 1-5/8" |
| TA-43304 | 8.92 | 43 | 8 | 3900 | 10 | 1350 | 3 | 300 | 75 | 220V/50HZ | 3X90 | 0.43 | 5/8" | 1-3/8" |
| TA-43404 | 17.34 | 65 | 12 | 9060 | 15 | 1350 | 3 | 400 | 82 | 220V/50HZ | 3X195 | 0.9 | 7/8" | 1-5/8" |
| TA-63404 | 20.06 | 98 | 18 | 8160 | 13 | 1350 | 3 | 400 | 82 | 220V/50HZ | 3X195 | 0.9 | 7/8" | 1-5/8" |
| TA-43504 | 31.73 | 116 | 21.3 | 17400 | 26 | 1350 | 3 | 500 | 88 | 380V/50HZ/3PH | 3X380 | 0.82 | 7/8" | 1-5/8" |
| TA-63504 | 39.89 | 174 | 32.2 | 15810 | 24 | 1350 | 3 | 500 | 88 | 380V/50HZ/3PH | 3X380 | 0.82 | 7/8" | 1-5/8" |
| TA-44304 | 12.50 | 60.2 | 10.6 | 5200 | 12 | 1350 | 4 | 300 | 76 | 220V/50HZ | 4X90 | 0.43 | 5/8" | 1-3/8" |
| TA-64404 | 28.35 | 130 | 23.7 | 10880 | 16 | 1350 | 4 | 400 | 83 | 220V/50HZ | 4X195 | 0.9 | 7/8" | 1-5/8" |
| TA-44504 | 44.48 | 155 | 28.6 | 23200 | 28 | 1350 | 4 | 500 | 89 | 380V/50HZ/3PH | 4X380 | 0.82 | 7/8" | 2-1/8" |
| TA-64504 | 53.19 | 232 | 41 | 21080 | 26 | 1350 | 4 | 500 | 89 | 380V/50HZ/3PH | 4X380 | 0.82 | 1-1/8" | 2-1/8" |

## TA SERIES AIR COOLER

Fin space: 7MM with electrical heater 0.93KW 31.93KW

| Model | Cooling Capacity (R404a) Room Temp.=-18℃ DT1=7KTD SC3 | Surface | Tube volume | Axial fan | | | | | | | | | Connection | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Voltage | Input Power | Current | Liquid | Gas |
| | KW | m² | Dm³ | m³/h | M | RPM | | MM | dB(A) | | W | A | Inch | Inch |
| TA-31257 | 0.93 | 4 | 1.4 | 880 | 4 | 1350 | 1 | 250 | 63 | 220V/50HZ | 1X55 | 0.24 | 3/8" | 1/2" |
| TA-41257 | 1.11 | 6 | 1.9 | 850 | 4 | 1350 | 1 | 250 | 63 | 220V/50HZ | 1X55 | 0.24 | 3/8" | 1/2" |
| TA-31307 | 1.49 | 7 | 2.1 | 1450 | 7 | 1350 | 1 | 300 | 70 | 220V/50HZ | 1X90 | 0.43 | 3/8" | 3/4" |
| TA-41307 | 1.78 | 9 | 2.8 | 1420 | 6 | 1350 | 1 | 300 | 70 | 220V/50HZ | 1X90 | 0.43 | 1/2" | 7/8" |
| TA-41407 | 3.48 | 13 | 4.2 | 3320 | 9 | 1350 | 1 | 400 | 77 | 220V/50HZ | 1X195 | 0.9 | 1/2" | 1-1/8" |
| TA-61407 | 4.33 | 20 | 6.3 | 3080 | 8 | 1350 | 1 | 400 | 77 | 220V/50HZ | 1X195 | 0.9 | 1/2" | 1-1/8" |
| TA-41507 | 6.37 | 23 | 7.6 | 6250 | 18 | 1350 | 1 | 500 | 83 | 380V/50HZ/3PH | 1X380 | 0.82 | 5/8" | 1-3/8" |
| TA-61507 | 8.06 | 35 | 11.1 | 5880 | 17 | 1350 | 1 | 500 | 83 | 380V/50HZ/3PH | 1X380 | 0.82 | 5/8" | 1-3/8" |
| TA-42257 | 2.22 | 12 | 3.6 | 1700 | 6 | 1350 | 2 | 250 | 66 | 220V/50HZ | 2X55 | 0.24 | 1/2" | 7/8" |
| TA-32307 | 2.96 | 13 | 4.1 | 2900 | 9 | 1350 | 2 | 300 | 73 | 220V/50HZ | 2X90 | 0.43 | 1/2" | 1-1/8" |
| TA-42307 | 3.57 | 17 | 5.5 | 2840 | 8 | 1350 | 2 | 300 | 73 | 220V/50HZ | 2X90 | 0.43 | 1/2" | 1-1/8" |
| TA-42407 | 6.92 | 26 | 8.2 | 6640 | 13 | 1350 | 2 | 400 | 80 | 220V/50HZ | 2X195 | 0.9 | 5/8" | 1-3/8" |
| TA-62407 | 8.57 | 39 | 12.1 | 6160 | 12 | 1350 | 2 | 400 | 80 | 220V/50HZ | 2X195 | 0.9 | 5/8" | 1-3/8" |
| TA-42507 | 12.43 | 46 | 14.3 | 12500 | 23 | 1350 | 2 | 500 | 86 | 380V/50HZ/3PH | 2X380 | 0.82 | 5/8" | 1-3/8" |
| TA-62507 | 16.01 | 69 | 21.5 | 11760 | 22 | 1350 | 2 | 500 | 86 | 380V/50HZ/3PH | 2X380 | 0.82 | 7/8" | 1-5/8" |
| TA-43307 | 5.34 | 26 | 8 | 4260 | 11 | 1350 | 3 | 300 | 75 | 220V/50HZ | 3X90 | 0.43 | 5/8" | 1-3/8" |
| TA-43407 | 10.49 | 39 | 12 | 9960 | 16 | 1350 | 3 | 400 | 82 | 220V/50HZ | 3X195 | 0.9 | 7/8" | 1-5/8" |
| TA-63407 | 12.98 | 59 | 18 | 9240 | 14 | 1350 | 3 | 400 | 82 | 220V/50HZ | 3X195 | 0.9 | 7/8" | 1-5/8" |
| TA-43507 | 18.96 | 69 | 21.3 | 18750 | 27 | 1350 | 3 | 500 | 88 | 380V/50HZ/3PH | 3X380 | 0.82 | 7/8" | 1-5/8" |
| TA-63507 | 23.83 | 104 | 32.2 | 17640 | 25 | 1350 | 3 | 500 | 88 | 380V/50HZ/3PH | 3X380 | 0.82 | 7/8" | 1-5/8" |
| TA-44307 | 7.05 | 34.3 | 10.6 | 5200 | 13 | 1350 | 4 | 300 | 76 | 220V/50HZ | 4X90 | 0.43 | 5/8" | 1-3/8" |
| TA-64407 | 17.21 | 78 | 23.7 | 12320 | 17 | 1350 | 4 | 400 | 83 | 220V/50HZ | 4X195 | 0.9 | 7/8" | 1-5/8" |
| TA-44507 | 24.96 | 93 | 28.6 | 25000 | 30 | 1350 | 4 | 500 | 89 | 380V/50HZ/3PH | 4X380 | 0.82 | 7/8" | 2-1/8" |
| TA-64507 | 31.93 | 139 | 41 | 23520 | 28 | 1350 | 4 | 500 | 89 | 380V/50HZ/3PH | 4X380 | 0.82 | 1-1/8" | 2-1/8" |

