

Kelvion



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Reliable Engineering that lasts

KELVION FM INDUSTRIAL COOLER







**Kelvion –
a tribute to
Lord Kelvin**

**70 branches and
sales partners
worldwide**

**More than 4,000
employees
worldwide**

Lord Kelvin (1824 – 1907) formulated
the laws of thermodynamics

EXPERTS IN HEAT EXCHANGE – SINCE 1920

Welcome to Kelvion. As successor to the GEA Heat Exchangers Group, we continue to break new ground, making discerning customers more successful than ever with our integrated heat exchanger solutions.

Our solutions for your applications:

We offer our customers one of the world's largest product portfolios in the field of heat exchangers. It includes individual solutions for practically all conceivable applications and complex environmental conditions: plate heat exchangers, shell and tube heat exchangers, finned tube heat exchangers, modular cooling tower systems, and refrigeration heat exchangers.

Your markets are our markets, too:

The markets in which you and we together operate are among the most important in the world: the chemical industry, food and beverages, the heavy industry, climate and environment, marine applications, the oil and gas industry, energy, refrigeration technology, sugar and transportation. We provide every single market segment with solutions of outstanding efficiency, safety, and sustainability.

We are highly committed to earning your trust:

We want to win your trust with everything we do and convince you with the solutions we offer. With this high aim in mind, we invest our extensive know-how, our great precision, and our passion in everything we do: including product development, manufacturing, installation, and after-sales support.


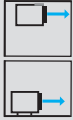


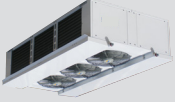

Seeing things from the customer perspective:

Your specific requirements count – and nothing else. Whatever we offer you, it must meet these requirements. Our entire way of thinking and working is geared towards this aim. Our customers truly appreciate this: after all, this is how we make their companies more efficient.

We are at your service.

Kelvion – Experts in Heat Exchange.

INDUSTRIAL AIR COOLER RANGE

| MODEL | NO.FANS | CONFIGURATION | EUROVENT | SUPPLY | EC FANS | STANDARD ELECTRIC | HEAVY ELECTRIC DEFROST | HOT GAS A/B/C/D DEFROST | CO2 | FIN MATERIAL | CAPACITY |
|--|---------|--|----------|--------|---------|-------------------|------------------------|-------------------------|-----|--------------|------------|
| SM  | 1 - 4 |  | ✓ | 3 ph | ○ | ✓ | ✓ | ✓ | ✓ | AL, AV | 12 - 199kW |
| FM  | 1 - 4 |  | ✓ | 3 ph | ○ | ✓ | ✓ | ✓ | ✓ | AL, AV | 22 - 265kW |
| LSR  | 1 - 6 |  | ✓ | 3 ph | X | ✓ | X | ✓ | ✓ | AL, AV | 6 - 89kW |

✓ YES X NO ○ OPTION

FM SPECIFICATION

CASEWORK: The FM displays a unique style the casework is manufactured in galvanized steel sheet panels painted in our traditional white RAL 9010 with the option of either vertical or horizontal orientation. The robust construction design is durable to withstand the most demanding of applications allowing easy access for maintaining and cleaning. The axial fan sets are bolted directly onto the heavy gauge fan plates which are supported by rigid cross members. The structural one-piece draintray allows units to be lifted from underneath. It is double skinned to assist defrost at low temperature and prevent condensation in high temperature applications

FANS/MOTORS & NOISE DATA: Defrost loads include drain pan power peripheral heater load (where fitted) for ducted axial fan sets 800mm diameter = 630W, 900mm diameter = 710W per fan.

- Ducted axial fans with 125Pa of external static pressure are standard.
- Standard fans are supplied with 4 pole, nominal 1440rpm fan speeds.
- Noise levels are quoted at a distance of 3m from the unit at an angle of 45° to the horizontal within a free field condition.
- The motors are three phase and suitable for 400V/50Hz as standard.
- The fan sets are provided with a motor side wire guard.

COIL: The coil has been specially designed to offer a large secondary cooling surface which is beneficial for industrial refrigeration applications. Frost can build over a larger surface, reducing the number of defrost cycles, and allowing the cooler to operate efficiently for longer periods.

