

Airwell

Service Manual

YIF series

| Indoor Units | | | Outdoor Units |
|--------------|--------|--------|---------------|
| DAF009 | | | YIF009 |
| DAF012 | FAF012 | CAF012 | YIF012 |
| DAF018 | FAF018 | CAF018 | YIF018 |
| DAF024 | FAF024 | CAF024 | YIF024 |
| DAF030 | FAF030 | CAF030 | YIF030 |
| DAF036 | FAF036 | CAF036 | YIF036 |
| | | | YIF036T |
| DAF042 | FAF042 | CAF042 | YIF042T |
| DAF060 | | | YIF060T |



REFRIGERANT

R410A

HEAT PUMP

SM YIFSER 2-A.1 GB

JAN - 2012

Version:2

LIST OF EFFECTIVE PAGES

Note: Changes in the pages are indicated by a "Revision#" in the footer of each effected page (when none indicates no changes in the relevant page). All pages in the following list represent effected/ non effected pages divided by chapters.

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1. INTRODUCTION

1.1 General

The YIF series range comprises RC (heat pump) models. The whole range covers nominal cooling capacity from 9kBtu/h to 60kBtu/h which matching following indoors, as follows:

IDU:

Ducted(8 Models): DAF009 DAF012 DAF018 DAF024 DAF030 DAF036 DAF042
DAF060

Floor/Ceiling(4 Models): FAF012 FAF018 FAF024 FAF030 FAF036 FAF042

Cassette(6 Models): CAF012 CAF018 CAF024 CAF030 CAF036 CAF042

ODU:

1 Ph(6 Models): YIF009 YIF012 YIF018 YIF024 YIF030 YIF036

3 Ph(3 Models): YIF036 YIF042 YIF060

1.2 Main Features

The YIF series benefits from the most advanced technological innovations, namely:

- Auto mode
- Cooling/Heating/Dehumidification
- Sleep mode (from remote control)
- ON/OFF Timer
- Auto swing
- 4-dimension swing (Cassette only)
- Energy saving
- Intelligent Deicing
- Memory from power failure
- Cold air prevention in heating
- Self diagnostic (Error indications) for ease of maintenance

1.3 Indoor Unit

The indoor unit is calling mounted, and can be easily fitted to many types of residential and commercials applications. It is major designed for light commercial air-conditioning needs.

It includes:

- Coil with hydrophilic aluminum fins.
- Advanced electronic control box assembly
- Mounting plate

1.4 Filtration

The YIF series presents several types of air filters:

- Easily accessible, and re-usable pre-filters (mesh)

1.5 Control

The microprocessor indoor controller, and an infrared remote control, supplied as standard, provide complete operating function and programming. For further details, please refer to the Operation Manual, Appendix.

1.6 Outdoor Unit

The outdoor units can be installed as floor or wall mounted units by using a wall supporting bracket. The metal sheets are protected by anti- corrosion paint work allowing long life resistance. For further information, please refer to the Product Data Sheet, Chapter 2.

It includes :

- Compressor mounted in a soundproofed compartment :
- Axial fan.
- Outdoor coil with hydrophilic louver fins for RC units.
- Outlet air fan grill.
- Interconnecting wiring terminal block.

1.7 Tubing Connections

Flare type interconnecting tubing to be produced on site.

For further details, please refer to the Installation Manual, Chapter 10.

1.8 Accessories

RCW Wall Mounted Remote Control

The RCW remote control is mounted on the wall, and controls the unit either as an infrared remote control or as a wired controller.

The wired remote control with larger LCD display provides the following functions

- Interconnecting wiring terminal block.
- On/OFF unit
- Choose the operating mode (Heating-Cooling-Dehumidification-Fan or Automatic mode),
- Increase or decrease the setting temperature.
- Adjust the fan speeds (Auto/High/Medium/Low)
- Setting ON-OFF timer within 0.5hr-24hrs
- Air exchange (Fresh air) settings
- Sleep mode saves energy by preventing overcooling or overheating during night time
- Energy saving function
- Technician functions
 - Display of Outdoor Ambient Temperature
 - Power-fail Memory Function Setting
 - Setting of Ambient Temp. Sensor
 - Setting of Fan Speed
 - Failure Display

For further details, please refer to the Technical Service Manual.

1.9 Inbox Documentation

Each unit is supplied with its own installation, operation and remote control manuals.

1.10 Matching Table

| OUTDOOR UNITS | INDOOR UNITS | | | | | | | |
|---------------|--------------|------------------|------------------|------------------|------------------|------------------|------------------|--------|
| | DAF009 | DAF012 | DAF018 | DAF024 | DAF030 | DAF036 | DAF042 | DAF060 |
| | | CAF012 FAF012 | CAF018 FAF018 | CAF024 FAF024 | CAF030 FAF030 | CAF036 FAF036 | CAF042 FAF042 | |
| YIF009 | √ | | | | | | | |
| YIF012 | | √ | | | | | | |
| YIF018 | | | √ | | | | | |
| YIF024 | | | | √ | | | | |
| YIF030 | | | | | √ | | | |
| YIF036 | | | | | | √ | | |
| YIF036T | | | | | | √ | | |
| YIF042T | | | | | | | √ | |
| YIF060T | | | | | | | | √ |

2. PRODUCT DATA SHEET

2.1 DAF009 / YIF009

R410A

PRELIMINARY PRODUCT DATA SHEET

| Model Indoor Unit | | DAF009 | | |
|-----------------------------------|---------------------------------|----------------------|-----------------------|-------------|
| Model Outdoor Unit | | YIF009 | | |
| Installation Method of Pipe | | ducted | | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 8870 | 9720 | |
| | kW | 2.6 | 2.85 | |
| Power input (4) | kW | 1.00 | 0.97 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.6 | 2.93 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | | |
| Rated current | A | 4.5 | 4.3 | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 6/10 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 830/640/550 |
| | Air flow (1) | H/M/L | m ³ /hr | 550/470/400 |
| | External static pressure | Min-Max | Pa | 25(0~25) |
| | Sound power level (2) | H/M/L | dB(A) | 47/46/44 |
| | Sound pressure level(3) | H/M/L | dB(A) | 37/36/34 |
| | Moisture removal | | l/hr | 1 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 913x220x680 |
| | Weight | | kg | 27 |
| | Package dimensions | WxHxD | mm | 995x258x750 |
| | Packaged weight | | kg | 32 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Rotary | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 850 |
| | Air flow | H/L | m ³ /hr | 2800 |
| | Sound power level | H/L | dB(A) | 65 |
| | Sound pressure level(3) | H/L | dB(A) | 55 |
| | Dimensions | WxHxD | mm | 848x540x320 |
| | Weight | | kg | 32 |
| | Package dimensions | WxHxD | mm | 878x590x360 |
| | Packaged weight | | kg | 37 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 1.1/5 |
| | Additional charge per 1 meter | | g/m | 30g/m |
| | Connections between units | Liquid line | In.(mm) | 1/4"(6.35) |
| Suction line | | In.(mm) | 3/8"(9.53) | |
| Max.tubing length | | m. | Max.20 | |
| Max.height | | m. | Max.15 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

- (1)Airflow in ducted units: at nominal external static pressure.
 (2)Sound power in ducted units is measured at air discharge.
 (3)Sound pressure level measured at 1-meter distance from unit.
 (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.2 DAF012 / YIF012
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | | | |
|-----------------------------------|---------------------------------|--------------|-----------------------|----------------|--|
| Model Indoor Unit | | | DAF012 | | |
| Model Outdoor Unit | | | YIF012 | | |
| Installation Method of Pipe | | | ducted | | |
| Characteristics | | Units | Cooling | Heating | |
| Capacity (4) | | Btu/hr | 11940 | 12280 | |
| | | kW | 3.5 | 3.6 | |
| Power input (4) | | kW | 1.2 | 1.1 | |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.91 | 3.27 | |
| Energy efficiency class | | | | | |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz | | |
| Rated current | | A | 5.4 | 4.9 | |
| Starting current | | A | | | |
| Circuit breaker rating (IDU/ODU) | | A | 6/13 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | | |
| | Fan speeds | H/M/L | RPM | 1110/910/760 | |
| | Air flow (1) | H/M/L | m3/hr | 600/540/490 | |
| | External static pressure | Min-Max | Pa | 25(0~25) | |
| | Sound power level (2) | H/M/L | dB(A) | 50/48/46 | |
| | Sound pressure level(3) | H/M/L | dB(A) | 40/38/36 | |
| | Moisture removal | | l/hr | 1.3 | |
| | Condensate drain tube I.D | | mm | 20 | |
| | Dimensions | WxHxD | mm | 913x220x680 | |
| | Weight | | kg | 27 | |
| | Package dimensions | WxHxD | mm | 995x258x750 | |
| | Packaged weight | | kg | 32 | |
| | Units per pallet | | units | | |
| | Stacking height | | units | | |
| OUTDOOR | Refrigerant control | | Capillary | | |
| | Compressor type, model | | Rotary | | |
| | Fan type & quantity | | Propeller(direct) x 1 | | |
| | Fan speeds | H/L | RPM | 900 | |
| | Air flow | H/L | m3/hr | 2800 | |
| | Sound power level | H/L | dB(A) | 66 | |
| | Sound pressure level(3) | H/L | dB(A) | 56 | |
| | Dimensions | WxHxD | mm | 848x540x320 | |
| | Weight | | kg | 32 | |
| | Package dimensions | WxHxD | mm | 878x590x360 | |
| | Packaged weight | | kg | 37 | |
| | Units per pallet | | Units | | |
| | Stacking height | | units | | |
| | Refrigerant type | | R410A | | |
| | Refrigerant chargeless distance | | kg/m | 1.0/5 | |
| | Additional charge per 1 meter | | g/m | 30g/m | |
| | Connections between units | Liquid line | ln.(mm) | 1/4"(6.35) | |
| Suction line | | ln.(mm) | 1/2"(12.7) | | |
| Max.tubing length | | m. | Max.20 | | |
| Max.height difference | | m. | Max.15 | | |
| Operation control type | | | Remote control | | |
| Heating elements (Option) | | kW | | | |
| Others | | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.3 DAF018 / YIF018

R410A

PRELIMINARY PRODUCT DATA SHEET

| Model Indoor Unit | | DAF018 | |
|-----------------------------------|---------------------------------|----------------|-----------------------|
| Model Outdoor Unit | | YIF018 | |
| Installation Method of Pipe | | ducted | |
| Characteristics | | Units | Cooling |
| Capacity (4) | | Btu/hr | 17060 |
| | | kW | 5.0 |
| Power input (4) | | kW | 2.1 |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.38 |
| Energy efficiency class | | | |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz |
| Rated current | | A | 9.4 |
| Starting current | | A | 8.1 |
| Circuit breaker rating (IDU/ODU) | | A | 6/20 |
| INDOOR | Fan type & quantity | | Centrifugal x 2 |
| | Fan speeds | H/M/L | RPM |
| | Air flow (1) | H/M/L | m3/hr |
| | External static pressure | Min-Max | Pa |
| | Sound power level (2) | H/M/L | dB(A) |
| | Sound pressure level(3) | H/M/L | dB(A) |
| | Moisture removal | | l/hr |
| | Condensate drain tube I.D | | mm |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | units |
| | Stacking height | | units |
| OUTDOOR | Refrigerant control | | Capillary |
| | Compressor type, model | | Rotary |
| | Fan type & quantity | | Propeller(direct) x 1 |
| | Fan speeds | H/L | RPM |
| | Air flow | H/L | m3/hr |
| | Sound power level | H/L | dB(A) |
| | Sound pressure level(3) | H/L | dB(A) |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | Units |
| | Stacking height | | units |
| | Refrigerant type | | R410A |
| | Refrigerant chargeless distance | | kg/m |
| | Additional charge per 1 meter | | g/m |
| | Connections between units | Liquid line | ln.(mm) |
| Suction line | | ln.(mm) | |
| Max.tubing length | | m. | |
| Max.height difference | | m. | |
| Operation control type | | Remote control | |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.4 DAF024 / YIF024

| | |
|--------------|---------------------------------------|
| R410A | PRELIMINARY PRODUCT DATA SHEET |
|--------------|---------------------------------------|

| | | | |
|-----------------------------------|---------------------------|-----------------------|----------------------|
| Model Indoor Unit | | DAF024 | |
| Model Outdoor Unit | | YIF024 | |
| Installation Method of Pipe | | ducted | |
| Characteristics | | Units | Cooling |
| Capacity (4) | | Btu/hr | 23880 |
| | | kW | 7.0 |
| Power input (4) | | kW | 2.66 |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.63 |
| Energy efficiency class | | | |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz |
| Rated current | | A | 11.9 |
| Starting current | | A | 11.3 |
| Circuit breaker rating (IDU/ODU) | | A | 6/25 |
| INDOOR | Fan type & quantity | | Centrifugal x 2 |
| | Fan speeds | H/M/L | RPM |
| | Air flow (1) | H/M/L | m3/hr |
| | External static pressure | Min-Max | Pa |
| | Sound power level (2) | H/M/L | dB(A) |
| | Sound pressure level(3) | H/M/L | dB(A) |
| | Moisture removal | | l/hr |
| | Condensate drain tube I.D | | mm |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | units |
| | Stacking height | | units |
| | OUTDOOR | Refrigerant control | |
| Compressor type, model | | Rotary | |
| Fan type & quantity | | Propeller(direct) x 1 | |
| Fan speeds | | H/L | RPM |
| Air flow | | H/L | m3/hr |
| Sound power level | | H/L | dB(A) |
| Sound pressure level(3) | | H/L | dB(A) |
| Dimensions | | WxHxD | mm |
| Weight | | | kg |
| Package dimensions | | WxHxD | mm |
| Packaged weight | | | kg |
| Units per pallet | | | Units |
| Stacking height | | | units |
| Refrigerant type | | R410A | |
| Refrigerant chargeless distance | | kg/m | |
| Additional charge per 1 meter | | g/m | |
| Connections between units | Liquid line | In.(mm) | 3/8"(9.53) |
| | Suction line | In.(mm) | 5/8"(15.88) |
| | Max.tubing length | m. | Max.30 |
| | Max.height | m. | Max.15 |
| Operation control type | | | Remote control |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
 (2)Sound power in ducted units is measured at air discharge.
 (3)Sound pressure level measured at 1-meter distance from unit.
 (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.5 DAF030 / YIF030

| R410A | | PRELIMINARY PRODUCT DATA SHEET | |
|-----------------------------------|---------------------------------|--------------------------------|-----------------------|
| Model Indoor Unit | | DAF030 | |
| Model Outdoor Unit | | YIF030 | |
| Installation Method of Pipe | | ducted | |
| Characteristics | Units | Cooling | Heating |
| Capacity (4) | Btu/hr | 28320 | 31050 |
| | kW | 8.3 | 9.1 |
| Power input (4) | kW | 3.00 | 3..00 |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.76 | 3.03 |
| Energy efficiency class | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | A | 13.4 | 13.4 |
| Starting current | A | | |
| Circuit breaker rating (IDU/ODU) | A | 6/30 | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 |
| | Fan speeds | H/M/L | RPM 1250/1220/1060 |
| | Air flow (1) | H/M/L | m3/hr 1400/1320/1200 |
| | External static pressure | Min-Max | Pa 37(0~50) |
| | Sound power level (2) | H/M/L | dB(A) 54/52/50 |
| | Sound pressure level(3) | H/M/L | dB(A) 44/42/40 |
| | Moisture removal | | l/hr 2.5 |
| | Condensate drain tube I.D | | mm 20 |
| | Dimensions | WxHxD | mm 1270x268x530 |
| | Weight | | kg 37 |
| | Package dimensions | WxHxD | mm 1345x283x594 |
| | Packaged weight | | kg 43 |
| | Units per pallet | | units |
| | Stacking height | | units |
| OUTDOOR | Refrigerant control | | Capillary |
| | Compressor type, mode | | Rotary |
| | Fan type & quantity | | Propeller(direct) x 1 |
| | Fan speeds | H/L | RPM 780 |
| | Air flow | H/L | m3/hr 4200 |
| | Sound power level | H/L | dB(A) 69 |
| | Sound pressure level(3) | H/L | dB(A) 59 |
| | Dimensions | WxHxD | mm 980x790x427 |
| | Weight | | kg 70 |
| | Package dimensions | WxHxD | mm 1080x840x485 |
| | Packaged weight | | kg 75 |
| | Units per pallet | | Units |
| | Stacking height | | units |
| | Refrigerant type | | R410A |
| | Refrigerant chargeless distance | | kg/m 3.6/5 |
| | Additional charge per 1 meter | | g/m 60g/m |
| | Connections between units | Liquid line | In.(mm) |
| Suction line | | In.(mm) | 5/8"(15.88) |
| Max.tubing length | | m. | Max.30 |
| Max.height | | m. | Max.15 |
| Operation control type | | Remote control | |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units: at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.6 DAF036 / YIF036
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | | | |
|-----------------------------------|---------------------------|-----------------------|-----------------|----------------|-----|
| Model Indoor Unit | | DAF036 | | | |
| Model Outdoor Unit | | YIF036 | | | |
| Installation Method of Pipe | | ducted | | | |
| Characteristics | Units | Cooling | Heating | | |
| Capacity (4) | Btu/hr | 34120 | 37530 | | |
| | kW | 10.0 | 11.0 | | |
| Power input (4) | kW | 4.00 | 3.50 | | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.50 | 3.14 | | |
| Energy efficiency class | | | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | | | |
| Rated current | A | 17.9 | 15.7 | | |
| Starting current | A | | | | |
| Circuit breaker rating (IDU/ODU) | A | 10/40 | | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | | |
| | Fan speeds | H/M/L | RPM | 1320/1090/910 | |
| | Air flow (1) | H/M/L | m3/hr | 2000/1650/1380 | |
| | External static pressure | Min-Max | Pa | 37(0~150) | |
| | Sound power level (2) | H/M/L | dB(A) | 60/58/56 | |
| | Sound pressure level(3) | H/M/L | dB(A) | 50/48/46 | |
| | Moisture removal | | | l/hr | 2.9 |
| | Condensate drain tube I.D | | | mm | 20 |
| | Dimensions | WxHxD | mm | 1251x290x744 | |
| | Weight | | | kg | 57 |
| | Package dimensions | WxHxD | mm | 1335x290x834 | |
| | Packaged weight | | | kg | 67 |
| | Units per pallet | | | units | |
| | Stacking height | | | units | |
| | OUTDOOR | Refrigerant control | | Capillary | |
| Compressor type, model | | Scroll | | | |
| Fan type & quantity | | Propeller(direct) x 1 | | | |
| Fan speeds | | H/L | RPM | 900 | |
| Air flow | | H/L | m3/hr | 4000 | |
| Sound power level | | H/L | dB(A) | 70 | |
| Sound pressure level(3) | | H/L | dB(A) | 60 | |
| Dimensions | | WxHxD | mm | 1018x840x412 | |
| Weight | | | | kg | 90 |
| Package dimensions | | WxHxD | mm | 1110x985x450 | |
| Packaged weight | | | | kg | 100 |
| Units per pallet | | | | Units | |
| Stacking height | | | | units | |
| Refrigerant type | | R410A | | | |
| Refrigerant chargeless distance | | kg/m | 3.2/5 | | |
| Additional charge per 1 meter | | g/m | 120g/m | | |
| Connections between units | | Liquid line | In.(mm) | 1/2"(12.7) | |
| | Suction line | In.(mm) | 3/4"(19.05) | | |
| | Max.tubing length | m. | Max.50 | | |
| | Max.height difference | m. | Max.30 | | |
| Operation control type | | Remote control | | | |
| Heating elements (Option) | | kW | | | |
| Others | | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.7 DAF036 / YIF036T

R410A

PRELIMINARY PRODUCT DATA SHEET

| Model Indoor Unit | | DAF036 | |
|-----------------------------------|---------------------------------|----------------|-----------------------|
| Model Outdoor Unit | | YIF036T | |
| Installation Method of Pipe | | ducted | |
| Characteristics | | Units | |
| Capacity (4) | | Btu/hr | 34120 |
| | | kW | 10.0 |
| Power input (4) | | kW | 4.00 |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.50 |
| Energy efficiency class | | | |
| Power supply | | V/Ph/Hz | 380-415V/3 Ph/50Hz |
| Rated current | | A | |
| Starting current | | A | |
| Circuit breaker rating (IDU/ODU) | | A | 10/16 |
| INDOOR | Fan type & quantity | | Centrifugal x 2 |
| | Fan speeds | H/M/L | RPM |
| | Air flow (1) | H/M/L | m3/hr |
| | External static pressure | Min-Max | Pa |
| | Sound power level (2) | H/M/L | dB(A) |
| | Sound pressure level(3) | H/M/L | dB(A) |
| | Moisture removal | | l/hr |
| | Condensate drain tube I.D | | mm |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | units |
| | Stacking height | | units |
| OUTDOOR | Refrigerant control | | Capillary |
| | Compressor type, model | | Scroll |
| | Fan type & quantity | | Propeller(direct) x 1 |
| | Fan speeds | H/L | RPM |
| | Air flow | H/L | m3/hr |
| | Sound power level | H/L | dB(A) |
| | Sound pressure level(3) | H/L | dB(A) |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | Units |
| | Stacking height | | units |
| | Refrigerant type | | R410A |
| | Refrigerant chargeless distance | | kg/m |
| | Additional charge per 1 meter | | g/m |
| | Connections between units | Liquid line | ln.(mm) |
| Suction line | | ln.(mm) | |
| Max.tubing length | | m. | |
| Max.height | | m. | |
| Operation control type | | Remote control | |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.8 DAF042 / YIF042

| | |
|--------------|---------------------------------------|
| R410A | PRELIMINARY PRODUCT DATA SHEET |
|--------------|---------------------------------------|

| | | | | |
|-----------------------------------|---------------------------------|-----------------------|----------------|----------------|
| Model Indoor Unit | | DAF042 | | |
| Model Outdoor Unit | | YIF042T | | |
| Installation Method of Pipe | | ducted | | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 40940 | 47770 | |
| | kW | 12.0 | 14.0 | |
| Power input (4) | kW | 5.3 | 4.9 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.26 | 2.85 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 380-415V/3 Ph/50Hz | | |
| Rated current | A | | | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 10/20 | | |
| INDOOR | Fan type & quantity | Centrifugal x 2 | | |
| | Fan speeds | H/M/L | RPM | 1320/1090/910 |
| | Air flow (1) | H/M/L | m3/hr | 2000/1650/1380 |
| | External static pressure | Min-Max | Pa | 37(0~150) |
| | Sound power level (2) | H/M/L | dB(A) | 60/58/56 |
| | Sound pressure level(3) | H/M/L | dB(A) | 50/48/46 |
| | Moisture removal | | l/hr | 4.3 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1251x290x744 |
| | Weight | | kg | 57 |
| | Package dimensions | WxHxD | mm | 1335x290x834 |
| | Packaged weight | | kg | 67 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | Capillary | | |
| | Compressor type, model | Scroll | | |
| | Fan type & quantity | Propeller(direct) x 2 | | |
| | Fan speeds | H/L | RPM | 840 |
| | Air flow | H/L | m3/hr | 6000 |
| | Sound power level | H/L | dB(A) | 70 |
| | Sound pressure level(3) | H/L | dB(A) | 60 |
| | Dimensions | WxHxD | mm | 950x1250x412 |
| | Weight | | kg | 112 |
| | Package dimensions | WxHxD | mm | 1110x1385x450 |
| | Packaged weight | | kg | 123 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 3.55/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| | Connections between units | Liquid line | In.(mm) | 1/2"(12.7) |
| Suction line | | In.(mm) | 3/4"(19.05) | |
| Max.tubing length | | m. | Max.50 | |
| Max.height | | m. | Max.30 | |
| Operation control type | | Remote control | | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.9 DAF060 / YIF060

R410A

PRELIMINARY PRODUCT DATA SHEET

| Model Indoor Unit | | DAF060 | | |
|-----------------------------------|---------------------------------|--------------------|-----------------------|---------------|
| Model Outdoor Unit | | YIF060T | | |
| Installation Method of Pipe | | ducted | | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 54590 | 63120 | |
| | kW | 16.0 | 18.5 | |
| Power input (4) | kW | 6.5 | 5.5 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.46 | 3.36 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 380-415V/3 Ph/50Hz | | |
| Rated current | A | | | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 10/20 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1320/1090/910 |
| | Air flow (1) | H/M/L | m3/hr | 2500/-/- |
| | External static pressure | Min-Max | Pa | 37(0~150) |
| | Sound power level (2) | H/M/L | dB(A) | 63/60/58 |
| | Sound pressure level(3) | H/M/L | dB(A) | 53/50/48 |
| | Moisture removal | | l/hr | 4.7 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1251x330x788 |
| | Weight | | kg | 66 |
| | Package dimensions | WxHxD | mm | 1334x330x882 |
| | Packaged weight | | kg | 76 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Scroll | |
| | Fan type & quantity | | Propeller(direct) x 2 | |
| | Fan speeds | H/L | RPM | 940 |
| | Air flow | H/L | m3/hr | 6000 |
| | Sound power level | H/L | dB(A) | 74 |
| | Sound pressure level(3) | H/L | dB(A) | 64 |
| | Dimensions | WxHxD | mm | 950x1250x412 |
| | Weight | | kg | 123 |
| | Package dimensions | WxHxD | mm | 1110x1385x450 |
| | Packaged weight | | kg | 134 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 5.0/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| | Connections between units | Liquid line | ln.(mm) | 1/2"(12.7) |
| Suction line | | ln.(mm) | 3/4"(19.05) | |
| Max.tubing length | | m. | Max.50 | |
| Max.height difference | | m. | Max.30 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.10 FAF012 / YIF012
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | | | |
|-----------------------------------|---------------------------------|----------------|-----------------------|----------------|-------------|
| Model Indoor Unit | | | FAF012 | | |
| Model Outdoor Unit | | | YIF012 | | |
| Installation Method of Pipe | | | Floor / Ceiling | | |
| Characteristics | | Units | Cooling | Heating | |
| Capacity (4) | | Btu/hr | 11940 | 12280 | |
| | | kW | 3.5 | 3.6 | |
| Power input (4) | | kW | 1.17 | 1.10 | |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.99 | 3.27 | |
| Energy efficiency class | | | C | C | |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz | | |
| Rated current | | A | 5.24 | 4.93 | |
| Starting current | | A | | | |
| Circuit breaker rating (IDU/ODU) | | A | 6/16 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | | |
| | Fan speeds | | H/M/L | RPM | 790/670/550 |
| | Air flow (1) | | H/M/L | m3/hr | 790/670/550 |
| | External static pressure | | Min-Max | Pa | 0 |
| | Sound power level (2) | | H/M/L | dB(A) | 56/54/51 |
| | Sound pressure level(3) | | H/M/L | dB(A) | 46/44/41 |
| | Moisture removal | | l/hr | 1.2 | |
| | Condensate drain tube I.D | | mm | 20 | |
| | Dimensions | | WxHxD | mm 836/238/695 | |
| | Weight | | kg | 27 | |
| | Package dimensions | | WxHxD | mm 935/295/805 | |
| | Packaged weight | | kg | 35.5 | |
| | Units per pallet | | units | | |
| | Stacking height | | units | | |
| OUTDOOR | Refrigerant control | | Capillary | | |
| | Compressor type, model | | Rotary | | |
| | Fan type & quantity | | Propeller(direct) x 1 | | |
| | Fan speeds | | H/L | RPM | 900 |
| | Air flow | | H/L | m3/hr | 2800 |
| | Sound power level | | H/L | dB(A) | 66 |
| | Sound pressure level(3) | | H/L | dB(A) | 56 |
| | Dimensions | | WxHxD | mm 840x540x320 | |
| | Weight | | kg | 32 | |
| | Package dimensions | | WxHxD | mm 878x590x360 | |
| | Packaged weight | | kg | 37 | |
| | Units per pallet | | Units | | |
| | Stacking height | | units | | |
| | Refrigerant type | | R410A | | |
| | Refrigerant chargeless distance | | kg/m | 1.0/5 | |
| | Additional charge per 1 meter | | g/m | 30g/m | |
| Connections between units | Liquid line | In.(mm) | 1/4"(6.35) | | |
| | Suction line | In.(mm) | 1/2"(12.7) | | |
| | Max.tubing length | m. | Max.20 | | |
| | Max.height difference | m. | Max.15 | | |
| Operation control type | | Remote control | | | |
| Heating elements (Option) | | kW | | | |
| Others | | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.11 FAF018 / YIF018

