

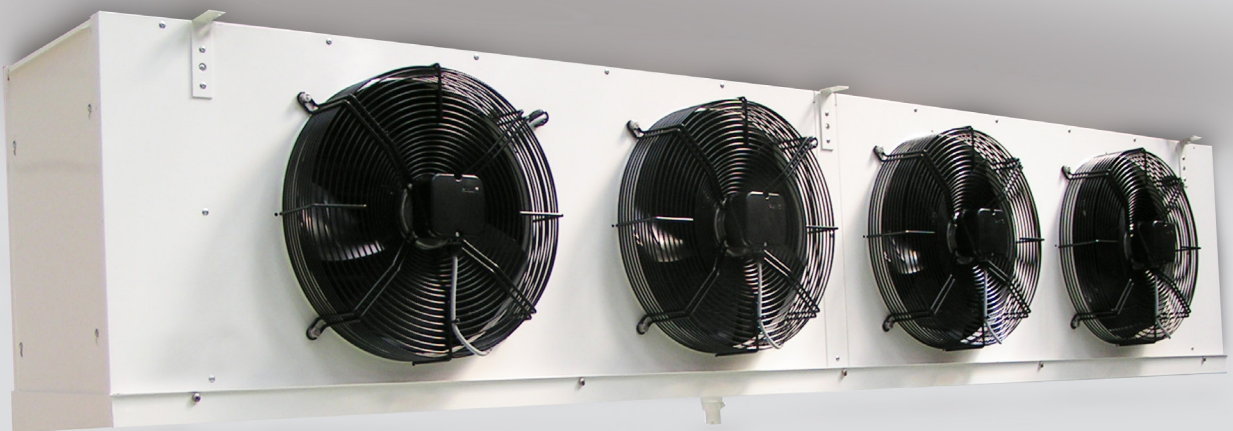
**Kelvion**



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Kelvion KME Commercial air cooler

# **MAKING REFRIGERATION GREENER**



# Kelvion



## EXPERTS IN HEAT EXCHANGE – SINCE 1920

Welcome to Kelvion. Heat exchange is our business. Worldwide. As a market leader in the technology sector, we have been producing heat exchangers for virtually every conceivable industrial application since the 1920s, including tailor-made solutions suited for the most complex environmental conditions – as of 2015 under the name of Kelvion.

With one of the most comprehensive ranges of heat exchangers in the world, which includes compact finned-tube heat exchangers, plate heat exchangers, single tube heat exchangers, shell and tube heat exchangers, transformer cooling systems and wet cooling towers, we are a sought after partner in a wide variety of industries, such as: the energy industry, the oil and gas industry, the chemical industry, the shipbuilding sector, the food and beverage industry, the heavy industry, the sugar industry, the transport sector, as well as building and refrigeration technology.

Many years of experience and in-depth expert knowledge make us specialists in this field.

Our heat exchangers are designed for the requirements of the respective process, thereby ensuring optimum energy efficiency and reliability for all market segments. This provides our customers with a technological advantage that reduces operating costs and has a lasting effect.

A reliable after-sales service is essential with regard to customer loyalty and retention. We have a worldwide service network at our disposal. Our engineers are thereby able to carry out maintenance work and complete repairs on-site at a customer's premises. This prevents unnecessary downtime – because we are highly committed to earning your trust.

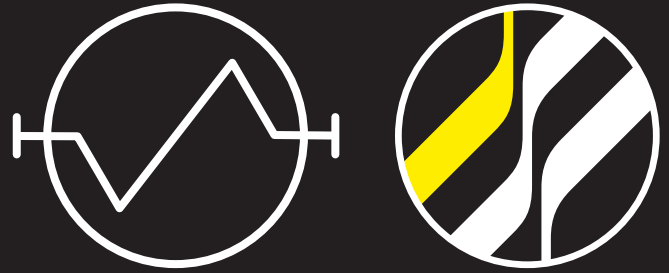
Kelvion – Experts in Heat Exchange.