- Manufactured from 5/8" Tube
- Tube Pitch In Direction of Airflow = 50.8mm
- Tube Pitch Across Airflow = 55mm
- Fin Spacing(s): 4mm, 6mm and 8mm
- Fin Features: Light Ripple and Heater Holes

ADDITIONAL INFORMATION: Air throws quoted within this catalogue are based on a terminal velocity of 0.25m/s in ideal conditions. Store layout, cooler location and discharge orientation can affect the air throw. Please refer to your supplier for further information. Arranged as bottom feed for pump rates between 3:1 and 5:1. For other pump rates please refer to your supplier. Incorrect unit location will adversely affect unit performance and air throw. For advice on unit location, please contact your supplier.

A full range of turning cowls (for vertical discharge units no external static pressure) and air operated dampers are available. Other options may be available please consult your local Kelvion representative for further details.

FM INDUSTRIAL COOLER






BENEFITS

- ▶ **The FM range of large floor mounted coolers from Kelvion features:** draw through' arrangement where air enters the front of the cooler horizontally and is turned to discharge either horizontally or vertically.
- ▶ **The FM displays a unique style the casework:** Robust construction, designed to withstand demanding applications. One-piece draintray allows units to be lifted, fully-assembled, from underneath with easy access for maintenance and cleaning.
- ▶ **The coil has been specially designed to offer a large secondary cooling surface:** Beneficial for industrial refrigeration applications. Frost can build over a larger surface, reducing the number of defrost cycles, and allowing the cooler to operate efficiently for longer periods.
- ▶ **Eurovent certify-all:** independent certification for thermal performance, power consumption, sound data and unit air volumes for standard products under scheme limits.

CAPACITY RANGE

HFO/HFK 22 kW - 265 kW
 $t_L=0^{\circ}\text{C} \mid t_o=-8^{\circ}\text{C} \mid \text{DT}=8\text{K} \mid \text{[SC2]} \mid \text{R404A}$

HEAT EXCHANGE

- ▶ Fin Type: S
- ▶ Tube Diameter: [in mm]
15.8 |
- ▶ Standard Fin spacing: [in mm]
4 | 6 | 8 |
- ▶ Fin Enhancements: Light Ripple

VARIANTS & ACCESSORIES

- ▶ Fan sets
- ▶ Heaters - Coil Block
- ▶ Heaters - Drain Tray

DEFROST

| DEFROST | FAN | COIL | DRIP TRAY |
|-------------------|-----|------|-----------|
| Standard Electric | ✓ | ✓ | ✓ |
| Heavy Electric | | ✓ | ✓ |
| Hot gas | | ✓ | ✓ |

Defrost loads include drain pan power as below

| MODULES | FM-1 | FM-2 | FM-3 | FM-4 |
|----------|------|------|------|------|
| Drainpan | 1.6 | 3.2 | 4.8 | 6.4 |

Peripheral heater load (where fitted) for ducted axial fan sets 800mm diameter = 630W, 900mm diameter = 710W per fan.

FAN

- ▶ AC Standard



Ø 800mm
Ø 900mm
IP55
3 phase

MATERIALS

| MATERIAL | TUBE | FINS | CASING | END PLATE |
|----------------------|------|------|--------|-----------|
| Copper (Cu) | ✓ | ✓ | | |
| Aluminium (Al) | | ✓ | | ✓ |
| Aluminium Epoxy (AV) | | ✓ | | |
| Galvanised Steel | | | ✓ | |

✓ Standard | ✓ Available as a variant

REFRIGERANT DATA

| REFRIGERATION | R404A | R134a | R507A | R407A/F | R407C |
|--|-------|-------|-------|---------|-------|
| Capacity factor (dew point, DT1) | 1.00 | 0.91 | 0.97 | 1.24* | 1.26* |
| Refrigerant charge density (kg/dm ³) | 0.312 | 0.338 | 0.313 | 0.332 | 0.332 |

* Capacity factors for refrigerants with high glide apply only at the nominal rating condition. Refrigerant charge densities are based on 25% of the internal volume being liquid.

