



GEA Searle ME Condenser
Top-level engineering solutions

Products and Services

Combined expertise and excellence in heat transfer

GEA Searle is one of the longest established and principal manufacturers of heat exchange products for the refrigeration and air conditioning industry in Europe. Established in 1921, GEA Searle boasts a comprehensive range of Condensers, Dry coolers, Unit coolers and Condensing units. GEA Searle products are utilised across many industries. Applications include supermarket cabinets and cold rooms, large scale food freezing plants, food storage and distribution centres, beer cellars, industrial process cooling, combined heat and power installations and air-conditioning equipment for hospitals, offices, schools and museums. In order to guarantee the continued excellence of our products in terms of innovation, design and performance, GEA Searle has invested in one of the most comprehensive Research & Development facilities in the European refrigeration industry. GEA Searle also undertakes special projects on behalf of other manufacturers, customers and end-users.



Support, Replacement Parts & Spares

Trained staff will advise you through every step of the selection process, our customer service continues past the product delivery, and we are always on hand to advise on any issues.

GEA Searle can supply spare or replacement parts for any of our existing product ranges. Many parts are available for discontinued ranges. Please contact your local distributor for support.

Air Coolers

With the increasing importance of energy efficiency, the new GEA Searle coolers utilise fansets which offer significant energy savings over traditional motor assemblies. The KEC & TEC coolers have high efficiency EC fans as standard across the range. All our commercial unit coolers have white powder coated galvanised steel casing (JG and NS are aluminum) and are available in high or low temperature versions, with CO₂ and glycol circuiting options. Many of the models in the commercial unit cooler ranges are available ex-stock from your local distributor, with backup stocks held at the UK manufacturing plant centre.



Air Cooled Condensers

Our range has literally 1000s of models, created through a modular design and variety of fan sizes, offering a greater choice to match your requirements. Our condensers can meet even the most stringent noise restrictions using the latest 6, 8 & 12 pole fansets. In addition, we offer EC technology across the standard range, which offers variable speed control and high efficiency. Due to rising energy costs, efficiency is becoming a key factor within the industry and is increasingly important on end-user criteria. Our new units use the latest technology to ensure greater energy efficiency. GEA Searle has extensive experience in the design of controls either using the GEA Searle controller or 'industry standard' controllers such as Millennium 2 or RDM.

Dry Air Coolers

The range has literally 1000s of models, created through a modular design and variety of fan sizes, offering a greater range of solutions to match your requirements. Our Dry Coolers can meet even the most stringent noise restrictions using the latest 6, 8, & 12 pole fansets. In addition, we offer EC technology across the standard range, which offers full variable speed control.



Condensing Units

GEA Searle Condensing Units are supplied as standard to a high specification with a complete control package, incorporating: Mains Isolator, Compressor Motor Starter/Overloads or MCB's for single phase models, Fan speed control & anti-cycle timer, Compressor Contactors, Fitted pressure relief valve (PRV), Compressor Crankcase Heaters GEA Searle units range from the NSQ using scroll compressors to the NDQ using the latest digital scroll compressors. There are twin compressor variants of the NSQ and NDQ.





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Product Selection Software

This section contains screenshots of selected features of the latest version of the GEA Searle Product Selection software also available for GEA Ergé-Spirale, GEA Küba and GEA Polska products. This release retains the familiar interface which our customers tell us they like, but adds a number of new features requested by customers. The new introductory screen places Searle within the context of our new parent group, GEA.

The main screen incorporates the traditional layout and appearance of the existing program, but now includes all product types within one program. The customer can select the type of product by clicking an icon or selecting from a drop-down list; which ever they find most convenient. The box to the left of the Select button allows the customer to enter a filter (for example MM are models considered).

The product specification of one or more models is presented in the traditional way. Although not visible on this screenshot, the specification screen allows the customer to select optional extras (by ticking checkboxes at the bottom of the specification). The net price of the unit (including extras and taking into account customer discounts) is immediately calculated and displayed. A new feature of this version is that the specification can be presented as a PDF file.

The appearance of the specification document can be enhanced to include company logos, contact information and anything else required to create a professional proposal document. The specification document can include one or more specification pages and the relevant drawings.

Note: Also in the screenshot that bookmarks in the PDF file allow quick navigation to the relevant part of a large specification document.