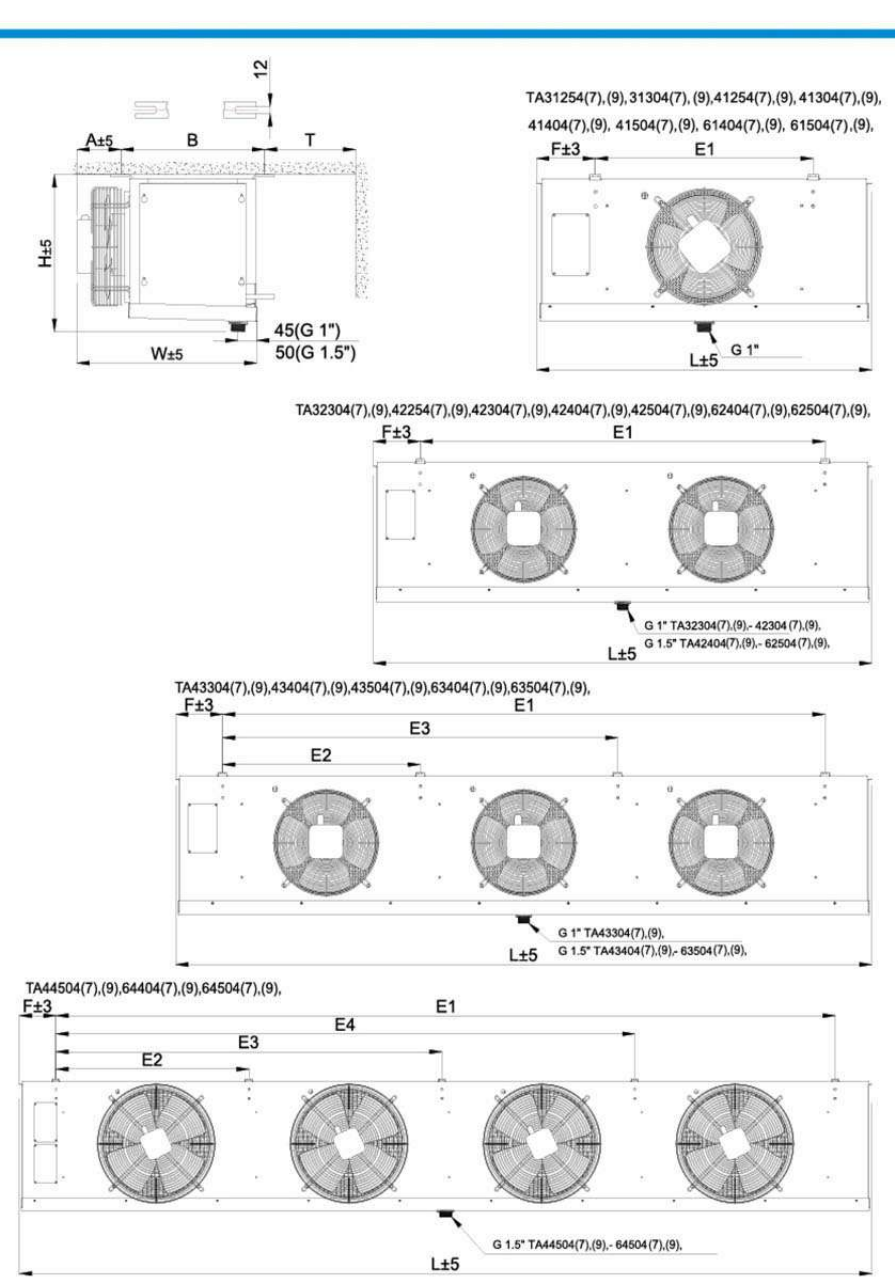
## TA SERIES AIR COOLER

Fin space: 9MM with electrical heater 0.79KW 25.96KW

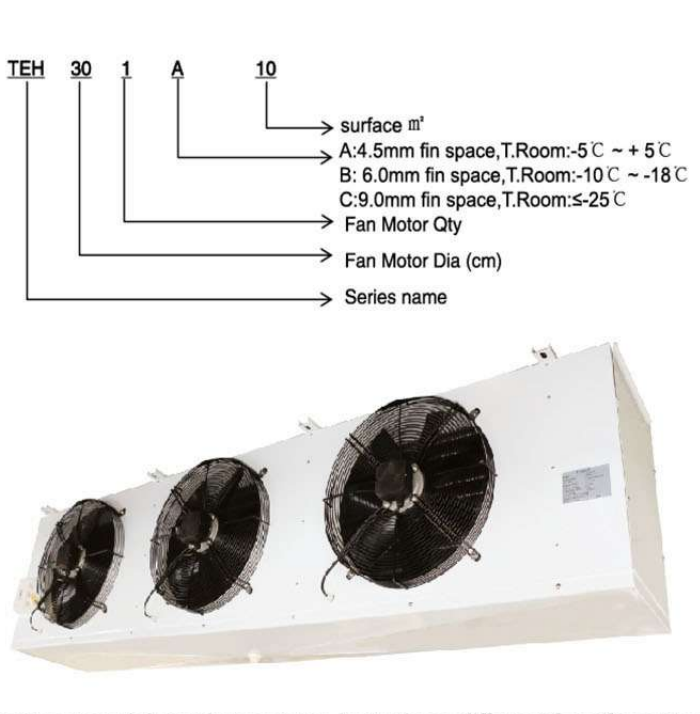
| Model | Cooling Capacity (R404a) Room Temp.=-25℃ DT1=6KTD SC4 | Surface | Tube volume | Axial fan | | | | | | | | | Connection | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Fan Speed | Quantity | Diameter | Noise Level in 3M | Voltage | Input Power | Current | Liquid | Gas |
| | KW | m² | Dm³ | m³/h | M | RPM | | MM | dB(A) | | W | A | Inch | Inch |
| TA-31259 | 0.79 | 3.58 | 1.4 | 920 | 5 | 1350 | 1 | 250 | 63 | 220V/50HZ | 1X55 | 0.24 | 3/8" | 1/2" |
| TA-41259 | 0.89 | 4.67 | 1.9 | 900 | 4 | 1350 | 1 | 250 | 63 | 220V/50HZ | 1X55 | 0.24 | 3/8" | 1/2" |
| TA-31309 | 1.27 | 5.37 | 2.1 | 1500 | 8 | 1350 | 1 | 300 | 70 | 220V/50HZ | 1X90 | 0.43 | 3/8" | 3/4" |
| TA-41309 | 1.45 | 7.08 | 2.8 | 1480 | 7 | 1350 | 1 | 300 | 70 | 220V/50HZ | 1X90 | 0.43 | 1/2" | 7/8" |
| TA-41409 | 2.61 | 10.66 | 4.2 | 3520 | 10 | 1350 | 1 | 400 | 77 | 220V/50HZ | 1X195 | 0.9 | 1/2" | 1-1/8" |
| TA-61409 | 3.28 | 15.87 | 6.3 | 3320 | 9 | 1350 | 1 | 400 | 77 | 220V/50HZ | 1X195 | 0.9 | 1/2" | 1-1/8" |
| TA-41509 | 5.06 | 18.9 | 7.6 | 6550 | 19 | 1350 | 1 | 500 | 83 | 380V/50HZ/3PH | 1X380 | 0.82 | 5/8" | 1-3/8" |
| TA-61509 | 6.50 | 28.23 | 11.1 | 6020 | 18 | 1350 | 1 | 500 | 83 | 380V/50HZ/3PH | 1X380 | 0.82 | 5/8" | 1-3/8" |
| TA-42259 | 1.79 | 9.49 | 3.6 | 1840 | 6 | 1350 | 2 | 250 | 66 | 220V/50HZ | 2X55 | 0.24 | 1/2" | 7/8" |
| TA-32309 | 2.53 | 10.66 | 4.1 | 3000 | 9 | 1350 | 2 | 300 | 73 | 220V/50HZ | 2X90 | 0.43 | 1/2" | 1-1/8" |
| TA-42309 | 2.90 | 14.16 | 5.5 | 2960 | 8 | 1350 | 2 | 300 | 73 | 220V/50HZ | 2X90 | 0.43 | 1/2" | 1-1/8" |
| TA-42409 | 5.20 | 21.23 | 8.2 | 7040 | 13 | 1350 | 2 | 400 | 80 | 220V/50HZ | 2X195 | 0.9 | 5/8" | 1-3/8" |
| TA-62409 | 6.55 | 31.66 | 12.1 | 6640 | 12 | 1350 | 2 | 400 | 80 | 220V/50HZ | 2X195 | 0.9 | 5/8" | 1-3/8" |
| TA-42509 | 10.11 | 37.8 | 14.3 | 13100 | 23 | 1350 | 2 | 500 | 86 | 380V/50HZ/3PH | 2X380 | 0.82 | 5/8" | 1-3/8" |
| TA-62509 | 12.99 | 56.39 | 21.5 | 12040 | 22 | 1350 | 2 | 500 | 86 | 380V/50HZ/3PH | 2X380 | 0.82 | 7/8" | 1-5/8" |
| TA-43309 | 4.35 | 21.23 | 8 | 4440 | 11 | 1350 | 3 | 300 | 75 | 220V/50HZ | 3X90 | 0.43 | 5/8" | 1-3/8" |
| TA-43409 | 7.81 | 31.89 | 12 | 10560 | 16 | 1350 | 3 | 400 | 82 | 220V/50HZ | 3X195 | 0.9 | 7/8" | 1-5/8" |
| TA-63409 | 9.83 | 47.52 | 18 | 9960 | 14 | 1350 | 3 | 400 | 82 | 220V/50HZ | 3X195 | 0.9 | 7/8" | 1-5/8" |
| TA-43509 | 15.18 | 56.78 | 21.3 | 19650 | 27 | 1350 | 3 | 500 | 88 | 380V/50HZ/3PH | 3X380 | 0.82 | 7/8" | 1-5/8" |
| TA-63509 | 19.49 | 84.62 | 32.2 | 18060 | 25 | 1350 | 3 | 500 | 88 | 380V/50HZ/3PH | 3X380 | 0.82 | 7/8" | 1-5/8" |
| TA-44309 | 5.81 | 28.39 | 10.6 | 5920 | 13 | 1350 | 4 | 300 | 76 | 220V/50HZ | 4X90 | 0.43 | 5/8" | 1-3/8" |
| TA-64409 | 13.12 | 63.47 | 23.7 | 13280 | 17 | 1350 | 4 | 400 | 83 | 220V/50HZ | 4X195 | 0.9 | 7/8" | 1-5/8" |
| TA-44509 | 20.21 | 75.52 | 28.6 | 26200 | 30 | 1350 | 4 | 500 | 89 | 380V/50HZ/3PH | 4X380 | 0.82 | 7/8" | 2-1/8" |
| TA-64509 | 25.96 | 112.6 | 41 | 24080 | 28 | 1350 | 4 | 500 | 89 | 380V/50HZ/3PH | 4X380 | 0.82 | 1-1/8" | 2-1/8" |