DESIGNATION

The model number indicates the casework model size and other relevant information, for example: -

| PART NUMBER | FM | 20 | 1 | - | 6 | 6 | - | AA | - | V | EL | CU/AL |
|-------------|----|----|---|---|---|---|---|----|---|---|----|-------|
|-------------|----|----|---|---|---|---|---|----|---|---|----|-------|

| | | | | | | | | | | | | |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Range: | FM | | | | | | | | | | | |
| Height of case: | Tube high = 20 , 24, 30, 36 | | | | | | | | | | | |
| No of fans: | 1 , 2, 3, 4, | | | | | | | | | | | |
| Coil depth: | 4, 6 , 8 | | | | | | | | | | | |
| Fin spacing: | 4mm, 6 mm, 8mm | | | | | | | | | | | |
| Fan/motor type: | Ducted axial AA , AB, AC, AD | | | | | | | | | | | |
| Orientation: | Discharge: V = vertical, H = Horizontal | | | | | | | | | | | |
| Coil materials: | EL = Electric defrost in coil and drain tray, HGDA,B,C,D = hot gas coil, electric drain tray defrost, HGDA,B = hot gas coil and drain tray defrost, HGDC = hot gas coil and drain tray defrost, HGDD = hot gas coil and drain tray defrost, | | | | | | | | | | | |
| Coil material: | CU/AL = Copper, Aluminium Fin | | | | | | | | | | | |