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

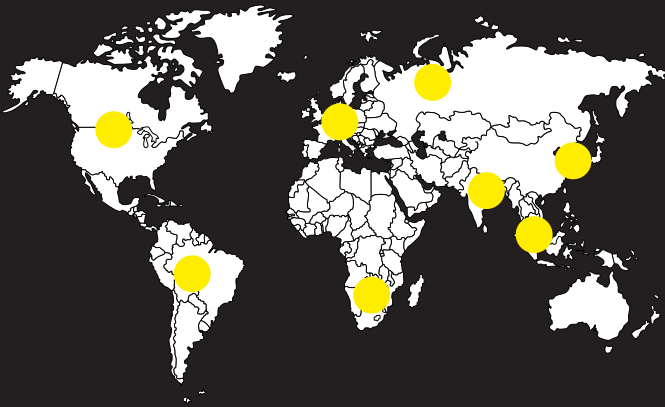


Lord Kelvin formulated the laws of thermodynamics and absolute units of temperature are stated in kelvin, in his honor.

# OUR LOGO – INSPIRED FROM THE SCHEMATIC FOR HEAT EXCHANGER



# 67 BRANCHES AND SALES PARTNERS WORLDWIDE



# 4,500 EMPLOYEES WORLDWIDE



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

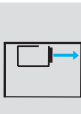

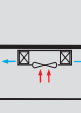


Transportation

# KELVION HAS A LONG HISTORY



# COMMERCIAL AIR COOLER RANGE

MODEL	NO.FANS	CONFIGURATION	EUROVENT	SUPPLY	EC FANS	ELECTRIC DEFROST	HEAVY ELECTRIC DEFROST	HOT GAS A/B/C/D DEFROST	CO2	FIN MATERIAL	CAPACITY
<b>TEC</b> 	1-3		✓	1 ph	✓	✓ kit	X	X	✓	AL, AV	0.5 - 3.4kW (CO <sup>2</sup> ) 0.34- 3.8kW
<b>KEC</b> 	1-3		✓	1 ph	✓	✓	X	✓	✓	AL, AV	1.2 - 10.7kW (CO <sup>2</sup> ) 1 - 9.9kW
<b>KMe</b> 	1-4		✓	1 & 3ph	○	✓	✓	✓	✓	AL, AV	5.8 - 28kW (CO <sup>2</sup> ) 5.9 - 48.1kW
<b>KDC</b> 	1-6		✓	1 ph	✓	✓	X	X	✓	AL, AV	1.4 - 23kW (CO <sup>2</sup> ) 1.7 - 23kW

✓ YES X NO ○ OPTION

## KME SPECIFICATION

**CASEWORK:** The products consist of specially coated white RAL 9010 galvanised steel casework, designed for maximum durability in the harshest environments. Removable side panels help to ensure accessibility during maintenance or installation operations is quick and simple.

The drain tray is also fabricated from galvanised steel, and is shipped separately inside the packing case. We would advise the drain tray is loosely fitted onto the cooler with the fixing screws before lifting the cooler into position from underneath.

**FANS:** The KME users trusted and robust AC and EC fan set options. These have been extensively tested to ensure function and performance is delivered throughout the life cycle of the product.

- Fan diameter: 400mm, 630mm
- 4 Bladed aluminium propeller
- Wire guard in (Black)
- Fan Rotation Clockwise when facing air stream
- Motor Rating IP54
- Optional fan plate heater to prevent fan blade contact with frost build up at low temperatures.
- Axial fan to 65 Pa ESP

**COIL:** All KME units feature the unique 'D' fin, specially developed a using ½ inch diameter tube with an extended 'rifle bore' inner surface. This maximises performance, providing high efficiency heat transfer and a secondary surface for frost deposits, to extend periods between defrosts. Fins can be aluminium, vinyl coated aluminium or copper

- Manufactured from ½" Tube
- Tube Pitch Across Airflow: 43mm
- Tube Pitch In Direction of Airflow: 37.2mm
- Fin Spacing (s): 4mm, 6mm and 8mm
- Light Ripple and Heater Holes

**CO2 OPTION:** Kelvion is constantly working towards product improvements that increase output, efficiency and reliability, while containing or reducing capital and operating costs and the impact on the environment. As a typical example, the introduction of the use of CO<sub>2</sub> and natural hydrocarbons as refrigerants in Kelvion evaporators, is a much greener alternative to synthetic refrigerants. The evaporators are optimised specifically for these refrigerants, giving end users confidence in the getting the right product that delivers the required performance throughout the products life cycle.