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|----------------------|-----------------------|--------------|
| Model Indoor Unit | | | FAF018 | |
| Model Outdoor Unit | | | YIF018 | |
| Installation Method of Pipe | | | Floor / Ceiling | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 17060 | 19450 | |
| | kW | 5.0 | 5.7 | |
| Power input (4) | kW | 2.03 | 2.07 | |
| EER (Cooling) or COP(Heating) (4) | W/W | E | E | |
| Energy efficiency class | | 1.10 | 1.23 | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | | |
| Rated current | A | 1.10 | 1.23 | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 6/20 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1070/970/870 |
| | Air flow (1) | H/M/L | m3/hr | 1070/970/700 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 64/60/56 |
| | Sound pressure level(3) | H/M/L | dB(A) | 54/50/46 |
| | Moisture removal | | l/hr | 1.9 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 836x238x695 |
| | Weight | | kg | 27 |
| | Package dimensions | WxHxD | mm | 935x295x805 |
| | Packaged weight | | kg | 35.5 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Rotary | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 900 |
| | Air flow | H/L | m3/hr | 2800 |
| | Sound power level | H/L | dB(A) | 66 |
| | Sound pressure level(3) | H/L | dB(A) | 56 |
| | Dimensions | WxHxD | mm | 848x540x320 |
| | Weight | | kg | 40 |
| | Package dimensions | WxHxD | mm | 878x590x360 |
| | Packaged weight | | kg | 45 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 1.5/5 |
| | Additional charge per 1 meter | | g/m | 30g/m |
| | Connections between units | Liquid line | ln.(mm) | 1/4"(6.35) |
| Suction line | | ln.(mm) | 1/2"(12.7) | |
| Max.tubing length | | m. | Max.20 | |
| Max.height difference | | m. | Max.15 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.12 FAF024 / YIF024
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|----------------------|-----------------------|----------------|
| Model Indoor Unit | | | FAF024 | |
| Model Outdoor Unit | | | YIF024 | |
| Installation Method of Pipe | | | Floor / Ceiling | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 23880 | 27300 | |
| | kW | 7.0 | 8.0 | |
| Power input (4) | kW | 2.61 | 2.59 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.68 | 3.08 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | | |
| Rated current | A | 11.7 | 11.6 | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 6/25 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1360/1280/1240 |
| | Air flow (1) | H/M/L | m3/hr | 1170/1080/1000 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 60/58/56 |
| | Sound pressure level(3) | H/M/L | dB(A) | 50/48/46 |
| | Moisture removal | | l/hr | 2.35 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1300X188X600 |
| | Weight | | kg | 32 |
| | Package dimensions | WxHxD | mm | 1414X248X724 |
| | Packaged weight | | kg | 36 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Rotary | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 940 |
| | Air flow | H/L | m3/hr | 3200 |
| | Sound power level | H/L | dB(A) | 69 |
| | Sound pressure level(3) | H/L | dB(A) | 59 |
| | Dimensions | WxHxD | mm | 1018x700x412 |
| | Weight | | kg | 59 |
| | Package dimensions | WxHxD | mm | 1100x755x450 |
| | Packaged weight | | kg | 64 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 2.2/5 |
| | Additional charge per 1 meter | | g/m | 60g/m |
| Connections between units | Liquid line | In.(mm) | 3/8"(9.53) | |
| | Suction line | In.(mm) | 5/8"(15.88) | |
| | Max.tubing length | m. | Max.30 | |
| | Max.height difference | m. | Max.15 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.13 FAF030 / YIF030

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|----------------|-----------------------|----------------|
| Model Indoor Unit | | | FAF030 | |
| Model Outdoor Unit | | | YIF030 | |
| Installation Method of Pipe | | | Floor / Ceiling | |
| Characteristics | | Units | Cooling | Heating |
| Capacity (4) | | Btu/hr | 30030 | 33440 |
| | | kW | 8.8 | 9.8 |
| Power input (4) | | kW | 3.00 | 2.85 |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.93 | 3.43 |
| Energy efficiency class | | | | |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | | A | 13.4 | 12.8 |
| Starting current | | A | | |
| Circuit breaker rating (IDU/ODU) | | A | 6/30 | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1025/965/890 |
| | Air flow (1) | H/M/L | m3/hr | 1600/1450/1300 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 62/61/59 |
| | Sound pressure level(3) | H/M/L | dB(A) | 52/51/49 |
| | Moisture removal | | l/hr | 2.3 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1420×245×700 |
| | Weight | | kg | 50 |
| | Package dimensions | WxHxD | mm | 1545×330×825 |
| | Packaged weight | | kg | 59 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Rotary | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 780 |
| | Air flow | H/L | m3/hr | 4200 |
| | Sound power level | H/L | dB(A) | 69 |
| | Sound pressure level(3) | H/L | dB(A) | 59 |
| | Dimensions | WxHxD | mm | 980x790x427 |
| | Weight | | kg | 70 |
| | Package dimensions | WxHxD | mm | 1080x840x485 |
| | Packaged weight | | kg | 75 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | R410A | |
| | Refrigerant chargeless distance | | kg/m | 3.6/5 |
| | Additional charge per 1 meter | | g/m | 60g/m |
| | Connections between units | Liquid line | In.(mm) | 3/8"(9.53) |
| Suction line | | In.(mm) | 5/8"(15.88) | |
| Max.tubing length | | m. | Max.30 | |
| Max.height difference | | m. | Max.15 | |
| Operation control type | | Remote control | | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.14 FAF036 / YIF036
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|----------------|-----------------------|----------------|
| Model Indoor Unit | | | FAF036 | |
| Model Outdoor Unit | | | YIF036 | |
| Installation Method of Pipe | | | Floor / Ceiling | |
| Characteristics | | Units | Cooling | Heating |
| Capacity (4) | | Btu/hr | 34120 | 37530 |
| | | kW | 10.0 | 11.0 |
| Power input (4) | | kW | 3.60 | 3.30 |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.50 | 3.14 |
| Energy efficiency class | | | 2.77 | 3.33 |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | | A | 16.1 | 14.8 |
| Starting current | | A | | |
| Circuit breaker rating (IDU/ODU) | | A | 6/40 | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1100/1000/930 |
| | Air flow (1) | H/M/L | m3/hr | 1800/1630/1520 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 64/61/58 |
| | Sound pressure level(3) | H/M/L | dB(A) | 54/51/48 |
| | Moisture removal | | l/hr | 2.9 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1590X238X695 |
| | Weight | | kg | 42 |
| | Package dimensions | WxHxD | mm | 1714X330X830 |
| | Packaged weight | | kg | 51 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Scroll | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 900 |
| | Air flow | H/L | m3/hr | 4000 |
| | Sound power level | H/L | dB(A) | 70 |
| | Sound pressure level(3) | H/L | dB(A) | 60 |
| | Dimensions | WxHxD | mm | 1018x840x412 |
| | Weight | | kg | 90 |
| | Package dimensions | WxHxD | mm | 1110x985x450 |
| | Packaged weight | | kg | 100 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | R410A | |
| | Refrigerant chargeless distance | | kg/m | 3.2/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| | Connections between units | Liquid line | In.(mm) | 1/2"(12.7) |
| Suction line | | In.(mm) | 3/4"(19.05) | |
| Max.tubing length | | m. | Max.50 | |
| Max.height difference | | m. | Max.30 | |
| Operation control type | | Remote control | | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.15 FAF036 / YIF036T

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|--------------------|-----------------------|----------------|
| Model Indoor Unit | | FAF036 | | |
| Model Outdoor Unit | | YIF036T | | |
| Installation Method of Pipe | | Floor / Ceiling | | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 34120 | 36780 | |
| | kW | 10.0 | 10.78 | |
| Power input (4) | kW | 3.60 | 3.30 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.77 | 3.26 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 380-415V/3 Ph/50Hz | | |
| Rated current | A | 16.1 | 14.8 | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 6/16 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1100/1000/930 |
| | Air flow (1) | H/M/L | m3/hr | 1800/1630/1520 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 64/61/58 |
| | Sound pressure level(3) | H/M/L | dB(A) | 54/51/48 |
| | Moisture removal | | l/hr | 2.9 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1590X238X695 |
| | Weight | | kg | 42 |
| | Package dimensions | WxHxD | mm | 1714X330X830 |
| | Packaged weight | | kg | 51 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Scroll | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 900 |
| | Air flow | H/L | m3/hr | 4000 |
| | Sound power level | H/L | dB(A) | 70 |
| | Sound pressure level(3) | H/L | dB(A) | 60 |
| | Dimensions | WxHxD | mm | 1018x840x412 |
| | Weight | | kg | 90 |
| | Package dimensions | WxHxD | mm | 1110x985x450 |
| | Packaged weight | | kg | 100 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 3.2/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| Connections between units | Liquid line | In.(mm) | 1/2"(12.7) | |
| | Suction line | In.(mm) | 3/4"(19.05) | |
| | Max.tubing length | m. | Max.50 | |
| | Max.height difference | m. | Max.30 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.16 FAF042 / YIF042
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|--------------------|-----------------------|----------------|
| Model Indoor Unit | | FAF042 | | |
| Model Outdoor Unit | | YIF042T | | |
| Installation Method of Pipe | | Floor / Ceiling | | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 40940 | 47770 | |
| | kW | 12.0 | 14.0 | |
| Power input (4) | kW | 4.8 | 4.7 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.50 | 2.97 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 380-415V/3 Ph/50Hz | | |
| Rated current | A | 21.5 | 21.1 | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 6/16 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 2 | |
| | Fan speeds | H/M/L | RPM | 1100/1000/930 |
| | Air flow (1) | H/M/L | m ³ /hr | 1800/1630/1520 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 64/61/58 |
| | Sound pressure level(3) | H/M/L | dB(A) | 54/51/48 |
| | Moisture removal | | l/hr | 4.3 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 1590X238X695 |
| | Weight | | kg | 42 |
| | Package dimensions | WxHxD | mm | 1714X330X830 |
| | Packaged weight | | kg | 51 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Scroll | |
| | Fan type & quantity | | Propeller(direct) x 2 | |
| | Fan speeds | H/L | RPM | 840 |
| | Air flow | H/L | m ³ /hr | 6000 |
| | Sound power level | H/L | dB(A) | 70 |
| | Sound pressure level(3) | H/L | dB(A) | 60 |
| | Dimensions | WxHxD | mm | 950x1250x412 |
| | Weight | | kg | 112 |
| | Package dimensions | WxHxD | mm | 1110x1385x450 |
| | Packaged weight | | kg | 123 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 3.55/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| | Connections between units | Liquid line | In.(mm) | 1/2"(12.7) |
| Suction line | | In.(mm) | 3/4"(19.05) | |
| Max.tubing length | | m. | Max.50 | |
| Max.height | | m. | Max.30 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.17 CAF012 / YIF012

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | |
|-----------------------------------|---------------------------------|----------------------|-----------------------|
| Model Indoor Unit | | CAF012 | |
| Model Outdoor Unit | | YIF012 | |
| Installation Method of Pipe | | Flared | |
| Characteristics | Units | Cooling | Heating |
| Capacity (4) | Btu/hr | 11940 | 12280 |
| | kW | 3.5 | 3.6 |
| Power input (4) | kW | 1.17 | 1.1 |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.99 | 3.27 |
| Energy efficiency class | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | A | 5.2 | 4.9 |
| Starting current | A | | |
| Circuit breaker rating (IDU/ODU) | A | 6/13 | |
| INDOOR | Fan type & quantity | | Centrifugal x 1 |
| | Fan speeds | H/M/L | RPM 820/720/620 |
| | Air flow (1) | H/M/L | m3/hr 550/490/420 |
| | External static pressure | Min-Max | Pa 0 |
| | Sound power level (2) | H/M/L | dB(A) 57/55/53 |
| | Sound pressure level(3) | H/M/L | dB(A) 47/45/43 |
| | Moisture removal | | l/hr 1.1 |
| | Condensate drain tube I.D | | mm 20 |
| | Dimensions | WxHxD | mm 600×230×600 |
| | Weight | | kg 20 |
| | Package dimensions | WxHxD | mm 848×310×678 |
| | Packaged weight | | kg 27 |
| | Units per pallet | | units |
| | Stacking height | | units |
| OUTDOOR | Refrigerant control | | Capillary |
| | Compressor type, model | | Rotary |
| | Fan type & quantity | | Propeller(direct) x 1 |
| | Fan speeds | H/L | RPM 900 |
| | Air flow | H/L | m3/hr 2800 |
| | Sound power level | H/L | dB(A) 66 |
| | Sound pressure level(3) | H/L | dB(A) 56 |
| | Dimensions | WxHxD | mm 848x540x320 |
| | Weight | | kg 32 |
| | Package dimensions | WxHxD | mm 878x590x360 |
| | Packaged weight | | kg 37 |
| | Units per pallet | | Units |
| | Stacking height | | units |
| | Refrigerant type | | R410A |
| | Refrigerant chargeless distance | | kg/m 1.0/5 |
| | Additional charge per 1 meter | | g/m 30g/m |
| | Connections between units | Liquid line | ln.(mm) |
| Suction line | | ln.(mm) | 1/2"(12.7) |
| Max.tubing length | | m. | Max.20 |
| Max.height difference | | m. | Max.15 |
| Operation control type | | Remote control | |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units: at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.18 CAF018 / YIF018

| | |
|--------------|---------------------------------------|
| R410A | PRELIMINARY PRODUCT DATA SHEET |
|--------------|---------------------------------------|

| | | | | |
|-----------------------------------|---------------------------------|--------------|-------------------------------|-------------|
| Model Indoor Unit | | CAF018 | | |
| Model Outdoor Unit | | YIF018 | | |
| Installation Method of Pipe | | Flared | | |
| Characteristics | | Units | Cooling Heating | |
| Capacity (4) | | Btu/hr | 17060 19450 | |
| | | kW | 5.0 5.7 | |
| Power input (4) | | kW | 2.00 1.90 | |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.38 3.16 | |
| Energy efficiency class | | | 2.50 3.00 | |
| Power supply | | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | | A | 9.0 8.5 | |
| Starting current | | A | | |
| Circuit breaker rating (IDU/ODU) | | A | 6/20 | |
| INDOOR | Fan type & quantity | | Centrifugal x 1 | |
| | Fan speeds | H/M/L | RPM | 820/720/620 |
| | Air flow (1) | H/M/L | m3/hr | 550/490/420 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 57/55/53 |
| | Sound pressure level(3) | H/M/L | dB(A) | 47/45/43 |
| | Moisture removal | | l/hr | 1.9 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 600×230×600 |
| | Weight | | kg | 20 |
| | Package dimensions | WxHxD | mm | 848×310×678 |
| | Packaged weight | | kg | 27 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Rotary | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 900 |
| | Air flow | H/L | m3/hr | 2800 |
| | Sound power level | H/L | dB(A) | 66 |
| | Sound pressure level(3) | H/L | dB(A) | 56 |
| | Dimensions | WxHxD | mm | 848x540x320 |
| | Weight | | kg | 40 |
| | Package dimensions | WxHxD | mm | 878x590x360 |
| | Packaged weight | | kg | 45 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 1.5/5 |
| | Additional charge per 1 meter | | g/m | 30g/m |
| | Connections between units | Liquid line | In.(mm) | 1/4"(6.35) |
| Suction line | | In.(mm) | 1/2"(12.7) | |
| Max.tubing length | | m. | Max.20 | |
| Max.height | | m. | Max.15 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.19 CAF024 / YIF024

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | |
|-----------------------------------|---------------------------------|----------------------|-----------------------|
| Model Indoor Unit | | CAF024 | |
| Model Outdoor Unit | | YIF024 | |
| Installation Method of Pipe | | Flared | |
| Characteristics | Units | Cooling | Heating |
| Capacity (4) | Btu/hr | 23200 | 25590 |
| | kW | 6.8 | 7.5 |
| Power input (4) | kW | 2.62 | 2.50 |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.63 | 3.18 |
| Energy efficiency class | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | A | 11.7 | 11.2 |
| Starting current | A | | |
| Circuit breaker rating (IDU/ODU) | A | 6/25 | |
| INDOOR | Fan type & quantity | | Centrifugal x 1 |
| | Fan speeds | H/M/L | RPM 600/550/500 |
| | Air flow (1) | H/M/L | m3/hr 1180/1080/1000 |
| | External static pressure | Min-Max | Pa 0 |
| | Sound power level (2) | H/M/L | dB(A) 57/55/53 |
| | Sound pressure level(3) | H/M/L | dB(A) 47/45/43 |
| | Moisture removal | | l/hr 2.35 |
| | Condensate drain tube I.D | | mm 20 |
| | Dimensions | WxHxD | mm 840×260×840 |
| | Weight | | kg 30 |
| | Package dimensions | WxHxD | mm 960×310×960 |
| | Packaged weight | | kg 38 |
| | Units per pallet | | units |
| | Stacking height | | units |
| OUTDOOR | Refrigerant control | | Capillary |
| | Compressor type, model | | Rotary |
| | Fan type & quantity | | Propeller(direct) x 1 |
| | Fan speeds | H/L | RPM 940 |
| | Air flow | H/L | m3/hr 3200 |
| | Sound power level | H/L | dB(A) 69 |
| | Sound pressure level(3) | H/L | dB(A) 59 |
| | Dimensions | WxHxD | mm 1018x700x412 |
| | Weight | | kg 59 |
| | Package dimensions | WxHxD | mm 1100x755x450 |
| | Packaged weight | | kg 64 |
| | Units per pallet | | Units |
| | Stacking height | | units |
| | Refrigerant type | | R410A |
| | Refrigerant chargeless distance | | kg/m 2.2/5 |
| | Additional charge per 1 meter | | g/m 60g/m |
| Connections between units | Liquid line | ln.(mm) | 3/8"(9.53) |
| | Suction line | ln.(mm) | 5/8"(15.88) |
| | Max.tubing length | m. | Max.30 |
| | Max.height | m. | Max.15 |
| Operation control type | | Remote control | |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.20 CAF030 / YIF030
R410A
PRELIMINARY PRODUCT DATA SHEET

| | | | |
|-----------------------------------|---------------------------|-----------------------|-------------------------|
| Model Indoor Unit | | | CAF030 |
| Model Outdoor Unit | | | YIF030 |
| Installation Method of Pipe | | | Flared |
| Characteristics | Units | Cooling | Heating |
| Capacity (4) | Btu/hr | 28320 | 30030 |
| | kW | 8.3 | 8.8 |
| Power input (4) | kW | 2.90 | 3.15 |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.86 | 2.79 |
| Energy efficiency class | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | |
| Rated current | A | 13.0 | 14.1 |
| Starting current | A | | |
| Circuit breaker rating (IDU/ODU) | A | 6/30 | |
| INDOOR | Fan type & quantity | | Centrifugal x 1 |
| | Fan speeds | H/M/L | RPM 670/620/570 |
| | Air flow (1) | H/M/L | m3/hr 1400/1270/1170 |
| | External static pressure | Min-Max | Pa 0 |
| | Sound power level (2) | H/M/L | dB(A) 61/59/58 |
| | Sound pressure level(3) | H/M/L | dB(A) 51/49/48 |
| | Moisture removal | | l/hr 2.7 |
| | Condensate drain tube I.D | | mm 20 |
| | Dimensions | WxHxD | mm 840×260×840 |
| | Weight | | kg 27 |
| | Package dimensions | WxHxD | mm 960×310×960 |
| | Packaged weight | | kg 36 |
| | Units per pallet | | units |
| | Stacking height | | units |
| | OUTDOOR | Refrigerant control | |
| Compressor type, model | | Rotary | |
| Fan type & quantity | | Propeller(direct) x 1 | |
| Fan speeds | | H/L | RPM 780 |
| Air flow | | H/L | m3/hr 4200 |
| Sound power level | | H/L | dB(A) 69 |
| Sound pressure level(3) | | H/L | dB(A) 59 |
| Dimensions | | WxHxD | mm 980x790x427 |
| Weight | | | kg 70 |
| Package dimensions | | WxHxD | mm 1080x840x485 |
| Packaged weight | | | kg 75 |
| Units per pallet | | | Units |
| Stacking height | | | units |
| Refrigerant type | | R410A | |
| Refrigerant chargeless distance | | kg/m 3.6/5 | |
| Additional charge per 1 meter | | g/m 60g/m | |
| Connections between units | | Liquid line | In.(mm) |
| | Suction line | In.(mm) | 5/8"(15.88) |
| | Max.tubing length | m. | Max.30 |
| | Max.height difference | m. | Max.15 |
| Operation control type | | | Remote control |
| Heating elements (Option) | | kW | |
| Others | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.21 CAF036 / YIF036

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | | |
|-----------------------------------|---------------------------------|----------------------|-----------------------|----------------|
| Model Indoor Unit | | | CAF036 | |
| Model Outdoor Unit | | | YIF036 | |
| Installation Method of Pipe | | | Flared | |
| Characteristics | Units | Cooling | Heating | |
| Capacity (4) | Btu/hr | 34120 | 37530 | |
| | kW | 10.0 | 11.0 | |
| Power input (4) | kW | 3.60 | 3.30 | |
| EER (Cooling) or COP(Heating) (4) | W/W | 2.77 | 3.33 | |
| Energy efficiency class | | | | |
| Power supply | V/Ph/Hz | 220-240V/Single/50Hz | | |
| Rated current | A | 16.1 | 14.8 | |
| Starting current | A | | | |
| Circuit breaker rating (IDU/ODU) | A | 6/40 | | |
| INDOOR | Fan type & quantity | | Centrifugal x 1 | |
| | Fan speeds | H/M/L | RPM | 710/660/610 |
| | Air flow (1) | H/M/L | m3/hr | 1660/1570/1500 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 63/61/58 |
| | Sound pressure level(3) | H/M/L | dB(A) | 53/51/48 |
| | Moisture removal | | l/hr | 2.9 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 840X320X840 |
| | Weight | | kg | 38 |
| | Package dimensions | WxHxD | mm | 960X394X960 |
| | Packaged weight | | kg | 46 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Scroll | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 900 |
| | Air flow | H/L | m3/hr | 4000 |
| | Sound power level | H/L | dB(A) | 70 |
| | Sound pressure level(3) | H/L | dB(A) | 60 |
| | Dimensions | WxHxD | mm | 1018x840x412 |
| | Weight | | kg | 90 |
| | Package dimensions | WxHxD | mm | 1110x985x450 |
| | Packaged weight | | kg | 100 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 3.2/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| | Connections between units | Liquid line | In.(mm) | 1/2"(12.7) |
| Suction line | | In.(mm) | 3/4"(19.05) | |
| Max.tubing length | | m. | Max.50 | |
| Max.height difference | | m. | Max.30 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

- (1)Airflow in ducted units; at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.22 CAF036 / YIF036T

| | |
|--------------|---------------------------------------|
| R410A | PRELIMINARY PRODUCT DATA SHEET |
|--------------|---------------------------------------|

| | | | | |
|-----------------------------------|---------------------------------|--------------|-------------------------------|----------------|
| Model Indoor Unit | | CAF036 | | |
| Model Outdoor Unit | | YIF036T | | |
| Installation Method of Pipe | | Flared | | |
| Characteristics | | Units | Cooling Heating | |
| Capacity (4) | | Btu/hr | 34120 37530 | |
| | | kW | 10.0 11.0 | |
| Power input (4) | | kW | 3.60 3.10 | |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.77 3.54 | |
| Energy efficiency class | | | | |
| Power supply | | V/Ph/Hz | 380-415V/3 Ph/50Hz | |
| Rated current | | A | 16.1 13.9 | |
| Starting current | | A | | |
| Circuit breaker rating (IDU/ODU) | | A | 6/16 | |
| INDOOR | Fan type & quantity | | Centrifugal x 1 | |
| | Fan speeds | H/M/L | RPM | 710/660/610 |
| | Air flow (1) | H/M/L | m ³ /hr | 1660/1570/1500 |
| | External static pressure | Min-Max | Pa | 0 |
| | Sound power level (2) | H/M/L | dB(A) | 63/61/58 |
| | Sound pressure level(3) | H/M/L | dB(A) | 53/51/48 |
| | Moisture removal | | l/hr | 2.9 |
| | Condensate drain tube I.D | | mm | 20 |
| | Dimensions | WxHxD | mm | 840X320X840 |
| | Weight | | kg | 38 |
| | Package dimensions | WxHxD | mm | 960X394X960 |
| | Packaged weight | | kg | 46 |
| | Units per pallet | | units | |
| | Stacking height | | units | |
| OUTDOOR | Refrigerant control | | Capillary | |
| | Compressor type, model | | Scroll | |
| | Fan type & quantity | | Propeller(direct) x 1 | |
| | Fan speeds | H/L | RPM | 900 |
| | Air flow | H/L | m ³ /hr | 4000 |
| | Sound power level | H/L | dB(A) | 70 |
| | Sound pressure level(3) | H/L | dB(A) | 60 |
| | Dimensions | WxHxD | mm | 1018x840x412 |
| | Weight | | kg | 90 |
| | Package dimensions | WxHxD | mm | 1110x985x450 |
| | Packaged weight | | kg | 100 |
| | Units per pallet | | Units | |
| | Stacking height | | units | |
| | Refrigerant type | | | R410A |
| | Refrigerant chargeless distance | | kg/m | 3.2/5 |
| | Additional charge per 1 meter | | g/m | 120g/m |
| | Connections between units | Liquid line | In.(mm) | 1/2"(12.7) |
| Suction line | | In.(mm) | 3/4"(19.05) | |
| Max.tubing length | | m. | Max.50 | |
| Max.height | | m. | Max.30 | |
| Operation control type | | | Remote control | |
| Heating elements (Option) | | kW | | |
| Others | | | | |

(1)Airflow in ducted units; at nominal external static pressure.

(2)Sound power in ducted units is measured at air discharge.

(3)Sound pressure level measured at 1-meter distance from unit.

(4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

2.23 CAF042 / YIF042

R410A

PRELIMINARY PRODUCT DATA SHEET

| | | | |
|-----------------------------------|---------------------------------|----------------|-----------------------|
| Model Indoor Unit | | CAF042 | |
| Model Outdoor Unit | | YIF042T | |
| Installation Method of Pipe | | Flared | |
| Characteristics | | Units | Cooling |
| | | | Heating |
| Capacity (4) | | Btu/hr | 40940 |
| | | kW | 12.0 |
| Power input (4) | | kW | 4.8 |
| EER (Cooling) or COP(Heating) (4) | | W/W | 2.50 |
| Energy efficiency class | | | |
| Power supply | | V/Ph/Hz | 380-415V/3 Ph/50Hz |
| Rated current | | A | 21.5 |
| Starting current | | A | 22.4 |
| Circuit breaker rating (IDU/ODU) | | A | 6/20 |
| INDOOR | Fan type & quantity | | Centrifugal x 1 |
| | Fan speeds | H/M/L | RPM |
| | Air flow (1) | H/M/L | m3/hr |
| | External static pressure | Min-Max | Pa |
| | Sound power level (2) | H/M/L | dB(A) |
| | Sound pressure level(3) | H/M/L | dB(A) |
| | Moisture removal | | l/hr |
| | Condensate drain tube I.D | | mm |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | units |
| | Stacking height | | units |
| OUTDOOR | Refrigerant control | | Capillary |
| | Compressor type, model | | Scroll |
| | Fan type & quantity | | Propeller(direct) x 2 |
| | Fan speeds | H/L | RPM |
| | Air flow | H/L | m3/hr |
| | Sound power level | H/L | dB(A) |
| | Sound pressure level(3) | H/L | dB(A) |
| | Dimensions | WxHxD | mm |
| | Weight | | kg |
| | Package dimensions | WxHxD | mm |
| | Packaged weight | | kg |
| | Units per pallet | | Units |
| | Stacking height | | units |
| | Refrigerant type | | R410A |
| | Refrigerant chargeless distance | | kg/m |
| | Additional charge per 1 meter | | g/m |
| | Connections between units | Liquid line | ln.(mm) |
| Suction line | | ln.(mm) | |
| Max.tubing length | | m. | |
| Max.height difference | | m. | |
| Operation control type | | Remote control | |
| Heating elements (Option) | | kW | |
| Others | | | |

- (1)Airflow in ducted units: at nominal external static pressure.
- (2)Sound power in ducted units is measured at air discharge.
- (3)Sound pressure level measured at 1-meter distance from unit.
- (4)Rating conditions in accordance to ISO 5151 and ISO 13253 (for ducted units).