SELECTION DATA - 4MM SPECIFICATION

| MODEL | CAPACITY | DIA | SECTION | POWER INPUT | FLC PER FAN | SC PER FAN | | | | | CONNECTION | | INTER-NAL VOLUME | SUR-FACE AREA | DE-FROST | WEIGHT | |
|-------------|----------|-----|---------|-------------|-------------|------------|---------------------|-----------|-------------------|----------------------|------------|------------|------------------|----------------|----------|-----------|-------------|
| | | | | | | | AIR VOLUME at 125Pa | AIR THROW | SOUND POWER LEVEL | SOUND PRESSURE LEVEL | INLET | OUTLET | | | | VER-TICAL | HORI-ZONTAL |
| | kw | | | w | Amps | Amps | m ³ /s | m | dB(A) | dB(A) | | | dm ³ | m ² | kg | kg | kg |
| FM201-44-AA | 26.4 | 800 | 1 | 3.3 | 5.8 | 30A | 4.54 | 51 | 94 | 77 | 5/8" | 13/8" | 26 | 137.5 | 10 | 451 | 532 |
| FM201-64-AA | 32.1 | 800 | 1 | 3.3 | 5.8 | 30A | 4.19 | 47 | 94 | 77 | 5/8" | 13/8" | 38 | 206.3 | 12 | 488 | 569 |
| FM202-44-AA | 52.1 | 800 | 1 | 3.3 | 5.8 | 30A | 9.07 | 51 | 97 | 80 | 3/4" | 13/8" | 49 | 275 | 19 | 686 | 782 |
| FM202-64-AA | 64.5 | 800 | 1 | 3.3 | 5.8 | 30A | 8.39 | 47 | 97 | 80 | 3/4" | 15/8" | 72 | 412.5 | 24 | 759 | 855 |
| FM203-44-AA | 80.1 | 800 | 1 | 3.3 | 5.8 | 30A | 13.59 | 51 | 99 | 82 | 3/4" | 2 1/8" | 71 | 412.5 | 29 | 921 | 1032 |
| FM203-64-AA | 96.7 | 800 | 2 | 3.3 | 5.8 | 30A | 12.56 | 47 | 99 | 82 | 2 x 3/4" | 2 x 1 5/8" | 106 | 618.8 | 36 | 1029 | 1141 |
| FM241-44-AB | 29.2 | 800 | 1 | 3.3 | 5.8 | 30A | 4.75 | 54 | 94 | 77 | 5/8" | 13/8" | 31 | 165 | 10 | 489 | 569 |
| FM241-64-AB | 35.4 | 800 | 1 | 3.3 | 5.8 | 30A | 4.45 | 51 | 94 | 77 | 3/4" | 13/8" | 46 | 247.5 | 12 | 533 | 614 |
| FM242-44-AB | 57.9 | 800 | 1 | 3.3 | 5.8 | 30A | 9.5 | 54 | 97 | 80 | 3/4" | 15/8" | 59 | 330 | 19 | 742 | 838 |
| FM242-64-AB | 71.0 | 800 | 1 | 3.3 | 5.8 | 30A | 8.9 | 51 | 97 | 80 | 3/4" | 15/8" | 87 | 495.1 | 24 | 830 | 925 |