# KME AIR COOLER



## APPLICATION & BENEFITS

- ▶ The KME has developed as a green life cycle approach: A worthwhile monetary value at the end of their service life.
- ▶ The popular KME range: Is ideally suited to large cold rooms and small warehouses where an efficient cooling solution is required. The KME can also be used for industrial food processing and agricultural applications.
- ▶ The KME uses trusted and robust AC and EC fan set options: These have been extensively tested to ensure function and performance is delivered throughout the life cycle of the product.
- ▶ Enhanced standard KME range for CO<sub>2</sub> refrigeration applications The introduction of the use of CO<sub>2</sub> and natural hydrocarbons as refrigerants in Kelvion evaporators, is a much greener alternative to synthetic refrigerants. The evaporators are optimised specifically for these refrigerants, giving end users confidence in the getting the right product that delivers the required performance throughout the products life cycle.
- ▶ 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 5.7 kW - 63.6 kW**

$t_{L1}=0^{\circ}\text{C} \mid t_{0}=-8^{\circ}\text{C} \mid \text{DT}=8\text{K} \mid \text{[SC2]} \mid \text{R404A}$



**5.9 kW - 49.9 kW**

$t_{L1}=0^{\circ}\text{C} \mid t_{0}=8^{\circ}\text{C} \mid \text{DT}=8\text{K} \mid \text{[SC2]}$



## HEAT EXCHANGE

- ▶ Fin Type: D
- ▶ Tube Diameter: [mm]  
12.7
- ▶ Standard Fin spacing: [mm]  
4 | 6 | 8
- ▶ Fin Enhancements: Light Ripple

## VARIANTS & ACCESSORIES

- ▶ Fan sets
- ▶ Air streamer
- ▶ Forkguard
- ▶ Optional Peripheral fans
- ▶ Fanplate heater
- ▶ Model options: KME, KME-LP, KME-MP, KME-LX, KME-MX, KME-HX

## DEFROST

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

## FAN

▶ AC Standard		▶ Ø 400 mm
▶ Ax Axial		▶ Ø 630 mm
▶ EC		▶ IP54
		▶ 1 & 3 phase

## MATERIALS

MATERIAL	TUBE	FINS	CASING	END PLATE
Copper (Cu)	<input checked="" type="checkbox"/>	✓		
Aluminium (Al)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Aluminium Epoxy (Av)		✓		
Galvanised Steel			<input checked="" type="checkbox"/>	

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 <sup>3</sup> )	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	KME	LX	140	-	6	L	-	AL	-	3PH	-	EC
-------------	-----	----	-----	---	---	---	---	----	---	-----	---	----

Range:	<b>KME</b> , KME-LP, KME-MP, _____ KME-LX, KME-MX, KME-HX											
(Type for CO <sub>2</sub> )	X = direct expansion, <b>L</b> = 57 bar, M = 80 bar, _____ H = 90 bar											
Model	50, 60, 80, 95, 115, <b>140</b> , 175, _____ 232, 282, 352, 353											
Fin Spacing	4mm, <b>6mm</b> , 8mm											
Defrost	No defrost, <b>L</b> = Standard Electric defrost, _____ HGD = Hot Gas Coil & tray, HGE = Hot Gas Coil & Electric tray. Each gas defrost option is followed with either an A/ B / C /D, to designate the circuiting option.											
Fin Material	<b>AL</b> = Aluminium											
Electric supply	Blank = 1PH, <b>3PH</b>											
Fan set option	Blank = Standard 400mm fanset, Ax = Axial, <b>EC</b> = EC fan set											