Website

Keep up to date with our products and latest news by visiting the website, www.searle.co.uk

Quality and Performance

Eurovent Certification

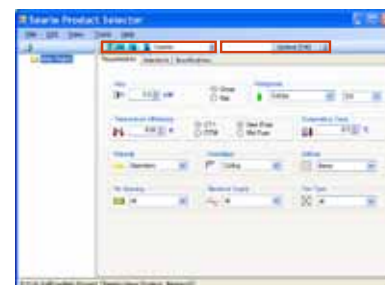
Quality Assured

CE Marking

Specification of selection models



Introductory Screen



Main Screen





For full selection data either refer to the Selection data tables or use the Searle selection software, either online or via your local GEA Searle representative.





Air Cooled Condensers engineering for a better world

GEA Searle new range of condensers means you've more choice than ever before, comprising of both flat-bed and V-bank units, arranged in single and double bank configurations, with multiple module lengths. The wide range is suitable for most refrigeration and air conditioning condenser applications. Range benefits: Meeting your specification, Assured performance, Designed to be quiet and energy efficient.

Due to the large number of models available only a summary of capacity figures is given in this brochure. For complete capacity information, please refer to our Selection Software program or selection data tables. The capacity, power input, air volume and sound are Eurovent Certified. Alternatively a fully interactive version of selection software is available online at www.searle.co.uk, where it is possible to view all brochures and Installation & Maintenance manuals.

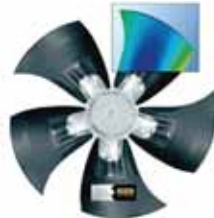
Air Cooled Condensers general features

engineering for a better world



Control Options

There are various optional GEA Searle control packages available, including variable speed controlled products using GEA Searle inverter control or the latest EC fan control systems. The control options include: EC speed control Inverter speed control, Triac speed control, Dual speed step control, Single speed step control. If a speed control method is utilised, GEA Searle recommends adding the option of internal motor protection.



Other Options

GEA Searle offers a wide range of accessories and additional options, including: anti-vibration mounts and leg extensions - to enhance air flow in difficult locations and Adiabatic cooling System (Please see GEA Searle's Adiabatic Section for further details or contact your GEA Searle representative)

Dewpoint

The capacities shown in this brochure are rated at dew point. This is the pressure/temperature condition at which a refrigerant gas begins to condense on the surface. As some refrigerants have significant glide (e.g. R407A/ 407C), the saturated gas and saturated liquid temperatures are not necessarily the same. It is important to ensure that all the components of a system are selected using the same rating method whilst the use of mid-point does make selection easier, it is difficult to measure on site. At the catalogue rating point of 15K DT1, mid point capacities would be approximately 9% higher for R407C than the equivalent dew point figures shown in the tables.

Units maybe specified as horizontal (standard) or vertical orientation. Sub-Cooling is achieved by the use of an integrated sub-cooling section which utilises approximately 10% of the coil surface. This provides up to 7K of sub-cooling at the standard rating condition of 15K DT1. Operating below 15K DT1, the amount of sub-cooling is reduced. The total heat of rejection capacity, inclusive of sub-cooling, will be reduced by 5%.

Blygold® Coating

GEA Searle specialist coating facility, where a Blygold® coating is applied and cured to protect the finned coils against harsh environmental conditions such as erosion by sand or salt. It provides a barrier and avoids the risk of electrolytic reactions between the two metals involved. The coating contains aluminium, in order to maintain the thermal performance of the coil, resulting in an extension of the lifetime, maximum cooling capacity and reduction of energy costs. The coating is oriented in such a way that it creates a very high chemical resistance at low layer thickness.

