

A complete range of HVACR solutions for your facilities



FUCA BUILDING MANAGEMENT SYSTEM

FEC series
Intelligent system integration Active optimization control technology 3D vision and interactive interface Tracking the energy efficiency curve of each device Optimizing the operating conditions of the main engine Improve the overall energy efficiency ratio of the system

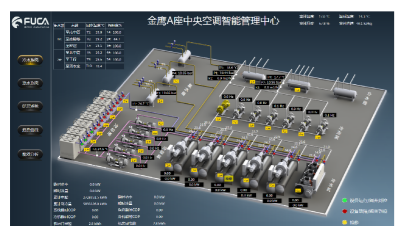
FCA series
FCA-Cleaning Systems of HVAC Control used in the electronic workshop, pharmaceutical workshop, hospital operating room, precision laboratory, animal experimental room with high requirements for isothermal humidity and cleanliness. Through high-precision sensors and industrial controllers, it can realize the monitoring and automatic control of temperature, humidity, air volume, pressure difference, carbon dioxide concentration and other related parameters. The system is equipped with standard communication interface, which can provide Modbus RTU, PROFIBUS DP, CCLink, LonWorks, BACnet, etc., which are compatible with various mainstream devices and facilitate the system to be incorporated into BAS monitoring.

FS series
The system can provide a variety of standard communication interfaces, such as modbus, PROFIBUS, ControlNet, CC-Link, LonWorks, BACnet, etc., which are compatible with various mainstream devices and facilitate the system to be incorporated into BAS monitoring.

FSH series
FSH series include main air conditioning, cold storage, cabinet machine, water chiller, electric heating, motor and other supporting control systems of HVAC, refrigeration and air conditioning equipment. The related products have passed CCS (China Classification Society) and DNV (Norwegian Classification Society) certification, and the protection grade has passed CNAs National Laboratory Certification.

FMC Start-up Cabinet
FMC Start-up Cabinet is suitable for the start control of fans, water pumps, cooling towers and other equipment in HVAC system. The products cover direct start, star delta start, auto buck start, soft start, frequency conversion start and other start modes. function, electric energy measurement and other personalized needs.

CRITICAL ENVIRONMENTS SOLUTION



FUC-Control SYSTEM OF MAINFRAMES

The industrial PLC of the world's advanced brand has strong anti-interference ability and can adapt to a variety of harsh working environment to ensure the long-term stable operation of the unit. Integrated communication function, can easily interface with building control system. Equipped with large screen true color display screen, it can not only display equipment operation parameters, but also dynamically simulate system operation process, with friendly interface and convenient operation.



1. Adopt industrial PLC, adapt to harsh environment, strong anti-interference ability.
2. Large screen full-color LCD can be selected according to the user's requirements, which can not only display the equipment operation parameters, but also dynamically simulate the operation process, with friendly interface and convenient operation.
3. Advanced assembly technology makes the appearance of products more optimized and the protection level higher.
4. Customized production and programming according to customers' non-standard requirements.
5. The shell coating process is excellent, the outdoor salt spray resistance time is more than 500 hours, the coating thickness is 70 μm-250 μm, and the hardness is more than 1h.
6. Compatible with standard industrial network system

LIGHT COMMERCIAL

TPD
Airflow range:
Indoor / Outdoor application
Factory-packaged controls included

Fresh Air
TMDF SERIES
Cooling capacity: 14.0 - 56.0 kW

Purify Cassette Type
TSA/K SERIES
Cooling capacity: 7.2 - 12kW

Fresh Air with Heat Exchanger
TRV
Airflow range: 105-570 m³/h



CONTROL SYSTEM

TE316 Touch Button
86mm*86mm panel,
LED Back-light display facilitating
operation at night: W-Fi control
functions*

TA108 Press Button
Centralized or separate control of
up to 64 IDUs in 8 systems
Control signal wire up to 1000 m
Mode locking, single set query/all
control functions

TE-600 TFT touchscreen, exquisite
appearance and simply operation
Cool/Heat/Auto/Fan/Dry modes
Air quality display, power
consumption analysis

TE800 8-inch colored touchscreen for easy
control
Unified management of IDU groups
Display of indoor PM2.5 and
formaldehyde content

TICA PURIFIED AIR SOLUTION



TSA/R Series
Cooling capacity: 2.6 - 7.2 kW
Cooling capacity: 2.9 - 8.0 kW
Air Flow range: 310-1000 m³/h
Formaldehyde filter layer/PM2.5 filter layer/Pre-
filter layer
Super quiet mode: 23 dB

TICA AIR HANDLING UNITS & INDOOR AIR QUALITY OPTIONS

DX TSA
Airflow range:
1,000-200,000 m³/h
Indoor / Outdoor application With or
without Factory-packaged controls
included