## SELECTION DATA

FIN SPACING	MODEL	CAPACITY 8K DT1 R404A *	MOTOR DETAILS						FAN DATA		CONNECTION		INTERNAL VOLUME dm <sup>3</sup>	SURFACE AREA m <sup>2</sup>	REF CHARGE kg	WEIGHT kg
			DIA	NO. OF FANS	POWER INPUT	SPEED	AIR VOL	AIR THROW STD ***	AIR STREAMER ***	NOISE LEVEL @ 3M **	INLET	OUTLET				
		W			RPM	m <sup>3</sup> /s	m	m	dB(A)							
4mm	KME50-4	7.36	400	1	200	1410	0.89	17	26	60	1/2"	11/8"	6.7	37.8	2.1	85
	KME60-4	8.71	400	1	200	1410	0.96	19	29	60	5/8"	11/8"	9.5	56	2.9	112
	KME80-4	12.10	400	2	400	1410	1.89	19	29	63	5/8"	11/8"	8.4	50.4	2.6	129
	KME95-4	14.84	400	2	400	1410	1.78	17	26	63	5/8"	11/8"	12.5	75.6	3.9	139
	KME115-4	18.40	400	3	600	1410	2.83	19	29	65	7/8"	13/8"	12.2	75.6	3.8	170
	KME140-4	22.31	400	3	600	1410	2.68	17	26	65	7/8"	13/8"	18.4	113.3	5.6	195
	KME175-4	27.95	400	4	800	1410	3.45	17	26	66	7/8"	13/8"	21.6	134.3	6.6	217
	KME232-4	39.87	630	2	----	890	5.40	19	N/A	61	3/4"	15/8"	25.6	151	8.0	312
	KME282-4	47.61	630	2	----	890	5.20	18	N/A	61	3/4"	15/8"	37.8	227	11.8	346
	KME352-4	60.96	630	2	----	1330	6.80	24	N/A	71	2x 3/4"	2x 15/8"	45.2	269	14.1	365
KME353-4	63.57	630	3	----	890	7.20	17	N/A	61	2x 3/4"	2x 3/8"	45.2	269	14.1	406	
6mm	KME50-6	6.20	400	1	200	1410	0.98	18	27	60	1/2"	11/8"	6.7	25.8	2.1	83
	KME60-6	7.45	400	1	200	1410	1.01	20	31	60	5/8"	11/8"	9.5	38.3	2.9	109
	KME80-6	9.74	400	2	400	1410	2.00	20	31	63	5/8"	11/8"	8.4	34.4	2.6	127
	KME95-6	12.51	400	2	400	1410	1.95	18	27	63	5/8"	11/8"	12.5	51.7	3.9	135
	KME115-6	14.61	400	3	600	1410	3.00	20	31	65	7/8"	13/8"	12.2	51.7	3.8	167
	KME140-6	18.75	400	3	600	1410	2.93	18	27	65	7/8"	13/8"	18.4	77.5	5.6	191
	KME175-6	23.92	400	4	800	1410	3.86	19	27	66	7/8"	13/8"	21.6	91.9	6.6	214
	KME232-6	30.82	630	2	----	890	5.80	20	N/A	61	3/4"	13/8"	25.6	151	8.0	296
	KME282-6	40.34	630	2	----	890	5.60	19	N/A	61	3/4"	15/8"	37.8	227	11.8	323
	KME352-6	50.48	630	2	----	1330	7.30	25	N/A	71	3/4"	15/8"	45.2	269	14.1	338
KME353-6	54.15	630	3	----	890	8.20	19	N/A	61	3/4"	15/8"	45.2	269	14.1	379	
8mm	KME50-8	5.70	400	1	200	1410	1.02	19	29	60	1/2"	11/8"	6.7	19.9	2.1	84
	KME60-8	6.81	400	1	200	1410	1.03	22	34	60	5/8"	11/8"	9.5	29.4	2.9	110
	KME80-8	8.58	400	2	400	1410	2.05	22	34	63	5/8"	11/8"	8.4	26.5	2.6	127
	KME95-8	11.47	400	2	400	1410	2.04	19	29	63	5/8"	11/8"	12.5	39.7	3.9	136
	KME115-8	13.0	400	3	600	1410	3.07	22	34	65	7/8"	13/8"	12.2	39.7	3.8	167
	KME140-8	17.4	400	3	600	1410	3.06	19	29	65	7/8"	13/8"	18.4	59.6	5.6	190
	KME175-8	22.0	400	4	800	1410	4.06	19	29	66	7/8"	13/8"	21.6	70.6	6.6	212
	KME232-8	26.08	630	2	----	890	6.06	21	N/A	61	3/4"	11/8"	25.6	151	8.0	289
	KME282-8	34.59	630	2	----	890	5.98	21	N/A	61	3/4"	11/8"	37.8	227	11.8	313
	KME352-8	41.30	630	2	----	1330	7.42	26	N/A	71	3/4"	13/8"	45.2	269	14.1	326
KME353-8	46.84	630	3	----	890	8.80	21	N/A	61	3/4"	11/8"	45.2	269	14.1	367	

**NOTES:** Rating conditions: The duties shown in this brochure are at EN 328 Standard Condition 2 (-8°C saturated suction temperature, 0°C air entering). For data on refrigerants not shown, please contact your supplier.

- \* DT1 is the difference between the entering air temperature and the saturated suction temperature at the outlet of the cooler.
- \*\* Noise levels are based on free field conditions at a distance of 3m. Actual noise levels will depend upon cold store construction, store loading and the number of coolers installed.
- \*\*\* Terminal air velocity 0.25m/s, free air conditions at 10°C. Air throw cannot be considered an absolute value because many factors have a substantial effect on the distance achieved.