Energy Labelling

Energy Labelling is now part of the Eurovent Certify-All scheme. Rating is based on the ratio of nominal duty to power input with banding as in the table below. Where R= Nominal Capacity Total fan power input

A	Extremely low	$R > 110$
B	Very low	$70 < R < 110$
C	Low	$5 < R < 70$
D	Medium	$30 < R < 45$
E	High	< 30

Noise Data

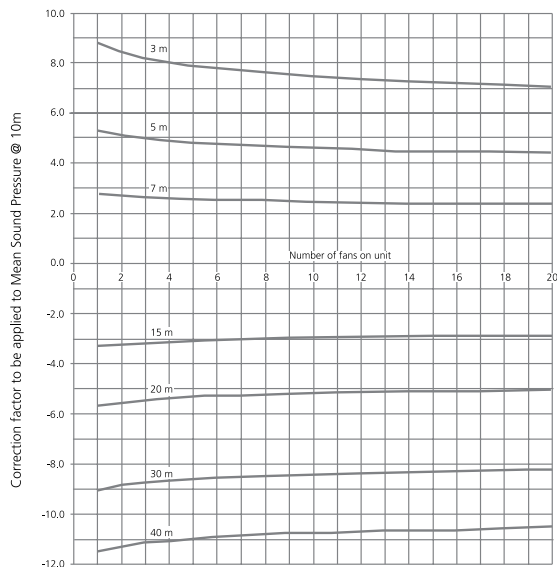
The mean unit sound pressure data at 10m is given for each model in the catalogue and is certified as part of the Eurovent scheme. Sound power testing and sound pressure calculation are carried out in accordance with EN13487. Mean sound pressure levels are for a parallel piped surface surrounding the unit on a reflective plane. Power levels and sound spectrum are available on request.



	DT1					
	8K	10K	12K	15K	17K	20K
R507A, R404A	0.53	0.67	0.80	1.00	1.13	1.33
R134a	0.49	0.62	0.74	0.93	1.05	1.24

Sound Pressure Correction for Distance

The chart gives correction factors for use with mean sound pressure values for a distance of 10 m, For example, for a 4 fan unit with the catalogue level of 62 dBA the correction factor for 3m is 8.0. Therefore the mean sound pressure level at 3 m for this unit is 70 dBA. The correction values are averages for all models so the tolerance for noise levels calculated with them is ± 3 dBA. Results should be rounded to the nearest 1 dBA.



Formula for calculating noise data at a specific distance

$$\text{Sound power level} - \text{Sound power correction} + \text{Correction factor for multiple fans}$$

Air Cooled Condensers

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Range benefits

■ Meeting your specification -

Our range has literally 1000s of models, created through a modular design and a variety of fan sizes, offering a greater choice to match your requirements.

■ Assured performance -

All our catalogued Air Cooled Condensers are certified, under the Eurovent "Certify All" programme to guarantee that every unit will perform as specified.

■ Designed to be quiet -

Our condensers can meet even the most stringent noise restrictions using the latest 4, 6, 8 & 12 pole fansets. In addition, we offer EC technology across the standard range which offers variable speed control and high efficiency.

■ Energy efficiency -

Due to rising energy costs, efficiency is becoming a key factor within the industry and is increasingly important on end-user criteria. Our new units use the latest technology to ensure greater energy efficiency.

■ Backing our beliefs -

We offer two years warranty on all condensers from date of dispatch (subject to our standard Terms & Conditions of Sale and excluding corrosion through misapplication).

Fansets

The fansets chosen for the range offer the best combined performance for air volume, noise and efficiency available in the refrigeration industry, customers can select the latest EC technology, offering high efficiency and speed controllability.

Coils

Coils are manufactured from high-quality materials ensuring a quality product without compromise. These coils have been tested extensively in GEA Searle's Research & Development facility to ensure performance.

Standard coils are manufactured from copper tubes, which are mechanically expanded into fully collared holes in the fins. This ensures an effective and permanent bond between the tube and the fin, maximising heat transfer characteristics. Within the coil casework surround, each fan chamber is separated by internal baffle plates to prevent windmilling of off-cycle fans. Alternative fin materials are available to give added protection in polluted or saline atmospheres: -

- Cu/Av - Copper tube / vinyl coated aluminium fins
- Cu/Cu - Copper tubes / copper fins
- Cu/Et - Copper tubes / electro tinned copper fins
- Cu/Al/Bg - Copper tubes / aluminium fins Blygold coated

All standard coils are fully leak and strength tested to 36 bar for a maximum operating pressure of 27 bar.

Multi-sectioning

All models are suitable for multi-sectioning, permitting more than one refrigeration system to operate with a single condenser.

All V-bank, MGA2xx and MX units are twin section as standard. Larger V-bank models are manufactured in 4 sections, 2 per coil to ensure they conform to category 1 of the 'Pressure Equipment Directive'.