| FM243-44-AB | 88.3 | 800 | 1 | 3.3 | 5.8 | 30A | 14.25 | 54 | 99 | 82 | 3/4" | 2 1/8" | 85 | 495.1 | 29 | 996 | 1107 |
| FM243-64-AB | 106.6 | 800 | 2 | 3.3 | 5.8 | 30A | 13.35 | 51 | 99 | 82 | 2 x 3/4" | 2 x 1 5/8" | 128 | 742.6 | 36 | 1126 | 1237 |
| FM302-44-AC | 73.9 | 900 | 2 | 3.3 | 5.8 | 30A | 12.06 | 55 | 101 | 84 | 2 x 5/8" | 2 x 1 3/8" | 74 | 412.5 | 19 | 849 | 944 |
| FM302-64-AC | 91.70 | 900 | 2 | 3.3 | 5.8 | 30A | 11.65 | 50 | 101 | 84 | 2 x 3/4" | 2 x 1 3/8" | 109 | 618.8 | 29 | 958 | 1054 |
| FM303-44-AC | 111.0 | 900 | 2 | 3.3 | 5.8 | 30A | 18 | 55 | 103 | 86 | 2 x 3/4" | 2 x 1 5/8" | 107 | 618.8 | 29 | 1141 | 1152 |
| FM303-64-AC | 137.8 | 900 | 2 | 3.3 | 5.8 | 30A | 17.47 | 50 | 103 | 86 | 2 x 3/4" | 2 x 1 5/8" | 158 | 928.2 | 43 | 1304 | 1415 |
| FM304-44-AC | 146.5 | 900 | 2 | 3.3 | 5.8 | 30A | 24 | 55 | 104 | 87 | 2 x 3/4" | 2 x 1 5/8" | 140 | 825.1 | 38 | 1433 | 1560 |
| FM304-64-AC | 183.1 | 900 | 2 | 3.3 | 5.8 | 30A | 23.29 | 50 | 104 | 87 | 2 x 3/4" | 2 x 2 1/8" | 208 | 1237.6 | 58 | 1650 | 1776 |
| FM362-64-AD | 117.6 | 900 | 2 | 3.3 | 9.4 | 55A | 15.39 | 52 | 103 | 86 | 2 x 3/4" | 2 x 1 5/8" | 130 | 742.6 | 34 | 1064 | 1160 |
| FM363-84-AD | 132.0 | 900 | 2 | 3.3 | 9.4 | 55A | 15.02 | 49 | 103 | 86 | 2 x 3/4" | 2 x 1 5/8" | 172 | 990.1 | 45 | 1644 | 1755 |
| FM363-64-AD | 176.6 | 900 | 3 | 3.3 | 9.4 | 55A | 23.08 | 52 | 105 | 88 | 3 x 3/4" | 3 x 1 5/8" | 191 | 1113.9 | 50 | 1449 | 1560 |
| FM363-84-AD | 196.6 | 900 | 2 | 3.3 | 9.4 | 55A | 22.53 | 49 | 105 | 88 | 2 x 3/4" | 2 x 2 1/8" | 254 | 1485.2 | 67 | 1644 | 1755 |
| FM364-64-AD | 233.8 | 900 | 3 | 3.3 | 9.4 | 55A | 30.77 | 52 | 106 | 89 | 3 x 3/4" | 3 x 2 1/8" | 252 | 1485.2 | 67 | 1833 | 1960 |
| FM364-84-AD | 265.0 | 900 | 3 | 3.3 | 9.4 | 55A | 30.05 | 49 | 106 | 89 | 3 x 3/4" | 3 x 2 1/8" | 336 | 1980.2 | 90 | 2093 | 2220 |

