Searle

GEA Searle - MSA Refrigeration Flatbed

General infomation - The MS range is our smallest condenser consisting of 9 models, each with two fan speed options, giving 18 models in total. The unit can be installed either vertically or horizontally, floor or wall mounted, by using the supplied mounting legs, which are also used to provide additional protection for header and return bends during transport. The range is suitable for use in most refrigeration and air conditioning condenser applications.

Capacities - 5.1 - 26.2kW

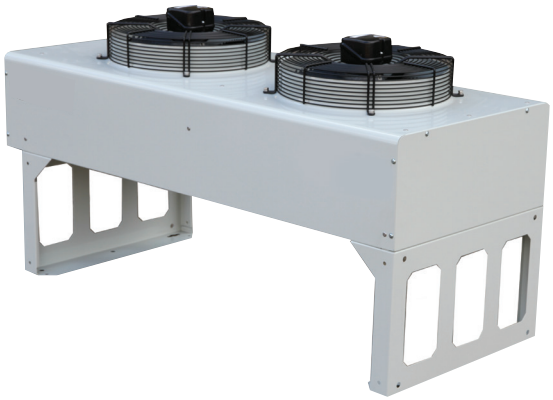
Fin material	Description
CU/AL	Copper tube/Aluminium fin
CU/AV	Copper tube/Epoxy coated Aluminium fin
CU/BG	Copper tube/Aluminium fin Blygold coated
CU/CU	Copper tube/Copper fin
CU/ET	Copper tube/Copper fin Electro tinned

Coil - The coils are manufactured from iseamless 8mm copper tube expanded into ripple fins spaced at 2.1mm. Fully collared holes in the fin ensure an efficient and permanent bond between the expanded tube and the fin. The coils are circuited to allow for horizontal or vertical installation. Number of circuits are standardised and are common for both 4 & 6 pole options .

Casework - All external case work in manufactured from corrosion resistant pre galvanised sheet steel powder coated RAL7032 (Pebble Grey). All fastenings are non-ferrous, with the majority being stainless steel. The fan plates wrap around the coil to make a one piece plate that covers the unit, this plate is attached to the coil end plates. Each unit has two legs which will be sent out in the transport position, covering the header and hairpin ends and fixed to the coil end plates. When supplied to the end user, the leg are removed from the transport position and fitted to the unit.

Options	Description
AC Fan Control	Direct mount, phase cut AC control option (Triac)
EC Fan Control	Low cost and easy to use 0-10V EC control
Isolators	Fan Isolators
Alternative Fin Materials	Epoxy coated aluminium, copper, Blygold, electro-tinned

Fans - Searle offer single phase, with two fan speed options. The standard ranges of motors are 4 & 6 pole EBM 350mm diameter fansets. Fansets are supplied with terminal box including a capacitor. All motors have built in thermostatic protection and internally wired.



Controls - Basic options on these ranges are:

- Unwired – Installer wires directly to fan terminal boxes.
- Junction Box – Single according to unit model
- Speed control – single phase triac speed controller

All the above options are available with fan mounted isolators.

Features

- Comprise of 9 models.
- Capacity range is from 5.1 - 26.2kW.
- Two fan speed options, giving 18 models in total.
- Suitable for use in most refrigeration and air conditioning condenser applications.
- Eurovent certified.
- Unit can be installed either vertically or horizontally.
- Manufactured from seamless 8mm copper tube.
- Aluminium ripple fin spaced at 2.1mm
- Powder coated RAL 7032 grey.
- Standard Copper (CU) tube, Aluminium (AL) fins.
- Optional header and return bend covers.
- Fully weatherproof.

Certification - MS models are "Eurovent Certify all"certified. Searle is a quality assured company to ISO 9001: encompassing Performance Testing, Manufacturing Systems and Inspection Procedures. Searle's products are also CE marked.

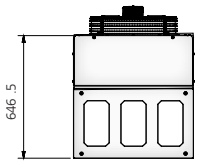
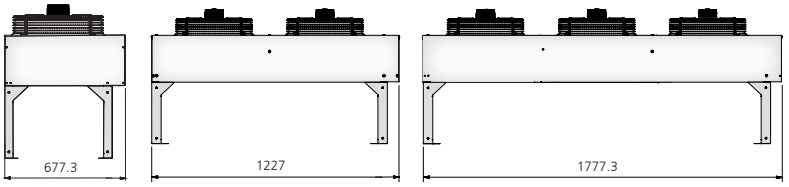
Selection software - Selection and pricing can be performed on the Searle Selection software which can be downloaded from our website **www.searle.co.uk**

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

BSI REGISTERED UKAS QUALITY MANAGEMENT 003

CE

Dimensions

	Unit	Module Length
MSA		

Nomenclature





GEA Heat Exchangers

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