



AERMEC FANCOIL CATALOGUE

North America

2021



Aermec is distributed by Master Distributor
Mits Airconditioning Inc. in North America

TABLE OF CONTENTS

Why Aermec Fancoils?	3
Fancoils	4
FCL	4
FCW	4
FCZ P	5
FCZ US USF	5
FCZ I EUP	6
FCZ I EU EUF	6
MZC Multizone	7
VED	7
Ventilcassaforma	7

WHY AERMEC FANCOILS?

EFFICIENCY

COMFORT

REDUCED FOOTPRINT

ENVIRONMENTALLY
FRIENDLY

NO REFRIGERATION IN
THE BUILDING

UNMATCHED ZONING
CAPABILITIES

WHISPER QUIET
OPERATION

REDUCED OPERATING
COSTS

SIMPLE, RELIABLE, AND
PROVEN WORLDWIDE

Aermec manufactures the world's quietest fancoils!

All of our products are manufactured at Aermec Headquarters in Bevilacqua, Italy. The manufacturing plant can produce up to 1000 fancoils per day.

Consisting of a fan unit, a heat exchange element, and a filter, fan coils are ideal machines for summer air conditioning and winter heating. Fed with cooled water coming from a chiller, they make the air of the room to your desired conditions and with great energy efficiency. Fed with hot water coming from a heat pump or from a common boiler, they supply dry and economical heating during the winter season.

Aermec strives to provide the most efficient and innovative HVAC solutions to the market.



FANCOILS

FCL



3 Two-Pipe Sizes
3 Four-Pipe Sizes

Cooling 1.70 – 3.12 Tons
Heating 24,226 – 44,358 Btu/h

The FCL cassette type fan coil is a terminal unit for the conditioning of air in a room. The FCL concentrates high technological and functional features that make it the ideal means for air conditioning all environments. The supply of conditioned air is distributed throughout the room. The unit generates heat if included in a heating system with a boiler or heat pump but may also be used in the summer as an air conditioner if the heating system has a water chiller. The unit is mounted in a suspended ceiling with the possibility of sending conditioned air to adjacent rooms and introducing external air independently from unit ventilation. The basic FCL unit is available in two versions, for two pipe and four pipe systems.

FCW



4 Sizes

Cooling 7,100 – 8,000 Btu/h
Heating 8,400 – 25,000 Btu/h

The FCW high wall unit is ideal for summer air conditioning and winter heating. Fed with cooled water coming from a chiller, they make the air of the room fresh, dry, and clean in a short period of time and with great energy efficiency. The units are fed with hot water coming from a heat pump or from a common boiler and supply dry heating during the winter season. Optional: the ability to control an independent heating and cooling valve, two or four pipe.

FANCOILS

FCZ P



19 Two-Pipe Sizes
18 Four-Pipe Sizes

Cooling 0.28- 2.20 Tons
Heating 4,060 - 28,866 Btu/h

FCZ P units are a universal ducted fan coil that consists of a fan unit, a heat exchange coil, and a filter. They are ideal for summer air conditioning and winter heating as a 2 pipe system. Fed with chilled water, they make the air of the room cool, dry, and clean in a very short time and with great energy efficiency. Fed with heated water they provide comfortable heating. Very well designed, quiet, and only has a depth of 8.5 inches. The cooling coil is available with 3 or 4 rows and you may add an optional heating coil making it a 4 pipe system. Units may be mounted vertically or horizontally.

FCZ US USF



19 Two-Pipe Sizes
18 Four-Pipe Sizes

Cooling 0.28- 2.20 Tons
Heating 4,060 - 28,866 Btu/h

FCZ US USF units are a universal cabinet fan coil that consists of a fan unit, a heat exchange coil, and a filter. They are ideal for summer air conditioning and winter heating as a 2 pipe system. Fed with chilled water they make the air of the room cool, dry, and clean in a very short time and with great energy efficiency. Fed with heated water they provide comfortable heating. Very well designed, quiet, and only has a depth of 8.5 inches. The cooling coil is available with 3 or 4 rows and you may add an optional heating coil making it a 4 pipe system. Units may be mounted vertically or horizontally.

FANCOILS

FCZ I EUP



12 Two-Pipe Sizes
11 Four-Pipe Sizes

Cooling 0.45 – 1.85 Tons
Heating 6,278 – 21,500 Btu/h

FCZ I EUP units are ducted fan coils that are fan coils that have continuous 0-100% variation of air flow rate making them extremely quiet. They have inverter technology with brushless DC electric motors with extremely high efficiency levels resulting in 50% energy reduction versus standard 3 speed fan motors. They are equipped with 220/110 dual voltage motors. Unit may have electrical and water connections on the same side. Further, the cooling coil is available with 3 or 4 rows and you may add an optional heating coil to allow for a 4 pipe system. Units may be mounted vertically or horizontally.

FCZ I EU EUF



12 Two-Pipe Sizes
11 Four-Pipe Sizes

Cooling 0.45 – 1.85 Tons
Heating 6,278 – 21,500 Btu/h

FCZ I EU EUF units are universal cabinet fan coils that have continuous 0-100% variation of air flow rate. Thanks to the inverter technology combined with the latest brushless DC electric motor and the extremely high energy efficiency levels, the FCZ I EU EUF fan coils can modulate the airflow rate continuously from 0-100%. This means the capacity is adjusted moment by moment to the specific needs of the air conditioned room. This results in 50% energy savings during winter and summer air conditioning ventilation, compared with the traditional on-off ranges. 220/110 dual voltage motors. The cooling coil is available with 3 or 4 rows and you may add an optional heating coil allowing for a 4 pipe system. Units may be mounted vertically or horizontally.

FANCOILS

MZC MULTIZONE



Plenum

MZC is a plenum with motorized dampers for zone and air control. It adjusts the flow rate of the air along with the damper to create a comfortable environment. The MZC controls the airflow by adjusting the fan speed as dampers open and close to ensure that each zone gets the exact amount of air required. This automatic adjustment of the motor speed allows for no bypass damper and guarantees comfort and extremely quiet operation.

VED | VEDI



8 Two-Pipe Sizes
Cooling 2.23 - 5.15 Tons
Heating 61,323 - 127,000 Btu/h

8 Four-Pipe Sizes
Cooling 2.23 - 5.15 Tons
Heating 32,000 - 74,500 Btu/h

VED units are a ducted fancoil that consists of a fan unit, a heat exchange element, and a filter. The units are ideal for summer air conditioning and winter heating. Fed with cooled water coming from a chiller, they make the air of the room fresh, dry, and clean in a very short time and with great energy efficiency. They can be integrated into the VMF system which allows the control of a single fan coil with accessories and the management of the VED introduced in complex fan coil networks. They are available in two pipe or four pipe configurations. VED's have the option to have a 3 or 4 row main coil and a 1 or 2 row auxiliary heating coil.

VENTILCASSAFORMA



Ventilcassaforma has been designed to suit modern interior architecture. It is a galvanized template that makes it possible to house fan coils in the wall. The template will make masonry work easier during the construction of a space where the fan coil will be installed. When the work is finished, the fan coil will be completely hidden from view. Ventilcassaforma is available for ducted fan coils in two pipe systems or four pipe systems.



Aermec is distributed by Master Distributor
Mits Airconditioning Inc. in North America

Aermec (North America)
1608 Bonhill Road
Mississauga | ON | L5T 1C7
Canada: 1-800-567-2221
US: 1-888-567-2227
help@aermec.us
aermec.us