## TA SERIES AIR COOLER OVERALL SIZE

| Model | Electrical Defrosting | | | Net Weight | | Gross weight | | Size | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Coil | Water tray | amount | TA...4 | TA...7 | TA...4 | TA...7 | L | W | H | B | E1 | E2 | E3 | E4 | F | A | T |
| | w | w | w | kg | kg | kg | kg | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| TA-31254(7)(9) | 1070 | 575 | 1645 | 20.5 | 20 | 31 | 30.5 | 774 | 409 | 375 | 342 | 529 | - | - | - | 123 | 82 | 200 |
| TA-41254(7)(9) | 1070 | 575 | 1645 | 25 | 24 | 35.5 | 34.5 | 774 | 409 | 375 | 342 | 529 | - | - | - | 123 | 82 | 200 |
| TA-31304(7)(9) | 1230 | 690 | 1920 | 26.5 | 25.5 | 37.5 | 36.5 | 874 | 424 | 452 | 342 | 629 | - | - | - | 123 | 97 | 200 |
| TA-41304(7)(9) | 1230 | 690 | 1920 | 35 | 33.5 | 46 | 44.5 | 874 | 424 | 452 | 342 | 629 | - | - | - | 123 | 97 | 200 |
| TA-41404(7)(9) | 2070 | 880 | 2950 | 39.5 | 37 | 54.5 | 52.5 | 1024 | 514 | 532 | 412 | 779 | - | - | - | 123 | 117 | 300 |
| TA-61404(7)(9) | 2900 | 880 | 3780 | 44 | 39.5 | 59.5 | 55 | 1024 | 514 | 532 | 412 | 779 | - | - | - | 123 | 117 | 300 |
| TA-41504(7)(9) | 3520 | 995 | 5510 | 66 | 62.5 | 86 | 82.5 | 1275 | 594 | 680 | 491 | 1030 | - | - | - | 123 | 117 | 400 |
| TA-61504(7)(9) | 5520 | 1990 | 7510 | 75.5 | 69.5 | 95.5 | 89.5 | 1275 | 594 | 680 | 491 | 1030 | - | - | - | 123 | 117 | 400 |
| TA-42254(7)(9) | 1840 | 955 | 2795 | 43 | 41 | 58 | 56 | 1274 | 409 | 375 | 342 | 1029 | - | - | - | 123 | 82 | 200 |
| TA-32304(7)(9) | 2140 | 1145 | 3285 | 44 | 42 | 60 | 58 | 1474 | 424 | 452 | 342 | 1229 | - | - | - | 123 | 97 | 200 |
| TA-42304(7)(9) | 2140 | 1145 | 3285 | 47 | 44 | 63 | 60 | 1474 | 424 | 452 | 342 | 1229 | - | - | - | 123 | 97 | 200 |
| TA-42404(7)(9) | 3900 | 1435 | 5335 | 68.5 | 63 | 88.5 | 83 | 1774 | 514 | 532 | 412 | 1529 | - | - | - | 123 | 117 | 300 |
| TA-62404(7)(9) | 5200 | 1435 | 6635 | 87.5 | 80.5 | 107.5 | 100.5 | 1774 | 514 | 532 | 412 | 1529 | - | - | - | 123 | 117 | 300 |
| TA-42504(7)(9) | 6740 | 1270 | 10180 | 110.5 | 102.5 | 146 | 138 | 2295 | 594 | 680 | 491 | 2030 | - | - | - | 123 | 117 | 400 |
| TA-62504(7)(9) | 10110 | 3440 | 13550 | 135.5 | 123.5 | 171 | 159 | 2295 | 594 | 680 | 491 | 2030 | - | - | - | 123 | 117 | 400 |
| TA-43304(7)(9) | 3180 | 1590 | 4770 | 70.5 | 66 | 95.5 | 91 | 2074 | 424 | 452 | 342 | 1829 | 600 | 1200 | - | 123 | 97 | 200 |
| TA-43404(7)(9) | 5625 | 1950 | 7575 | 95.5 | 89 | 131.5 | 125 | 2544 | 514 | 532 | 412 | 2279 | 750 | 1500 | - | 123 | 117 | 300 |
| TA-63404(7)(9) | 7500 | 1950 | 9450 | 114 | 103.5 | 150 | 139.5 | 2544 | 514 | 532 | 412 | 2279 | 750 | 1500 | - | 123 | 117 | 300 |
| TA-43504(7)(9) | 9200 | 1815 | 12830 | 163.5 | 151.5 | 213.5 | 201.5 | 3275 | 594 | 680 | 491 | 3030 | 1000 | 2000 | - | 143 | 117 | 400 |
| TA-63504(7)(9) | 13800 | 3630 | 17430 | 192 | 174 | 242 | 224 | 3275 | 594 | 680 | 491 | 3030 | 1000 | 2000 | - | 143 | 117 | 400 |
| TA-44304(7)(9) | 4240 | 2120 | 6360 | 94 | 88 | 127 | 121 | 2674 | 424 | 452 | 342 | 1829 | 600 | 1200 | 1800 | 123 | 97 | 200 |
| TA-64404(7)(9) | 9200 | 3630 | 12830 | 125 | 111 | 171 | 157 | 3274 | 514 | 532 | 412 | 3029 | 750 | 1500 | 2250 | 123 | 117 | 300 |
| TA-44504(7)(9) | 12720 | 2385 | 17490 | 203.5 | 187.5 | 268.5 | 252.5 | 4274 | 594 | 680 | 491 | 4030 | 1000 | 2000 | 3000 | 143 | 117 | 400 |
| TA-64504(7)(9) | 19080 | 4770 | 23850 | 252 | 228 | 317 | 293 | 4274 | 594 | 680 | 491 | 4030 | 1000 | 2000 | 3000 | 143 | 117 | 400 |


12
A±5
B
T
H±5
W±5
45(G 1")
50(G 1.5")
TA31254(7),(9),31304(7),(9),41254(7),(9),41304(7),(9), 41404(7),(9), 41504(7),(9), 61404(7),(9), 61504(7),(9),
F±3
E1
L±5
G 1"
TA32304(7),(9),42254(7),(9),42304(7),(9),42404(7),(9),42504(7),(9),62404(7),(9),62504(7),(9),
G 1" TA32304(7),(9),- 42304(7),(9),
G 1.5" TA42404(7),(9),- 62504(7),(9),
TA43304(7),(9),43404(7),(9),43504(7),(9),63404(7),(9),63504(7),(9),
E2
E3
G 1" TA43304(7),(9),
G 1.5" TA43404(7),(9),- 63504(7),(9),
TA44504(7),(9),64404(7),(9),64504(7),(9),
E4
G 1.5" TA44504(7),(9),- 64504(7),(9),

## TEH SERIES AIR COOLER


TEH 30 1 A 10
surface m²
A:4.5mm fin space,T.Room:-5℃ ~ + 5℃
B: 6.0mm fin space,T.Room:-10℃ ~ -18℃
C:9.0mm fin space,T.Room:≤-25℃
Fan Motor Qty
Fan Motor Dia (cm)
Series name

To satisfy your specclal requirement ,we have three different fans for option.
The AC axial fan,axial fan with wall plate,axial fan with air duct.