## CO2 KME DIRECT EXPANSION

LX (57BAR), MX (80 BAR), HX (90 BAR)

FIN SPACING	MODEL	CAPACITY 8K DT1 R404A *	MOTOR DETAILS						FAN DATA		CONNECTION		INTERNAL VOLUME dm <sup>3</sup>	SURFACE AREA m <sup>2</sup>	REF CHARGE kg	WEIGHT kg
			DIA	NO. OF FANS	POWER INPUT W	SPEED RPM	AIR VOL m <sup>3</sup> /s	AIR THROW STD *** m	AIR STREAMER *** m	NOISE LEVEL @ 3M ** dB(A)	INLET	OUTLET				
4mm	KME-*X50-4-1PH	7.30	400	1	200	1410	0.89	17	26	60	1/2"	5/8"	6.7	37.8	3.0	94
	KME-*X60-4-1PH	9.10	400	1	200	1410	0.96	19	29	60	1/2"	5/8"	9.5	56	4.3	125
	KME-*X80-4-1PH	11.70	400	2	400	1410	1.89	19	29	63	1/2"	5/8"	8.4	50.4	3.9	140
	KME-*X95-4-1PH	14.90	400	2	400	1410	1.78	17	26	63	1/2"	5/8"	12.5	75.6	5.6	156
	KME-*X115-4-1PH	18.50	400	3	600	1410	2.83	19	29	65	1/2"	7/8"	12.2	75.6	5.2	187
	KME-*X140-4-1PH	22.90	400	3	600	1410	2.68	17	26	65	1/2"	7/8"	18.4	113.3	7.7	221
	KME-*X175-4-1PH	27.90	400	4	800	1410	3.45	17	26	66	1/2"	7/8"	21.6	134.3	9.5	248
	KME-*X232-4-3PH	31.29	630	2	1200	890	5.4	19	N/A	61	5/8"	1 1/8"	25.6	151	11.5	312
	KME-*X282-4-3PH	38.96	630	2	1200	890	5.2	18	N/A	61	5/8"	1 1/8"	37.8	227	16.9	346
	KME-*X352-4-3PH	48.11	630	2	2500	1330	6.8	24	N/A	71	5/8"	1 1/8"	45.2	269	20.2	365
KME-*X353-4-3PH	49.94	630	3	1200	890	7.2	17	N/A	61	5/8"	1 1/8"	45.2	269	20.2	406	
6mm	KME-*X50-6-1PH	6.60	400	1	200	1410	0.98	18	27	60	1/2"	5/8"	6.7	25.8	3.0	92
	KME-*X60-6-1PH	7.60	400	1	200	1410	1.01	20	31	60	1/2"	5/8"	9.5	38.3	4.3	122
	KME-*X80-6-1PH	9.90	400	2	400	1410	2.00	20	31	63	1/2"	5/8"	8.4	34.4	3.9	138
	KME-*X95-6-1PH	13.40	400	2	400	1410	1.95	18	27	63	1/2"	5/8"	12.5	51.7	5.6	152
	KME-*X115-6-1PH	15.60	400	3	600	1410	3.00	20	31	65	1/2"	7/8"	12.2	51.7	5.2	184
	KME-*X140-6-1PH	19.00	400	3	600	1410	2.93	18	27	65	1/2"	7/8"	18.4	77.5	7.7	217
	KME-*X175-6-1PH	25.60	400	4	800	1410	3.86	19	27	66	1/2"	7/8"	21.6	91.9	9.5	245
	KME-*X232-6-3PH	26.46	630	2	1200	890	5.80	20	N/A	61	5/8"	7/8"	25.6	151	11.5	296
	KME-*X282-6-3PH	32.04	630	2	1200	890	5.60	19	N/A	61	5/8"	7/8"	37.8	227	16.9	323
	KME-*X352-6-3PH	42.70	630	2	2500	1330	7.30	25	N/A	71	5/8"	1 1/8"	45.2	269	20.2	338
KME-*X353-6-3PH	46.42	630	3	1200	890	8.20	19	N/A	61	5/8"	1 1/8"	45.2	269	20.2	379	
8mm	KMe-*X50-8-1PH	5.90	400	1	200	1410	1.02	19	29	60	1/2"	5/8"	6.7	19.9	3.0	93
	KMe-*X60-8-1PH	6.90	400	1	200	1410	1.03	22	34	60	1/2"	5/8"	9.5	29.4	4.3	123
	KMe-*X80-8-1PH	8.90	400	2	400	1410	2.05	22	34	63	1/2"	5/8"	8.4	26.5	3.9	138
	KMe-*X95-8-1PH	11.80	400	2	400	1410	2.04	19	29	63	1/2"	5/8"	12.5	39.7	5.6	153
	KMe-*X115-8-1PH	13.40	400	3	600	1410	3.07	22	34	65	1/2"	7/8"	12.2	39.7	5.2	183
	KMe-*X140-8-1PH	17.60	400	3	600	1410	3.06	19	29	65	1/2"	7/8"	18.4	59.6	7.7	216
	KMe-*X175-8-1PH	23.00	400	4	800	1410	4.06	19	29	66	1/2"	7/8"	21.6	70.6	9.5	243
	KMe-*X232-8-3PH	22.94	630	2	1200	890	6.10	21	N/A	61	5/8"	7/8"	25.6	151	11.5	289
	KMe-*X282-8-3PH	29.98	630	2	1200	890	6.00	21	N/A	61	5/8"	7/8"	37.8	227	16.9	313
	KMe-*X352-8-3PH	37.16	630	2	2500	1330	7.40	26	N/A	71	5/8"	1 1/8"	45.2	269	20.2	236
KMe-*X353-8-3PH	42.58	630	3	1200	890	8.80	21	N/A	61	5/8"	1 1/8"	45.2	269	20.2	367	