	Models	No. Fans	Eurovent
	MSA	1 - 3	
	ME	1 - 4	
	MG	1 - 20	
	MM	1 - 10	
	MX	1 - 10	
	MVM	2 - 20	
	MVL	2 - 20	

✓ Yes X No ○ Option

		Options				Capacity kW @ 15 DT1		
Rows of fans	Supply	EC Fans	Adiabatic Cooling Systems	Fin Materials	10	100	1000	
1	1 & 3ph	✓	X	Al Av Cu Et Bg	5.3 - 27.6 kW			
1	1 & 3ph	✓	X	Al Av Cu Et Bg	11 - 384 kW			
1 or 2	3ph	✓	O	Al Av Cu Et Bg	16.40 - 1295.11 kW			
1	3ph	✓	O	Al Av Cu Et Bg	20.02 - 780.23 kW			
1	3ph	✓	O	Al Av Cu Et Bg	25.30 - 973.16 kW			
2	3ph	✓	O	Al Av Cu Et Bg	42.10 - 1654.47 kW			
2	3ph	✓	O	Al Av Cu Et Bg	47.94 - 1889.04 kW			

ME Air Cooled Condenser

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ME A 1 2 4 H - N6 04 3 - AL

Range	ME
Module size	B, C
Bank of fans	1
Fans per bank	1 - 4
Coils rows	2, 3, 4
Coil Orientation	H = Horizontal, V = Vertical
Fans type	N6 = 630mm
Motor speed (poles)	04, 06, 08, EC = Speed control, XX = Less fansets
Power	1 = 1 - phase, 3 = 3 - phase
Coil material	AL = Copper tubes/ Aluminium fins, AV = Copper tubes with 2 pack epoxy coated aluminium fins. CU = Copper tubes/ Copper fins, ET = Copper tubes/ Copper fins electro-tinned, Bg = Copper tube/Aluminium fin Blygold coated



ME Condensers

The ME range of air-cooled condensers is based upon the well established E fin heat exchange matrix, combined with the HyBlade® range of fans from ebmpapst. This combination offers versatile and economical solution to many refrigeration and air conditioning applications. The range consists of one to four fans in two coil depths and modules with 630mm 4, 6 and 8 pole fans. This results in a wide range of capacities, noise levels and footprints to meet the diverse requirements of the industry. Optional extras for the ME range include vertical orientation (1 to 4 fan), multi circuiting, integral sub cooling section, alternative fin materials and coating. Control options include fan cycling, variable speed (including EC) and individual fan isolators.

The model selections can be made either directly from the catalogue or by using the popular GEA Searle selection software available on USB or a download from the website at www.searle.co.uk.



ME Features

2 module sizes (B,C), 630mm HyBlade® fansets, 4,6,8 pole or EC, Optional coil fin materials and coating, Powder coated robust casework, Factory fitted or separate control options, Compact design Vertical coil (1-4 fans) or horizontal coil (1 - 4 fans), Wall mounting kits available for vertical coil 1-4 fan units

Fan data table

Fan type & Pole	Diameter	Module	Delta			Star		
			Speed (rpm)	FLC (Amp)	SC (Amp)	Speed (rpm)	FLC (Amp)	SC (Amp)
N6 EC43	630mm	B,C	Variable speed 100-1150rpm	1.7	2.4	-	-	-
N604 4 Pole	630mm	B,C	1330	5	20	1035	3.1	14
N606 6 Pole		B,C	900	1.8	5.4	700	1.1	1.7
N608 8 Pole		B,C	640	1	1.9	440	0.5	0.6



ME Selection data

Model	Delta (High Speed)					Star (Low Speed)					Total Surface	Internal Volume	R404A Charge
	Capacity *	Air Volume	Sound Level **	Power Input	Energy Rating	Capacity *	Air Volume	Sound Level **	Power Input	Energy Rating			
	R404A & R507A					R404A & R507A							
	kW	m ³ /s	dB(A)	W	kW	m ³ /s	dB(A)	W	m ²	dm ³			