Standard option 1 option 2

## TEH SERIES AIR COOLER

Fin space: 4.5MM with electrical heater 2.3KW 116KW

| Model | Capacity R404a(W) SC2 | Surface | Tube volume | Axial Fan | | | | | | | | Defrost Heater | | Inlet Outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Qty | Diameter | Noise Level in 3M | Voltage | Power | Current | Coil | Water Tray | |
| | Te=-8℃ Δt=8K | M² | Dm³ | M³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| TEH301A10 | 2312 | 10 | 1.74 | 1800 | 9 | 1 | 300 | 68 | 220V/50HZ | 1×83 | 0.43 | 1040 | 600 | 12x16 |
| TEH302A15 | 3977 | 15 | 2.63 | 3600 | 9 | 2 | 300 | 68 | 220V/50HZ | 2×83 | 2x0.43 | 1900 | 1040 | 12x16 |
| TEH302A20 | 4839 | 20 | 3.51 | 3600 | 9 | 2 | 300 | 68 | 220V/50HZ | 2×83 | 2x0.43 | 1900 | 1040 | 12x16 |
| TEH303A25 | 6564 | 25 | 4.45 | 5400 | 9 | 3 | 300 | 68 | 220V/50HZ | 3×83 | 3x0.43 | 2400 | 1300 | 12x16 |
| TEH402A40 | 8400 | 40 | 5.81 | 6200 | 17 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 2000 | 1110 | 16x22 |
| TEH402A55 | 11000 | 55 | 7.68 | 6200 | 17 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 2560 | 1350 | 16x22 |
| THE402A65 | 13523 | 65 | 10.24 | 6200 | 17 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 3840 | 1350 | 16x22 |
| TEH502A80 | 17723 | 80 | 13.68 | 11020 | 25 | 2 | 500 | 80 | 380V/50HZ/3PH | 2×495 | 2x1.14 | 7080 | 1560 | 19x32 |
| TEH502A105 | 23100 | 105 | 17.11 | 11020 | 25 | 2 | 500 | 80 | 380V/50HZ/3PH | 2×495 | 2x1.14 | 7080 | 1560 | 19x32 |
| TEH503A125 | 27995 | 125 | 22.17 | 16530 | 25 | 3 | 500 | 80 | 380V/50HZ/3PH | 3×495 | 3x1.14 | 9080 | 1960 | 19x38 |
| TEH503A160 | 34640 | 160 | 25.2 | 16530 | 25 | 3 | 500 | 80 | 380V/50HZ/3PH | 3×495 | 3x1.14 | 10280 | 2200 | 19x38 |
| TEH504A185 | 40320 | 185 | 29.25 | 22040 | 25 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 11880 | 2520 | 28x42 |
| TEH504A210 | 46080 | 210 | 33.29 | 22040 | 25 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 13480 | 2800 | 28x42 |
| TEH504A260 | 52000 | 260 | 43.27 | 22040 | 25 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 21600 | 2800 | 28x54 |
| TEH604A330 | 67665 | 330 | 53.24 | 40000 | 30 | 4 | 600 | 83 | 380V/50HZ/3PH | 4×750 | 4x1.7 | 21600 | 2800 | 28x54 |
| TEH604A410 | 82000 | 410 | 63.98 | 40000 | 30 | 4 | 600 | 83 | 380V/50HZ/3PH | 4×750 | 4x1.7 | 31600 | 3020 | 28x54 |
| TEH605A510 | 98390 | 510 | 83.62 | 50000 | 30 | 5 | 600 | 83 | 380V/50HZ/3PH | 5×750 | 5x1.7 | 38400 | 3400 | 28x54 |
| TEH605A570 | 116000 | 570 | 89.6 | 50000 | 30 | 5 | 600 | 83 | 380V/50HZ/3PH | 5×750 | 5x1.7 | 44500 | 3400 | 32x54 |

## TEH SERIES AIR COOLER

Fin Space: 6mm with electrical heater 1.66KW 81.4KW

| Model | Capacity R404a(W) SC3 | Surface | Tube volume | Axial Fan | | | | | | | | Defrost Heater | | Inlet Outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Qty | Diameter | Noise Level in 3M | Voltage | Power | Current | Coil | Water Tray | |
| | Te=-25℃ Δt=7K | M² | Dm³ | M³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| TEH301B7 | 1668 | 7 | 1.74 | 1800 | 10 | 1 | 300 | 68 | 220V/50HZ | 1×83 | 0.43 | 1040 | 600 | 12x16 |
| TEH302B12 | 2864 | 12 | 2.63 | 3600 | 10 | 2 | 300 | 68 | 220V/50HZ | 2×83 | 2x0.43 | 1900 | 1040 | 12x16 |
| TEH302B15 | 3503 | 15 | 3.51 | 3600 | 10 | 2 | 300 | 68 | 220V/50HZ | 2×83 | 2x0.43 | 1900 | 1040 | 12x16 |
| TEH303B22 | 4748 | 22 | 4.45 | 5400 | 10 | 3 | 300 | 68 | 220V/50HZ | 3×83 | 3x0.43 | 2400 | 1300 | 12x16 |
| TEH402B30 | 6039 | 30 | 5.81 | 6200 | 18 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 2000 | 1110 | 16x22 |
| TEH402B40 | 7459 | 40 | 7.68 | 6200 | 18 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 2560 | 1350 | 16x22 |
| TEH402B50 | 9580 | 50 | 10.24 | 6200 | 18 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 3840 | 1350 | 16x22 |
| TEH502B60 | 13067 | 60 | 13.68 | 11020 | 26 | 2 | 500 | 80 | 380V/50HZ/3PH | 2×495 | 2x1.14 | 7080 | 1560 | 19x32 |
| TEH502B80 | 16280 | 80 | 17.11 | 11020 | 26 | 2 | 500 | 80 | 380V/50HZ/3PH | 2×495 | 2x1.14 | 7080 | 1560 | 19x32 |
| TEH503B100 | 20630 | 100 | 22.17 | 16530 | 26 | 3 | 500 | 80 | 380V/50HZ/3PH | 3×495 | 3x1.14 | 9080 | 1840 | 19x35 |
| TEH503B120 | 24420 | 120 | 25.2 | 16530 | 26 | 3 | 500 | 80 | 380V/50HZ/3PH | 3×495 | 3x1.14 | 10080 | 2120 | 19x35 |
| TEH504B140 | 28490 | 140 | 29.25 | 22040 | 26 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 11680 | 2400 | 28x42 |
| TEH504B160 | 32560 | 160 | 33.29 | 22040 | 26 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 13480 | 2800 | 28x42 |
| TEH504B200 | 37000 | 200 | 43.27 | 22040 | 26 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 21600 | 2800 | 28x54 |
| TEH604B250 | 50141 | 250 | 53.24 | 40000 | 31 | 4 | 600 | 83 | 380V/50HZ/3PH | 4×750 | 4x1.7 | 21600 | 2800 | 28x54 |
| TEH604B310 | 57350 | 310 | 63.98 | 40000 | 31 | 4 | 600 | 83 | 380V/50HZ/3PH | 4×750 | 4x1.7 | 31600 | 3020 | 28x54 |
| TEH605B380 | 72045 | 380 | 83.62 | 50000 | 31 | 5 | 600 | 83 | 380V/50HZ/3PH | 5×750 | 5x1.7 | 38400 | 3400 | 28x54 |
| TEH605B440 | 81400 | 440 | 89.6 | 50000 | 31 | 5 | 600 | 83 | 380V/50HZ/3PH | 5×750 | 5x1.7 | 44500 | 3400 | 32x54 |
| TEH802B440 | 71200 | 440 | 96.3 | 36000 | 35 | 2 | 800 | 85 | 380V/50HZ/3PH | 2x1477 | 2x3.27 | 36000 | 4480 | 28x54 |