3. RATING CONDITIONS

Rating conditions in accordance with ISO 5151 and ISO 13253 (for ducted units).

Cooling:

Indoor: 27°C DB 19°C WB

Outdoor: 35°C DB

Heating:

Indoor: 20°C DB

Outdoor: 7°C DB 6°C WB

3.1 Operating Limits

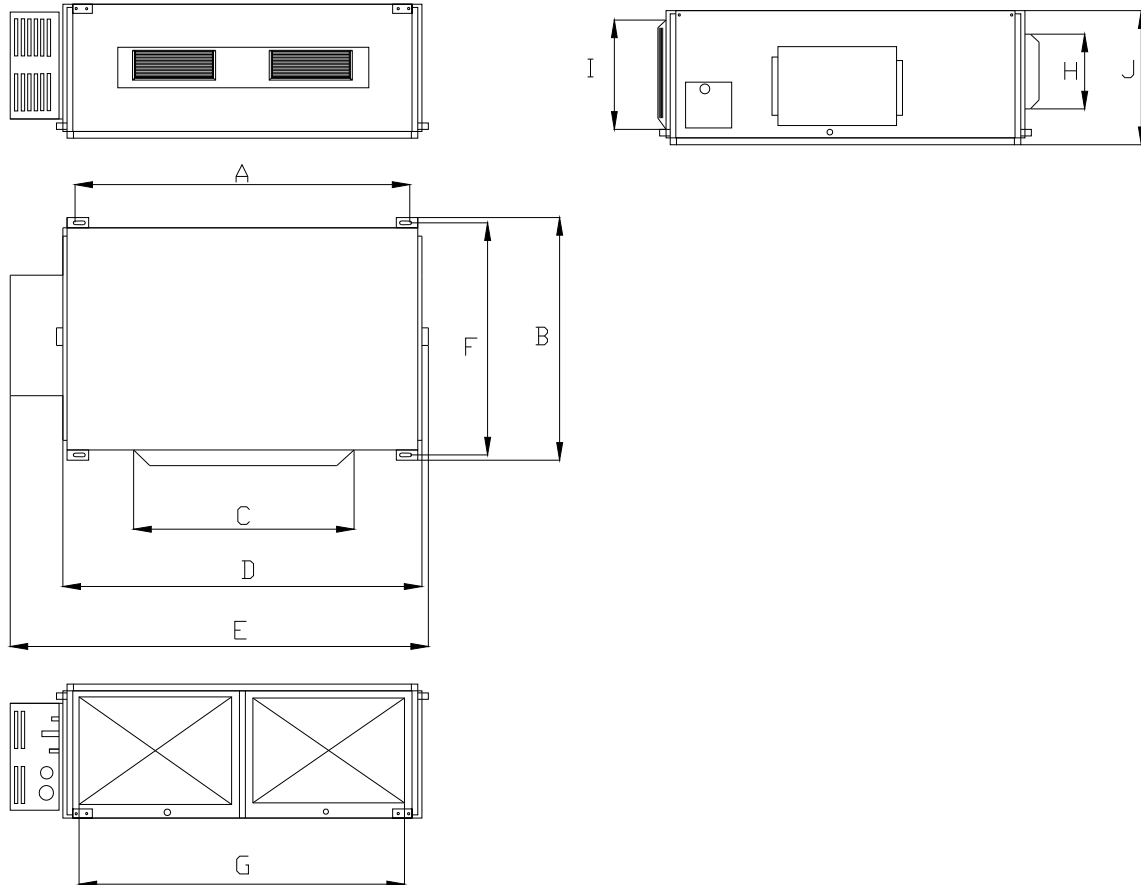
R410A

Operating Limits

| | | Indoor | Outdoor |
|---------|-------------|-----------------|-----------------|
| Cooling | Upper limit | 32°C DB 23°C WB | 43°C |
| | Lower limit | 21°C DB 15°C WB | 18°C |
| Heating | Upper limit | 27°C DB | 24°C DB 18°C WB |
| | Lower limit | 20°C DB | -7°C DB -8°C WB |
| Voltage | 1 Ph | 198 – 264 V | 198 – 264 V |
| | 3 Ph | - | 360 – 440 V |

4. OUTLINE DIMENSION

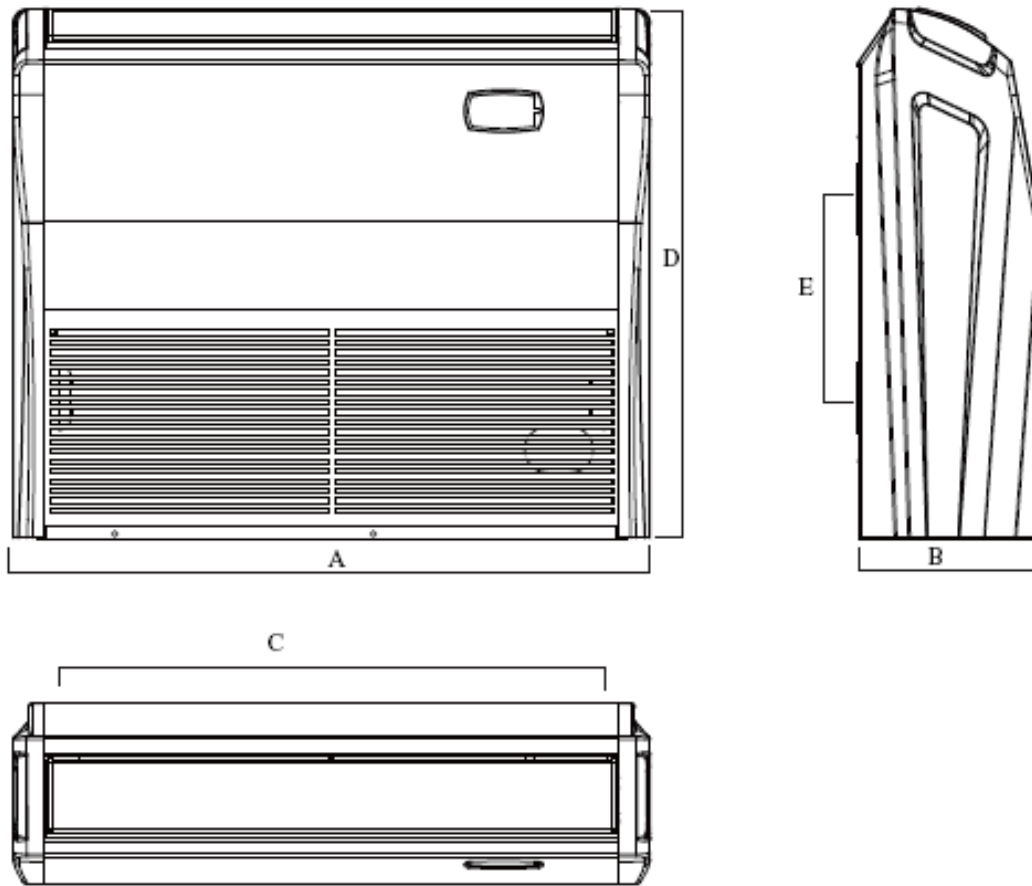
4.1 Indoor Units: DAF009, DAF012, DAF018, DAF024, DAF036, DAF042, DAF060



Unit: mm

| Model | A | B | C | D | E | F | G | H | I | J |
|--------|------|-----|-----|------|------|-----|------|-----|-----|-----|
| DAF009 | 856 | 571 | 515 | 790 | 913 | 680 | 750 | 100 | 172 | 220 |
| DAF012 | | | | | | | | | | |
| DAF018 | 932 | 627 | 738 | 894 | 1012 | 736 | 738 | 125 | 207 | 266 |
| DAF024 | 1101 | 395 | 820 | 1159 | 1270 | 504 | 1002 | 160 | 235 | 268 |
| DAF030 | | | | | | | | | | |
| DAF036 | 1011 | 635 | 820 | 1115 | 1251 | 744 | 980 | 160 | 231 | 290 |
| DAF042 | | | | | | | | | | |
| DAF060 | 1015 | 679 | 820 | 1115 | 1251 | 788 | 980 | 160 | 261 | 330 |

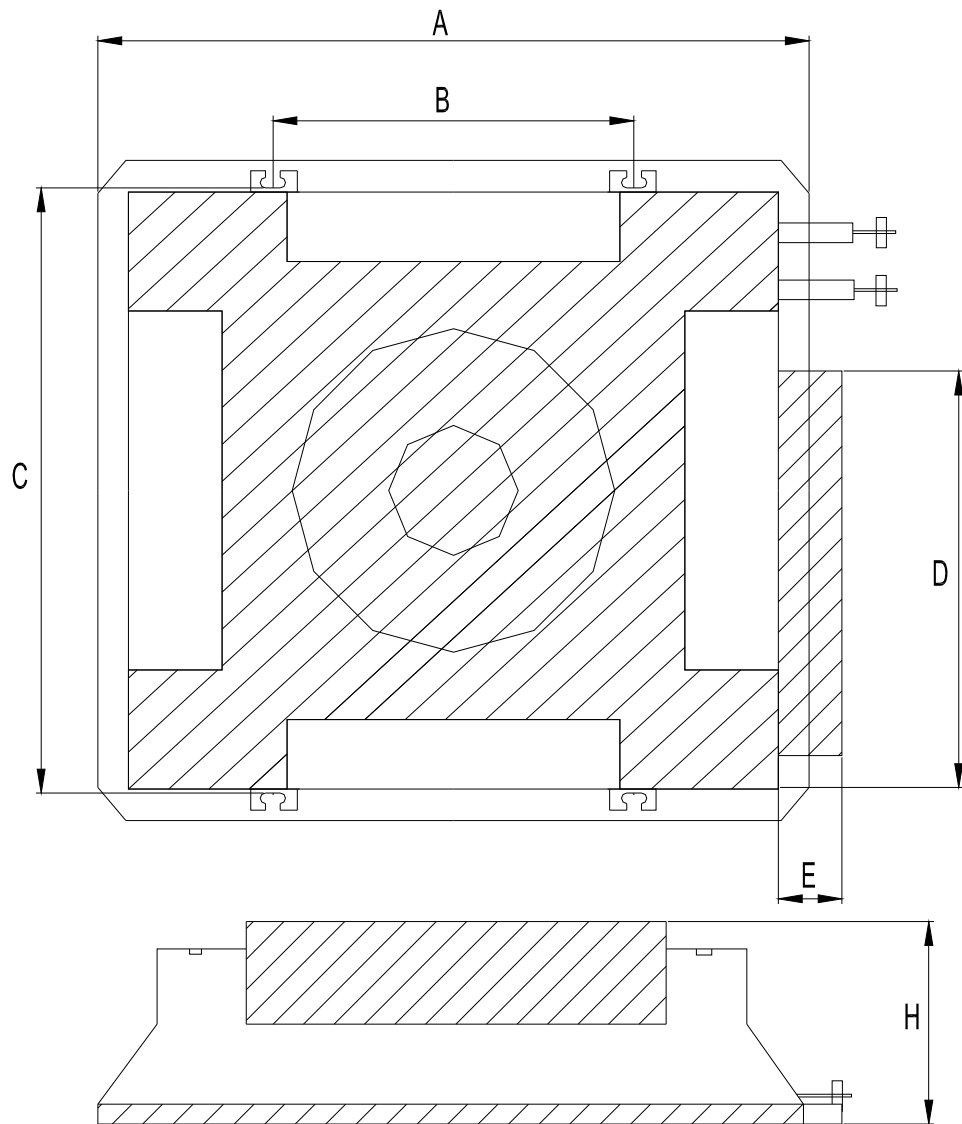
4.2 Indoor Units: FAF012, FAF018, FAF024, FAF036, FAF042



Unit: mm

| Model | A | B | C | D | E |
|------------|------|-----|------|-----|-----|
| FAF012/018 | 836 | 238 | 745 | 695 | 260 |
| FAF024/030 | 1300 | 188 | 1202 | 600 | 260 |
| FAF036/042 | 1590 | 238 | 1491 | 695 | 260 |

4.3 Indoor Units: CAF012, CAF018, CAF024, CAF036, CAF042

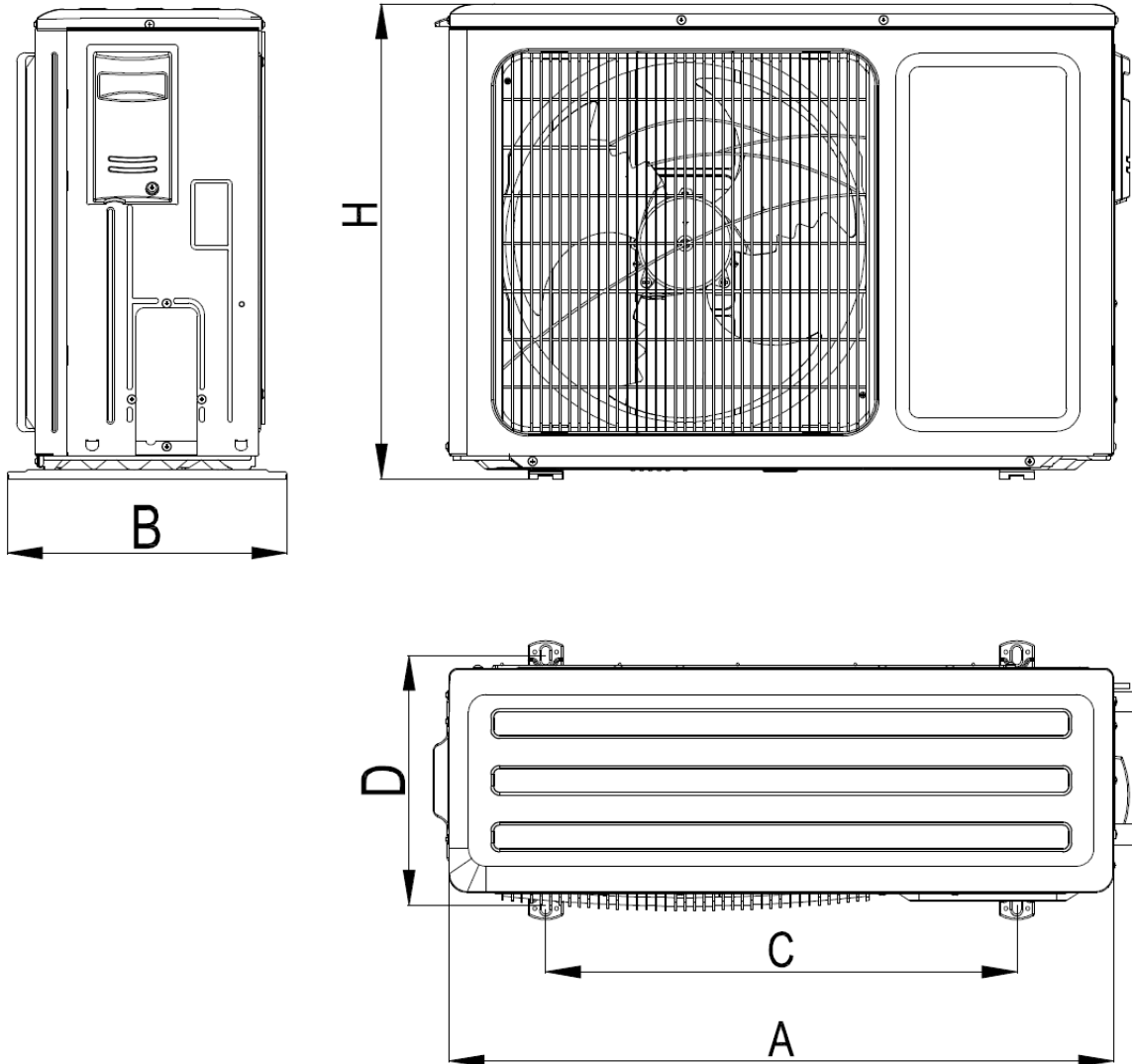


Unit: mm

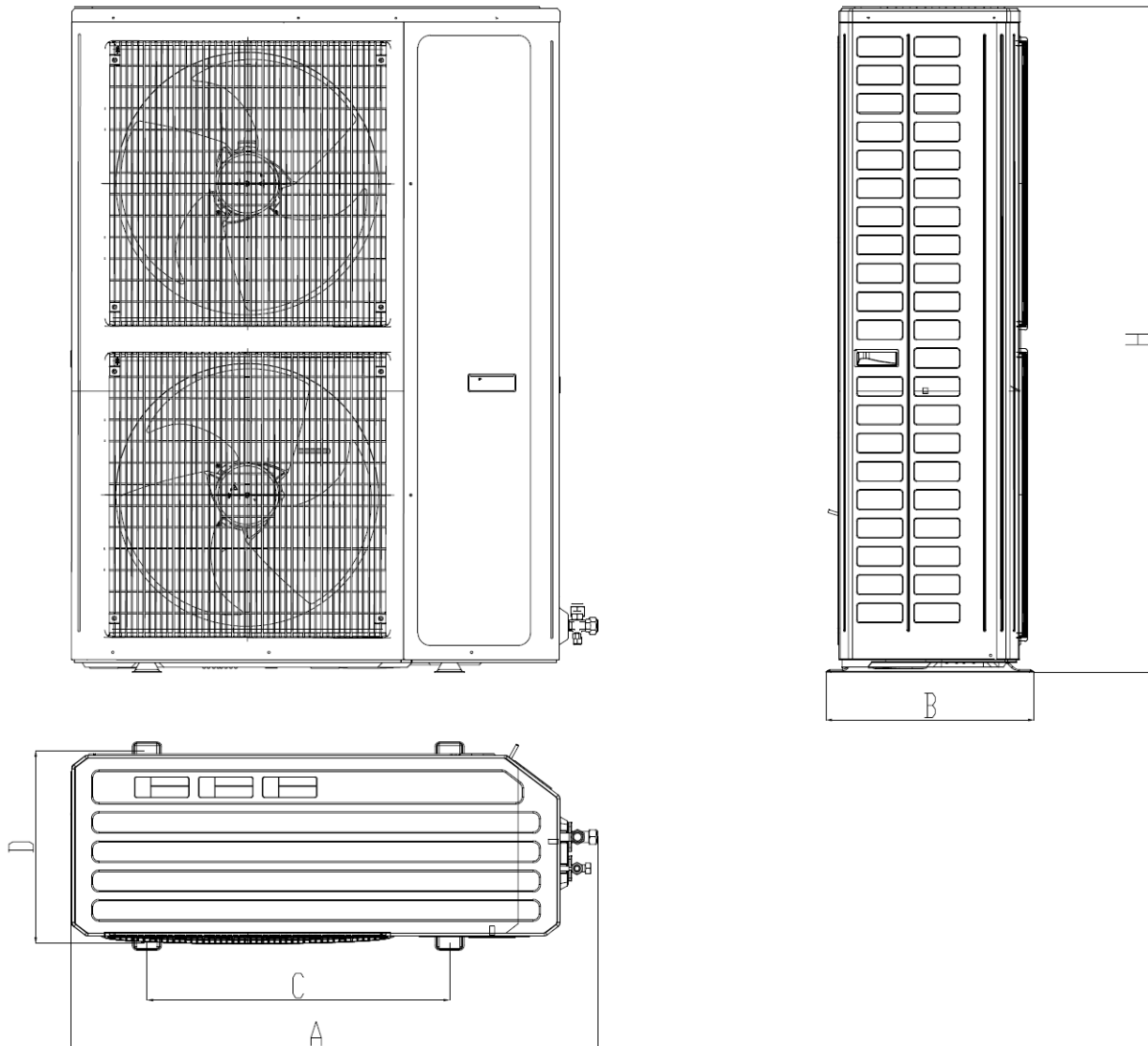
| Model | H | A | B | C | D | E |
|--------|-----|-----|-----|-----|-----|----|
| CAF012 | 245 | 650 | 400 | 606 | 440 | 66 |
| CAF018 | | | | | | |
| CAF024 | 275 | 950 | 680 | 840 | 720 | 76 |
| CAF030 | | | | | | |
| CAF036 | 345 | 950 | 680 | 840 | 720 | 76 |
| CAF042 | | | | | | |

4.4 Outdoor Units:

YIF009/012/018/024/030/036



YIF042/060



Unit: mm

| Model | A | B | C | H | D |
|---------|------|-----|-----|------|-----|
| YIF009 | 848 | 320 | 540 | 540 | 286 |
| YIF012 | | | | | |
| YIF018 | | | | | |
| YIF024 | 1018 | 412 | 572 | 695 | 378 |
| YIF030 | 980 | 427 | 610 | 790 | 395 |
| YIF036 | 1018 | 412 | 572 | 840 | 378 |
| YIF036T | | | | | |
| YIF042T | 1032 | 412 | 572 | 1250 | 378 |
| YIF060T | | | | | |

5. PERFORMANCE DATA

5.1 YIF009

5.1.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|-------------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 2.65 | 2.81 | 2.94 | 3.07 | 3.17 |
| | SC | 1.71 | 1.81 | 1.91 | 1.87 | 1.90 |
| | PI | 0.71 | 0.71 | 0.71 | 0.72 | 0.72 |
| 20 | TC | 2.63 | 2.78 | 2.91 | 3.04 | 3.15 |
| | SC | 1.87 | 1.99 | 2.10 | 2.04 | 2.09 |
| | PI | 0.77 | 0.77 | 0.78 | 0.78 | 0.78 |
| 25 | TC | 2.52 | 2.70 | 2.86 | 2.99 | 3.09 |
| | SC | 1.66 | 1.78 | 1.88 | 1.85 | 1.90 |
| | PI | 0.83 | 0.84 | 0.84 | 0.85 | 0.85 |
| 30 | TC | 2.37 | 2.55 | 2.76 | 2.86 | 2.96 |
| | SC | 1.58 | 1.71 | 1.84 | 1.81 | 1.88 |
| | PI | 0.90 | 0.91 | 0.92 | 0.93 | 0.93 |
| 35 | TC | 2.18 | 2.37 | 2.60 | 2.73 | 2.83 |
| | SC | 1.49 | 1.62 | 1.77 | 1.75 | 1.82 |
| | PI | 0.97 | 0.98 | 1.00 | 1.01 | 1.01 |
| 40 | TC | 1.98 | 2.16 | 2.39 | 2.52 | 2.63 |
| | SC | 1.38 | 1.52 | 1.67 | 1.65 | 1.73 |
| | PI | 1.04 | 1.06 | 1.08 | 1.09 | 1.10 |
| 46 | TC | 1.72 | 1.90 | 2.13 | 2.26 | 2.37 |
| | SC | 1.26 | 1.39 | 1.57 | 1.54 | 1.61 |
| | PI | 1.15 | 1.16 | 1.18 | 1.20 | 1.21 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.1.2 Heating Capacity (kW)

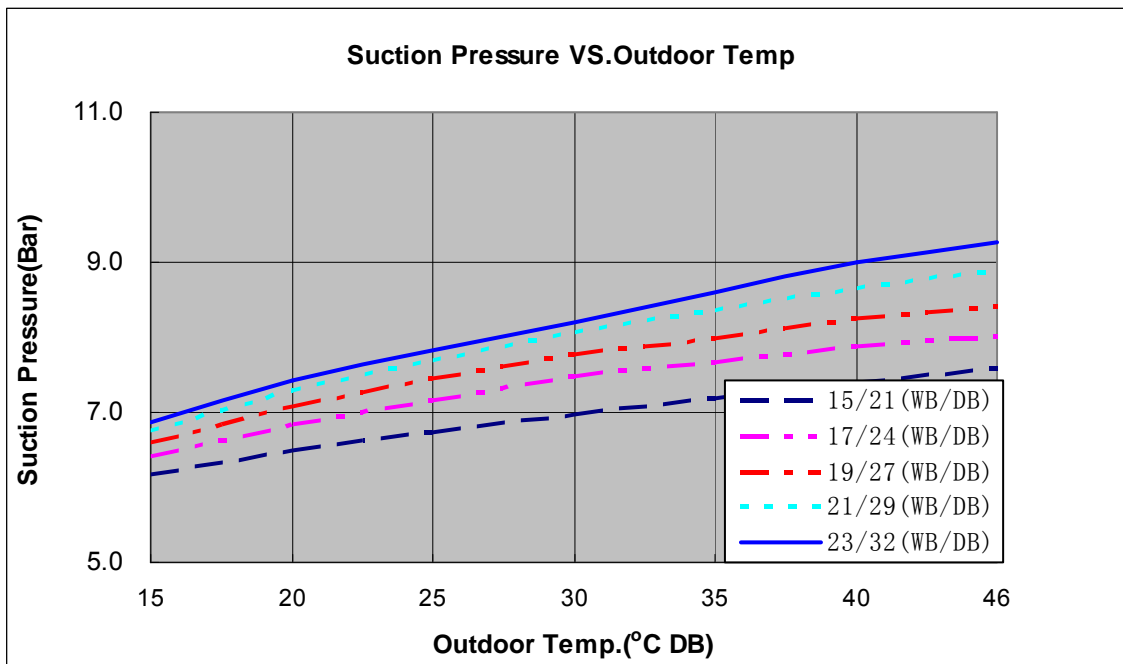
| | ENTERING AIR DB ID COIL(°C) | | | | | |
|-------------------------|-----------------------------|------|-------------|-------------|------|------|
| | 15 | | 20 | | 25 | |
| ENTERING WB OD COIL(°C) | TH | PI | TH | PI | TH | PI |
| -10 | 1.50 | 0.78 | 1.44 | 0.83 | 1.38 | 0.87 |
| -7 | 1.61 | 0.80 | 1.55 | 0.84 | 1.50 | 0.88 |
| -2 | 1.71 | 0.81 | 1.65 | 0.85 | 1.60 | 0.90 |
| 2 | 2.08 | 0.84 | 2.00 | 0.90 | 1.91 | 0.95 |
| 6 | 2.94 | 0.91 | 2.85 | 0.97 | 2.75 | 1.03 |
| 10 | 3.19 | 0.96 | 3.11 | 1.02 | 3.02 | 1.09 |
| 15 | 3.45 | 1.00 | 3.36 | 1.08 | 3.28 | 1.14 |
| 20 | 3.63 | 1.03 | 3.55 | 1.12 | 3.45 | 1.20 |

LEGEND

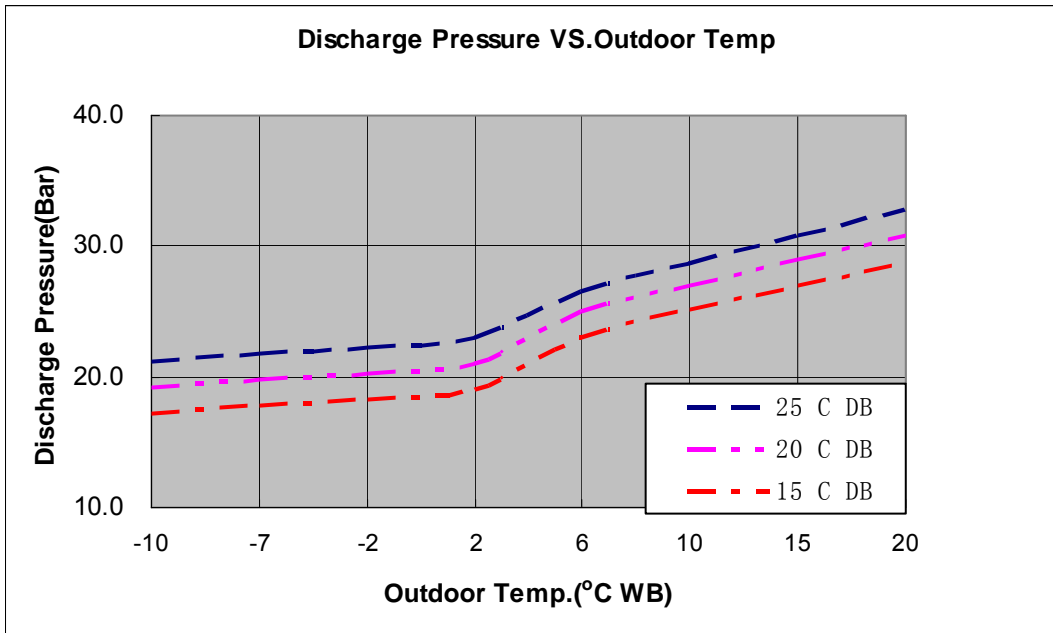
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.1.3 Curves