TAD (MODULAR)
Airflow range:
2,000-60,000 m³/h
Indoor / Outdoor application With or
without Factory-packaged controls
included

TAC/TBC
Airflow range:
500-600,000 m³/h
Indoor / Outdoor application Factory-
packaged controls included

TFD-Large type "FCU"
Airflow range: 1,500-15,000 m³/h
Indoor application, pre-packaged
units with integral heat recovery
device and factory packaged controls

Heat Recovery Exchanger
Airflow range: 1,500-10,500 m³/h
2 and 4 pipe versions available, EC
variable speed motor option

TICA FAN COIL UNITS

Slim Duct TCR
Cooling capacity: 0.7 - 7.4 kW
Air Flow range: 340-2380 m³/h
Concealed Type
horizontal or vertical mounting,
EC variable speed motor option

Standard ESP Duct TCRD
Cooling capacity: 0.6 - 9.7 kW
Air Flow range: 340-2380 m³/h
Concealed Type
horizontal or vertical mounting,
EC variable speed motor option

High static pressure TFM
Cooling capacity: 5.3 - 34.4 kW
Air Flow range: 815-5500 m³/h
up to 130Pa ESP maximum,
ducted unit horizontal mounting
without case,
EC variable speed motor option

Health Type with Filter TCRJ
Cooling capacity: 1.6 - 13.0 kW
Air Flow range: 190-2380 m³/h
Horizontal mounting without case,
EC variable speed motor option

Quiet Type low noise TCRG
Cooling capacity: 1.1 - 10.2 kW
Air Flow range: 340-2380 m³/h
Ceiling mounted, coanda effect, 2
and 4 pipe versions available, EC
variable speed motor option

Round type Cassette TKM
Cooling capacity: 1.3 - 15.1 kW
Air Flow range: 350-2040 m³/h
Ceiling mounted cassette,
2 and 4 pipe versions available, EC
variable speed motor option

Exposed type TC
Cooling capacity: 1.3 - 10.5 kW
Air Flow range: 230-2380 m³/h
Residential wall mounted, infrared
remote option,
EC variable speed motor option

SMARTD OFC CHILLER

SMARTD E CLASS
IPLV 0.40 kW/TR
Cooling capacity: 70 - 300 TON

SMARTD TA Class
Air Cooled Chillers
Hot Water Leaving down to 40°C
Cooling capacity: 60 - 600 TON

SMARTD E Class
Evaporatively Cooled Chillers
Cooling capacity: 60 - 450 TON

SMARTD T Class
Oil-Free Centrifugal Water Cooled
Cooling capacity: 60 - 1200 TON

SMARTD TA Class
Oil-Free Centrifugal Water Cooled
Cooling capacity: 60 - 1200 TON

SMARTD G Class
Oil-Free Centrifugal Water Cooled
Cooling capacity: 90 - 880 TON

SMARTD V Class
Oil-Free Centrifugal Water Cooled
Cooling capacity: 350 - 2500 TON

TICA CHILLER

WATER COOLED
TWC Fall Film Centrifugal
Cooling capacity: 2110 - 7735kW
DC Inverter technology,
Centrifugal compressor, R134A

TWSFC Flooded
Cooling capacity: 404-2680kW
DC Inverter technology,
Centrifugal compressor, R134A

TWSFU Flooded One Set
Cooling capacity: 2110 - 7735kW
DC Inverter technology,
Screw compressor, R134A

TWSD
Cooling capacity: 355 - 883 kW
DC Inverter technology,
Scroll compressor, R22

TWS
Cooling capacity: 74.4 - 150 kW
Scroll compressors, hydro kit, R454

AIR-COOLED
TASF Screw Flooded Chiller
Cooling capacity: 399 - 1615 kW
Heating capacity: 377-1545kW
Screw compressor, R134a

TASD-CC Screw Chiller
Cooling capacity: 373 - 1173 kW
Heating capacity: 386-1242kW
Screw compressor, R134a/R407c

TASD Screw Chiller
Cooling capacity: 385 - 1425 kW
Screw compressor, R134a

TASA Scroll Chiller
Cooling capacity: 165- 440 kW
Scroll compressor, R410a

TCA-XH Modular Chiller
(Cooling only optional) Max16 units
Cooling capacity: 66- 2272 kW
Heating capacity: 66- 2272 kW
Scroll compressor, R410a

TCAV Full Operation Condition
Variable Speed Scroll
Cooling capacity: 33.5- 1040 kW
Scroll compressor, R410a
T3T4 Special -20-55 °C

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TICA ROOFTOP & DUCT EQUIPMENT

TRA ROOFTOP
Cooling capacity: 28 - 105kW
Air Flow range: 13000-48000 m³/h
Hermetic Scroll Compressor
Nylon Return Air Filter R22