630mm 4 pole 3 phases

MEB112-N604-3	28.2	3.76	61	2500	E	24.8	2.98	52	1640	E	39	7	2.2
MEB113-N604-3	37.5	3.58	60	2540	E	32.4	2.81	52	1660	E	58	10	3.2
MEB114-N604-3	43.3	3.42	60	2580	E	36.8	2.66	52	1680	E	77	12	3.8
MEB122-N604-3	56.5	7.54	63	4990	E	49.6	5.96	54	3290	E	77	13	4.1
MEB123-N604-3	75.2	7.16	63	5080	E	64.9	5.62	54	3320	E	115	18	5.7
MEB124-N604-3	87.0	6.84	63	5160	E	73.9	5.34	54	3360	E	154	23	7.3
MEB132-N604-3	87.1	11.30	65	7490	E	77.2	8.94	56	4930	E	115	18	5.7
MEB133-N604-3	113.0	10.74	65	7630	E	97.4	8.44	56	4980	E	173	26	8.2
MEB134-N604-3	130.7	10.26	65	7740	E	109.9	8.00	56	5030	E	231	34	10.7
MEB142-N604-3	113.1	15.08	66	9990	E	99.3	11.92	57	6580	E	154	23	7.3
MEB143-N604-3	149.2	14.30	66	10170	E	130.1	11.24	57	6630	E	231	34	10.7
MEB144-N604-3	174.3	13.68	66	10320	E	148.0	10.66	57	6710	E	307	44	13.9
MEC112-N604-3	32.8	3.90	61	2460	E	28.5	3.10	52	1640	E	48	9	2.8
MEC113-N604-3	42.5	3.76	61	2500	E	36.3	2.98	52	1640	E	72	12	3.8
MEC114-N604-3	48.9	3.62	60	2530	E	41.4	2.86	52	1650	E	96	16	5.1
MEC122-N604-3	66.3	7.80	63	4930	E	57.5	6.20	54	3280	E	96	16	5.1
MEC123-N604-3	85.0	7.54	63	4990	E	73.2	5.98	54	3290	E	144	23	7.3
MEC124-N604-3	98.3	7.26	63	5060	E	82.5	5.74	54	3310	E	192	30	9.5
MEC132-N604-3	99.6	11.70	65	7390	E	86.6	9.30	56	4920	E	144	23	7.3
MEC133-N604-3	128.0	11.30	65	7490	E	109.3	8.96	56	4930	E	216	33	10.4
MEC134-N604-3	146.7	10.88	65	7590	E	124.5	8.60	56	4960	E	288	43	13.6
MEC142-N604-3	130.9	15.60	66	9850	E	115.3	12.40	57	6560	E	192	29	9.2
MEC143-N604-3	170.4	15.06	66	9990	E	146.7	11.94	57	6570	E	288	44	13.9
MEC144-N604-3	196.9	14.50	66	10120	E	166.3	11.46	57	6610	E	384	57	18.0

630mm 6 pole 3 phases

MEB112-N606-3	23.3	2.72	46	2700	D	20.8	2.06	39	470	D	39	7	2.2
MEB113-N606-3	29.4	2.52	46	710	D	25.3	1.90	39	480	C	58	10	3.2
MEB114-N606-3	33.1	2.36	47	730	C	27.6	1.76	39	490	C	77	12	3.8
MEB122-N606-3	46.9	5.44	49	1410	D	41.8	4.12	42	940	D	77	13	4.1
MEB123-N606-3	59.0	5.04	49	1420	D	50.8	3.80	42	970	C	115	18	5.7
MEB124-N606-3	66.3	4.74	50	1450	C	55.3	3.54	42	980	C	154	23	7.3
MEB132-N606-3	70.9	8.16	50	2110	D	62.5	6.18	43	1400	D	115	18	5.7
MEB133-N606-3	88.0	7.56	51	2130	D	76.1	5.70	43	1450	C	173	26	8.2
MEB134-N606-3	98.1	7.08	52	2180	C	83.23	5.30	44	1470	C	231	34	10.7
MEB142-N606-3	94.2	10.88	51	2810	D	83.7	8.24	44	1870	D	154	23	7.3
MEB143-N606-3	118.3	10.08	52	2840	D	101.7	7.58	44	1940	C	231	34	10.7
MEB144-N606-3	132.9	9.44	53	2910	C	110.8	7.08	45	1960	C	307	44	13.9
MEC112-N606-3	26.6	2.90	46	700	D	23.5	2.20	39	460	C	48	9	2.8
MEC113-N606-3	33.1	2.74	46	700	C	28.4	2.06	39	470	C	72	12	3.8
MEC114-N606-3	37.5	2.58	46	710	C	31.4	1.96	39	480	C	96	16	5.1
MEC122-N606-3	53.5	5.80	49	1390	D	47.1	4.42	42	920	C	96	16	5.1
MEC123-N606-3	67.1	5.46	49	1410	C	57.3	4.14	42	930	C	144	23	7.3
MEC124-N606-3	75.3	5.18	49	1420	C	63.0	3.90	42	960	C	192	30	9.5
MEC132-N606-3	80.2	8.68	50	2090	D	70.3	6.62	44	1380	C	144	23	7.3
MEC133-N606-3	100.6	8.20	50	2110	C	86.1	6.20	43	1400	C	216	33	10.4
MEC134-N606-3	113.3	7.76	50	2120	C	93.9	5.86	43	1440	C	288	43	13.6
MEC142-N606-3	107.3	11.58	51	2790	D	94.4	8.82	45	1840	C	192	29	9.2
MEC143-N606-3	134.5	10.94	51	2810	C	114.7	8.28	44	1870	C	288	44	13.9
MEC144-N606-3	150.8	10.36	51	2830	C	125.1	7.82	44	1920	C	384	57	18.0