Cooling



Heating



5.2 YIF012

5.2.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|-------------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 3.57 | 3.78 | 3.96 | 4.13 | 4.27 |
| | SC | 2.30 | 2.44 | 2.57 | 2.51 | 2.55 |
| | PI | 0.85 | 0.85 | 0.85 | 0.86 | 0.86 |
| 20 | TC | 3.54 | 3.75 | 3.92 | 4.10 | 4.24 |
| | SC | 2.52 | 2.68 | 2.83 | 2.75 | 2.81 |
| | PI | 0.92 | 0.93 | 0.93 | 0.94 | 0.94 |
| 25 | TC | 3.40 | 3.64 | 3.85 | 4.03 | 4.17 |
| | SC | 2.24 | 2.40 | 2.53 | 2.49 | 2.55 |
| | PI | 0.99 | 1.00 | 1.01 | 1.02 | 1.02 |
| 30 | TC | 3.19 | 3.43 | 3.71 | 3.85 | 3.99 |
| | SC | 2.13 | 2.30 | 2.48 | 2.43 | 2.53 |
| | PI | 1.08 | 1.09 | 1.10 | 1.11 | 1.11 |
| 35 | TC | 2.94 | 3.19 | 3.50 | 3.68 | 3.82 |
| | SC | 2.00 | 2.18 | 2.38 | 2.35 | 2.45 |
| | PI | 1.16 | 1.18 | 1.20 | 1.21 | 1.21 |
| 40 | TC | 2.66 | 2.91 | 3.22 | 3.40 | 3.54 |
| | SC | 1.86 | 2.05 | 2.25 | 2.22 | 2.32 |
| | PI | 1.25 | 1.27 | 1.29 | 1.31 | 1.32 |
| 46 | TC | 2.31 | 2.56 | 2.87 | 3.05 | 3.19 |
| | SC | 1.69 | 1.87 | 2.11 | 2.07 | 2.17 |
| | PI | 1.37 | 1.40 | 1.42 | 1.44 | 1.45 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.2.2 Heating Capacity (kW)

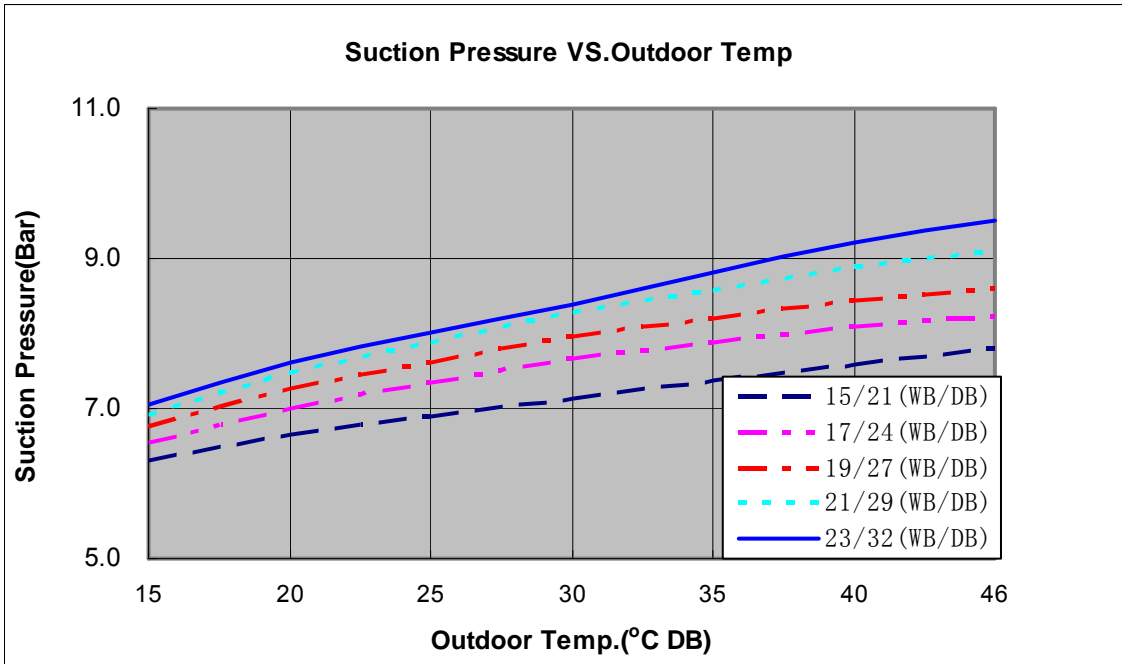
| | ENTERING AIR DB ID COIL(°C) | | | | | |
|----------------------------|-----------------------------|------|-------------|-------------|------|------|
| | 15 | | 20 | | 25 | |
| ENTERING WB OD COIL(°C) | TH | PI | TH | PI | TH | PI |
| -10 | 1.89 | 0.88 | 1.82 | 0.94 | 1.75 | 0.98 |
| -7 | 2.03 | 0.90 | 1.96 | 0.95 | 1.89 | 1.00 |
| -2 | 2.16 | 0.91 | 2.09 | 0.97 | 2.02 | 1.02 |
| 2 | 2.63 | 0.96 | 2.52 | 1.02 | 2.41 | 1.08 |
| 6 | 3.71 | 1.03 | 3.60 | 1.10 | 3.47 | 1.17 |
| 10 | 4.03 | 1.09 | 3.92 | 1.16 | 3.82 | 1.24 |
| 15 | 4.36 | 1.13 | 4.25 | 1.22 | 4.14 | 1.30 |
| 20 | 4.59 | 1.17 | 4.48 | 1.27 | 4.36 | 1.36 |

LEGEND

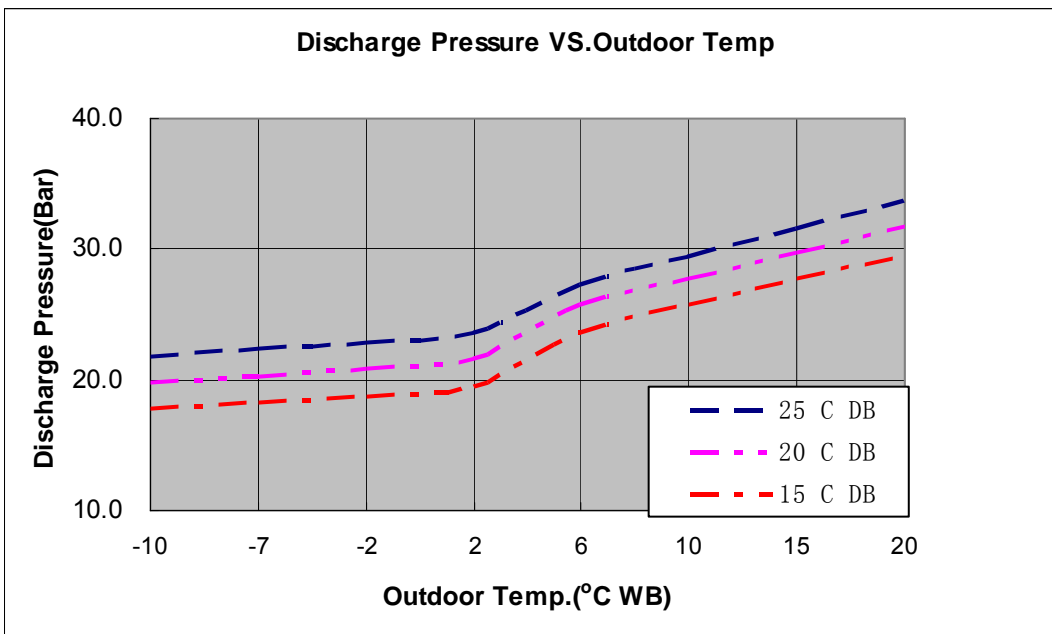
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.2.3 Curves

Cooling



Heating



5.3 YIF018

5.3.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|-------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 5.10 | 5.40 | 5.65 | 5.90 | 6.10 |
| | SC | 3.30 | 3.50 | 3.68 | 3.60 | 3.66 |
| | PI | 1.49 | 1.49 | 1.50 | 1.50 | 1.51 |
| 20 | TC | 5.05 | 5.35 | 5.60 | 5.85 | 6.05 |
| | SC | 3.60 | 3.83 | 4.04 | 3.93 | 4.01 |
| | PI | 1.61 | 1.62 | 1.63 | 1.64 | 1.64 |
| 25 | TC | 4.85 | 5.20 | 5.50 | 5.75 | 5.95 |
| | SC | 3.21 | 3.43 | 3.63 | 3.57 | 3.66 |
| | PI | 1.74 | 1.75 | 1.77 | 1.78 | 1.79 |
| 30 | TC | 4.55 | 4.90 | 5.30 | 5.50 | 5.70 |
| | SC | 3.05 | 3.29 | 3.55 | 3.48 | 3.62 |
| | PI | 1.88 | 1.90 | 1.93 | 1.94 | 1.95 |
| 35 | TC | 4.20 | 4.55 | 5.00 | 5.25 | 5.45 |
| | SC | 2.87 | 3.12 | 3.41 | 3.37 | 3.51 |
| | PI | 2.03 | 2.07 | 2.10 | 2.12 | 2.13 |
| 40 | TC | 3.80 | 4.15 | 4.60 | 4.85 | 5.05 |
| | SC | 2.66 | 2.93 | 3.23 | 3.18 | 3.33 |
| | PI | 2.19 | 2.23 | 2.27 | 2.29 | 2.31 |
| 46 | TC | 3.30 | 3.65 | 4.10 | 4.35 | 4.55 |
| | SC | 2.42 | 2.69 | 3.02 | 2.97 | 3.11 |
| | PI | 2.40 | 2.44 | 2.49 | 2.52 | 2.55 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

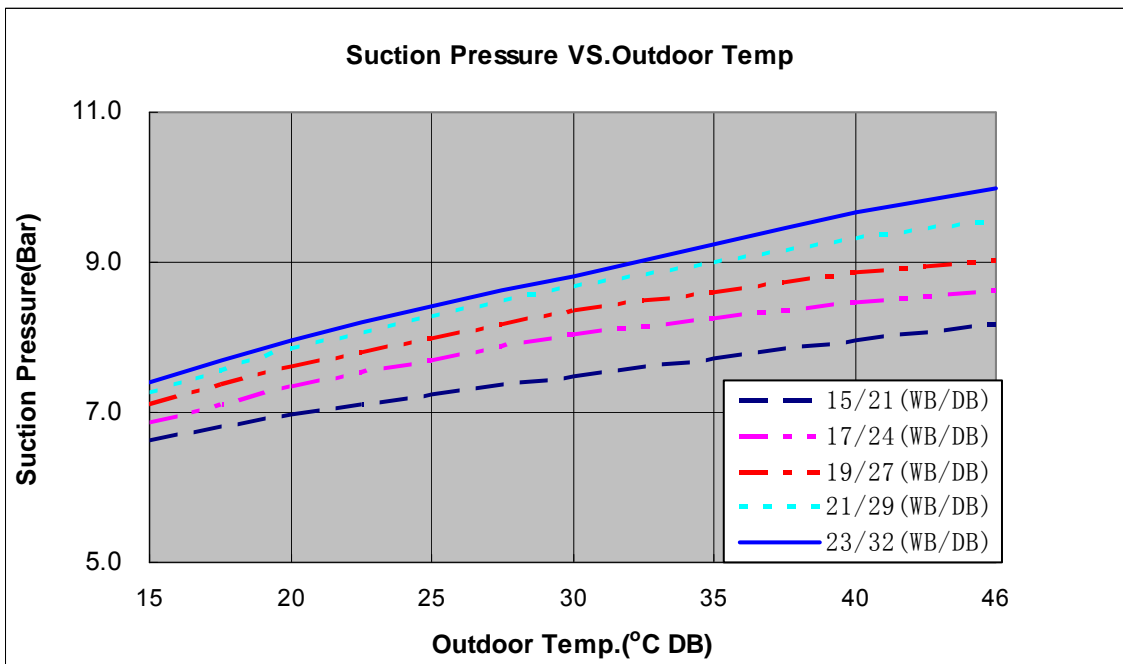
5.1.3 Heating Capacity (kW)

| | ENTERING AIR DB ID COIL(°C) | | | | | |
|-------------------------|-----------------------------|------|-------------|-------------|------|------|
| | 15 | | 20 | | 25 | |
| ENTERING WB OD COIL(°C) | TH | PI | TH | PI | TH | PI |
| -10 | 2.99 | 1.44 | 2.88 | 1.53 | 2.76 | 1.61 |
| -7 | 3.22 | 1.48 | 3.11 | 1.56 | 2.99 | 1.64 |
| -2 | 3.42 | 1.49 | 3.31 | 1.58 | 3.19 | 1.67 |
| 2 | 4.16 | 1.57 | 3.99 | 1.67 | 3.82 | 1.76 |
| 6 | 5.87 | 1.68 | 5.70 | 1.80 | 5.50 | 1.91 |
| 10 | 6.38 | 1.78 | 6.21 | 1.90 | 6.04 | 2.03 |
| 15 | 6.90 | 1.85 | 6.73 | 2.00 | 6.56 | 2.12 |
| 20 | 7.27 | 1.91 | 7.10 | 2.07 | 6.90 | 2.23 |

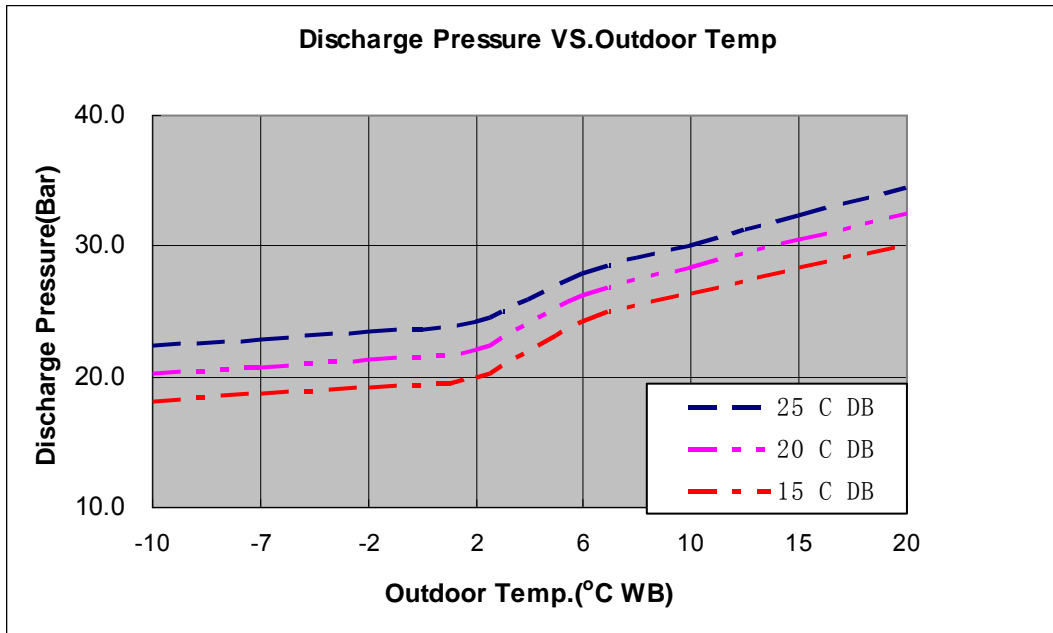
LEGEND

- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.1.4 Curves
Cooling



Heating



5.4 YIF024

5.4.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|-------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 7.14 | 7.56 | 7.91 | 8.26 | 8.54 |
| | SC | 4.61 | 4.89 | 5.15 | 5.03 | 5.12 |
| | PI | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 |
| 20 | TC | 7.07 | 7.49 | 7.84 | 8.19 | 8.47 |
| | SC | 5.04 | 5.36 | 5.66 | 5.50 | 5.62 |
| | PI | 2.04 | 2.05 | 2.06 | 2.07 | 2.08 |
| 25 | TC | 6.79 | 7.28 | 7.70 | 8.05 | 8.33 |
| | SC | 4.48 | 4.80 | 5.08 | 4.99 | 5.12 |
| | PI | 2.20 | 2.22 | 2.24 | 2.26 | 2.26 |
| 30 | TC | 6.37 | 6.86 | 7.42 | 7.70 | 7.98 |
| | SC | 4.26 | 4.60 | 4.97 | 4.87 | 5.07 |
| | PI | 2.38 | 2.41 | 2.44 | 2.46 | 2.47 |
| 35 | TC | 5.88 | 6.37 | 7.00 | 7.35 | 7.63 |
| | SC | 4.01 | 4.36 | 4.77 | 4.71 | 4.91 |
| | PI | 2.58 | 2.62 | 2.66 | 2.68 | 2.69 |
| 40 | TC | 5.32 | 5.81 | 6.44 | 6.79 | 7.07 |
| | SC | 3.73 | 4.10 | 4.51 | 4.44 | 4.66 |
| | PI | 2.78 | 2.82 | 2.87 | 2.90 | 2.92 |
| 46 | TC | 4.62 | 5.11 | 5.74 | 6.09 | 6.37 |
| | SC | 3.39 | 3.76 | 4.23 | 4.15 | 4.35 |
| | PI | 3.05 | 3.10 | 3.15 | 3.19 | 3.22 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.4.2 Heating Capacity (kW)

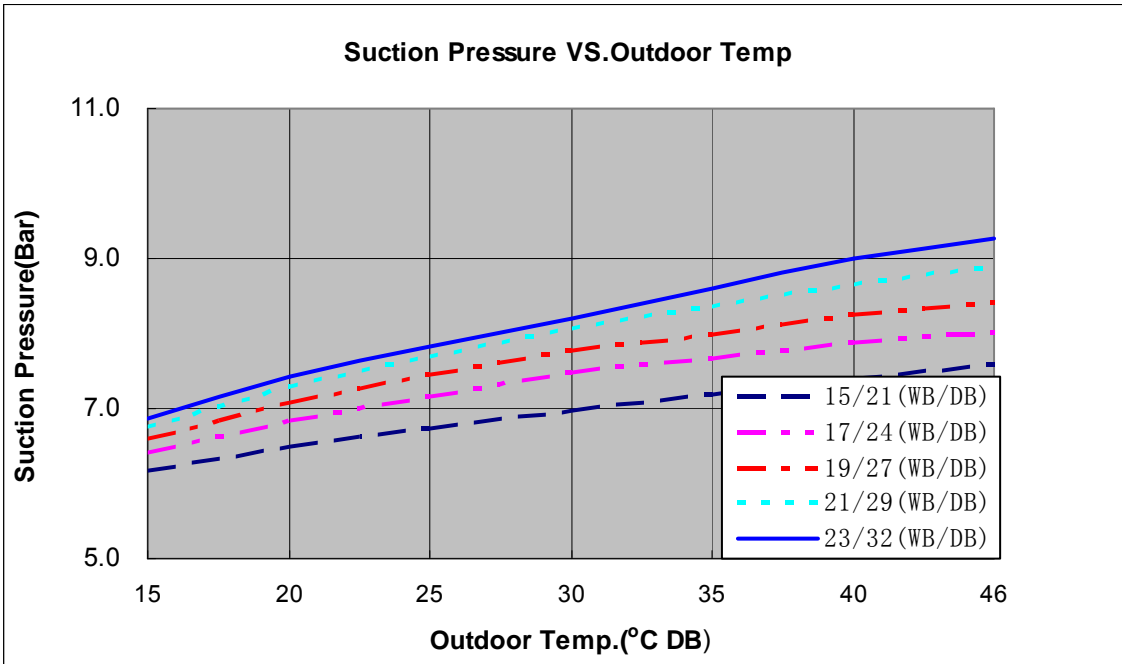
| ENTERING WB OD COIL(°C) | ENTERING AIR DB ID COIL(°C) | | | | | |
|----------------------------|-----------------------------|------|-------------|-------------|------|------|
| | 15 | | 20 | | 25 | |
| | TH | PI | TH | PI | TH | PI |
| -10 | 4.20 | 2.01 | 4.04 | 2.14 | 3.88 | 2.25 |
| -7 | 4.52 | 2.06 | 4.36 | 2.17 | 4.20 | 2.29 |
| -2 | 4.80 | 2.08 | 4.64 | 2.21 | 4.48 | 2.33 |
| 2 | 5.84 | 2.18 | 5.60 | 2.32 | 5.36 | 2.46 |
| 6 | 8.24 | 2.35 | 8.00 | 2.51 | 7.72 | 2.67 |
| 10 | 8.96 | 2.48 | 8.72 | 2.65 | 8.48 | 2.83 |
| 15 | 9.68 | 2.59 | 9.44 | 2.79 | 9.20 | 2.96 |
| 20 | 10.20 | 2.66 | 9.96 | 2.89 | 9.68 | 3.11 |

LEGEND

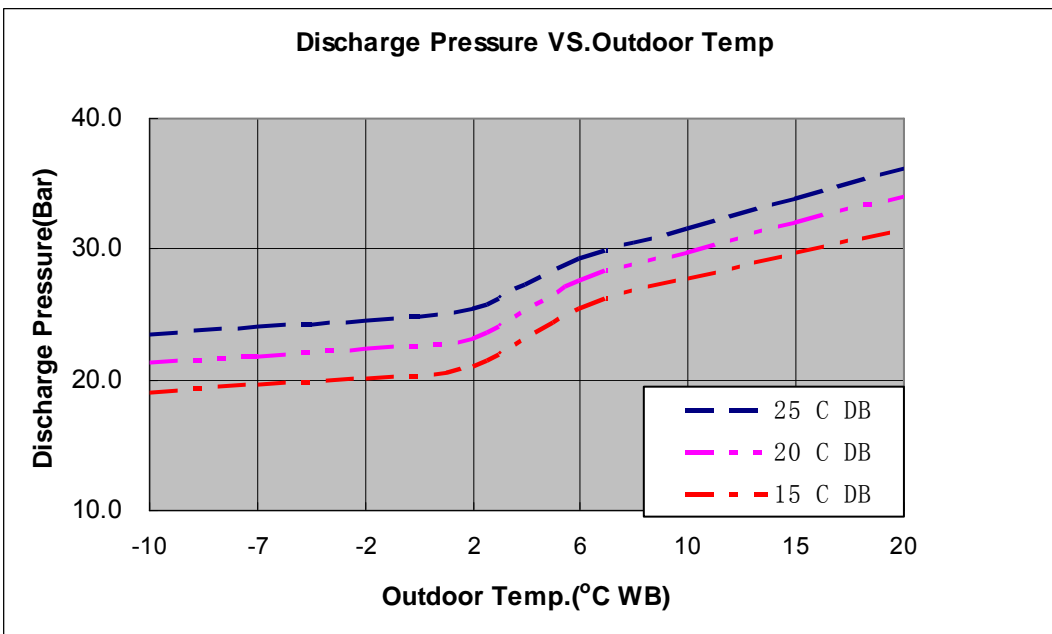
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.4.3 Curves

Cooling



Heating



5.5 YIF030

5.5.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|-------------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 8.47 | 8.96 | 9.38 | 9.79 | 10.13 |
| | SC | 5.46 | 5.79 | 6.10 | 5.96 | 6.06 |
| | PI | 2.13 | 2.13 | 2.14 | 2.15 | 2.15 |
| 20 | TC | 8.38 | 8.88 | 9.30 | 9.71 | 10.04 |
| | SC | 5.98 | 6.35 | 6.71 | 6.52 | 6.66 |
| | PI | 2.30 | 2.31 | 2.33 | 2.34 | 2.35 |
| 25 | TC | 8.05 | 8.63 | 9.13 | 9.55 | 9.88 |
| | SC | 5.31 | 5.69 | 6.02 | 5.91 | 6.06 |
| | PI | 2.48 | 2.51 | 2.53 | 2.55 | 2.55 |
| 30 | TC | 7.55 | 8.13 | 8.80 | 9.13 | 9.46 |
| | SC | 5.05 | 5.45 | 5.89 | 5.77 | 6.00 |
| | PI | 2.69 | 2.72 | 2.76 | 2.78 | 2.79 |
| 35 | TC | 6.97 | 7.55 | 8.30 | 8.72 | 9.05 |
| | SC | 4.75 | 5.17 | 5.65 | 5.58 | 5.81 |
| | PI | 2.91 | 2.95 | 3.00 | 3.02 | 3.04 |
| 40 | TC | 6.31 | 6.89 | 7.64 | 8.05 | 8.38 |
| | SC | 4.41 | 4.86 | 5.34 | 5.26 | 5.52 |
| | PI | 3.13 | 3.18 | 3.24 | 3.27 | 3.29 |
| 46 | TC | 5.48 | 6.06 | 6.81 | 7.22 | 7.55 |
| | SC | 4.01 | 4.45 | 5.01 | 4.92 | 5.15 |
| | PI | 3.44 | 3.49 | 3.55 | 3.60 | 3.64 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.5.2 Heating Capacity (kW)

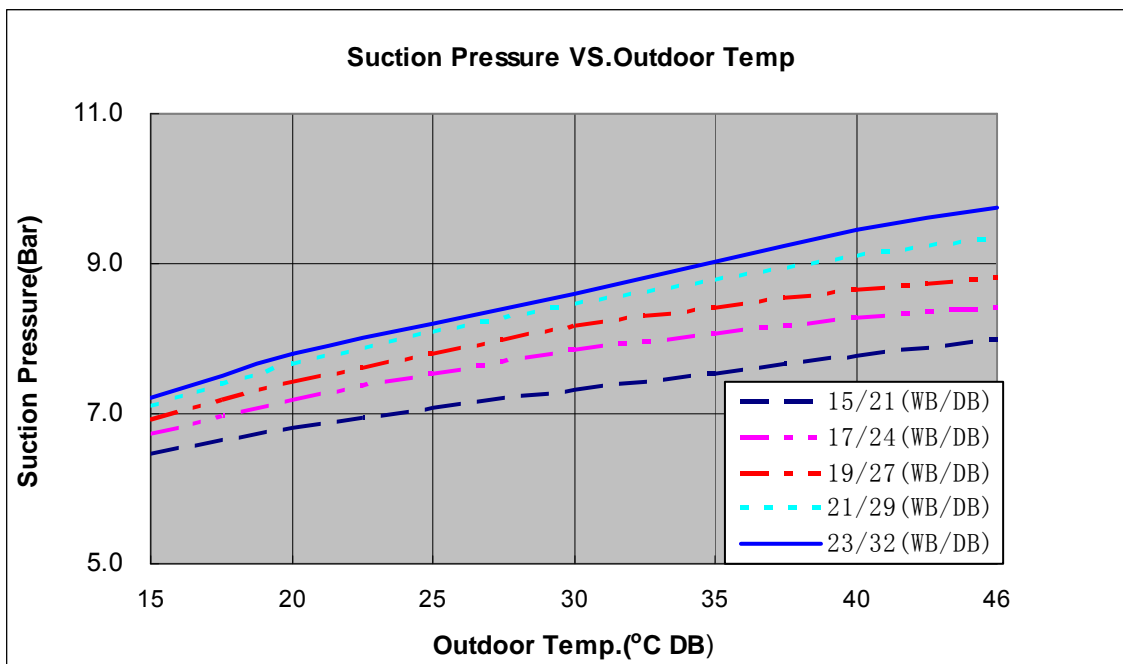
| | ENTERING AIR DB ID COIL(°C) | | | | | |
|-------------------------|-----------------------------|------|-------------|-------------|------|------|
| | 15 | | 20 | | 25 | |
| ENTERING WB OD COIL(°C) | TH | PI | TH | PI | TH | PI |
| -10 | 4.25 | 2.40 | 4.09 | 2.56 | 3.93 | 2.69 |
| -7 | 4.58 | 2.46 | 4.41 | 2.60 | 4.25 | 2.74 |
| -2 | 4.86 | 2.49 | 4.70 | 2.64 | 4.54 | 2.79 |
| 2 | 5.91 | 2.61 | 5.67 | 2.78 | 5.43 | 2.94 |
| 6 | 8.34 | 2.81 | 8.10 | 3.00 | 7.82 | 3.19 |
| 10 | 9.07 | 2.96 | 8.83 | 3.17 | 8.59 | 3.38 |
| 15 | 9.80 | 3.09 | 9.56 | 3.33 | 9.32 | 3.54 |
| 20 | 10.33 | 3.18 | 10.08 | 3.45 | 9.80 | 3.72 |