**NOTES:** Rating conditions: The duties shown in this brochure are at EN 328 Standard Condition 2 (-8°C saturated suction temperature, 0°C air entering). For data on refrigerants not shown, please contact your supplier.

- \* DT1 is the difference between the entering air temperature and the saturated suction temperature at the outlet of the cooler.
- \*\* Noise levels are based on free field conditions at a distance of 3m. Actual noise levels will depend upon cold store construction, store loading and the number of coolers installed.
- \*\*\* Terminal air velocity 0.25m/s, free air conditions at 10°C. Air throw cannot be considered an absolute value because many factors have a substantial effect on the distance achieved.



## CO2 KME PUMPED

LP (57 BAR), MP (80 BAR)

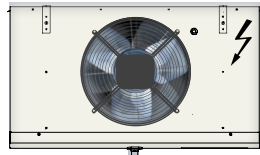
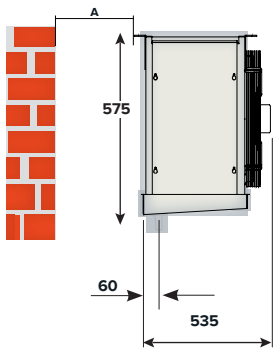
FIN SPACING	MODEL	CAPACITY 8K DT1 R404A *	MOTOR DETAILS						FAN DATA		CONNECTION		INTERNAL VOLUME	SURFACE AREA	REF CHARGE	WEIGHT
			DIA	NO. OF FANS	POWER INPUT	SPEED	AIR VOL	AIR THROW STD ***	AIR STREAMER ***	NOISE LEVEL @ 3M **	INLET	OUTLET				
					W	RPM	m³/s	m	m	dB(A)						
kw	dm³	m²	kg	kg												
4mm	KME-*P50-4-1PH	8.61	400	1	200	1410	0.89	17	26	60	5/8"	7/8"	6.7	37.8	4.3	94
	KME-*P60-4-1PH	10.74	400	1	200	1410	0.96	19	29	60	5/8"	7/8"	9.5	56	6.2	125
	KME-*P80-4-1PH	13.81	400	2	400	1410	1.89	19	29	63	5/8"	7/8"	8.4	50.4	5.6	140
	KME-*P95-4-1PH	17.58	400	2	400	1410	1.78	17	26	63	5/8"	7/8"	12.5	75.6	8.0	156
	KME-*P115-4-1PH	21.83	400	3	600	1410	2.83	19	29	65	5/8"	1-1/8"	12.2	75.6	7.4	187
	KME-*P140-4-1PH	27.02	400	3	600	1410	2.68	17	26	65	5/8"	1-1/8"	18.4	113.3	11.1	221
	KME-*P175-4-1PH	32.92	400	4	800	1410	3.45	17	26	66	5/8"	1-1/8"	21.6	134.3	13.6	248
	KME-*P232-4-3PH	36.92	630	2	1200	890	5.4	19	N/A	61	7/8"	1-3/8"	25.6	151	16.5	312
	KME-*P282-4-3PH	45.97	630	2	1200	890	5.2	18	N/A	61	7/8"	1-3/8"	37.8	227	24.4	346