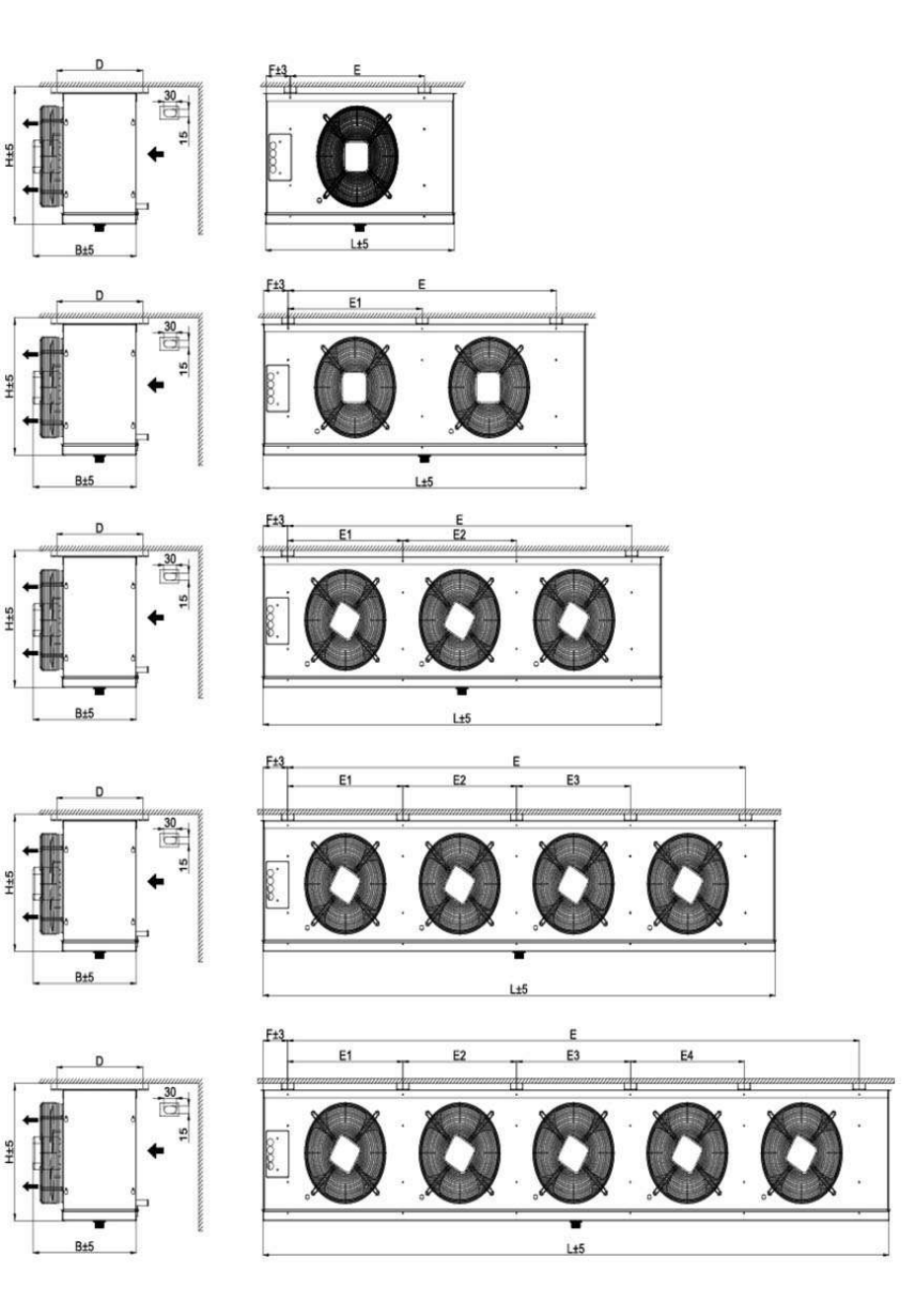
## TEH SERIES AIR COOLER

Fin Space: 9.0mm with electrical heater 1.92KW 49.7KW

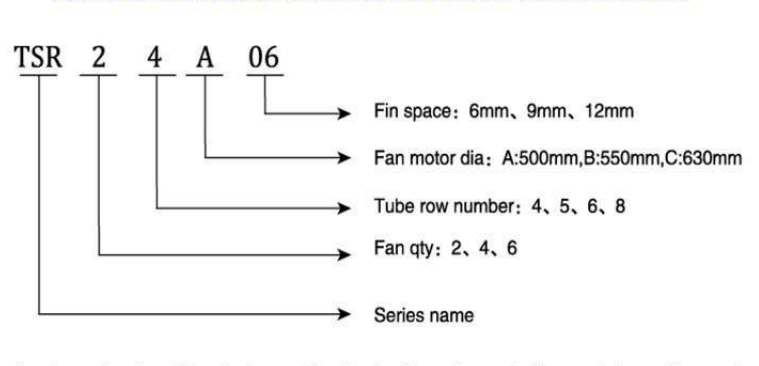
| Model | Capacity R404a(W) SC4 | Surface | Tube volume | Axial Fan | | | | | | | | Defrost Heater | | Inlet Outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air Flow | Distance | Qty | Diameter | Noise Level in 3M | Voltage | Power | Current | Coil | Water Tray | |
| | Te=-31℃ Δt=6K | M² | Dm³ | M³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| TEH302C8 | 1921 | 8 | 2.63 | 3600 | 11 | 2 | 300 | 68 | 220V/50HZ | 2×83 | 2x0.43 | 1900 | 1040 | 12x16 |
| TEH302C12 | 2340 | 12 | 3.51 | 3600 | 11 | 2 | 300 | 68 | 220V/50HZ | 2×83 | 2x0.43 | 1900 | 1040 | 12x16 |
| TEH303C15 | 3189 | 15 | 4.45 | 5400 | 11 | 3 | 300 | 68 | 220V/50HZ | 3×83 | 3x0.43 | 2400 | 1300 | 12x16 |
| TEH402C20 | 4090 | 20 | 5.81 | 6200 | 19 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 2000 | 1110 | 16x22 |
| TEH402C30 | 5930 | 30 | 7.68 | 6200 | 19 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 2560 | 1350 | 16x22 |
| TEH402C35 | 6095 | 35 | 10.24 | 6200 | 19 | 2 | 400 | 75 | 220V/50HZ | 2×180 | 2x0.91 | 3840 | 1350 | 16x22 |
| TEH502C40 | 8821 | 40 | 13.68 | 11020 | 27 | 2 | 500 | 80 | 380V/50HZ/3PH | 2×495 | 2x1.14 | 7080 | 1560 | 19x32 |
| TEH502C55 | 10063 | 55 | 17.11 | 11020 | 27 | 2 | 500 | 80 | 380V/50HZ/3PH | 2×495 | 2x1.14 | 7080 | 1560 | 19x32 |
| TEH503C70 | 13957 | 70 | 22.17 | 16530 | 27 | 3 | 500 | 80 | 380V/50HZ/3PH | 3×495 | 3x1.14 | 9080 | 1960 | 19x35 |
| TEH503C85 | 15104 | 85 | 25.2 | 16530 | 27 | 3 | 500 | 80 | 380V/50HZ/3PH | 3×495 | 3x1.14 | 10280 | 2200 | 19x35 |
| TEH504C100 | 18603 | 100 | 29.25 | 22040 | 27 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 11880 | 2520 | 28x42 |
| TEH504C115 | 20142 | 115 | 33.29 | 22040 | 27 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 13480 | 2800 | 28x42 |
| TEH504C140 | 23366 | 140 | 43.27 | 22040 | 27 | 4 | 500 | 80 | 380V/50HZ/3PH | 4×495 | 4x1.14 | 24300 | 5520 | 28x54 |
| TEH604C170 | 33931 | 170 | 53.24 | 40000 | 32 | 4 | 600 | 83 | 380V/50HZ/3PH | 4×750 | 4x1.7 | 24300 | 5520 | 28x54 |
| TEH604C210 | 37122 | 210 | 63.98 | 40000 | 32 | 4 | 600 | 83 | 380V/50HZ/3PH | 4×750 | 4x1.7 | 31600 | 6040 | 28x54 |
| TEH605C250 | 46491 | 250 | 79.64 | 50000 | 32 | 5 | 600 | 83 | 380V/50HZ/3PH | 5×750 | 5x1.7 | 33400 | 6400 | 28x54 |
| TEH605C300 | 49729 | 300 | 89.6 | 50000 | 32 | 5 | 600 | 83 | 380V/50HZ/3PH | 5×750 | 5x1.7 | 44500 | 6800 | 32x54 |
| TEH802C300 | 47230 | 300 | 96.3 | 36000 | 35 | 2 | 800 | 85 | 380V/50HZ/3PH | 2x1477 | 2x3.27 | 36000 | 4480 | 28x54 |