Note: * Capacity quoted at 15 K DT1 Dew Point, ** Sound level quoted as mean pressure level at 10m

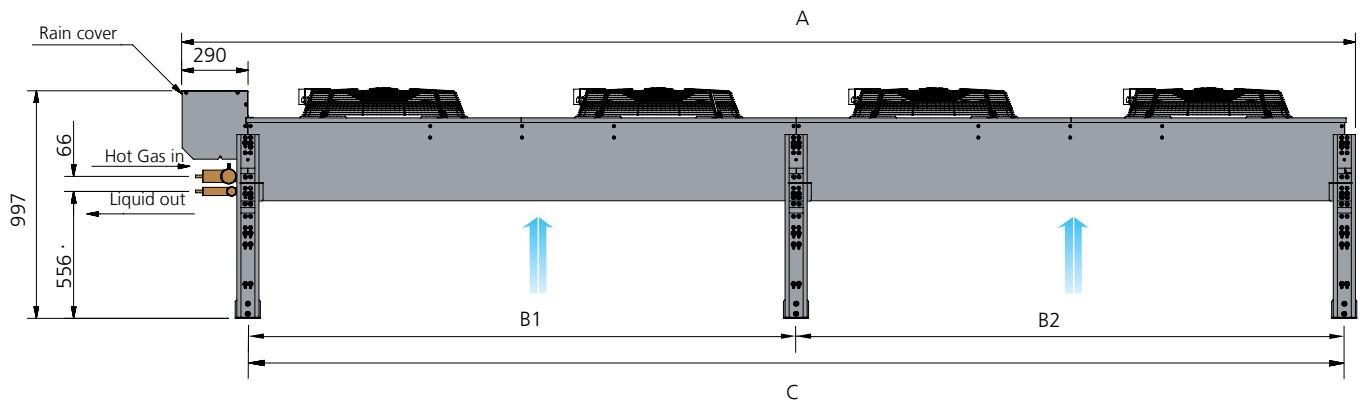
Model	Delta (High Speed)					Star (Low Speed)					Total Surface	Internal Volume	R404A Charge
	Capacity *	Air Volume	Sound Level **	Power Input	Energy Rating	Capacity *	Air Volume	Sound Level **	Power Input	Energy Rating			
	R404A & R507A					R404A & R507A							
	kW	m ³ /s	dB(A)	W		kW	m ³ /s	dB(A)	W				