LEGEND

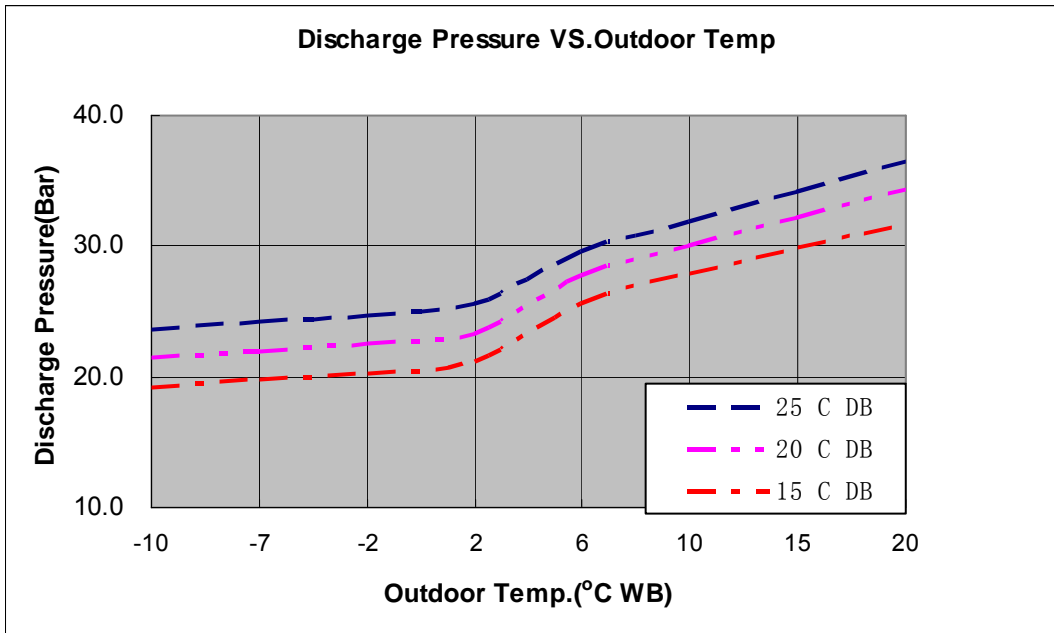
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.5.3 Curves

Cooling



Heating



5.6 YIF036

5.6.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|--------------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 10.20 | 10.80 | 11.30 | 11.80 | 12.20 |
| | SC | 6.58 | 6.98 | 7.36 | 7.19 | 7.31 |
| | PI | 2.84 | 2.84 | 2.85 | 2.86 | 2.87 |
| 20 | TC | 10.10 | 10.70 | 11.20 | 11.70 | 12.10 |
| | SC | 7.20 | 7.65 | 8.09 | 7.85 | 8.02 |
| | PI | 3.07 | 3.08 | 3.10 | 3.12 | 3.13 |
| 25 | TC | 9.70 | 10.40 | 11.00 | 11.50 | 11.90 |
| | SC | 6.40 | 6.86 | 7.25 | 7.12 | 7.30 |
| | PI | 3.31 | 3.34 | 3.37 | 3.40 | 3.40 |
| 30 | TC | 9.10 | 9.80 | 10.60 | 11.00 | 11.40 |
| | SC | 6.08 | 6.57 | 7.09 | 6.95 | 7.23 |
| | PI | 3.58 | 3.63 | 3.68 | 3.70 | 3.72 |
| 35 | TC | 8.40 | 9.10 | 10.00 | 10.50 | 10.90 |
| | SC | 5.73 | 6.23 | 6.81 | 6.73 | 7.01 |
| | PI | 3.88 | 3.94 | 4.00 | 4.03 | 4.05 |
| 40 | TC | 7.60 | 8.30 | 9.20 | 9.70 | 10.10 |
| | SC | 5.32 | 5.86 | 6.44 | 6.34 | 6.65 |
| | PI | 4.18 | 4.24 | 4.32 | 4.36 | 4.39 |
| 46 | TC | 6.60 | 7.30 | 8.20 | 8.70 | 9.10 |
| | SC | 4.84 | 5.36 | 6.04 | 5.92 | 6.21 |
| | PI | 4.58 | 4.66 | 4.74 | 4.80 | 4.85 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.6.2 Heating Capacity (kW)

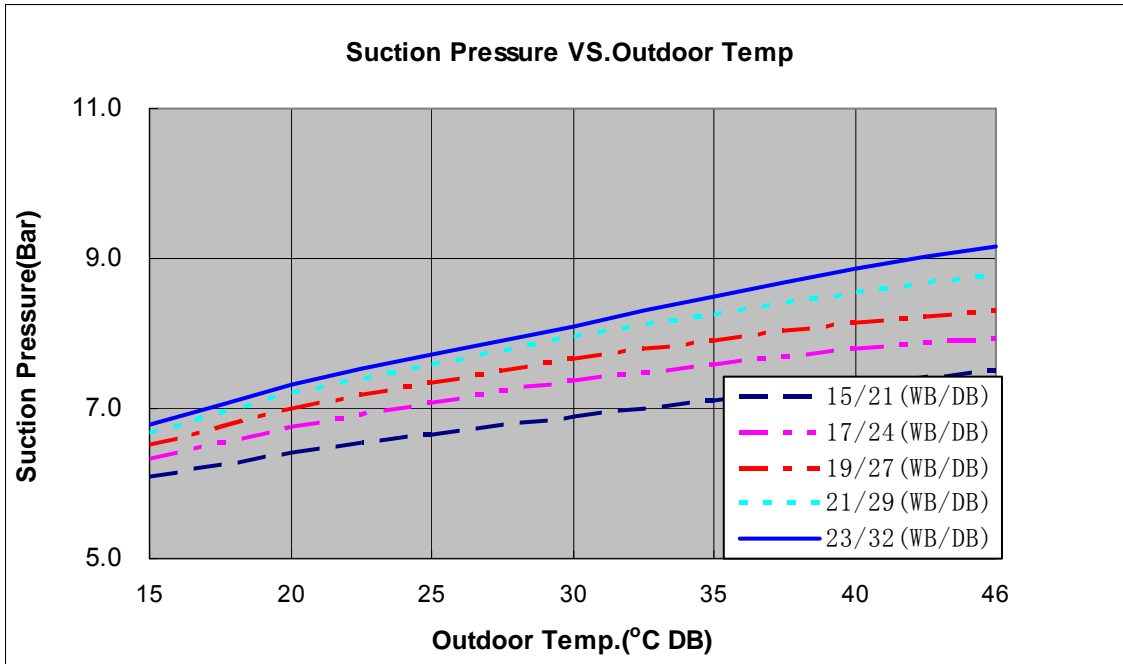
| | ENTERING AIR DB ID COIL(°C) | | | | | |
|----------------------------|-----------------------------|------|--------------|-------------|-------|------|
| | 15 | | 20 | | 25 | |
| ENTERING WB OD COIL(°C) | TH | PI | TH | PI | TH | PI |
| -10 | 5.78 | 2.80 | 5.56 | 2.98 | 5.34 | 3.13 |
| -7 | 6.22 | 2.87 | 6.00 | 3.03 | 5.78 | 3.19 |
| -2 | 6.60 | 2.91 | 6.38 | 3.08 | 6.16 | 3.26 |
| 2 | 8.03 | 3.05 | 7.70 | 3.24 | 7.37 | 3.43 |
| 6 | 11.33 | 3.27 | 11.00 | 3.50 | 10.62 | 3.72 |
| 10 | 12.32 | 3.45 | 11.99 | 3.69 | 11.66 | 3.95 |
| 15 | 13.31 | 3.61 | 12.98 | 3.89 | 12.65 | 4.13 |
| 20 | 14.03 | 3.71 | 13.70 | 4.03 | 13.31 | 4.34 |

LEGEND

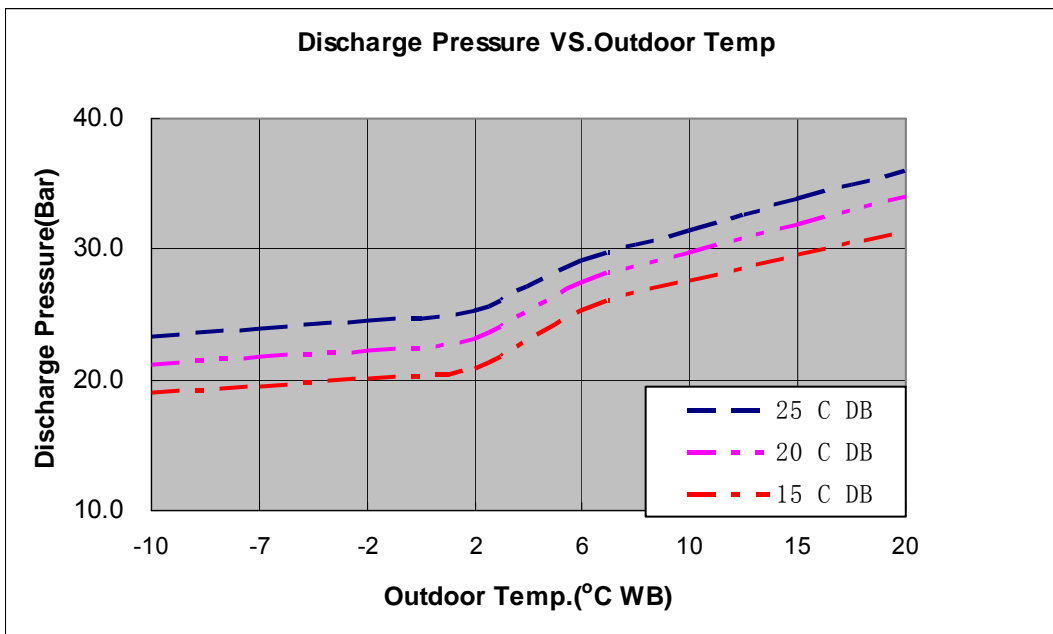
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.6.3 Curves

Cooling



Heating



5.7 YIF042

5.7.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|--------------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 12.24 | 12.96 | 13.56 | 14.16 | 14.64 |
| | SC | 7.90 | 8.38 | 8.83 | 8.62 | 8.77 |
| | PI | 3.76 | 3.77 | 3.77 | 3.79 | 3.81 |
| 20 | TC | 12.12 | 12.84 | 13.44 | 14.04 | 14.52 |
| | SC | 8.64 | 9.18 | 9.70 | 9.42 | 9.63 |
| | PI | 4.07 | 4.09 | 4.11 | 4.13 | 4.14 |
| 25 | TC | 11.64 | 12.48 | 13.20 | 13.80 | 14.28 |
| | SC | 7.68 | 8.22 | 8.70 | 8.54 | 8.76 |
| | PI | 4.39 | 4.43 | 4.47 | 4.50 | 4.51 |
| 30 | TC | 10.92 | 11.76 | 12.72 | 13.20 | 13.68 |
| | SC | 7.30 | 7.88 | 8.51 | 8.34 | 8.68 |
| | PI | 4.75 | 4.81 | 4.87 | 4.91 | 4.92 |
| 35 | TC | 10.08 | 10.92 | 12.00 | 12.60 | 13.08 |
| | SC | 6.87 | 7.47 | 8.17 | 8.07 | 8.41 |
| | PI | 5.14 | 5.22 | 5.30 | 5.34 | 5.36 |
| 40 | TC | 9.12 | 9.96 | 11.04 | 11.64 | 12.12 |
| | SC | 6.38 | 7.03 | 7.73 | 7.61 | 7.98 |
| | PI | 5.53 | 5.62 | 5.72 | 5.78 | 5.82 |
| 46 | TC | 7.92 | 8.76 | 9.84 | 10.44 | 10.92 |
| | SC | 5.80 | 6.43 | 7.25 | 7.11 | 7.44 |
| | PI | 6.07 | 6.17 | 6.28 | 6.36 | 6.42 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.7.2 Heating Capacity (kW)

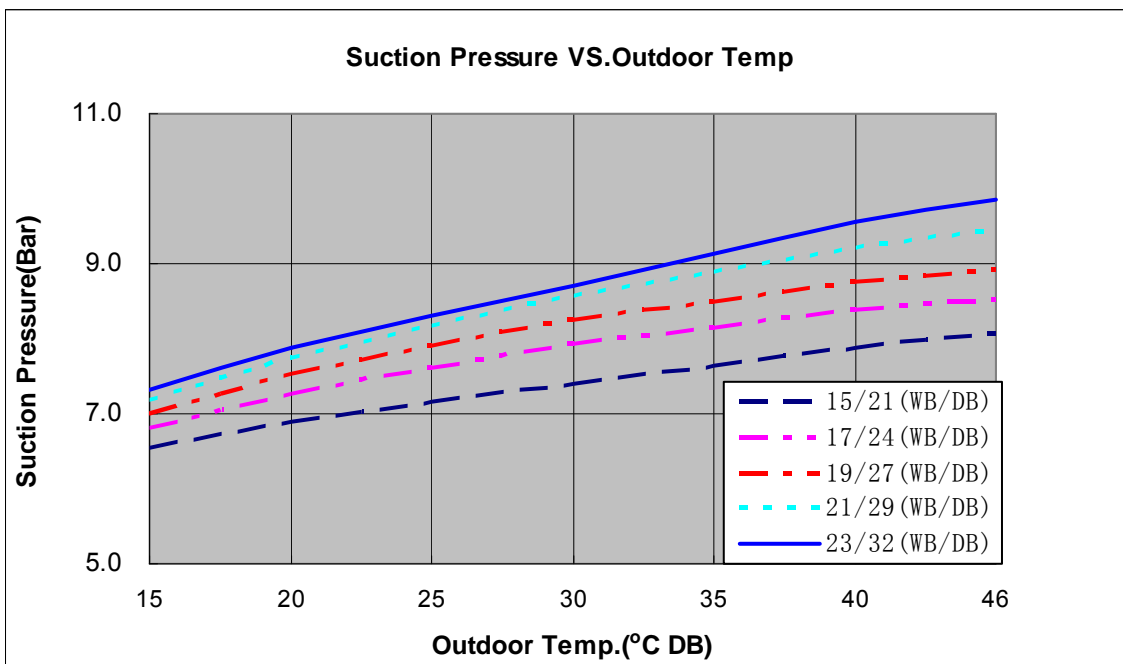
| | ENTERING AIR DB ID COIL(°C) | | | | | |
|----------------------------|-----------------------------|------|--------------|-------------|-------|------|
| | 15 | | 20 | | 25 | |
| ENTERING WB OD COIL(°C) | TH | PI | TH | PI | TH | PI |
| -10 | 7.35 | 3.92 | 7.07 | 4.17 | 6.79 | 4.39 |
| -7 | 7.91 | 4.02 | 7.63 | 4.24 | 7.35 | 4.47 |
| -2 | 8.40 | 4.07 | 8.12 | 4.31 | 7.84 | 4.56 |
| 2 | 10.22 | 4.26 | 9.80 | 4.53 | 9.38 | 4.80 |
| 6 | 14.42 | 4.58 | 14.00 | 4.90 | 13.51 | 5.20 |
| 10 | 15.68 | 4.84 | 15.26 | 5.17 | 14.84 | 5.53 |
| 15 | 16.94 | 5.05 | 16.52 | 5.44 | 16.10 | 5.78 |
| 20 | 17.85 | 5.19 | 17.43 | 5.64 | 16.94 | 6.08 |

LEGEND

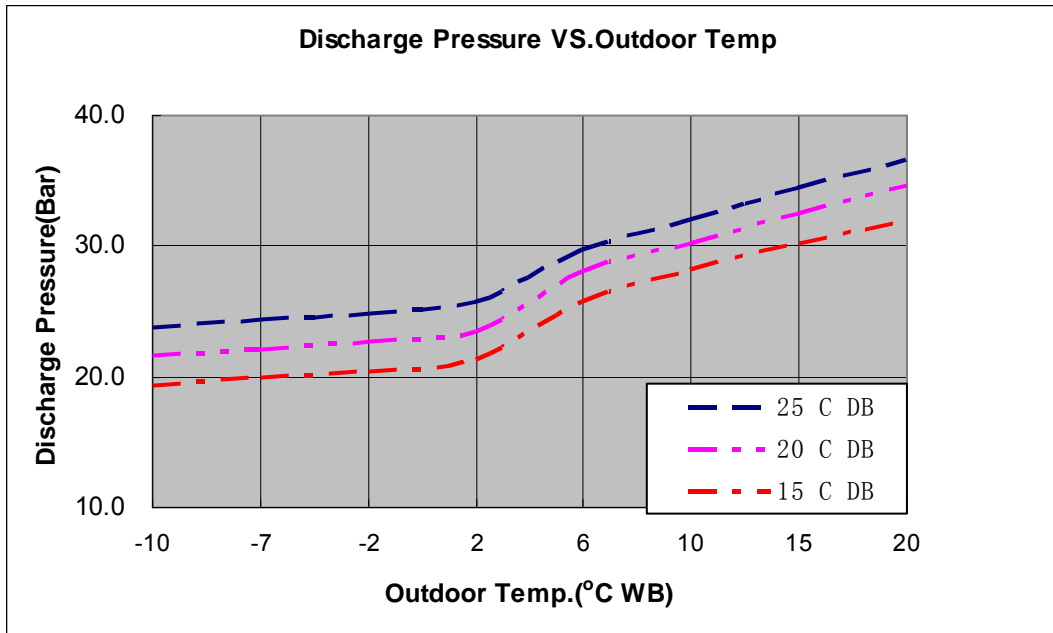
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.7.3 Curves

Cooling



Heating



5.8 YIF060

5.8.1 Cooling Capacity (kW)

| Entering Air DB OD Coil(°C) | Data | Entering Air WB/DB ID Coil(°C) | | | | |
|--------------------------------|------|--------------------------------|-------|--------------|-------|-------|
| | | 15/21 | 17/24 | 19/27 | 21/29 | 23/32 |
| 15 | TC | 16.32 | 17.28 | 18.08 | 18.88 | 19.52 |
| | SC | 10.54 | 11.17 | 11.77 | 11.51 | 11.70 |
| | PI | 4.62 | 4.62 | 4.63 | 4.65 | 4.67 |
| 20 | TC | 16.16 | 17.12 | 17.92 | 18.72 | 19.36 |
| | SC | 11.52 | 12.24 | 12.94 | 12.56 | 12.84 |
| | PI | 4.99 | 5.01 | 5.04 | 5.07 | 5.08 |
| 25 | TC | 15.52 | 16.64 | 17.60 | 18.40 | 19.04 |
| | SC | 10.25 | 10.97 | 11.61 | 11.40 | 11.69 |
| | PI | 5.38 | 5.43 | 5.48 | 5.52 | 5.53 |
| 30 | TC | 14.56 | 15.68 | 16.96 | 17.60 | 18.24 |
| | SC | 9.73 | 10.51 | 11.35 | 11.13 | 11.58 |
| | PI | 5.82 | 5.90 | 5.97 | 6.02 | 6.04 |
| 35 | TC | 13.44 | 14.56 | 16.00 | 16.80 | 17.44 |
| | SC | 9.17 | 9.97 | 10.90 | 10.77 | 11.21 |
| | PI | 6.30 | 6.40 | 6.50 | 6.55 | 6.58 |
| 40 | TC | 12.16 | 13.28 | 14.72 | 15.52 | 16.16 |
| | SC | 8.52 | 9.37 | 10.31 | 10.15 | 10.64 |
| | PI | 6.79 | 6.89 | 7.01 | 7.09 | 7.14 |
| 46 | TC | 10.56 | 11.68 | 13.12 | 13.92 | 14.56 |
| | SC | 7.74 | 8.58 | 9.67 | 9.48 | 9.93 |
| | PI | 7.44 | 7.57 | 7.70 | 7.80 | 7.88 |

LEGEND

- TC – Total Cooling Capacity, kW
- SC – Sensible Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.8.2 Heating Capacity (kW)

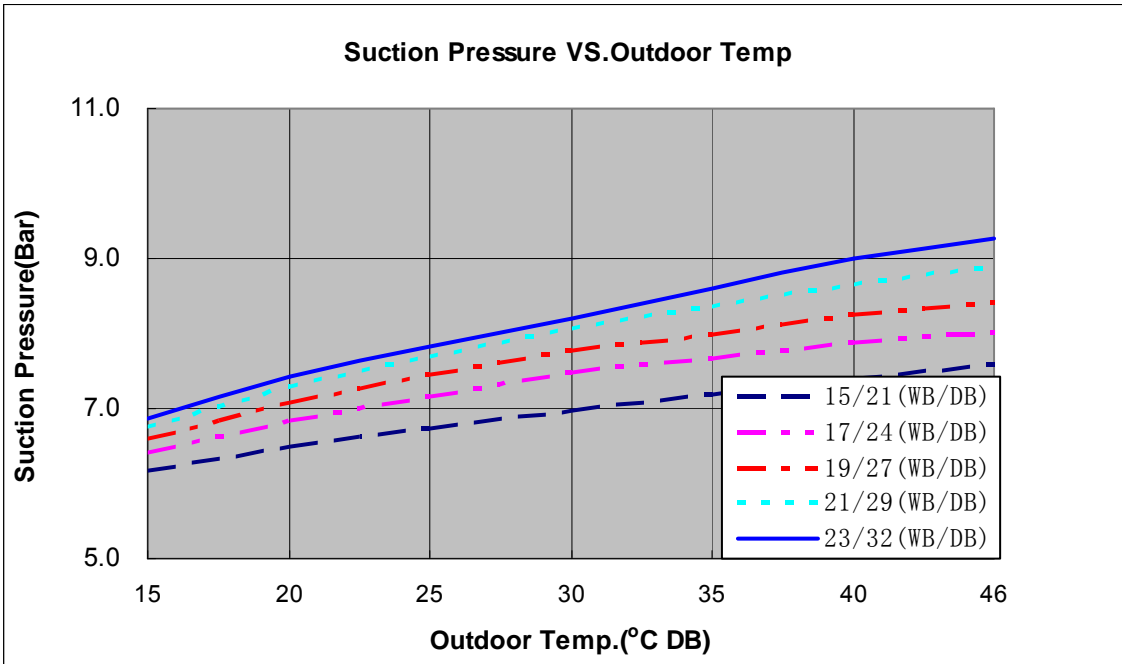
| ENTERING WB OD COIL(°C) | ENTERING AIR DB ID COIL(°C) | | | | | |
|----------------------------|-----------------------------|------|--------------|-------------|-------|------|
| | 15 | | 20 | | 25 | |
| | TH | PI | TH | PI | TH | PI |
| -10 | 9.71 | 4.40 | 9.34 | 4.69 | 8.97 | 4.92 |
| -7 | 10.45 | 4.51 | 10.08 | 4.76 | 9.71 | 5.02 |
| -2 | 11.10 | 4.57 | 10.73 | 4.84 | 10.36 | 5.12 |
| 2 | 13.51 | 4.79 | 12.95 | 5.09 | 12.40 | 5.39 |
| 6 | 19.06 | 5.14 | 18.50 | 5.50 | 17.85 | 5.84 |
| 10 | 20.72 | 5.43 | 20.17 | 5.80 | 19.61 | 6.20 |
| 15 | 22.39 | 5.67 | 21.83 | 6.11 | 21.28 | 6.49 |
| 20 | 23.59 | 5.83 | 23.03 | 6.33 | 22.39 | 6.82 |

LEGEND

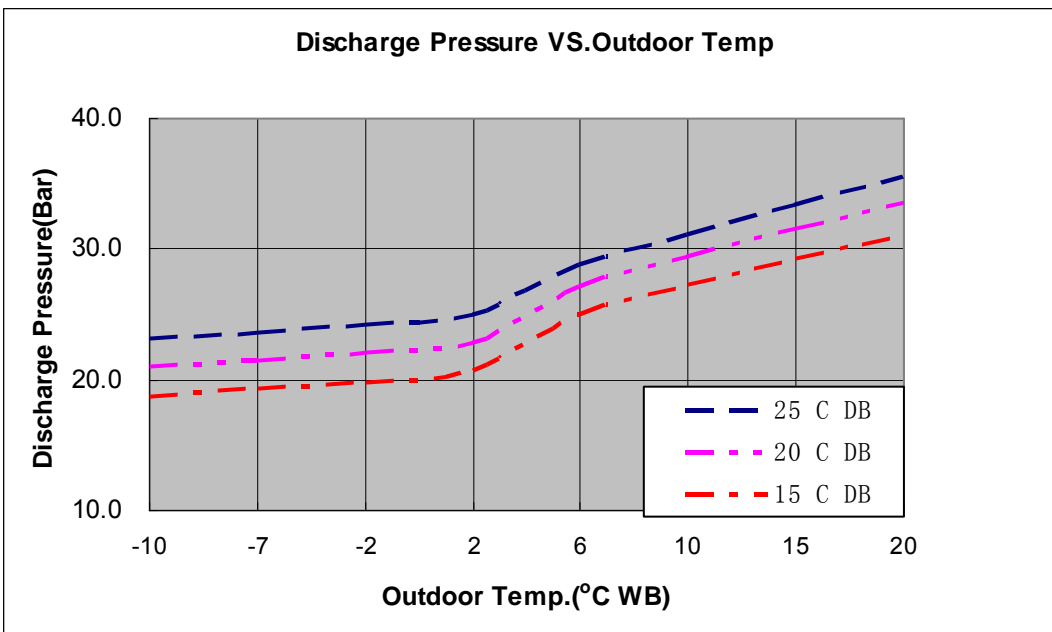
- TH – Total Heating Capacity, kW
- PI – Power Input, kW
- WB – Wet Bulb Temp., (°C)
- DB – Dry Bulb Temp., (°C)
- ID – Indoor
- OU – Outdoor