## TEH SERIES AIR COOLER OVERALL SIZE

| Model | L | B | H | Install Size mm | | | | | | | Drain |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | D | E | E₁ | E₂ | E₃ | E₄ | F | |
| TEH301A10<br>TEH301B7 | 740 | 420 | 435 | 340 | 510 | | | | | 95 | 1" |
| TEH302A15<br>TEH302B12<br>TEH302C8 | 1290 | 420 | 435 | 340 | 1060 | | | | | 95 | 1" |
| TEH302A20<br>TEH302B15<br>TEH302C12 | 1290 | 420 | 435 | 340 | 1060 | | | | | 95 | 1" |
| TEH303A25<br>TEH303B22<br>TEH303C15 | 1590 | 420 | 435 | 340 | 1360 | | | | | 95 | 1" |
| TEH402A40<br>TEH402B30<br>TEH402C20 | 1550 | 495 | 550 | 415 | 1250 | | | | | 97 | 1" |
| TEH402A55<br>TEH402B40<br>TEH402C30 | 1550 | 545 | 550 | 465 | 1250 | | | | | 97 | 1" |
| TEH402A65<br>TEH402B50<br>TEH402C35 | 1850 | 545 | 550 | 465 | 1550 | | | | | 97 | 1" |
| TEH502A80<br>TEH502B60<br>TEH502C40 | 1940 | 590 | 650 | 510 | 1650 | 820 | | | | 97 | 1~1/2" |
| TEH502A105<br>TEH502B80<br>TEH502C55 | 1940 | 590 | 650 | 510 | 1650 | 820 | | | | 97 | 1~1/2" |
| TEH503A125<br>TEH503B100<br>TEH503C70 | 2340 | 640 | 650 | 560 | 2050 | 685 | 670 | | | 97 | 1~1/2" |
| TEH503A160<br>TEH503B120<br>TEH503C85 | 2340 | 640 | 650 | 560 | 2050 | 685 | 670 | | | 97 | 1~1/2" |
| TEH504A185<br>TEH504B140<br>TEH504C100 | 3140 | 640 | 650 | 560 | 2850 | 720 | 700 | 700 | | 97 | 1~1/2" |
| TEH504A210<br>TEH504B160<br>TEH504C115 | 3140 | 640 | 650 | 560 | 2850 | 720 | 700 | 700 | | 97 | 1~1/2" |
| TEH504A260<br>TEH504B200<br>TEH504C140 | 3540 | 660 | 700 | 580 | 3250 | 820 | 800 | 800 | | 97 | 1~1/2" |
| TEH604A330<br>TEH604B250<br>TEH604C170 | 3540 | 660 | 845 | 630 | 3250 | 820 | 800 | 800 | | 97 | 1~1/2" |
| TEH604A410<br>TEH604B310<br>TEH604C210 | 3040 | 760 | 920 | 720 | 2750 | 715 | 675 | 675 | | 97 | 1~1/2" |
| TEH605A510<br>TEH605B380<br>TEH605C250 | 3940 | 760 | 870 | 720 | 3650 | 740 | 720 | 720 | 720 | 97 | 1~1/2" |
| TEH605A580<br>TEH605B440<br>TEH605C300 | 3940 | 760 | 970 | 720 | 3650 | 740 | 720 | 720 | 720 | 97 | 1~1/2" |



## TSR INDUSTRIAL QUICK FREEZING AIR COOLER



The TSR range has been developed in order to meet the food refrigeration sector' s most demanding requirements in terms of efficiency and effectiveness for all those applications where fast cooling is essential.
The models of this product range are specifically designed for blast chilling and blast freezing rooms,and are the ideal solution for a wide variety of installations(and room dimensions).
The units are floor-mounted,consisting of vertical modules with 2 blow-through horizontal air flow direction fan motors,with a choice of 3 different diameters(500,550 and 630 mm-operating temperature:-40 ÷ +60℃),equipped with special profile blades which guarantee appropriate air circulation thanks to the high pressure they produce.
The units are equipped with high pressure blow through fan motors,therefore it is important to check whether during operation there will be an excessive level of dehumidification that,in cases of low added static pressure,would lead to the projection (in terms of splashing) of water from the heat exchanger into the cold room.To avoid this phenomena the unit can be supplied with suction fan motors(FI option).
On request the models can be equipped with non-standard:coils,defrosting and fan motors.
For special applications and further information contact our Technical Dept.

Fin space：6mm

| Model | Capacity(W) R404a | Surface | Tube volume | Axial fan | | | | | | | | Defrost heater | | Inlet outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air flow | Distance | Qty | Diameter | Noise level in 3M | Voltage | Power | Current | Coil | Water tray | |
| | Te=-7℃ | M² | dm³ | m³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| TSR24A06 | 11620 | 86 | 19.1 | 15000 | 21 | 2 | 500 | 78 | 380V/50HZ | 2x610 | 2x1.43 | 8240 | 1650 | 19x35 |
| TSR24B06 | 12300 | 86 | 19.1 | 18400 | 26 | 2 | 550 | 78 | 380V/50HZ | 2x666 | 2x1.45 | 8240 | 1650 | 19x35 |
| TSR25B06 | 14620 | 108 | 23.9 | 18400 | 26 | 2 | 550 | 78 | 380V/50HZ | 2x666 | 2x1.45 | 11540 | 1650 | 19x35 |
| TSR24C06 | 18860 | 133 | 29.6 | 25600 | 33 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 12290 | 2050 | 28x42 |
| TSR26C06 | 25280 | 200 | 44.4 | 25600 | 33 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 15360 | 2050 | 28x54 |
| TSR28C06 | 31310 | 266 | 59.2 | 25600 | 33 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 16390 | 2050 | 28x54 |
| TSR44A06 | 23350 | 171 | 36.3 | 30000 | 21 | 4 | 500 | 79 | 380V/50HZ | 4x610 | 4x1.43 | 15040 | 3010 | 28x42 |
| TSR44B06 | 24730 | 171 | 36.3 | 36800 | 26 | 4 | 550 | 79 | 380V/50HZ | 4x666 | 4x1.45 | 15040 | 3010 | 28x42 |
| TSR45B06 | 29450 | 214 | 45.4 | 36800 | 26 | 4 | 550 | 79 | 380V/50HZ | 4x666 | 4x1.45 | 21060 | 3010 | 28x54 |
| TSR44C06 | 37510 | 265 | 56.3 | 51200 | 33 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 29830 | 3680 | 28x54 |
| TSR46C06 | 53130 | 398 | 84.4 | 51200 | 33 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 44740 | 3680 | 2x35<br>2x54 |
| TSR48C06 | 64880 | 530 | 112.6 | 51200 | 33 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 59650 | 3680 | 2x35<br>2x67 |
| TSR64A06 | 35390 | 256 | 54.3 | 45000 | 21 | 6 | 500 | 80 | 380V/50HZ | 6x610 | 6x1.43 | 30020 | 4290 | 28x54 |
| TSR64B06 | 37410 | 256 | 54.3 | 55200 | 26 | 6 | 550 | 80 | 380V/50HZ | 6x666 | 6x1.45 | 30020 | 4290 | 28x54 |
| TSR65B06 | 44160 | 320 | 67.9 | 55200 | 26 | 6 | 550 | 80 | 380V/50HZ | 6x666 | 6x1.45 | 42880 | 4290 | 28x54 |
| TSR64C06 | 56350 | 397 | 84.3 | 76800 | 33 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 43910 | 5490 | 2x35<br>2x67 |
| TSR66C06 | 77540 | 596 | 126.5 | 76800 | 33 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 65860 | 5490 | 2x35<br>2x67 |
| TSR68C06 | 97660 | 794 | 168.6 | 76800 | 33 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 87810 | 5490 | 2x35<br>2x67 |