TSA Duct Type ODU
Cooling capacity: 20- 79 kW
Heating capacity: 23- 83 kW
Air Flow range: 4300-13000 m³/h
R410A

O/30/50 Pa ESP IDU
TMDN AB Duct Type IDU
Cooling capacity: 2.2- 7.1 kW
Heating capacity: 2.5- 8.0 kW

200-300 Pa ESP IDU
TMDH Large Air Flow IDU
Cooling capacity: 20- 61.5 kW
Heating capacity: 22.4- 69 kW

TICA HEAT PUMP

AIR-COOLED
TSCA
Heating capacity: 14- 22kW
Scroll compressor, R410A
-25-25°C Strong Heating

TCAH
Water up to 55°C
Heating capacity: 14- 42 kW Scroll
compressor, R410A

TCAS
Water up to 60°C
Heating capacity: 22- 35 kW Scroll
compressor, R410A

AIR-COOLED MODULAR
TCA201XH 4 Pipe Heat Pump
Water up to 60°C
Heating capacity: 66- 2240 kW
Scroll compressor, R410A

TASD-CH Screw Heat Pump
Cooling capacity: 373 - 1173 kW
Heating capacity: 386-1242kW
Screw compressor, R134a/R407c

TAS AH Scroll
Cooling capacity: 373 - 1173 kW
Heating capacity: 386-1242kW
Screw compressor, R134a/R407c

Large Cap Air Cooled Heat Pump
Water up to 55°C
Heating capacity: 165 - 440 kW
Scroll compressor, R410A

TCAV Full Operation Condition
Water up to 78°C
Heating capacity: 24 - 864 kW
Scroll compressor, R134a

MAX 16 Units
Water up to 78°C
Heating capacity: 24 - 864 kW
Scroll compressor, R134a

TCA-201X-HA
All year round full operation condition*
Heating capacity: 66- 1120kW
Scroll compressor, R410A

TCA201X-HR
Heat Recovery * Heat Pump
Water up to 65°C
Heating capacity: 70 - 2400 kW
Scroll compressor, R410A

TCAH-FCL
Air Source Heat Pump
Water up to 50°C
Heating cap.: 85 - 175kW
Scroll compressor, R410A

TCA-XHS
Comforts Type Heat Pump
Water up to 60°C
Heating capacity: 66- 2240kW
Scroll compressor, R410A

TCA-XHG
Classic Heat Pump
Water up to 65°C
Heating capacity: 66- 2240 kW
Scroll compressor, R410A

TCA-XHE
Strong Heating Cooling Heat Pump
Heating capacity: 78- 2560 kW
Scroll compressor, R410A

GHP VRF HEAT PUMPS

CNCP
Cooling capacity: 45 - 85 kW
Heating capacity: 50 - 95 kW
Scroll compressor
Ultra-low Discharge of Gas VRF
MAX 48 Modular Mode
Up to 4080KW

100% (HEATING CAPACITY)
-20°C (OUTDOOR)
Heating costs reduced by 50% in
winter

TICA VRF SOLUTION

MINI VRF UNITS
TIMS AHR
Cooling capacity: 8 - 22.4 kW
Heating capacity: 9 - 25 kW
DC Inverter technology,
Mitsubishi Rotary/Emerson Scroll

INDEPENDENT VRF
TIMS CST
Cooling capacity: 25.2 - 95.0 kW
Heating capacity: 27 - 106.0 kW
DC Inverter technology,
Emerson /Hitachi Scroll R410A

MODULAR VRF
TIMS AXA
Cooling capacity: 58.0 - 270.0 kW
Heating capacity: 63.0 - 300.0 kW
DC Inverter technology,
EVI Emerson Scroll ,R410A

VRF INDOOR UNITS
Round way cassette
TMCF
Cooling capacity: 2.8- 16.0 kW
Heating capacity: 3.2- 18.0 kW
Milky White

Two way cassette
TMCD
Cooling capacity: 2.8- 8.0 kW
Heating capacity: 3.2- 9.0 kW
Milky White

One way cassette
TMCS
Cooling capacity: 2.8- 7.1kW
Heating capacity: 3.2- 8.0 kW

Wall mount Split
TMVW
Cooling capacity: 2.8- 5.6kW
Heating capacity: 3.0- 6.0kW

Floor Heating IDU
TMFU
Cooling capacity: 2.8- 5.6kW
Heating capacity: 3.0- 6.0kW

DC ultra-thin silent duct type IDU
TMDN AE
Cooling capacity: 2.2- 7.1kW
Heating capacity: 2.5- 8.0kW

TMDN-ACB
Adjustable static pressure duct unit
Cooling capacity: 8.0- 16.0kW
Heating capacity: 9.0- 18.0kW