5.8.3 Curves

Cooling

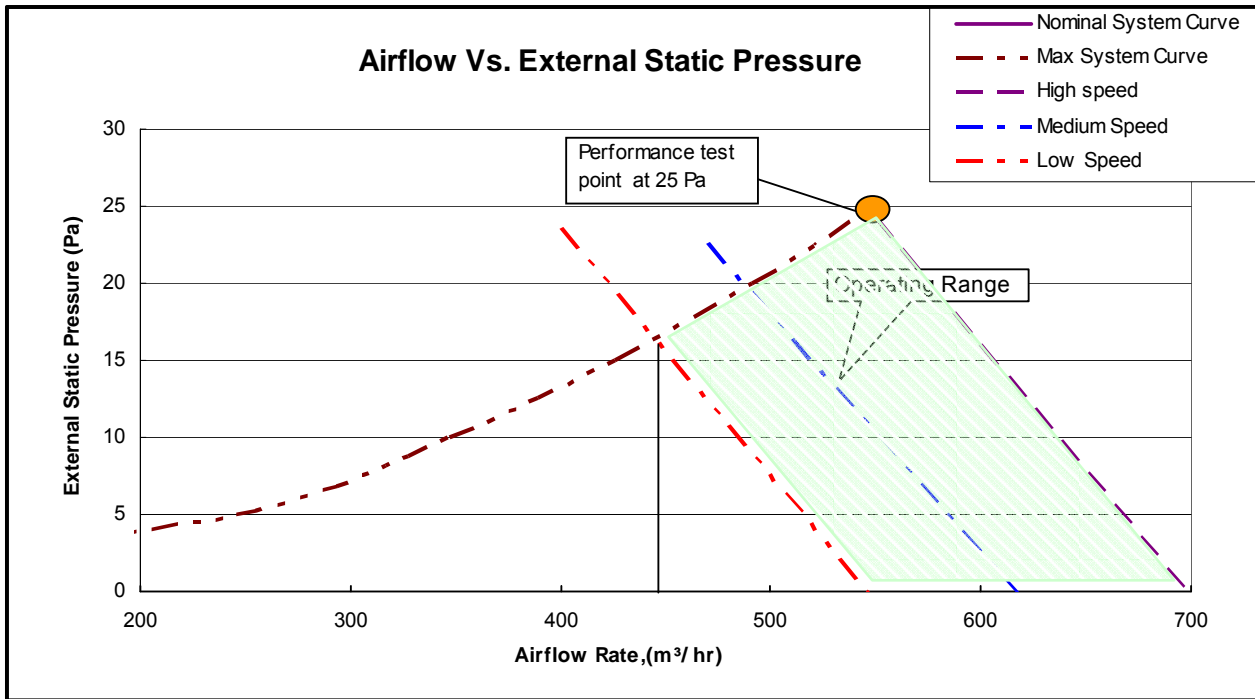


Heating

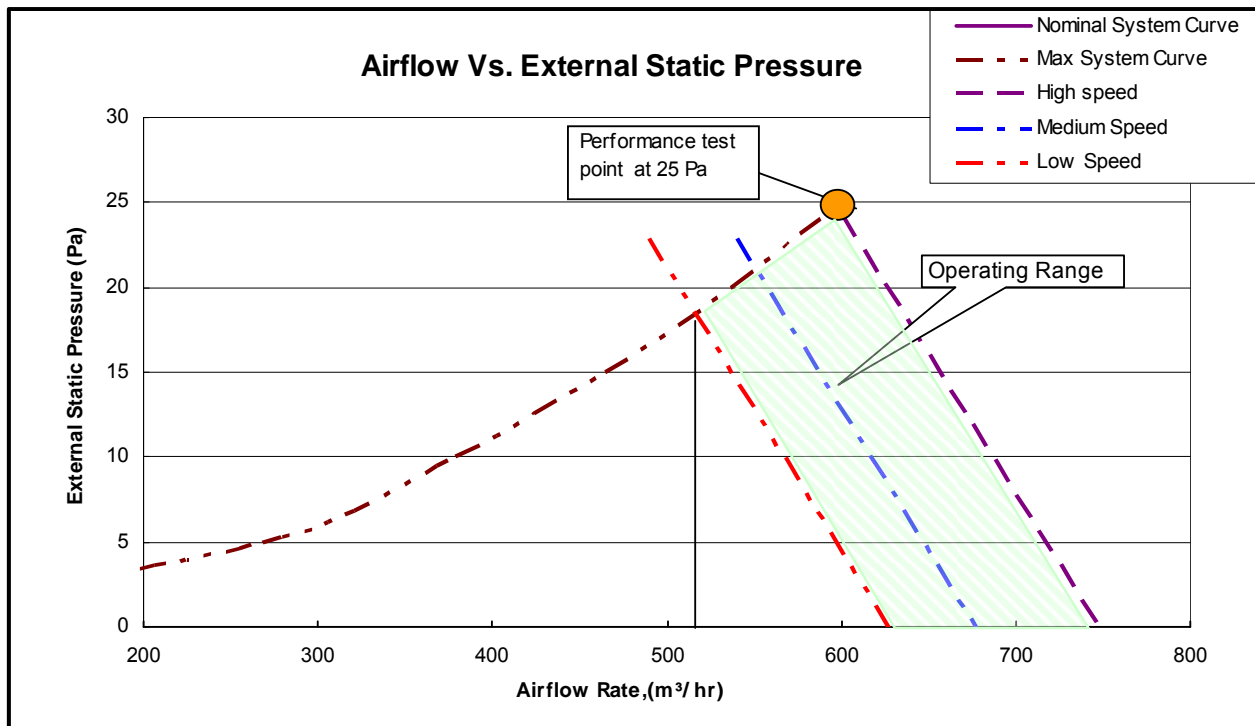


6. AIRFLOW CURVES

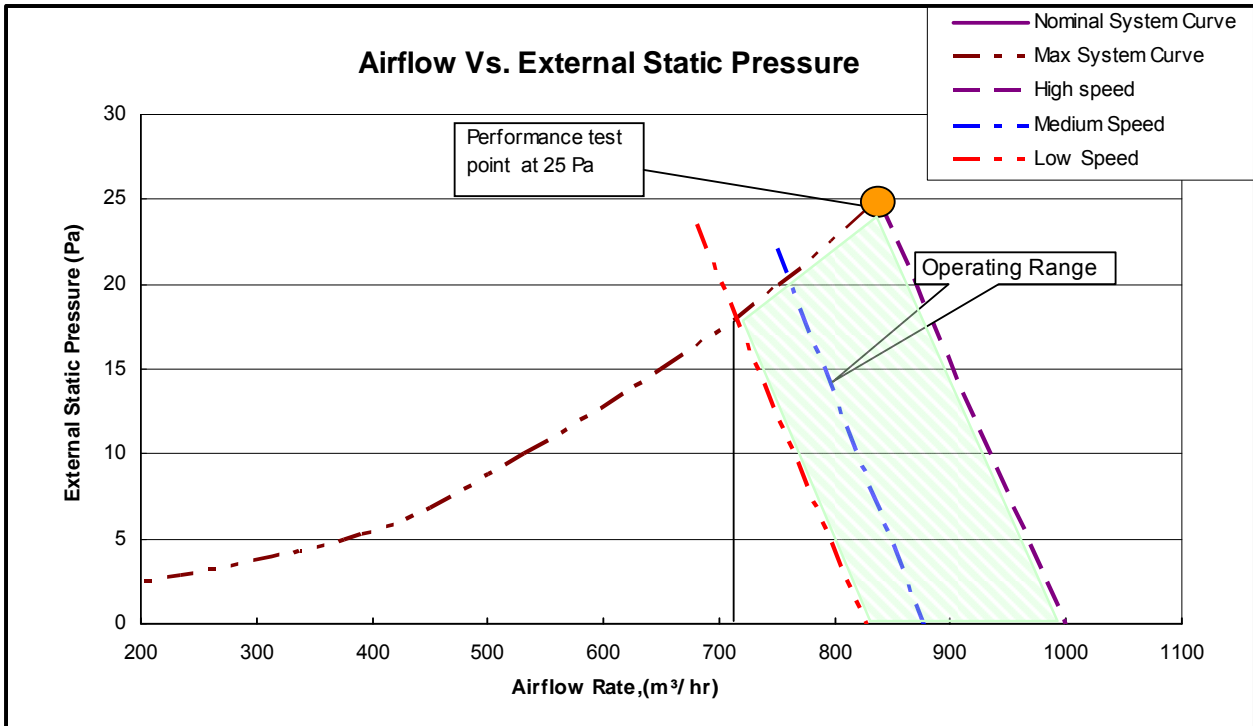
6.1 DAF009



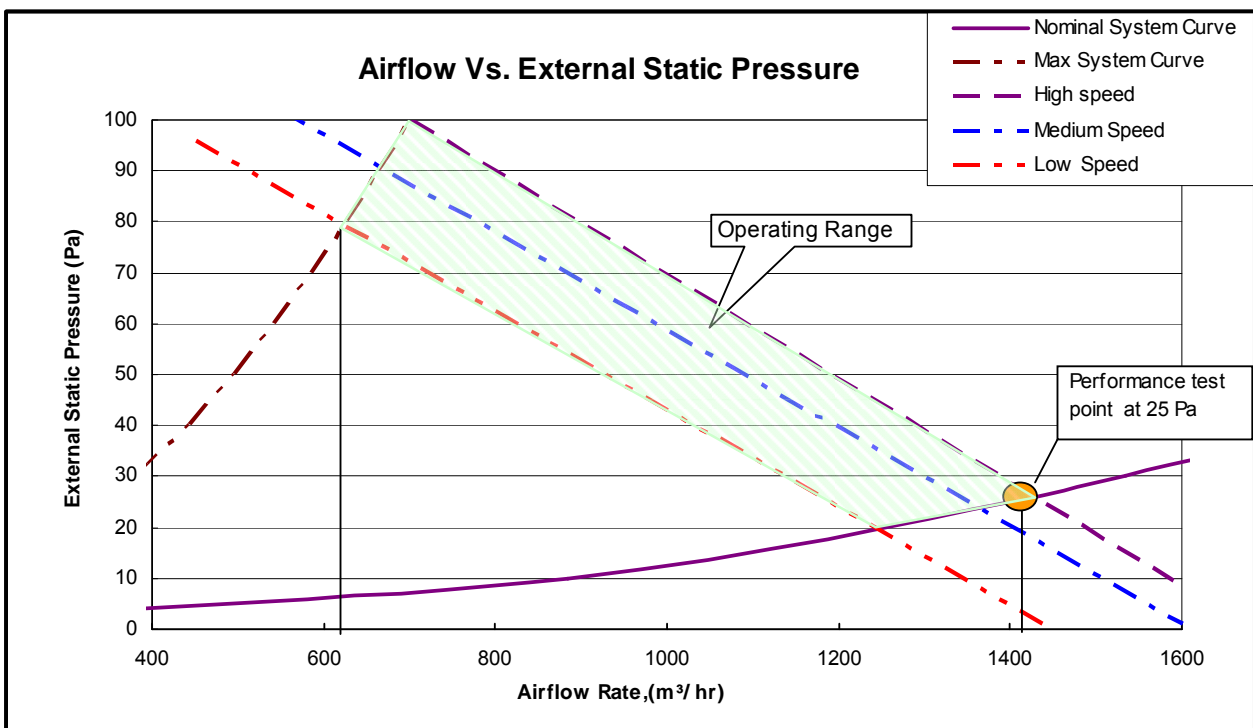
6.2 Model: DAF012



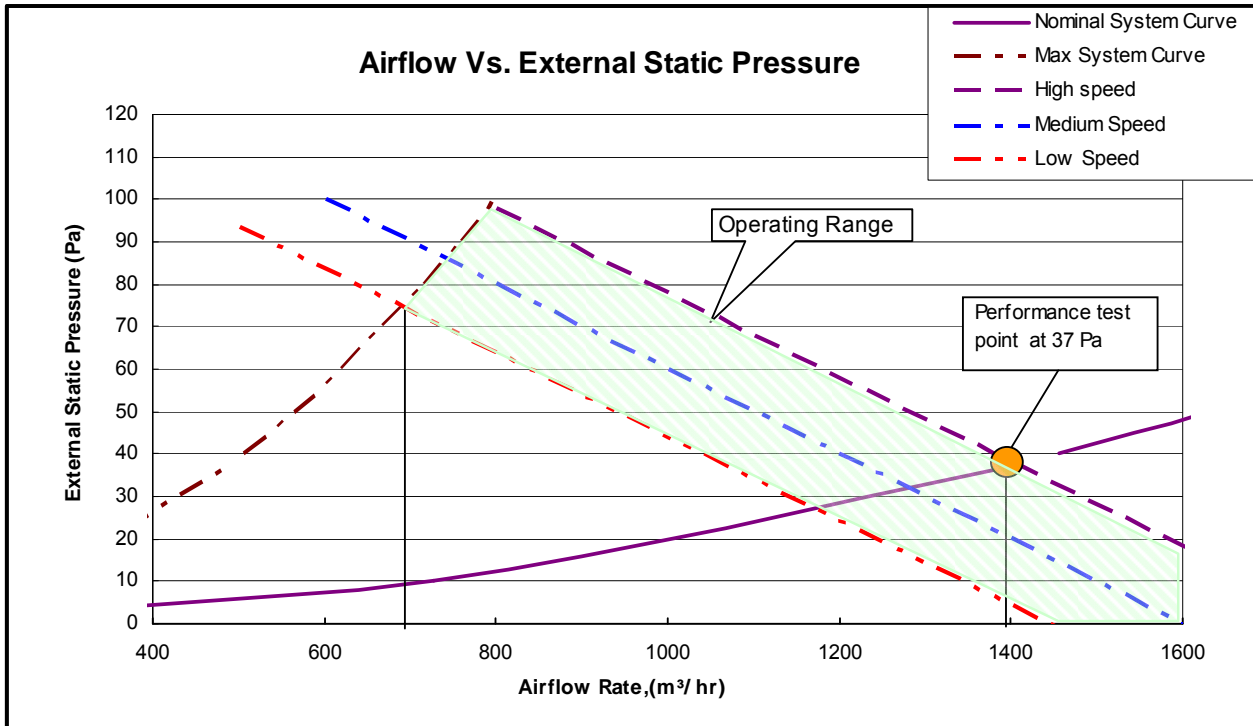
6.3 Model: DAF018



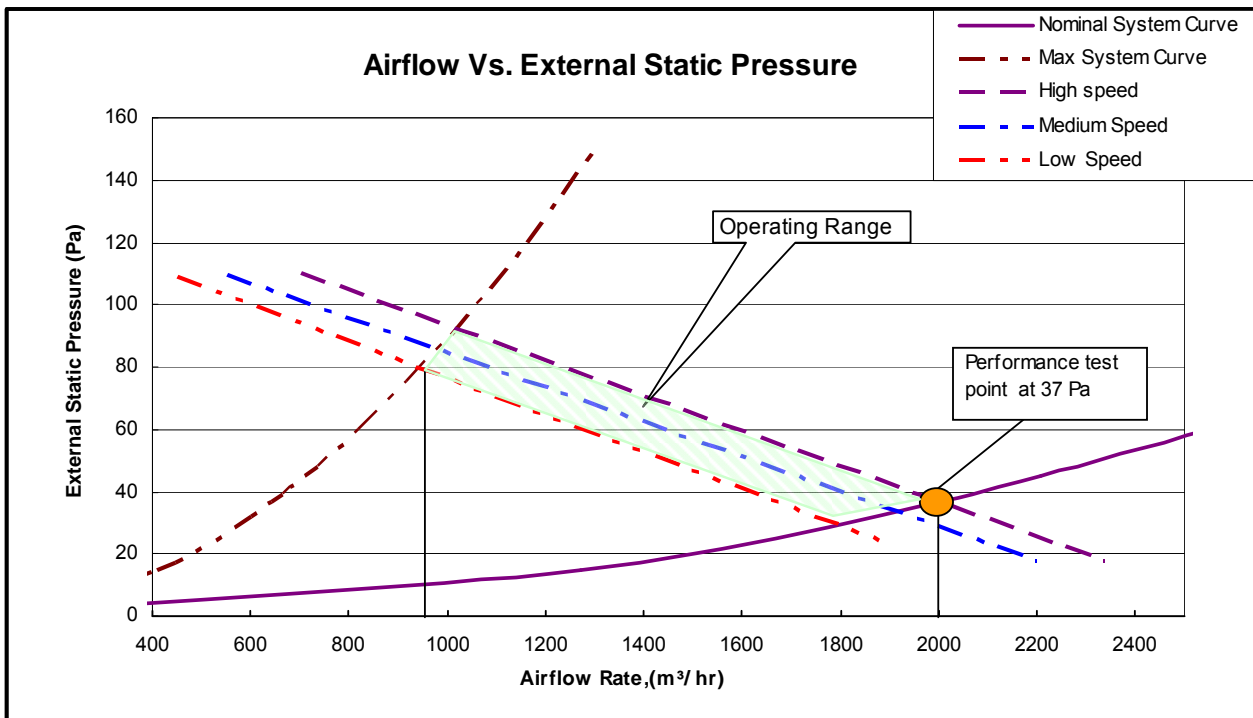
6.4 Model: DAF024



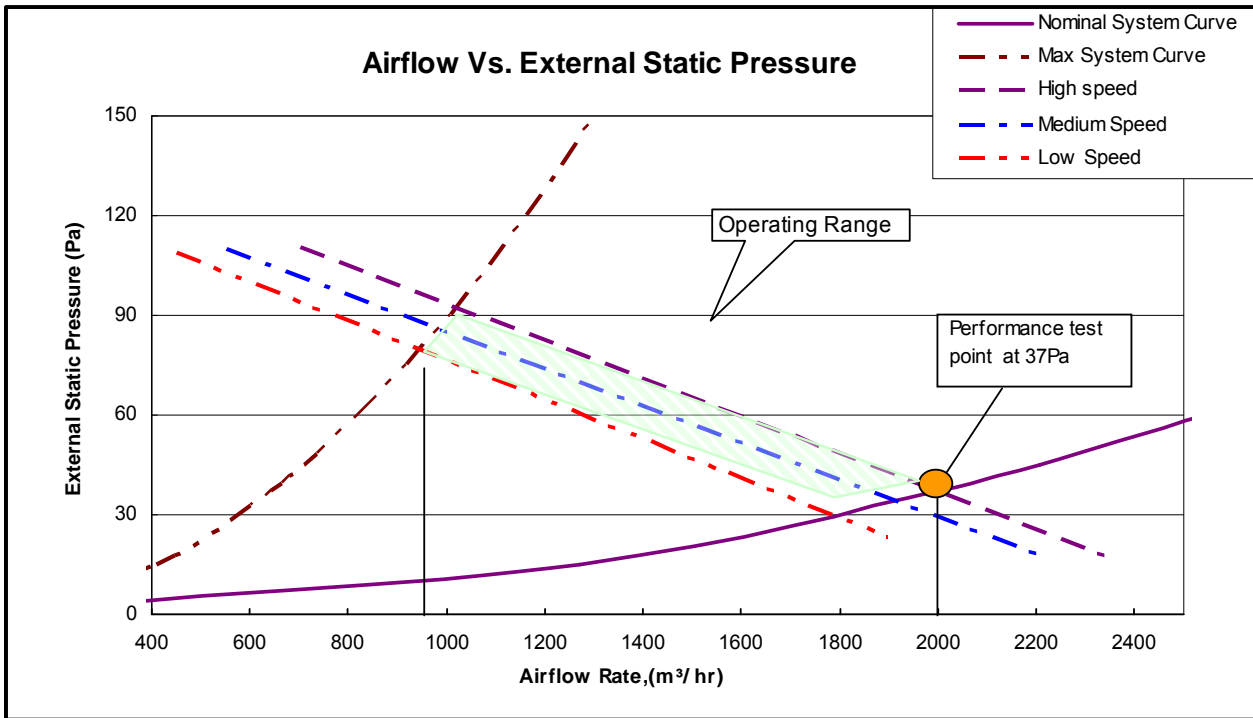
6.5 Model: DAF030



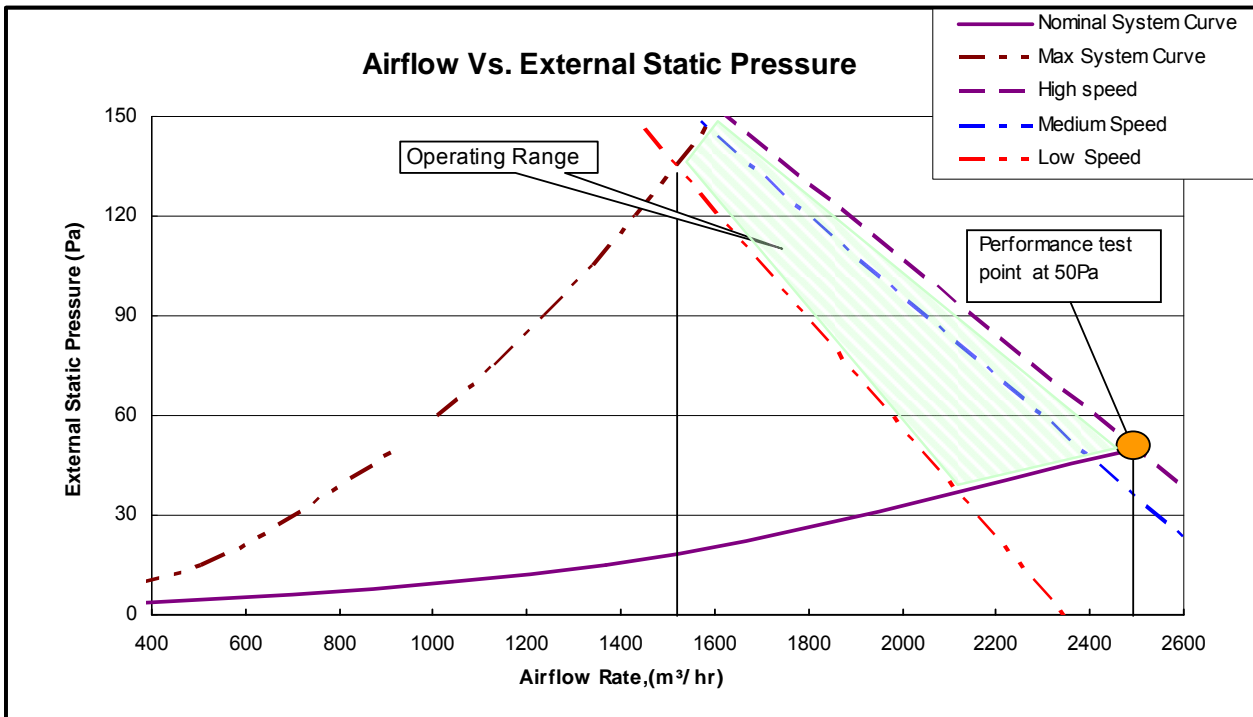
6.6 Model: DAF036



6.7 Model: DAF042



6.8 Model: DAF060



7. SOUND LEVEL CHARACTERISTICS

7.1 Sound Pressure Level

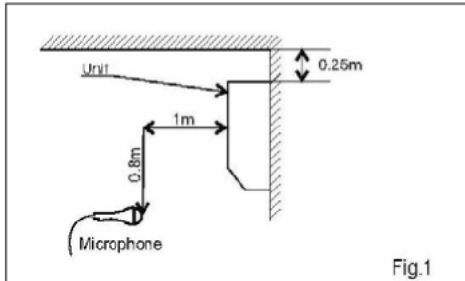


Figure 1. Wall Mounted

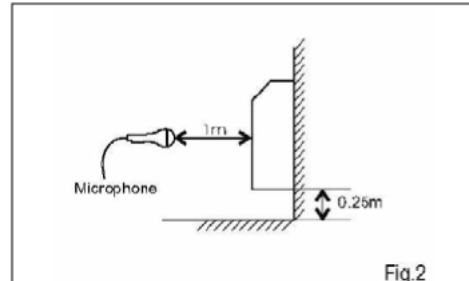


Figure 2. Floor Mounted

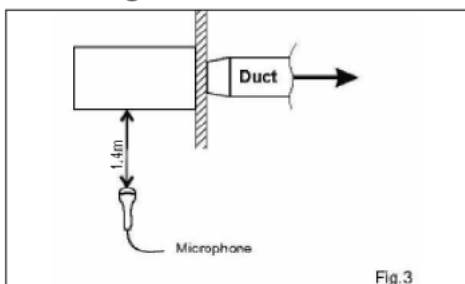


Figure 3. Ducted

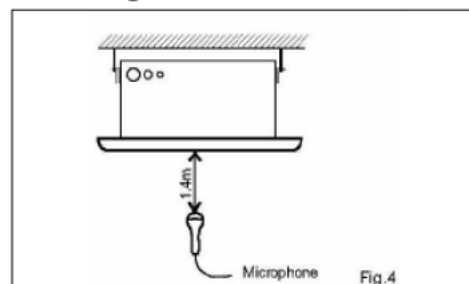
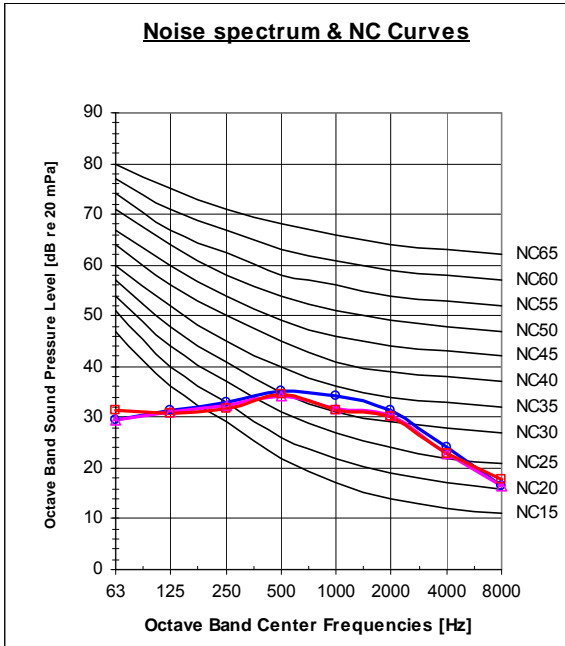