SELECTION DATA - 6MM SPECIFICATION

| MODEL | CAPACITY | DIA | SECTION | POWER INPUT | FLC PER FAN | SC PER FAN | | | | | CONNECTION | | INTER-NAL VOLUME | SUR-FACE AREA | DE-FROST | WEIGHT | |
|-------------|----------|-----|---------|-------------|-------------|------------|---------------------|-----------|-------------------|----------------------|-----------------|----------------|------------------|---------------|----------|-----------|-------------|
| | | | | | | | AIR VOLUME at 125Pa | AIR THROW | SOUND POWER LEVEL | SOUND PRESSURE LEVEL | INLET | OUTLET | | | | VER-TICAL | HORI-ZONTAL |
| | kw | | | w | Amps | Amps | m ³ /s | m | dB(A) | dB(A) | dm ³ | m ² | kg | kg | kg | | |
| FM201-66-AA | 26.4 | 800 | 1 | 3.3 | 5.8 | 30A | 4.45 | 50 | 94 | 77 | 5/8" | 13/8" | 38 | 140 | 10 | 464 | 545 |
| FM201-86-AA | 29.9 | 800 | 1 | 3.3 | 5.8 | 30A | 4.28 | 48 | 94 | 77 | 5/8" | 13/8" | 50 | 186.8 | 12 | 493 | 574 |
| FM202-66-AA | 52.9 | 800 | 1 | 3.3 | 5.8 | 30A | 8.89 | 50 | 97 | 80 | 3/4" | 13/8" | 72 | 280 | 19 | 711 | 807 |
| FM202-86-AA | 61.2 | 800 | 1 | 3.3 | 5.8 | 30A | 8.55 | 48 | 97 | 80 | 3/4" | 15/8" | 95 | 373.7 | 24 | 767 | 863 |
| FM203-66-AA | 79.4 | 800 | 2 | 3.3 | 5.8 | 30A | 13.34 | 50 | 99 | 82 | 2 x 3/4" | 2 x 13/8" | 106 | 420.1 | 29 | 957 | 1068 |
| FM203-86-AA | 91.5 | 800 | 1 | 3.3 | 5.8 | 30A | 12.83 | 48 | 99 | 82 | 3/4" | 13/8" | 141 | 560.5 | 36 | 1042 | 1153 |
| FM241-66-AB | 29.1 | 800 | 1 | 3.3 | 5.8 | 30A | 4.7 | 54 | 94 | 77 | 5/8" | 13/8" | 46 | 168 | 10 | 504 | 585 |
| FM241-86-AB | 33.4 | 800 | 1 | 3.3 | 5.8 | 30A | 4.5 | 51 | 94 | 77 | 3/4" | 13/8" | 61 | 224.2 | 12 | 539 | 620 |
| FM242-66-AB | 58.5 | 800 | 1 | 3.3 | 5.8 | 30A | 9.4 | 54 | 97 | 80 | 3/4" | 15/8" | 87 | 336.1 | 19 | 772 | 868 |
| FM242-86-AB | 67.2 | 800 | 1 | 3.3 | 5.8 | 30A | 9 | 51 | 97 | 80 | 3/4" | 15/8" | 115 | 448.4 | 24 | 840 | 936 |
| FM243-66-AB | 88.8 | 800 | 2 | 3.3 | 5.8 | 30A | 14.1 | 54 | 99 | 82 | 2 x 3/4" | 2 x 13/8" | 128 | 504.1 | 29 | 1039 | 1150 |
| FM243-86-AB | 100.8 | 800 | 2 | 3.3 | 5.8 | 30A | 13.5 | 51 | 99 | 82 | 2 x 3/4" | 2 x 15/8" | 171 | 672.6 | 36 | 1141 | 1252 |
| FM302-66-AC | 74.2 | 900 | 2 | 3.3 | 5.8 | 30A | 12 | 54 | 101 | 84 | 2 x 3/4" | 2 x 13/8" | 109 | 420.4 | 19 | 885 | 981 |
| FM302-86-AC | 86.1 | 900 | 2 | 3.3 | 5.8 | 30A | 11.65 | 52 | 101 | 84 | 2 x 3/4" | 2 x 13/8" | 144 | 560.5 | 29 | 970 | 1066 |
| FM303-66-AC | 111.6 | 900 | 2 | 3.3 | 5.8 | 30A | 18 | 54 | 103 | 86 | 2 x 3/4" | 2 x 15/8" | 158 | 630.6 | 29 | 1195 | 1307 |
| FM303-86-AC | 129.1 | 900 | 2 | 3.3 | 5.8 | 30A | 17.47 | 52 | 103 | 86 | 2 x 3/4" | 2 x 15/8" | 209 | 840.8 | 43 | 1322 | 1433 |
| FM304-66-AC | 149.6 | 900 | 2 | 3.3 | 5.8 | 30A | 24 | 54 | 104 | 87 | 2 x 3/4" | 2 x 15/8" | 208 | 840.8 | 38 | 1505 | 1632 |
| FM304-86-AC | 172.6 | 900 | 3 | 3.3 | 5.8 | 30A | 23.29 | 52 | 104 | 87 | 3 x 3/4" | 3 x 2 5/8" | 276 | 1121.1 | 58 | 1674 | 1800 |
| FM362-66-AD | 94.3 | 900 | 2 | 3.3 | 9.4 | 55A | 15.78 | 56 | 103 | 86 | 2 x 3/4" | 2 x 15/8" | 130 | 504.5 | 34 | 977 | 1073 |
| FM362-86-AD | 110.8 | 900 | 2 | 3.3 | 9.4 | 55A | 15.3 | 54 | 103 | 86 | 2 x 3/4" | 2 x 15/8" | 172 | 672.6 | 45 | 1079 | 1175 |
| FM363-66-AD | 141.6 | 900 | 2 | 3.3 | 9.4 | 55A | 23.67 | 56 | 105 | 88 | 2 x 3/4" | 2 x 15/8" | 191 | 756.7 | 50 | 1319 | 1430 |
| FM363-86-AD | 165.8 | 900 | 2 | 3.3 | 9.4 | 55A | 23.29 | 54 | 105 | 88 | 2 x 3/4" | 2 x 2 1/8" | 254 | 1009 | 67 | 1471 | 1582 |
| FM364-66-AD | 190.1 | 900 | 3 | 3.3 | 9.4 | 55A | 31.57 | 56 | 106 | 89 | 3 x 3/4" | 3 x 1 5/8" | 252 | 1009 | 67 | 1660 | 1787 |
| FM364-86-AD | 222.0v | 900 | 3 | 3.3 | 9.4 | 55A | 31.03 | 54 | 106 | 89 | 3 x 3/4" | 3 x 1 5/8" | 336 | 1345.3 | 90 | 1862 | 1989 |