	KME-*P352-4-3PH	56.77	630	2	2500	1330	6.8	24	N/A	71	7/8"	1-3/8"	45.2	269	29.1	365
KME-*X353-4-3PH	58.93	630	3	1200	890	7.2	17	N/A	61	7/8"	1-3/8"	45.2	269	29.1	406	
6mm	KME-*P50-6-1PH	7.79	400	1	200	1410	0.98	18	27	60	5/8"	7/8"	6.7	25.8	4.3	92
	KME-*P60-6-1PH	8.97	400	1	200	1410	1.01	20	31	60	5/8"	7/8"	9.5	38.3	6.2	122
	KME-*P80-6-1PH	11.68	400	2	400	1410	2.00	20	31	63	5/8"	7/8"	8.4	34.4	5.6	138
	KME-*P95-6-1PH	15.81	400	2	400	1410	1.95	18	27	63	5/8"	7/8"	12.5	51.7	8.0	152
	KME-*P115-6-1PH	18.41	400	3	600	1410	3.00	20	31	65	5/8"	1-1/8"	12.2	51.7	7.4	184
	KME-*P140-6-1PH	22.42	400	3	600	1410	2.93	18	27	65	5/8"	1-1/8"	18.4	77.5	11.1	217
	KME-*P175-6-1PH	30.21	400	4	800	1410	3.86	19	27	66	5/8"	1-1/8"	21.6	91.9	13.6	245
	KME-*P232-6-3PH	31.22	630	2	1200	890	5.80	20	N/A	61	7/8"	1-3/8"	25.6	151	16.5	296
	KME-*P282-6-3PH	37.81	630	2	1200	890	5.60	19	N/A	61	7/8"	1-3/8"	37.8	227	24.4	323
	KME-*P352-6-3PH	50.39	630	2	2500	1330	7.30	25	N/A	71	7/8"	1-3/8"	45.2	269	29.1	338
KME-*X353-6-3PH	54.78	630	3	1200	890	8.20	19	N/A	61	7/8"	1-3/8"	45.2	269	29.1	379	
8mm	KMe-*X50-8-1PH	6.96	400	1	200	1410	1.02	19	29	60	5/8"	7/8"	6.7	19.9	4.3	93
	KMe-*X60-8-1PH	8.14	400	1	200	1410	1.03	22	34	60	5/8"	7/8"	9.5	29.4	6.2	123
	KMe-*X80-8-1PH	10.50	400	2	400	1410	2.05	22	34	63	5/8"	7/8"	8.4	26.5	5.6	138
	KMe-*X95-8-1PH	13.92	400	2	400	1410	2.04	19	29	63	5/8"	7/8"	12.5	39.7	8.0	153
	KMe-*X115-8-1PH	15.81	400	3	600	1410	3.07	22	34	65	5/8"	1-1/8"	12.2	39.7	7.4	183
	KMe-*X140-8-1PH	20.77	400	3	600	1410	3.06	19	29	65	5/8"	1-1/8"	18.4	59.6	11.1	216
	KMe-*X175-8-1PH	27.14	400	4	800	1410	4.06	19	29	66	5/8"	1-1/8"	21.6	70.6	13.6	243
	KMe-*X232-8-3PH	27.07	630	2	1200	890	6.10	21	N/A	61	7/8"	1-3/8"	25.6	151	16.5	289
	KMe-*X282-8-3PH	35.38	630	2	1200	890	6.00	21	N/A	61	7/8"	1-3/8"	37.8	227	24.4	313
	KMe-*X352-8-3PH	43.85	630	2	2500	1330	7.40	26	N/A	71	7/8"	1-3/8"	45.2	269	29.1	236
KMe-*X353-8-3PH	50.24	630	3	1200	890	8.80	21	N/A	61	7/8"	1-3/8"	45.2	269	29.1	367	