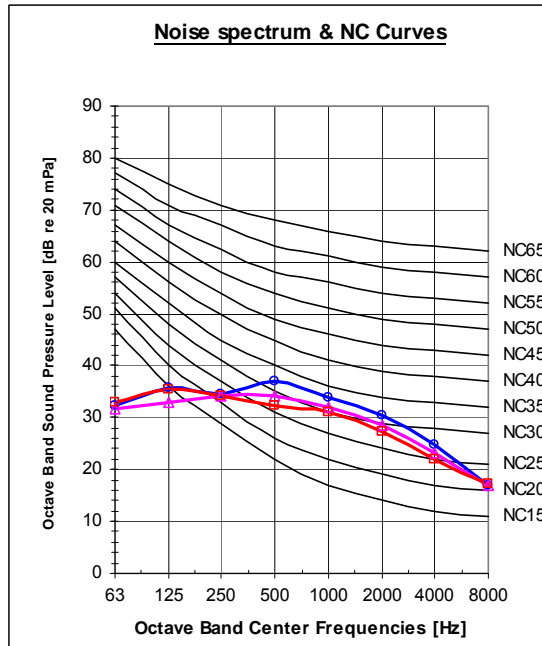
Figure 4. Cassette

7.2 Ducted IDU Sound Pressure Level (measured as figure 3)

DAF 009 Cooling

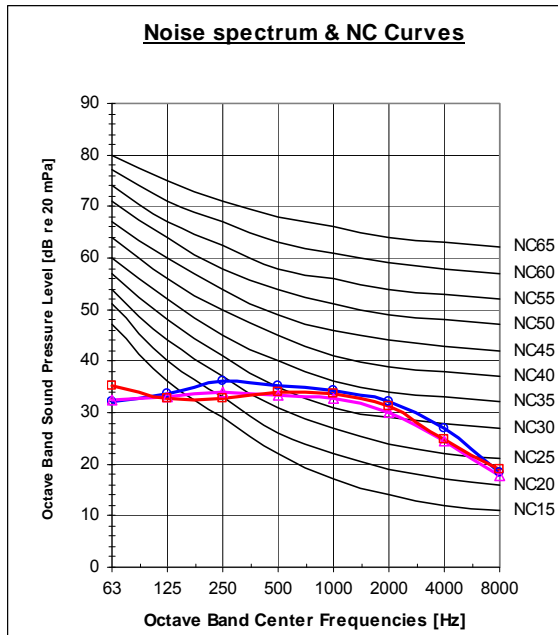


DAF 009 Heating

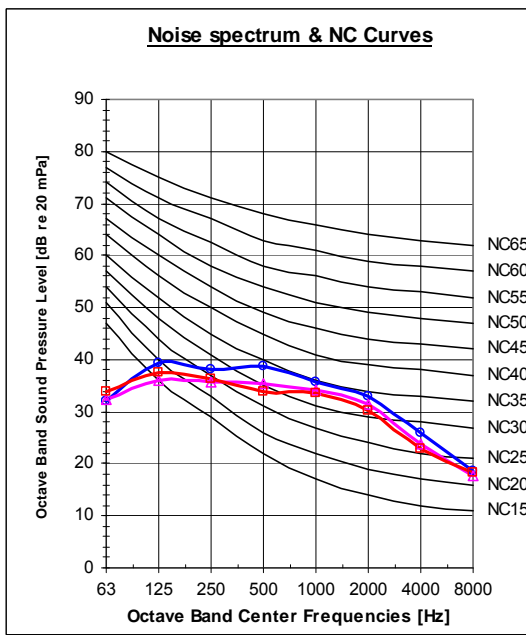


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 012 Cooling

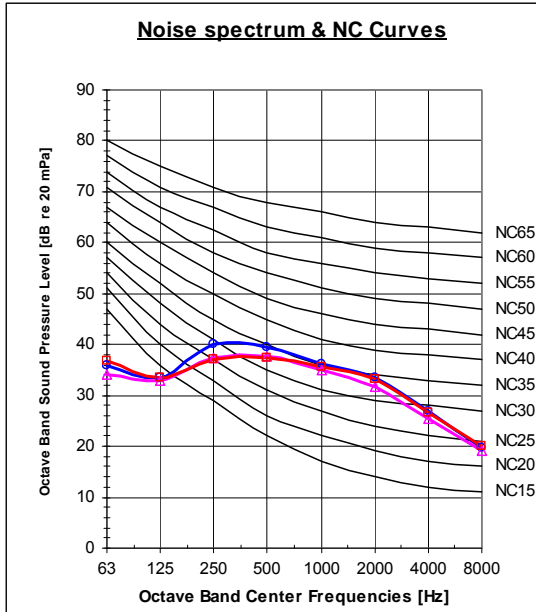


DAF 012 Heating

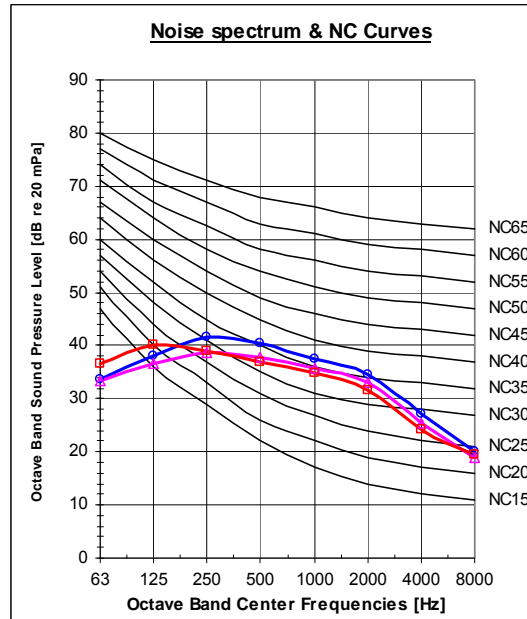


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 018 Cooling

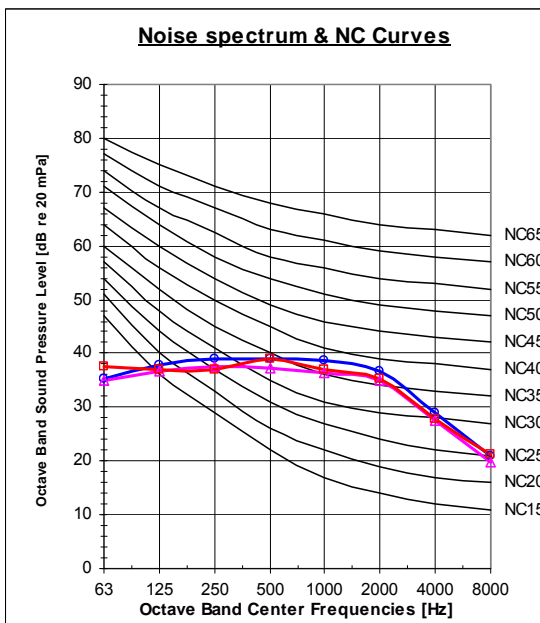


DAF 018 Heating

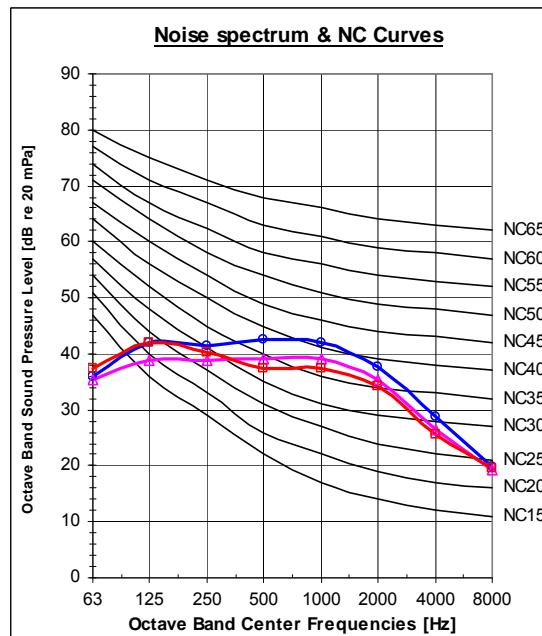


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 024 Cooling

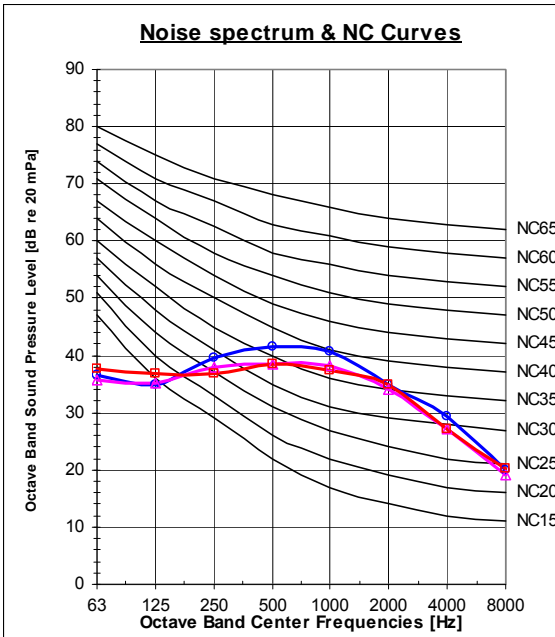


DAF 024 Heating



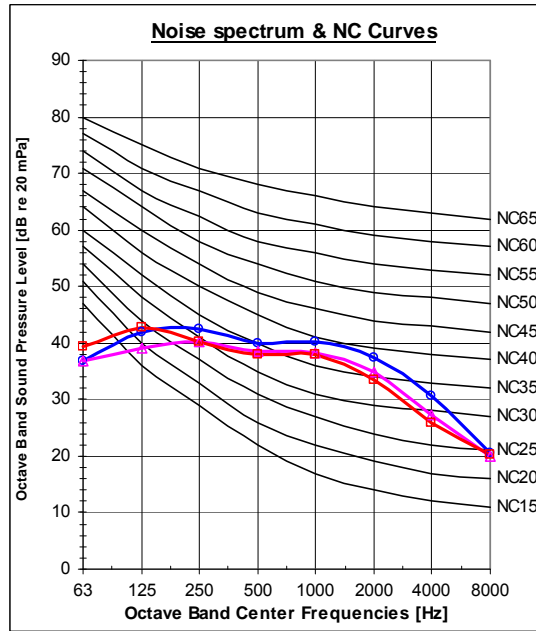
| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 030 Cooling

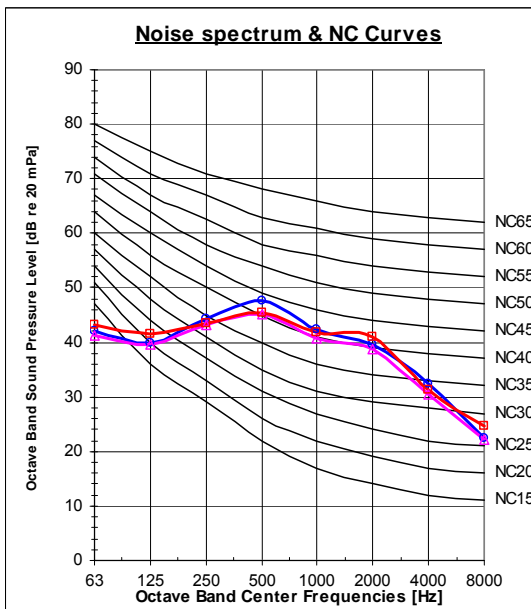


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 030 Heating

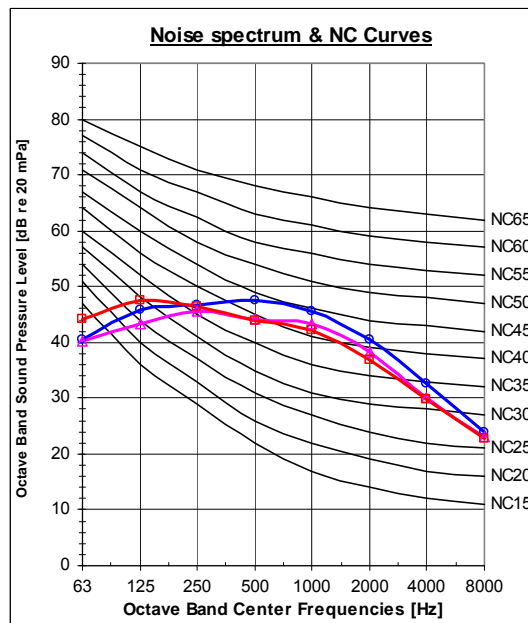


DAF 036 Cooling

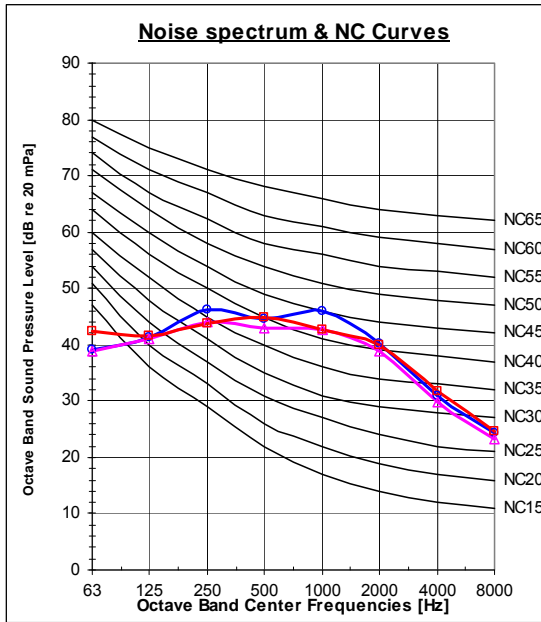


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 036 Heating

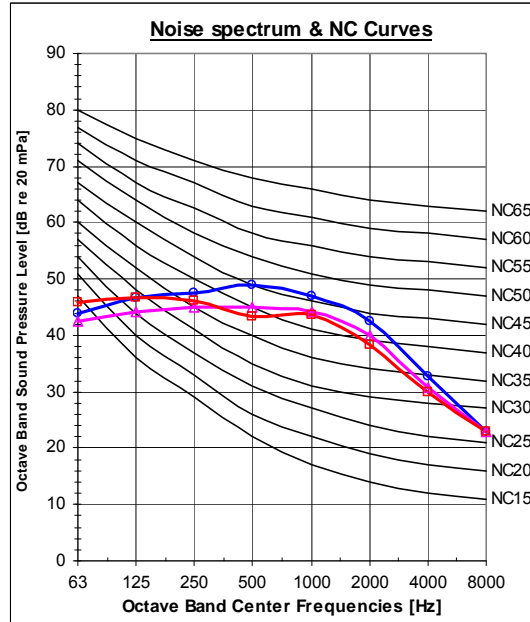


DAF 042 Cooling

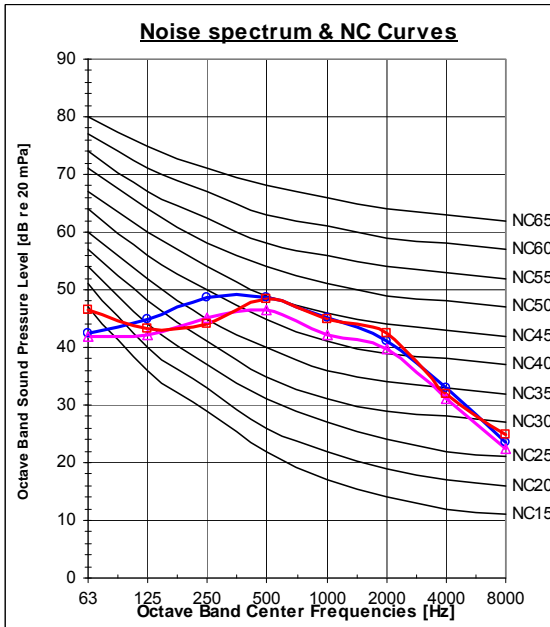


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 042 Heating

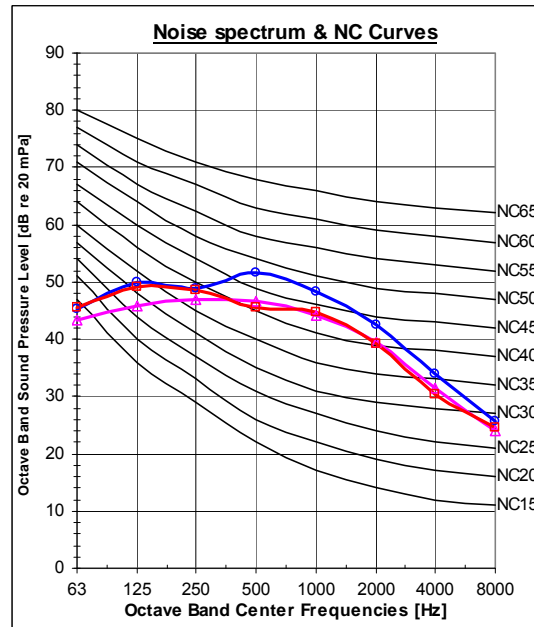


DAF 060 Cooling



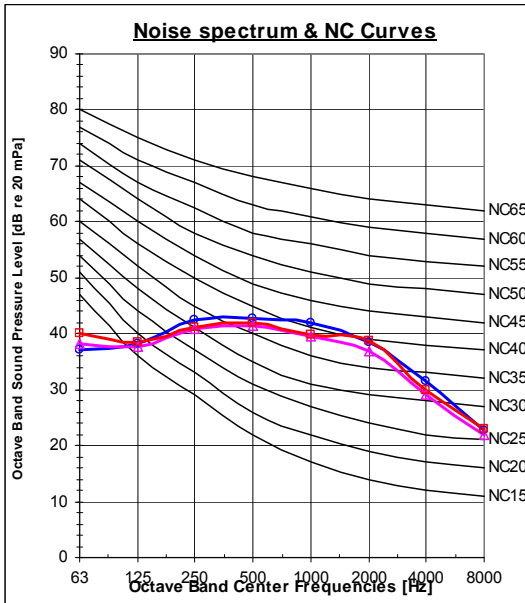
| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

DAF 060 Heating



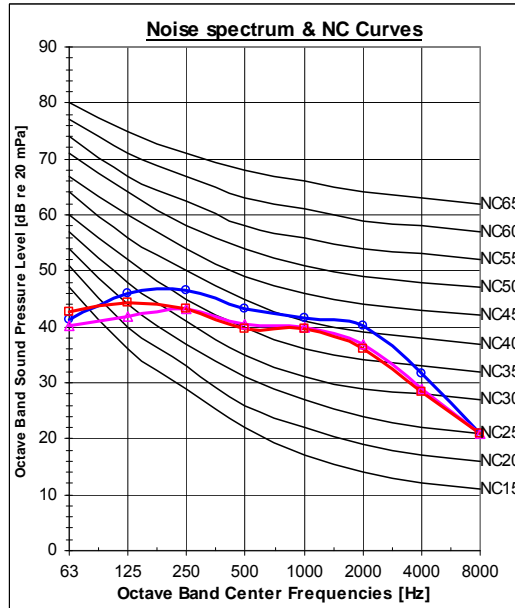
7.3 **Cassette IDU Sound Pressure Level (measured as figure 4)**

CAF012 Cooling

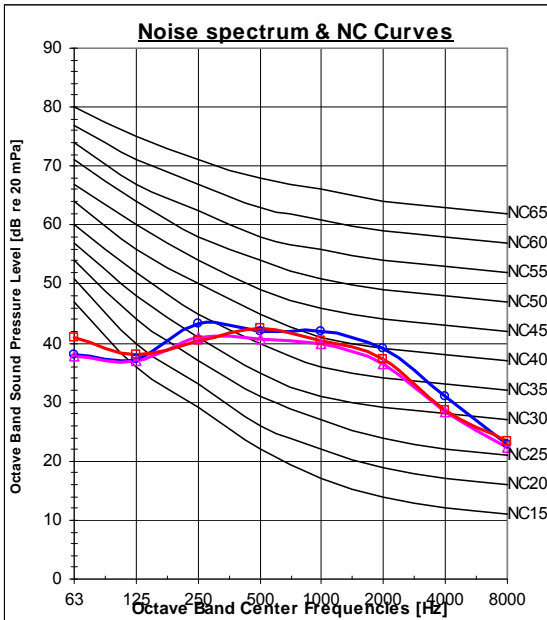


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

CAF012 Heating

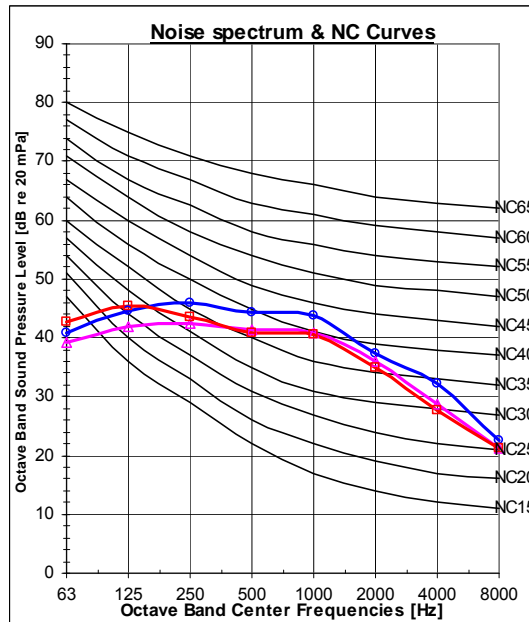


CAF018 Cooling

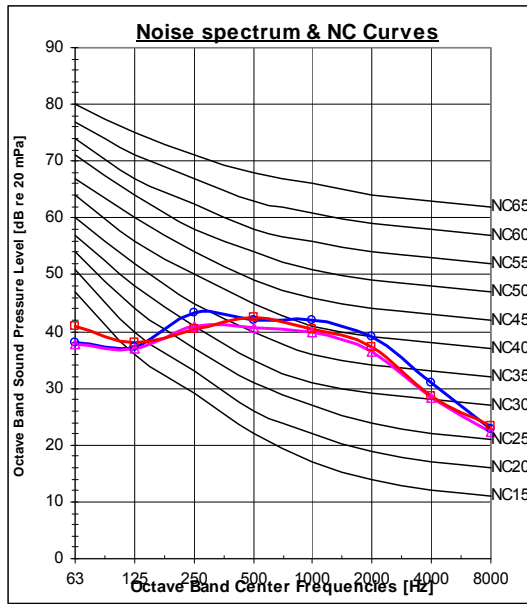


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

CAF018 Heating

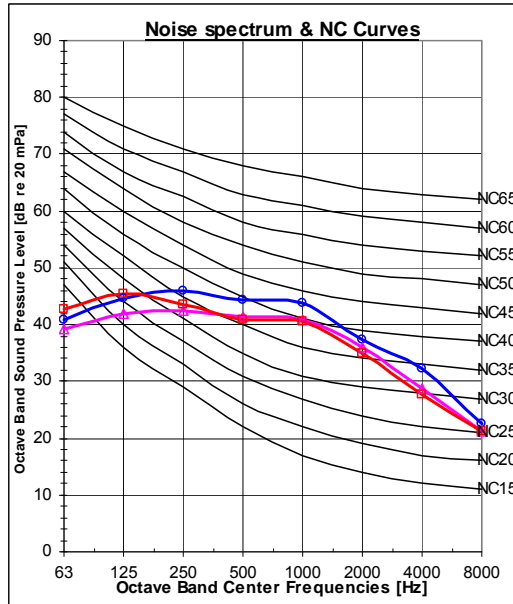


CAF024 Cooling

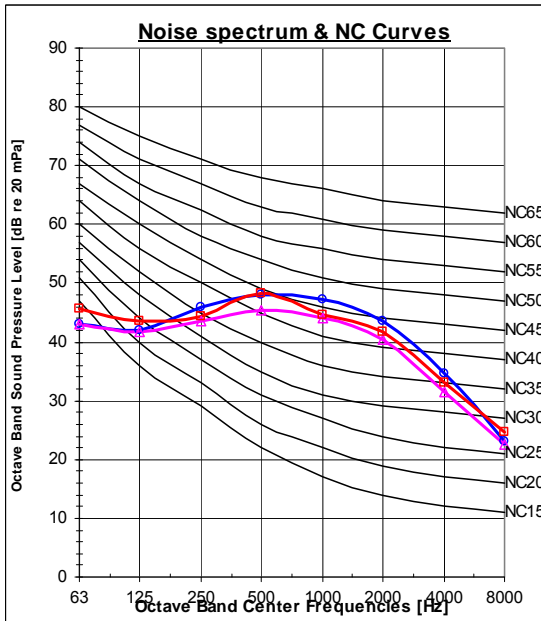


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

CAF024 Heating

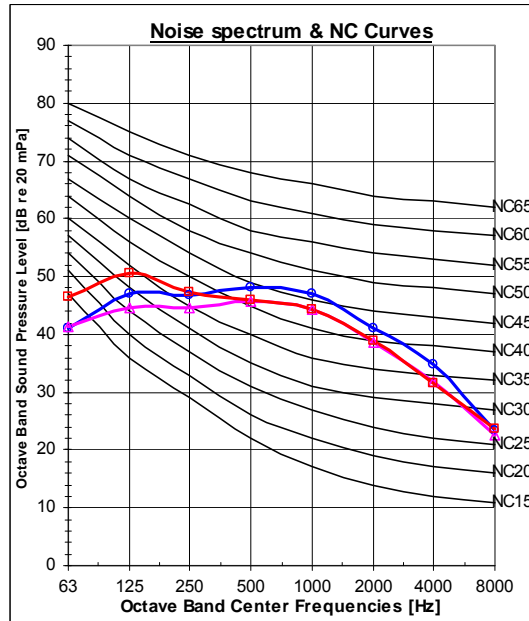


CAF030 Cooling

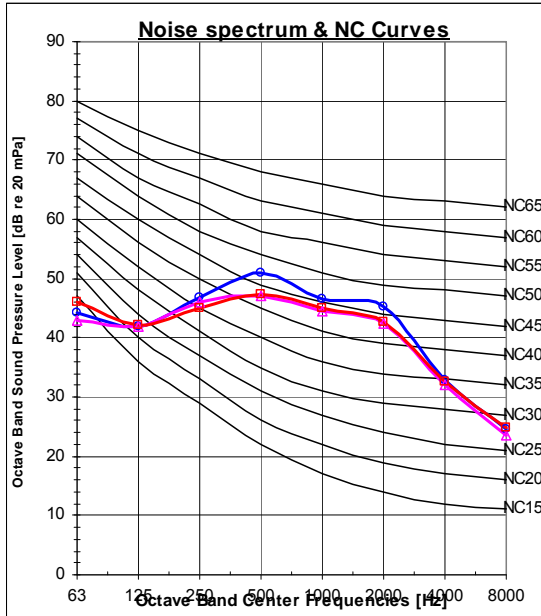


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

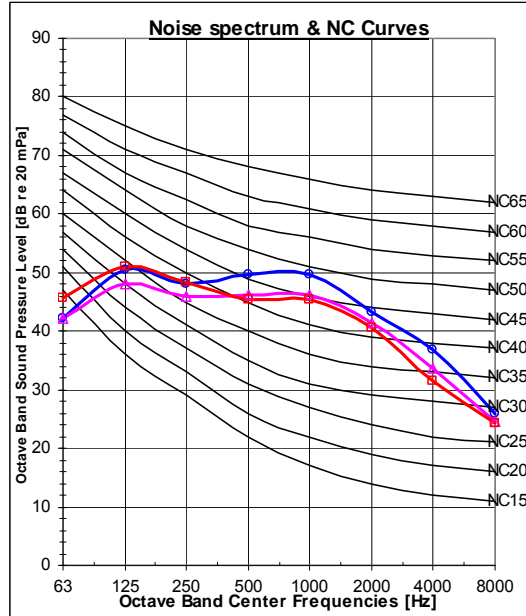
CAF030 Heating



CAF036 Cooling

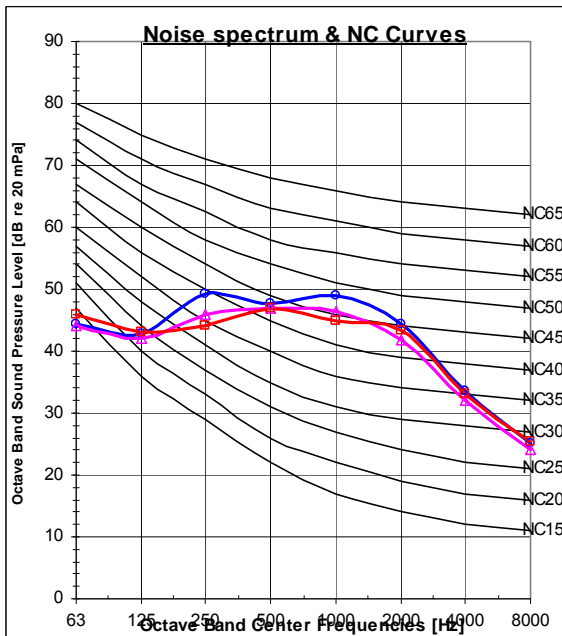


CAF036 Heating

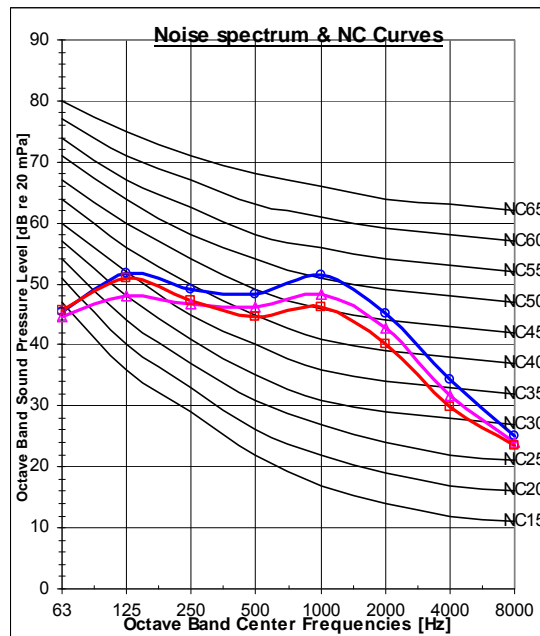


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

CAF042 Cooling



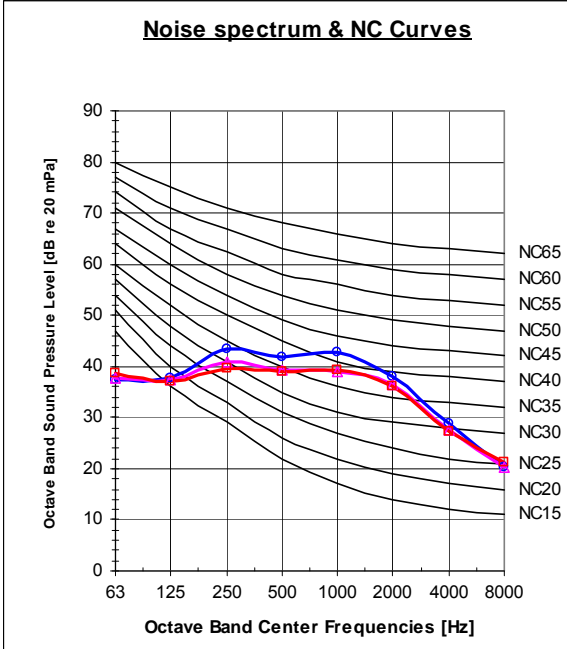
CAF042 Heating



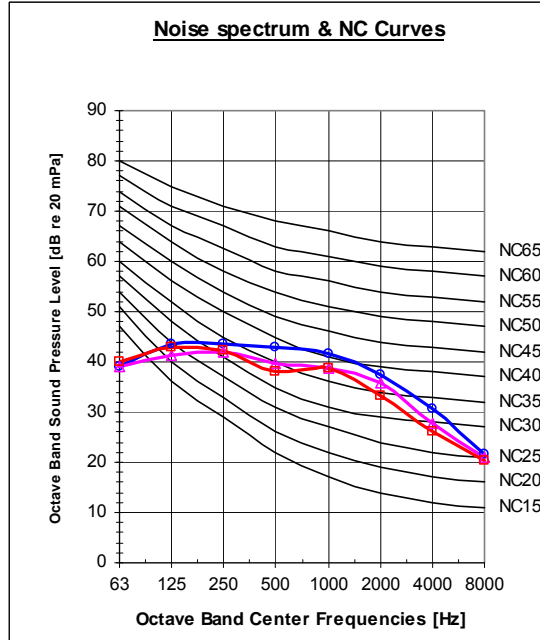
| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