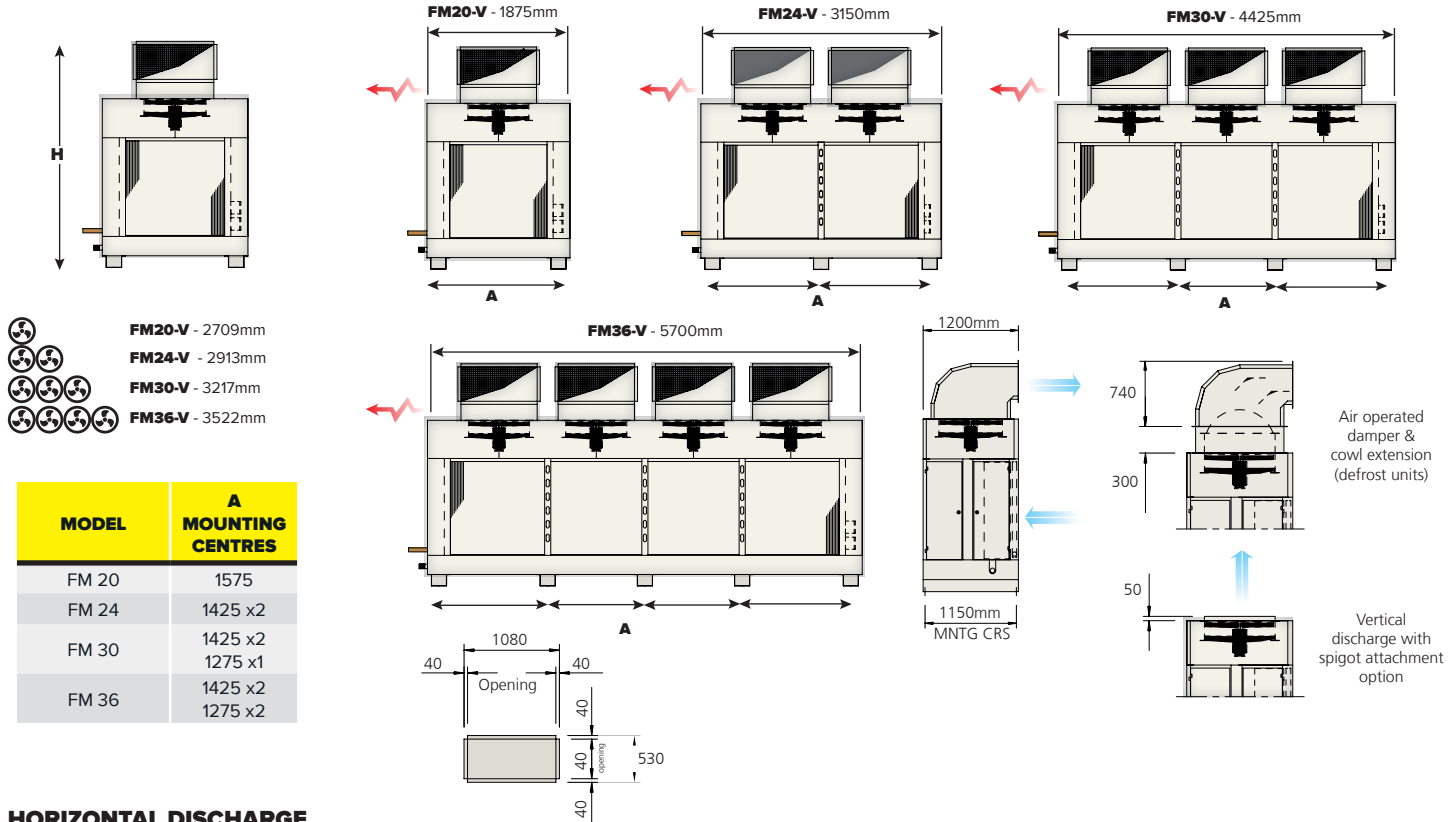
SELECTION DATA - 8MM SPECIFICATION

| MODEL | CAPACITY | DIA | SECTION | POWER INPUT | FLC PER FAN | SC PER FAN | | | | | CONNECTION | | INTER-NAL VOLUME | SUR-FACE AREA | DE-FROST | WEIGHT | |
|-------------|----------|-----|---------|-------------|-------------|------------|---------------------|-----------|-------------------|----------------------|-----------------|----------------|------------------|---------------|----------|-----------|-------------|
| | | | | | | | AIR VOLUME at 125Pa | AIR THROW | SOUND POWER LEVEL | SOUND PRESSURE LEVEL | INLET | OUTLET | | | | VER-TICAL | HORI-ZONTAL |
| | kw | | | w | Amps | Amps | m ³ /s | m | dB(A) | dB(A) | dm ³ | m ² | kg | kg | kg | | |
| FM201-68-AA | 22.1 | 800 | 1 | 3.3 | 5.8 | 30A | 4.63 | 52 | 94 | 77 | 5/8" | 1 1/8" | 38 | 107.1 | 12 | 452 | 533 |
| FM201-88-AA | 25.9 | 800 | 1 | 3.3 | 5.8 | 30A | 4.45 | 50 | 94 | 77 | 5/8" | 1 3/8" | 50 | 142.8 | 14 | 477 | 558 |
| FM202-68-AA | 44.6 | 800 | 1 | 3.3 | 5.8 | 30A | 9.23 | 52 | 97 | 80 | 3/4" | 1 3/8" | 72 | 214.1 | 24 | 687 | 782 |
| FM202-88-AA | 52.3 | 800 | 1 | 3.3 | 5.8 | 30A | 8.89 | 50 | 97 | 80 | 3/4" | 1 5/8" | 95 | 285.5 | 29 | 735 | 831 |
| FM203-68-AA | 66.3 | 800 | 2 | 3.3 | 5.8 | 30A | 13.86 | 52 | 99 | 82 | 2 x 3/4" | 2 x 1 5/8" | 106 | 321.2 | 36 | 921 | 1032 |
| FM203-88-AA | 75.5 | 800 | 1 | 3.3 | 5.8 | 30A | 13.34 | 50 | 99 | 82 | 3/4" | 2 1/8" | 141 | 428.3 | 43 | 993 | 1105 |
| FM241-68-AB | 24.4 | 800 | 1 | 3.3 | 5.8 | 30A | 4.8 | 55 | 94 | 77 | 5/8" | 1 1/8" | 46 | 128.5 | 12 | 490 | 570 |
| FM241-88-AB | 25.7 | 800 | 1 | 3.3 | 5.8 | 30A | 4.67 | 53 | 94 | 77 | 5/8" | 1 3/8" | 61 | 171.3 | 14 | 520 | 600 |
| FM242-68-AB | 48.5 | 800 | 1 | 3.3 | 5.8 | 30A | 9.6 | 55 | 97 | 80 | 3/4" | 1 5/8" | 87 | 257 | 24 | 743 | 839 |
| FM242-88-AB | 57.7 | 800 | 1 | 3.3 | 5.8 | 30A | 9.34 | 53 | 97 | 80 | 3/4" | 1 5/8" | 115 | 342.6 | 29 | 801 | 897 |