630mm 8 pole 3 phases

MEB112-N608-3	19.7	1.98	37	350	C	16.3	1.34	28	200	B	39	7	2.2
MEB113-N608-3	24.2	1.84	37	360	C	19.1	1.26	29	200	B	58	10	3.2
MEB114-N608-3	26.4	1.72	38	370	B	20.4	1.18	29	200	B	77	12	3.8
MEB122-N608-3	39.7	3.96	40	700	C	32.6	2.70	31	400	B	77	13	4.1
MEB123-N608-3	48.5	3.68	40	720	C	38.1	2.50	32	400	B	115	18	5.7
MEB124-N608-3	53.0	3.44	41	740	B	40.8	2.36	32	410	B	154	23	7.3
MEB132-N608-3	9.1	5.94	41	1050	C	47.7	4.04	33	600	B	115	18	5.7
MEB133-N608-3	72.7	5.52	41	1080	C	57.6	3.76	34	610	B	173	26	8.2
MEB134-N608-3	79.9	5.16	42	1110	B	61.7	3.52	34	610	B	231	34	10.7
MEB142-N608-3	79.5	7.92	42	1400	C	65.3	5.40	34	790	B	154	23	7.3
MEB143-N608-3	97.0	7.36	42	1440	C	76.5	5.02	35	810	B	231	34	10.7
MEB144-N608-3	106.0	6.86	43	1480	B	82.3	4.70	35	820	B	307	44	13.9
MEC112-N608-3	22.1	2.10	37	340	C	18.1	1.44	28	200	B	48	9	2.8
MEC113-N608-3	27.1	1.98	37	350	B	21.5	1.36	28	200	B	72	12	3.8
MEC114-N608-3	30.0	1.90	37	360	B	23.1	1.30	29	200	A	96	16	5.1
MEC122-N608-3	44.4	4.22	40	680	C	36.2	2.88	31	390	B	96	16	5.1
MEC123-N608-3	54.3	3.98	40	700	B	42.9	2.72	31	400	B	144	23	7.3
MEC124-N608-3	60.2	3.78	40	710	B	46.2	2.58	32	400	A	192	30	9.5
MEC132-N608-3	66.4	6.32	41	1030	C	53.7	4.32	33	590	B	144	23	7.3
MEC133-N608-3	81.7	5.97	41	1050	B	64.4	4.08	33	600	B	216	33	10.4
MEC134-N608-3	90.1	5.67	41	1070	B	69.0	3.88	33	600	A	288	43	13.6
MEC142-N608-3	88.9	8.43	43	1370	C	72.7	5.76	34	780	B	192	29	9.2
MEC143-N608-3	108.7	7.96	42	1400	B	85.9	5.44	34	790	B	288	44	13.9
MEC144-N608-3	120.1	7.56	42	1430	B	91.6	5.16	34	800	A	384	57	18.0

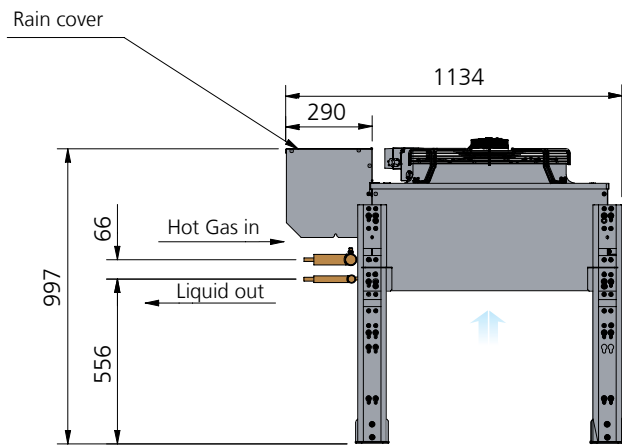
Note: * Capacity quoted at 15 K DT1 Dew Point, ** Sound level quoted as mean pressure level at 10m