Te=-7℃ ΔT=7K

Fin space：9mm

| Model | Capacity(W) R404a | Surface | Tube volume | Axial fan | | | | | | | | Defrost heater | | Inlet outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air flow | Distance | Qty | Diameter | Noise level in 3M | Voltage | Power | Current | Coil | Water tray | |
| | Te=-38℃ | M² | dm³ | m³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| TSR24A09 | 6380 | 57 | 19.1 | 15000 | 22 | 2 | 500 | 78 | 380V/50HZ | 2x610 | 2x1.43 | 8240 | 1650 | 19x35 |
| TSR24B09 | 6820 | 57 | 19.1 | 18400 | 27 | 2 | 550 | 78 | 380V/50HZ | 2x666 | 2x1.45 | 8240 | 1650 | 19x35 |
| TSR25B09 | 8120 | 72 | 23.9 | 18400 | 27 | 2 | 550 | 78 | 380V/50HZ | 2x666 | 2x1.45 | 11540 | 1650 | 19x35 |
| TSR24C09 | 10380 | 89 | 29.6 | 25600 | 34 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 12290 | 2050 | 28x42 |
| TSR26C09 | 13800 | 133 | 44.4 | 25600 | 34 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 15360 | 2050 | 28x54 |
| TSR28C09 | 15100 | 178 | 59.2 | 25600 | 34 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 16390 | 2050 | 28x54 |
| TSR44A09 | 12920 | 114 | 36.3 | 30000 | 22 | 4 | 500 | 79 | 380V/50HZ | 4x610 | 4x1.43 | 15040 | 3010 | 28x42 |
| TSR44B09 | 13840 | 114 | 36.3 | 36800 | 27 | 4 | 550 | 79 | 380V/50HZ | 4x666 | 4x1.45 | 15040 | 3010 | 28x42 |
| TSR45B09 | 16430 | 143 | 45.4 | 36800 | 27 | 4 | 550 | 79 | 380V/50HZ | 4x666 | 4x1.45 | 21060 | 3010 | 28x54 |
| TSR44C09 | 20980 | 177 | 56.3 | 51200 | 34 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 29830 | 3680 | 28x54 |
| TSR46C09 | 29960 | 265 | 84.4 | 51200 | 34 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 44740 | 3680 | 2x35<br>2x54 |
| TSR48C09 | 37010 | 354 | 112.6 | 51200 | 34 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 59650 | 3680 | 2x35<br>2x67 |
| TSR64A09 | 19980 | 171 | 54.3 | 45000 | 22 | 6 | 500 | 80 | 380V/50HZ | 6x610 | 6x1.43 | 30020 | 4290 | 28x54 |
| TSR64B09 | 21290 | 171 | 54.3 | 55200 | 27 | 6 | 550 | 80 | 380V/50HZ | 6x666 | 6x1.45 | 30020 | 4290 | 28x54 |
| TSR65B09 | 24750 | 213 | 67.9 | 55200 | 27 | 6 | 550 | 80 | 380V/50HZ | 6x666 | 6x1.45 | 42880 | 4290 | 28x54 |
| TSR64C09 | 31590 | 265 | 84.3 | 76800 | 34 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 43910 | 5490 | 2x35<br>2x67 |
| TSR66C09 | 43030 | 397 | 126.5 | 76800 | 34 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 65860 | 5490 | 2x35<br>2x67 |
| TSR68C09 | 55430 | 530 | 168.6 | 76800 | 34 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 87810 | 5490 | 2x35<br>2x67 |

Te=-38℃ ΔT=6K

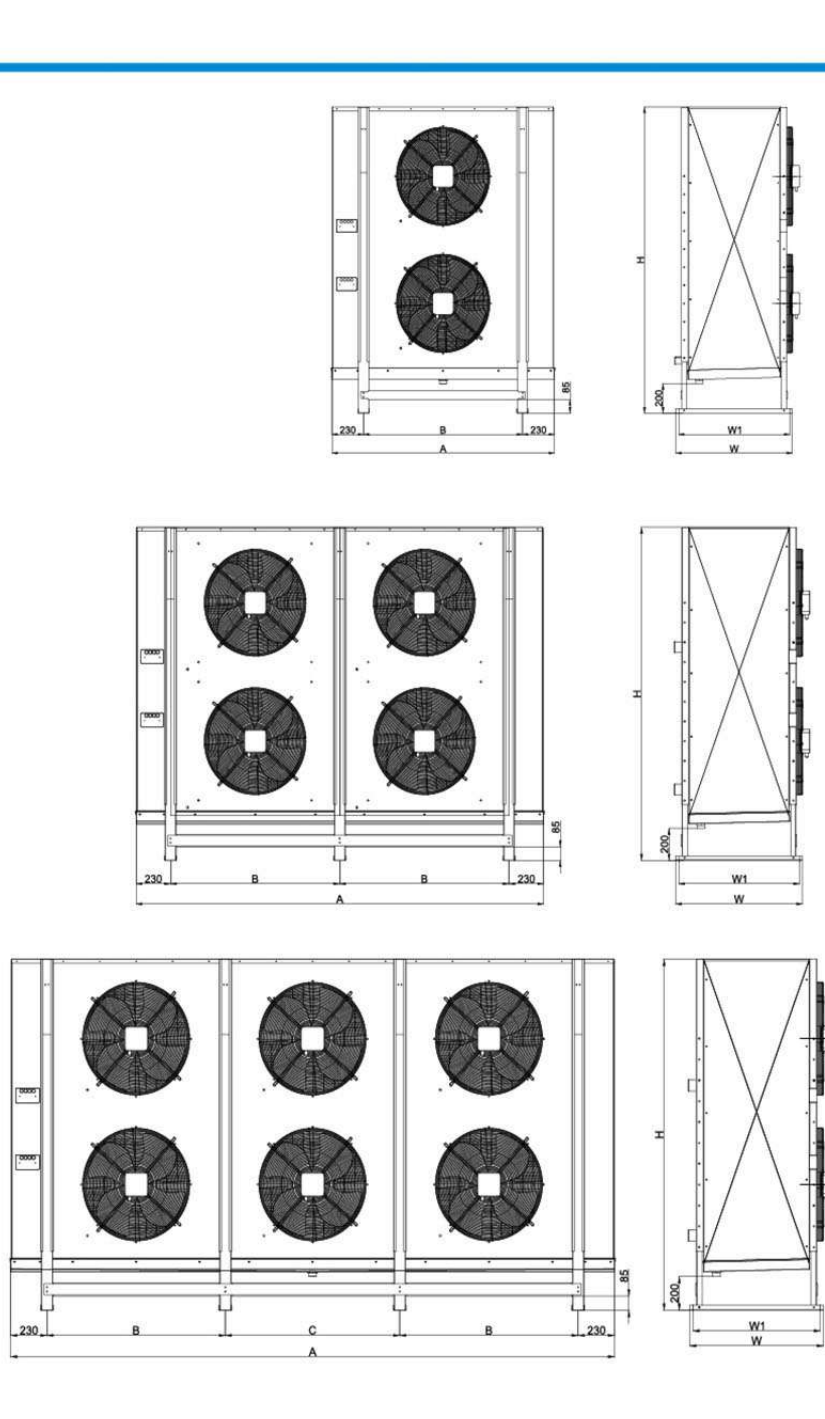
Fin space：12mm

| Model | Capacity(W) R404a | Surface | Tube volume | Axial fan | | | | | | | | Defrost heater | | Inlet outlet |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air flow | Distance | Qty | Diameter | Noise level in 3M | Voltage | Power | Current | Coil | Water tray | |
| | Te=-38℃ | M² | dm³ | m³/h | M | pc | mm | dB(A) | V | W | A | W | W | mm |
| TSR24A12 | 5290 | 43 | 19.1 | 15000 | 23 | 2 | 500 | 78 | 380V/50HZ | 2x610 | 2x1.43 | 8240 | 1650 | 19x35 |
| TSR24B12 | 5670 | 43 | 19.1 | 18400 | 28 | 2 | 550 | 78 | 380V/50HZ | 2x666 | 2x1.45 | 8240 | 1650 | 19x35 |
| TSR25B12 | 6780 | 54 | 23.9 | 18400 | 28 | 2 | 550 | 78 | 380V/50HZ | 2x666 | 2x1.45 | 11540 | 1650 | 19x35 |
| TSR24C12 | 8620 | 67 | 29.6 | 25600 | 35 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 12290 | 2050 | 28x42 |
| TSR26C12 | 11060 | 100 | 44.4 | 25600 | 35 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 15360 | 2050 | 28x54 |
| TSR28C12 | 15560 | 133 | 59.2 | 25600 | 35 | 2 | 630 | 84 | 380V/50HZ | 2x1012 | 2x1.98 | 16390 | 2050 | 28x54 |
| TSR44A12 | 10650 | 86 | 36.3 | 30000 | 23 | 4 | 500 | 79 | 380V/50HZ | 4x610 | 4x1.43 | 15040 | 3010 | 28x42 |
| TSR44B12 | 11420 | 86 | 36.3 | 36800 | 28 | 4 | 550 | 79 | 380V/50HZ | 4x666 | 4x1.45 | 15040 | 3010 | 28x42 |
| TSR45B12 | 13660 | 107 | 45.4 | 36800 | 28 | 4 | 550 | 79 | 380V/50HZ | 4x666 | 4x1.45 | 21060 | 3010 | 28x54 |
| TSR44C12 | 17360 | 133 | 56.3 | 51200 | 35 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 29830 | 3680 | 28x54 |
| TSR46C12 | 25260 | 199 | 84.4 | 51200 | 35 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 44740 | 3680 | 2x35<br>2x54 |
| TSR48C12 | 32250 | 265 | 112.6 | 51200 | 35 | 4 | 630 | 85 | 380V/50HZ | 4x1012 | 4x1.98 | 59650 | 3680 | 2x35<br>2x67 |
| TSR64A12 | 16690 | 128 | 54.3 | 45000 | 23 | 6 | 500 | 80 | 380V/50HZ | 6x610 | 6x1.43 | 30020 | 4290 | 28x54 |
| TSR64B12 | 17850 | 128 | 54.3 | 55200 | 28 | 6 | 550 | 80 | 380V/50HZ | 6x666 | 6x1.45 | 30020 | 4290 | 28x54 |
| TSR65B12 | 20530 | 160 | 67.9 | 55200 | 28 | 6 | 550 | 80 | 380V/50HZ | 6x666 | 6x1.45 | 42880 | 4290 | 28x54 |
| TSR64C12 | 26100 | 199 | 84.3 | 76800 | 35 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 43910 | 5490 | 2x35<br>2x67 |
| TSR66C12 | 38140 | 298 | 126.5 | 76800 | 35 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 65860 | 5490 | 2x35<br>2x67 |
| TSR68C12 | 47010 | 397 | 168.6 | 76800 | 35 | 6 | 630 | 86 | 380V/50HZ | 6x1012 | 6x1.98 | 87810 | 5490 | 2x35<br>2x67 |