| FM243-68-AB | 72.8 | 800 | 1 | 3.3 | 5.8 | 30A | 14.4 | 55 | 99 | 82 | 2 x 3/4" | 2 x 1 3/8" | 128 | 385.4 | 36 | 996 | 1107 |
| FM243-88-AB | 86.6 | 800 | 2 | 3.3 | 5.8 | 30A | 14.01 | 53 | 99 | 82 | 2 x 3/4" | 2 x 1 3/8" | 171 | 513.9 | 43 | 1083 | 1194 |
| FM302-68-AC | 61.6 | 900 | 2 | 3.3 | 5.8 | 30A | 12.21 | 56 | 101 | 84 | 2 x 5/8" | 2 x 1 3/8" | 109 | 321.2 | 29 | 849 | 945 |
| FM302-88-AC | 73.2 | 900 | 2 | 3.3 | 5.8 | 30A | 12 | 54 | 101 | 84 | 2 x 3/4" | 2 x 1 3/8" | 144 | 428.3 | 38 | 922 | 1018 |
| FM303-68-AC | 93 | 900 | 2 | 3.3 | 5.8 | 30A | 18.32 | 56 | 103 | 86 | 2 x 3/4" | 2 x 1 3/8" | 158 | 481.8 | 43 | 1141 | 1252 |
| FM303-88-AC | 110.3 | 900 | 2 | 3.3 | 5.8 | 30A | 18 | 54 | 103 | 86 | 2 x 3/4" | 2 x 1 5/8" | 209 | 642.4 | 58 | 1250 | 1361 |
| FM304-68-AC | 124.1 | 900 | 2 | 3.3 | 5.8 | 30A | 24.42 | 56 | 104 | 87 | 2 x 3/4" | 2 x 1 5/8" | 208 | 642.4 | 58 | 1433 | 1560 |
| FM304-88-AC | 145 | 900 | 2 | 3.3 | 5.8 | 30A | 24 | 54 | 104 | 87 | 2 x 3/4" | 2 x 1 5/8" | 276 | 856.6 | 77 | 1577 | 1704 |
| FM362-68-AD | 77.5 | 900 | 2 | 3.3 | 9.4 | 55A | 15.95 | 58 | 103 | 86 | 2 x 3/4" | 2 x 1 3/8" | 130 | 385.4 | 34 | 934 | 1030 |
| FM362-88-AD | 93.2 | 900 | 2 | 3.3 | 9.4 | 55A | 15.77 | 56 | 103 | 86 | 2 x 3/4" | 2 x 1 5/8" | 172 | 513.9 | 45 | 1021 | 1117 |
| FM363-68-AD | 117.5 | 900 | 2 | 3.3 | 9.4 | 55A | 23.92 | 58 | 105 | 88 | 2 x 3/4" | 2 x 1 5/8" | 191 | 578.2 | 50 | 1254 | 1365 |
| FM363-88-AD | 140.1 | 900 | 2 | 3.3 | 9.4 | 55A | 23.65 | 56 | 105 | 88 | 2 x 3/4" | 2 x 2 5/8" | 254 | 770.9 | 67 | 1384 | 1495 |
| FM364-68-AD | 157 | 900 | 3 | 3.3 | 9.4 | 55A | 31.89 | 58 | 106 | 89 | 3 x 3/4" | 3 x 1 5/8" | 252 | 770.9 | 67 | 1573 | 1700 |
| FM364-88-AD | 186.8 | 900 | 3 | 3.3 | 9.4 | 55A | 31.53 | 56 | 106 | 89 | 3 x 3/4" | 3 x 1 5/8" | 336 | 1027.9 | 90 | 1746 | 1973 |

DIMENSIONS

VERTICAL DISCHARGE

MODEL HEIGHT MODEL WIDTH



HORIZONTAL DISCHARGE

MODEL HEIGHT MODEL WIDTH