ME Model drawings & dimensions

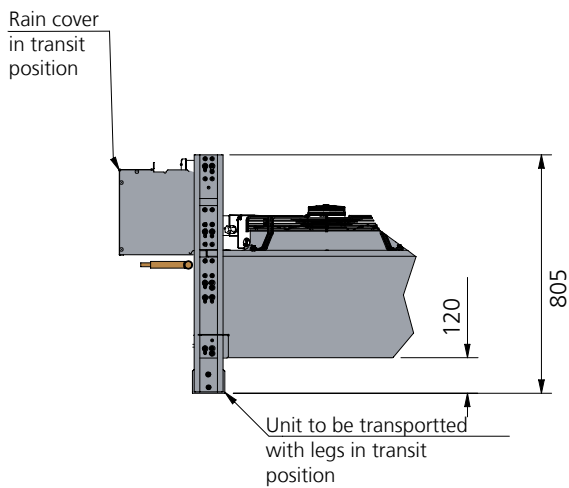
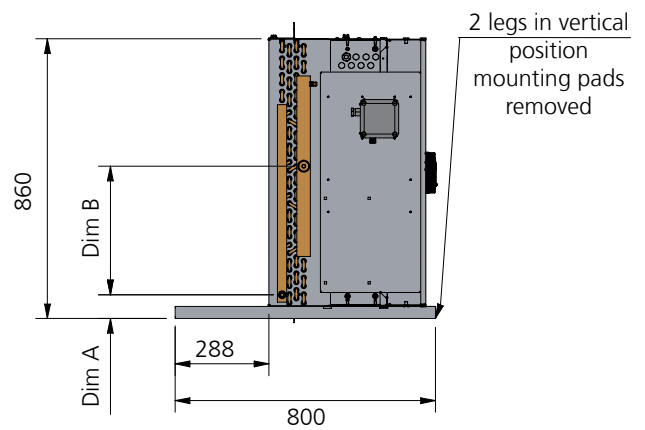


ME Single bank horizontal unit

ME Vertical unit



Unit in transit



Model	Banks	Fans per bank	A	B1	B2	C	D	W	H	Appox Dry Weight.		Inlet	Outlet
			mm	mm	mm	mm	mm	mm	kg	kg			
			mm	mm	mm	mm	mm	mm	kg	kg			
MEB112	1	1	1293	—	—	1195	867	898	860	83	99	1 3/8"	7/8"
MEB113	1	1	1293	—	—	1195	867	898	860	90	115	1 3/8"	7/8"
MEB114	1	1	1293	—	—	1195	867	898	860	99	132		7/8"
MEB122	1	2	2501	—	—	2403	867	898	860	134	167	1 3/8"	7/8"
MEB123	1	2	2501	—	—	2403	867	898	860	148	198	1 5/8"	7/8"
MEB124	1	2	2501	—	—	2403	867	898	860	163	230	2 1/8"	1 1/8"
MEB132	1	3	3703	—	—	3605	867	898	860	187	237	1 5/8"	1 1/8"
MEB133	1	3	3703	—	—	3605	867	898	860	209	284	2 1/8"	1 1/8"
MEB134	1	3	3703	—	—	3605	867	898	860	231	332	2 1/8"	1 3/8"
MEB142	1	4	4904	2403	2403	4806	867	898	860	264	331	1 5/8"	1 1/8"
MEB143	1	4	4904	2403	2403	4806	867	898	860	294	394	2 1/8"	1 3/8"
MEB144	1	4	4904	2403	2403	4806	867	898	860	323	457	2 1/8"	1 3/8"
MEC112	1	1	1293	—	—	1195	1070	1101	1063	188	109	1 3/8"	7/8"
MEC113	1	1	1293	—	—	1195	1070	1101	1063	198	129	1 3/8"	7/8"
MEC114	1	1	1293	—	—	1195	1070	1101	1063	107	149	1 3/8"	7/8"
MEC122	1	2	2501	—	—	2403	1070	1101	1063	143	184	1 5/8"	1 1/8"
MEC123	1	2	2501	—	—	2403	1070	1101	1063	161	224	2 1/8"	1 1/8"
MEC124	1	2	2501	—	—	2403	1070	1101	1063	180	263	2 1/8"	1 3/8"
MEC132	1	3	3703	—	—	3605	1070	1101	1063	202	264	2 1/8"	1 1/8"
MEC133	1	3	3703	—	—	3605	1070	1101	1063	230	324	2 1/8"	1 3/8"
MEC134	1	3	3703	—	—	3605	1070	1101	1063	258	383	2 1/8"	1 3/8"
MEC142	1	4	4904	2403	2403	4806	1070	1101	1063	280	363	2 1/8"	1 1/8"
MEC143	1	4	4904	2403	2403	4806	1070	1101	1063	317	442	2 1/8"	1 3/8"
MEC144	1	4	4904	2403	2403	4806	1070	1101	1063	354	521	2 1/8"	1 3/8"



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GEA Heat Exchangers

GEA Searle

20 Davis Way, Newgate Lane, Fareham, PO14 1AR
Tel. +44 (0) 1329 823344, Fax +44 (0) 1329 821242
sales@searle.co.uk, www.searle.co.uk