## KME ELECTRIC DEFROST OPTIONS & FAN CURRENTS

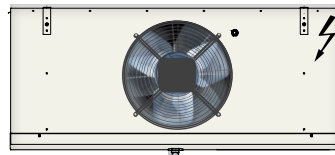
MODEL	ELECTRIC DEFROST					FAN SET CURRENTS			
	400V - 3ph					230V - 1Ph		400V 3ph	
	STANDARD			HEAVY DUTY		1 Ph			
	COIL	PAN	TOTAL	COIL	TOTAL	FLC per fan	SC per fan	FLC per fan	SC per fan
kw	kw	kw	kw	kw	Amps	Amps	Amps	Amps	
KME50-*	1.59	0.79	2.38	2.65	3.34	1.05	4.5	0.65	2.60
KME60-*	2.40	1.20	3.60	4.00	5.20	1.05	4.5	0.65	2.60
KME80-*	3.24	1.59	4.83	5.40	6.99	1.05	4.5	0.65	2.60
KME95-*	3.24	1.59	4.83	5.40	6.99	1.05	4.5	0.65	2.60
KME115-*	4.80	2.40	7.20	8.00	10.40	1.05	4.5	0.65	2.60
KME140-*	4.80	2.40	7.20	8.00	10.40	1.05	4.5	0.65	2.60
KME175-*	5.64	2.82	8.46	9.40	12.22	1.05	4.5	0.65	2.60
KME232-*	9.60	4.80	14.40	16.00	20.80	N/A	N/A	1.2	4.0
KME282-*	9.60	4.80	14.40	16.00	20.80	N/A	N/A	1.2	4.0
KME352-*	11.28	5.64	16.92	18.80	24.44	N/A	N/A	2.6	10.0
KME353-*	11.28	5.64	16.92	18.80	24.44	N/A	N/A	1.2	4.0

## DIMENSIONS

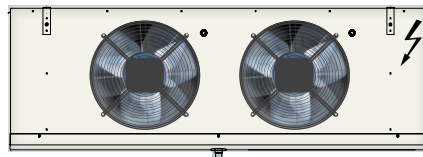
### CEILING MOUNT OPERATION



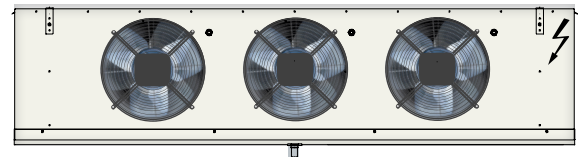
KME 50 - 1007mm



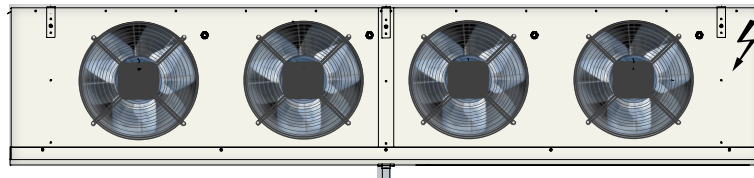
KME 60 - 1332mm



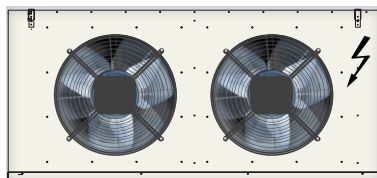
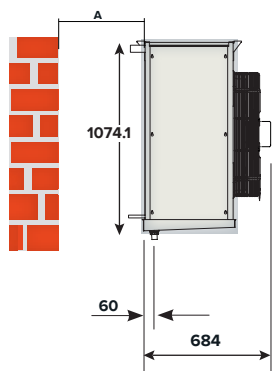
KME 80 & 95 - 1682mm



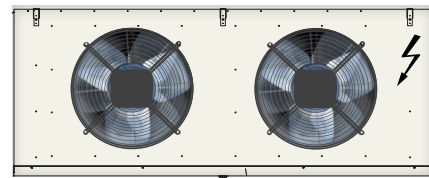
KME 115 & 140 - 2357mm



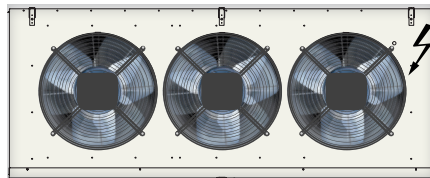
KME 175 - 2732mm



KME 232 & 282 - 2357mm

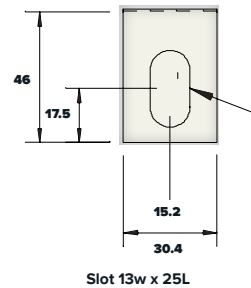


KME 232 & 282 - 2357mm



KME 353 - 2732mm

#### MOUNTING BRACKETS FOR ALL KME



MODEL	A
KM*50	350
KM*60	350
KM*80	400
KM*95	450
KM*115	500
KM*140	500
KM*175	500
KM*232	650
KM*282	650
KM*352	850
KM*353	850

**NOTE:** All dimensions in mm, Heater removal all models **1200mm** either end of unit (KME50 805mm only)