Te=-38℃ ΔT=6K

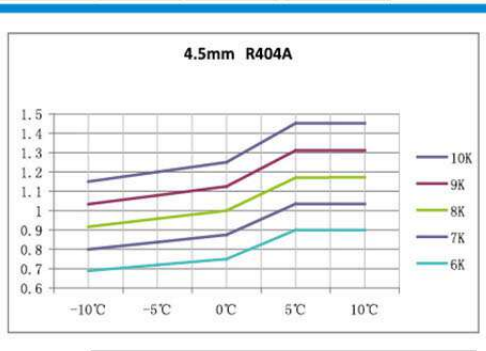
## TSR SERIES AIR COOLER OVERALL SIZE

| Model | A | W | H | Install size (mm) | | | Drain |
|---|---|---|---|---|---|---|---|
| | | | | B | C | W1 | |
| TSR24A06<br>TSR24A09<br>TSR24A012 | 1359 | 743 | 1805 | 900 | – | 703 | 1.5" |
| TSR24B06<br>TSR24B09<br>TSR24B12 | 1359 | 743 | 1805 | 900 | – | 703 | 1.5" |
| TSR25B06<br>TSR25B09<br>TSR25B12 | 1359 | 743 | 1805 | 900 | – | 703 | 1.5" |
| TSR24C06<br>TSR24C09<br>TSR24C12 | 1609 | 843 | 2105 | 1150 | – | 803 | 1.5" |
| TSR26C06<br>TSR26C09<br>TSR26C12 | 1609 | 843 | 2105 | 1150 | – | 803 | 1.5" |
| TSR28C06<br>TSR28C09<br>TSR28C12 | 1609 | 843 | 2105 | 1150 | – | 803 | 1.5" |
| TSR44A06<br>TSR44A09<br>TSR44A12 | 2209 | 743 | 1805 | 875 | – | 703 | 1.5" |
| TSR44B06<br>TSR44B09<br>TSR44B12 | 2209 | 743 | 1805 | 875 | – | 703 | 1.5" |
| TSR45B06<br>TSR45B09<br>TSR45B12 | 2209 | 743 | 1805 | 875 | – | 703 | 1.5" |
| TSR44C06<br>TSR44C09<br>TSR44C12 | 2709 | 843 | 2105 | 1125 | – | 803 | 1.5" |
| TSR46C06<br>TSR46C09<br>TSR46C12 | 2709 | 843 | 2105 | 1125 | – | 803 | 1.5" |
| TSR48C06<br>TSR48C09<br>TSR48C12 | 2709 | 843 | 2105 | 1125 | – | 803 | 1.5" |
| TSR64A06<br>TSR64A09<br>TSR64A12 | 3059 | 743 | 1805 | 875 | 850 | 703 | 1.5" |
| TSR64B06<br>TSR64B09<br>TSR64B12 | 3059 | 743 | 1805 | 875 | 850 | 703 | 1.5" |
| TSR65B06<br>TSR65B09<br>TSR65B12 | 3059 | 743 | 1805 | 875 | 850 | 703 | 1.5" |
| TSR64C06<br>TSR64C09<br>TSR64C12 | 3809 | 843 | 2105 | 1125 | 1100 | 803 | 1.5" |
| TSR66C06<br>TSR66C09<br>TSR66C12 | 3809 | 843 | 2105 | 1125 | 1100 | 803 | 1.5" |
| TSR68C06<br>TSR68C09<br>TSR68C12 | 3809 | 843 | 2105 | 1125 | 1100 | 803 | 1.5" |



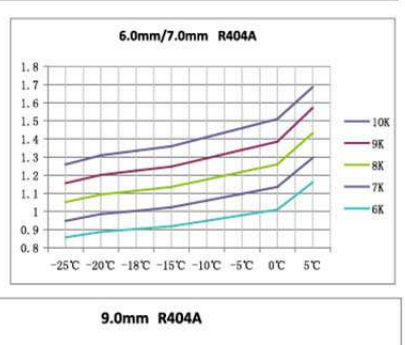
F1（Temperature Corrector Factor）

| ΔT \ Tr | -10℃ | -5℃ | 0℃ | 2℃ | 5℃ | 10℃ |
|---|---|---|---|---|---|---|
| 10K | 1.15 | 1.2 | 1.25 | 1.3 | 1.452 | 1.452 |
| 9K | 1.033 | 1.079 | 1.125 | 1.2175 | 1.31 | 1.31 |
| 8K | 0.917 | 0.9585 | 1 | 1.085 | 1.17 | 1.172 |
| 7K | 0.8 | 0.8375 | 0.875 | 0.905 | 1.035 | 1.035 |
| 6K | 0.689 | 0.7195 | 0.75 | 0.825 | 0.9 | 0.9 |



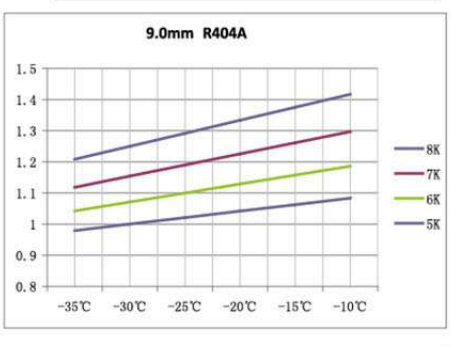
F1（Temperature Corrector Factor）

| ΔT \ Tr | -25℃ | -20℃ | -18℃ | -15℃ | -10℃ | -5℃ | 0℃ | 5℃ |
|---|---|---|---|---|---|---|---|---|
| 10K | 1.26 | 1.31 | 1.335 | 1.36 | 1.41 | 1.46 | 1.51 | 1.685 |
| 9K | 1.156 | 1.2018 | 1.225 | 1.2476 | 1.2934 | 1.3392 | 1.385 | 1.571 |
| 8K | 1.052 | 1.0936 | 1.114 | 1.1352 | 1.1768 | 1.2184 | 1.26 | 1.43 |
| 7K | 0.948 | 0.9854 | 1.003 | 1.0228 | 1.0602 | 1.0976 | 1.135 | 1.295 |
| 6K | 0.857 | 0.8876 | 0.903 | 0.9182 | 0.9488 | 0.9794 | 1.01 | 1.16 |



F1（Temperature Corrector Factor）

| ΔT \ Tr | -35℃ | -30℃ | -25℃ | -20℃ | -15℃ | -10℃ |
|---|---|---|---|---|---|---|
| 8K | 1.208 | 1.2498 | 1.2916 | 1.3334 | 1.3752 | 1.417 |
| 7K | 1.118 | 1.1538 | 1.1896 | 1.2254 | 1.2612 | 1.297 |
| 6K | 1.042 | 1.0708 | 1.0996 | 1.1284 | 1.1572 | 1.186 |
| 5K | 0.979 | 0.9998 | 1.0206 | 1.0414 | 1.0622 | 1.083 |



| F2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| T.room(℃) | -35℃ | -30℃ | -25℃ | -20℃ | -15℃ | -10℃ | -5℃ | 0℃ | 5℃ | 10℃ |
| R22 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| R134a | - | - | - | - | 0.86 | 0.88 | 0.89 | 0.91 | 0.92 | 0.93 |
| R404A(R507) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Actual capacity=Nominal capacity X F1 X F2

Standard: EN328

| Standard condition | Air inlet temp.(℃) | Evaporation temp.(℃) | Superheat | Relative humidity | correction factor |
|---|---|---|---|---|---|
| SC1 | 10 | 0 | 6.5K | 85% | 1.35 |
| SC2 | 0 | -8 | 5.2K | 85% | 1.15 |
| SC3 | -18 | -25 | 4.6K | 95% | 1.05 |
| SC4 | -25 | -31 | 3.9K | 95% | 1.01 |
| SC5 | -34 | -40 | 3.9K | 95% | 1.01 |