7.4 Floor Ceiling IDU Sound Pressure Level (measured as figure 2)

FAF012 Cooling

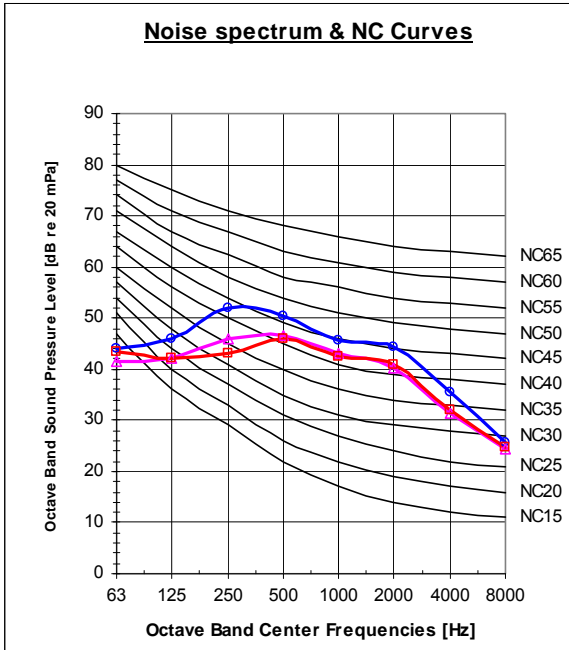


FAF012 Heating



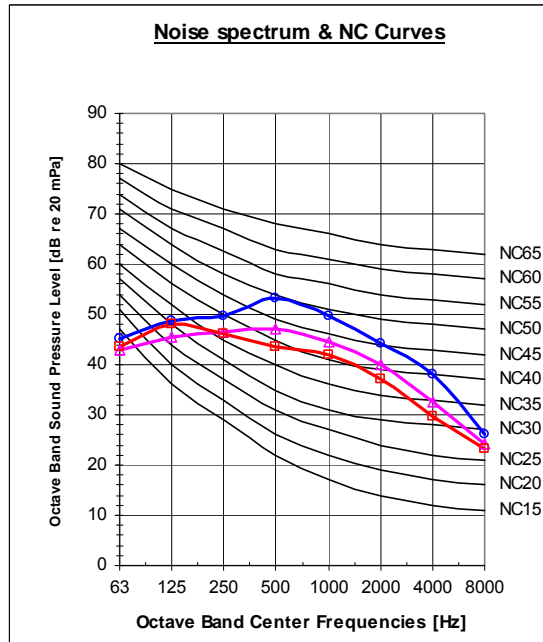
| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

FAF018 Cooling

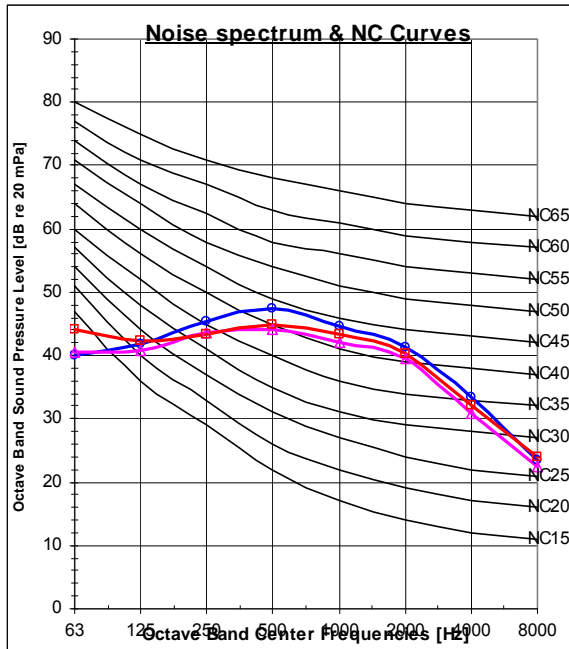


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

FAF018 Heating

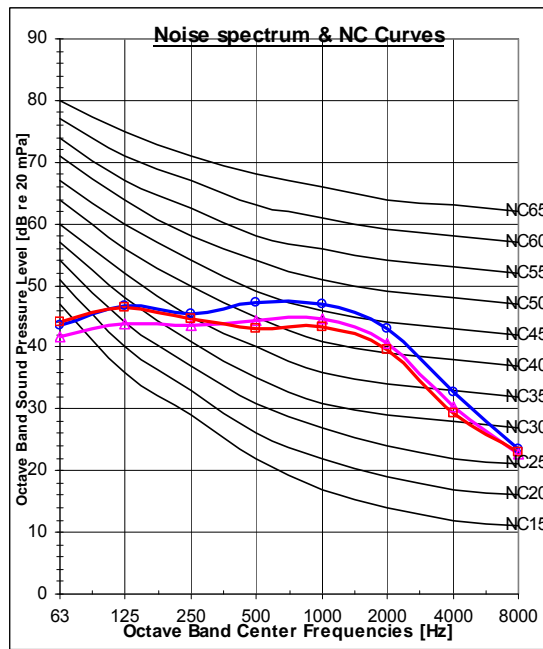


FAF024 Cooling

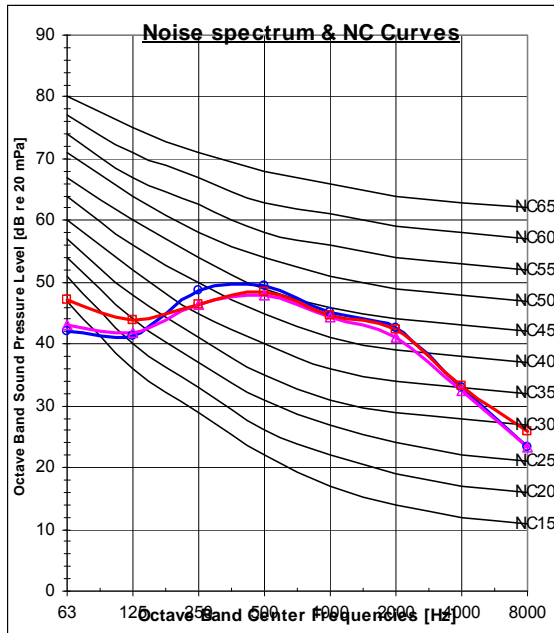


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

FAF024 Heating

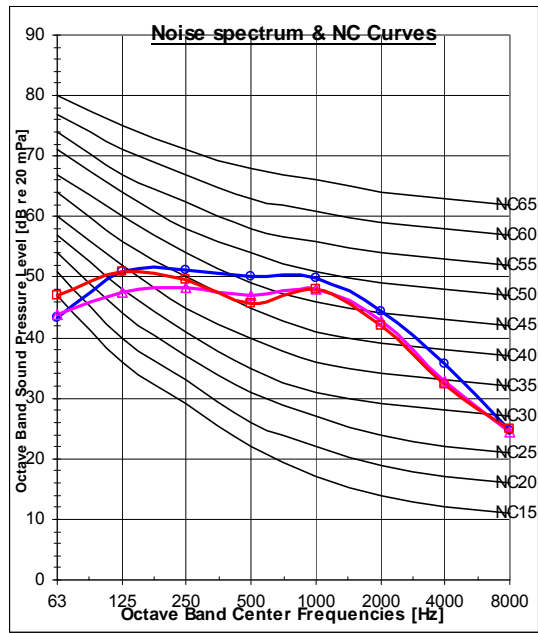


FAF030 Cooling

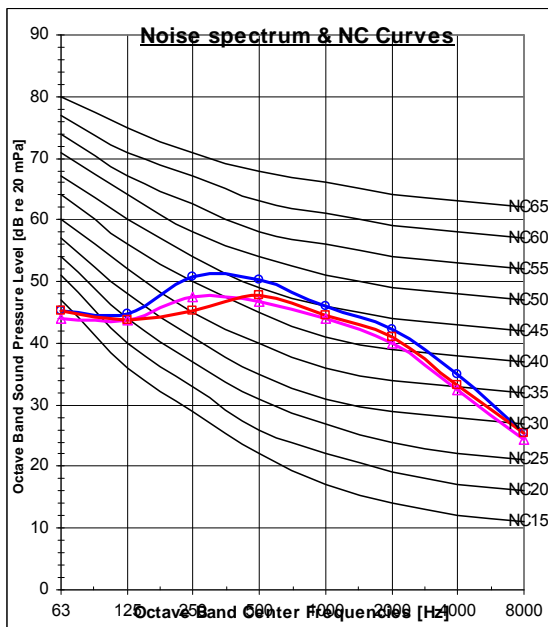


| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

FAF030 Heating

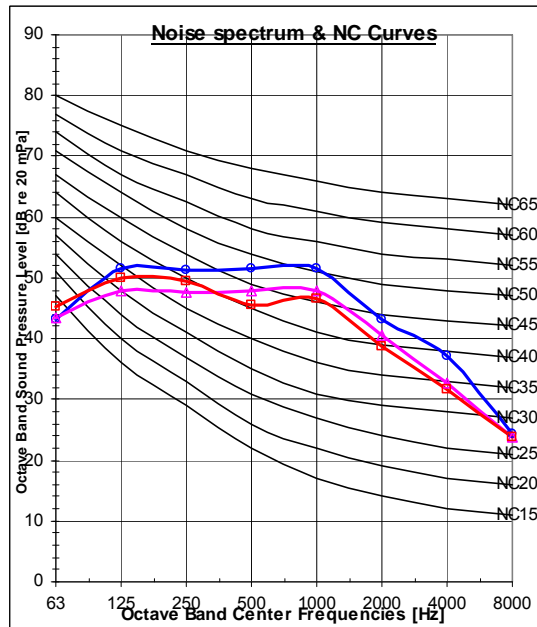


FAF036 Cooling



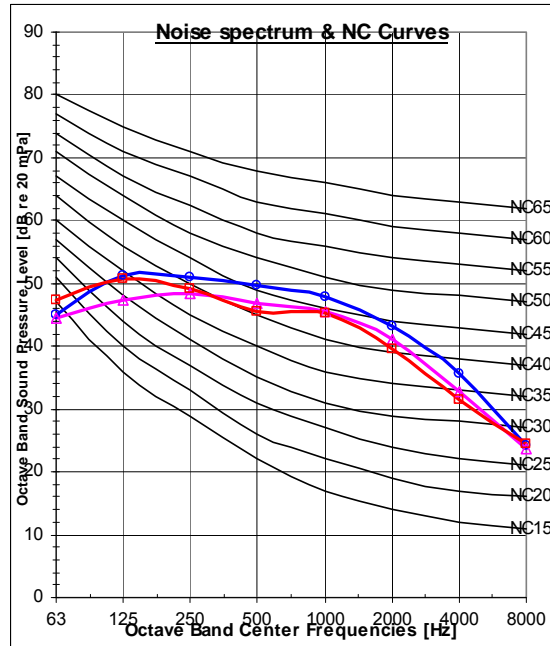
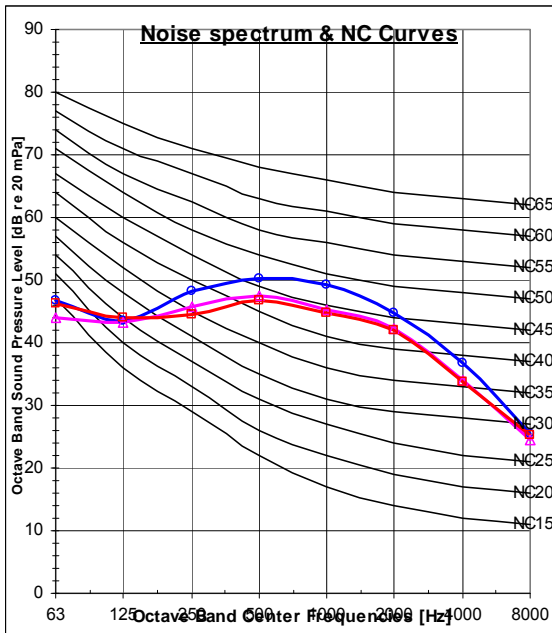
| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

FAF036 Heating



FAF042 Cooling

FAF042 Heating



| FAN SPEED | LINE |
|-----------|------|
| HI | —○— |
| ME | —△— |
| LO | —□— |

7.5 Outdoor units

| MODEL | | SPL dB(A) | SPW dB(A) |
|--------|---------|-----------------|-----------------|
| Indoor | Outdoor | Cooling/Heating | Cooling/Heating |
| | YIF009 | 55/55 | 65/65 |
| | YIF012 | 56/56 | 66/66 |
| | YIF018 | 56/56 | 66/66 |
| | YIF024 | 59/59 | 69/69 |
| | YIF030 | 59/59 | 69/69 |
| | YIF036 | 60/60 | 70/70 |
| | YIF036T | 60/60 | 70/70 |
| | YIF042 | 60/60 | 70/70 |
| | YIF060 | 64/64 | 74/74 |

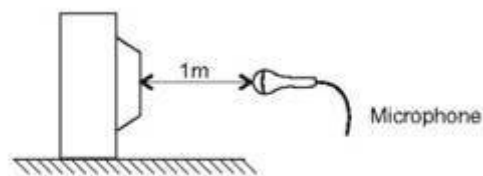
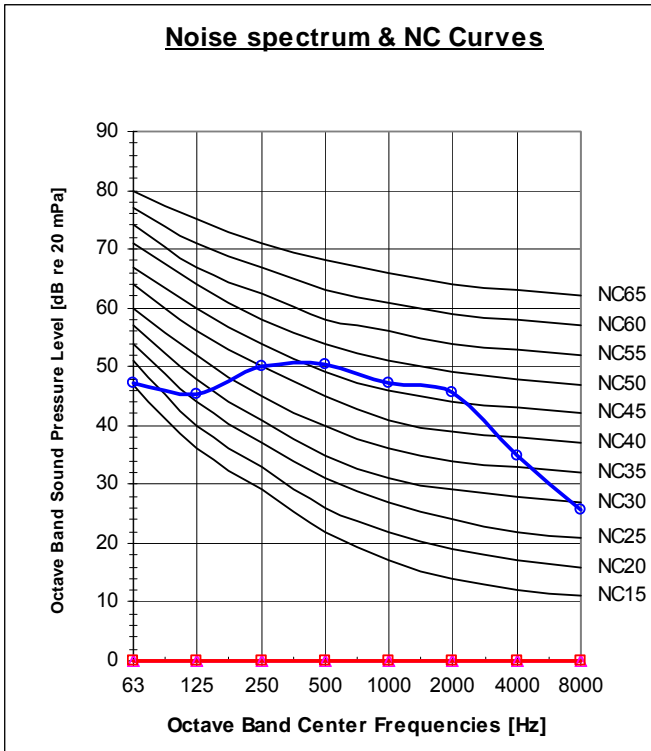


Fig.5

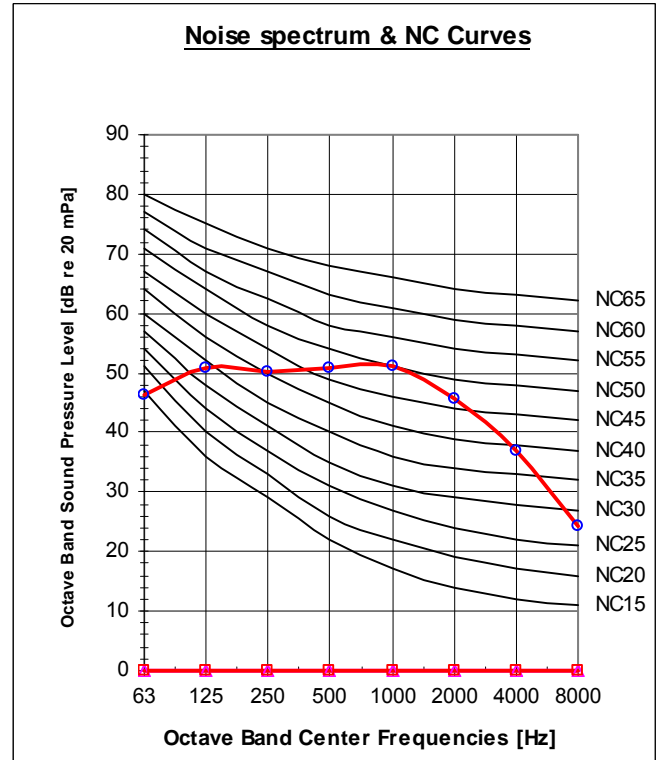
Figure 5. Microphone Distance from Unit

7.6 Sound Pressure Level Spectrum (Measured as Figure 5)

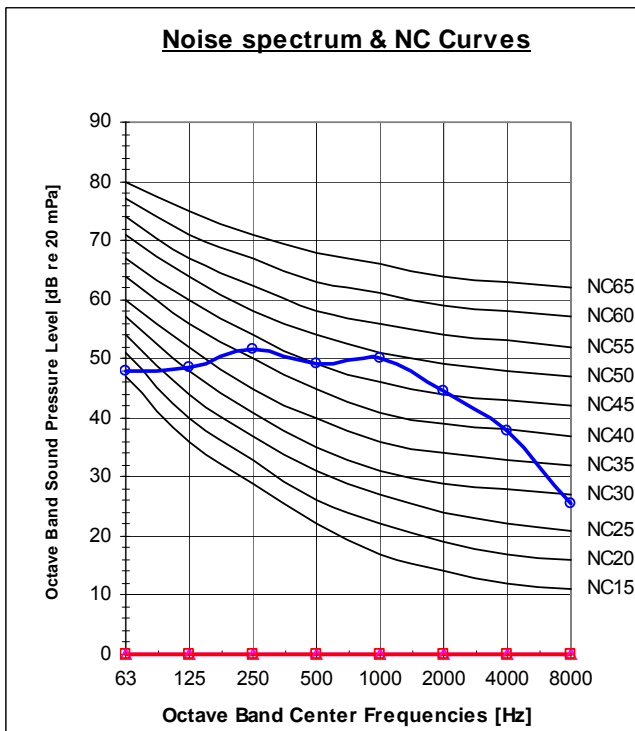
YIF009 Cooling



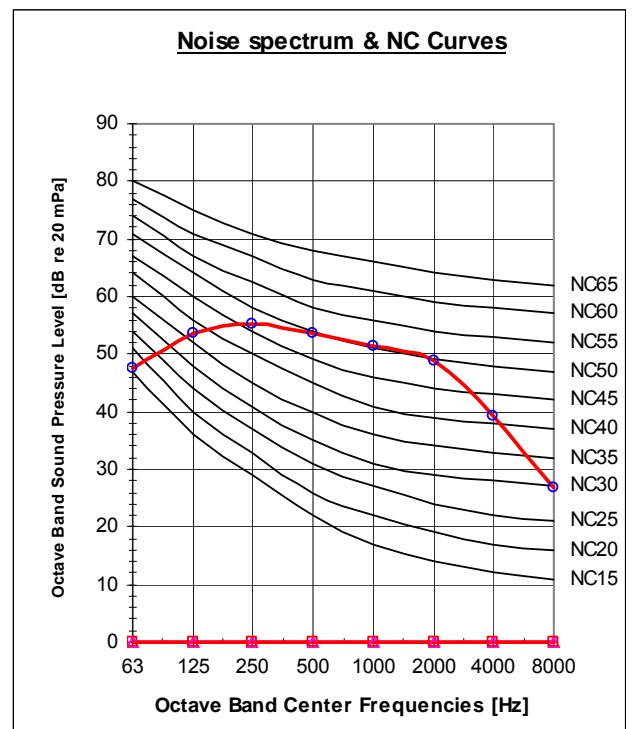
YIF009 Heating



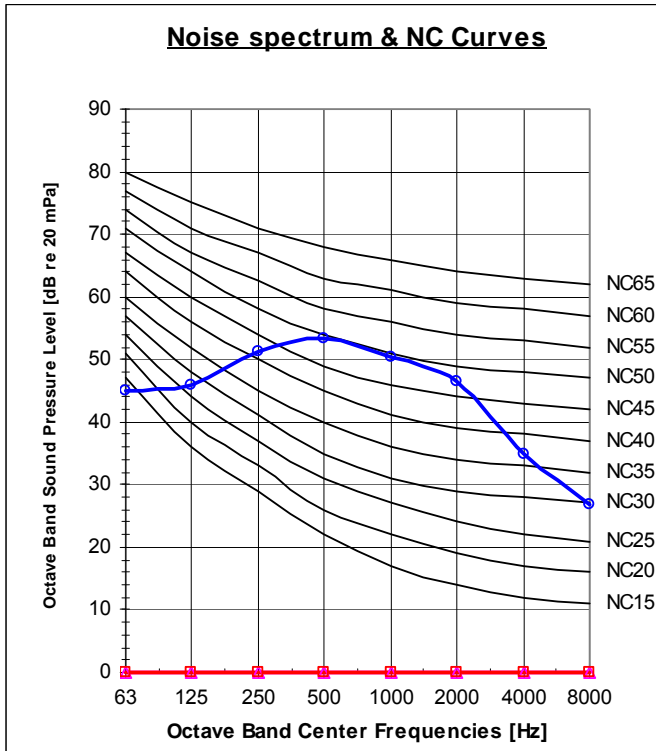
YIF012 Cooling



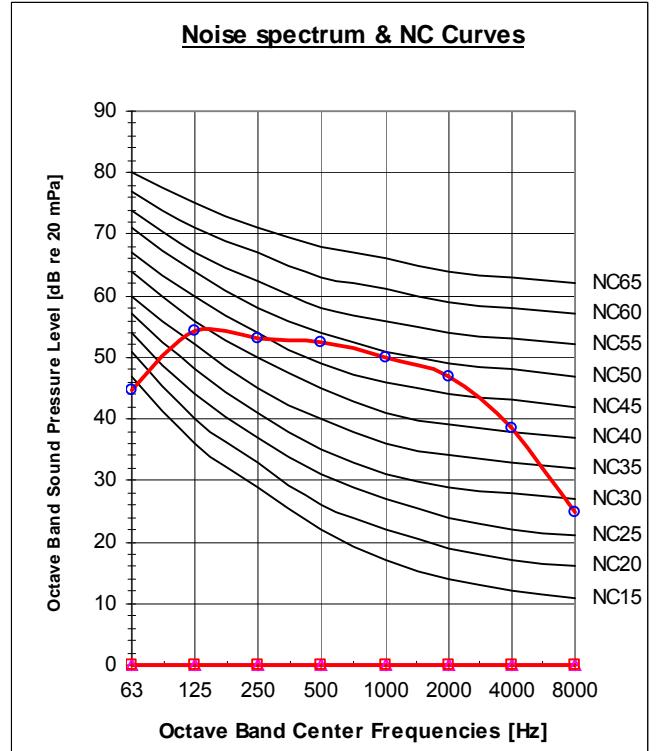
YIF012 Heating



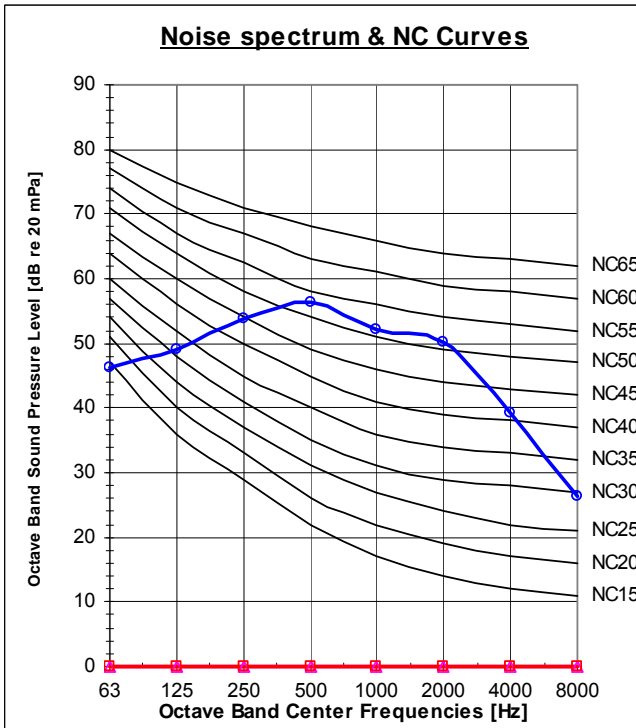
YIF018 Cooling



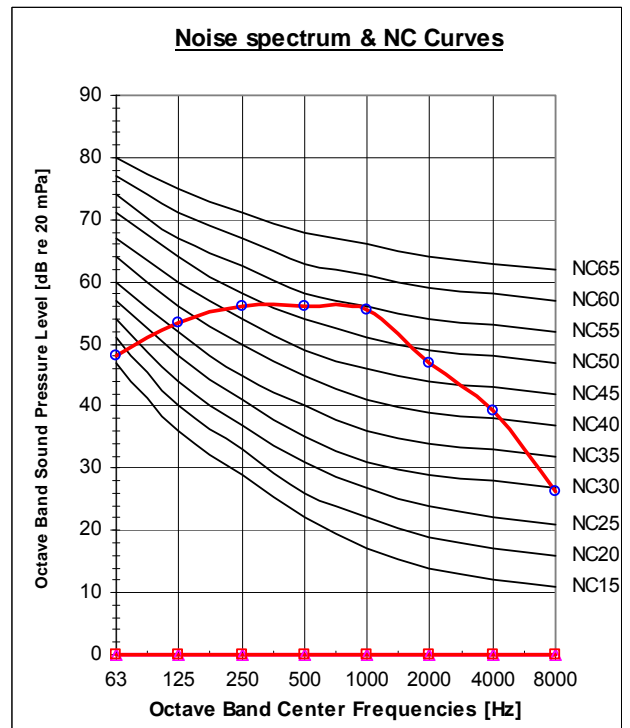
YIF018 Heating



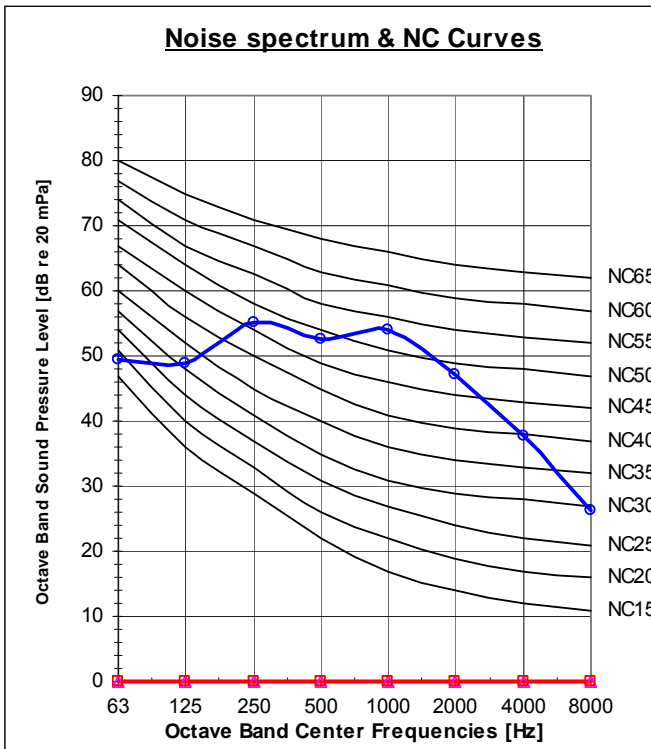
YIF024 Cooling



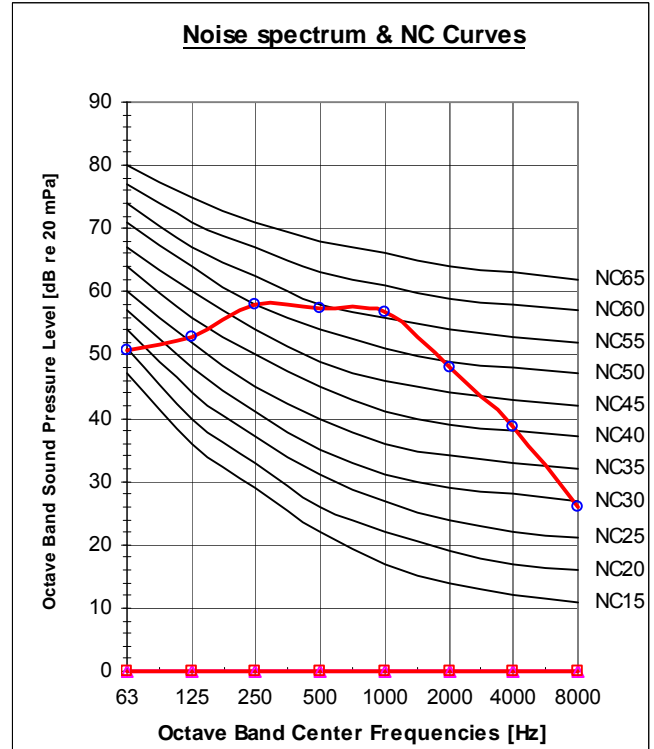
YIF024 Heating



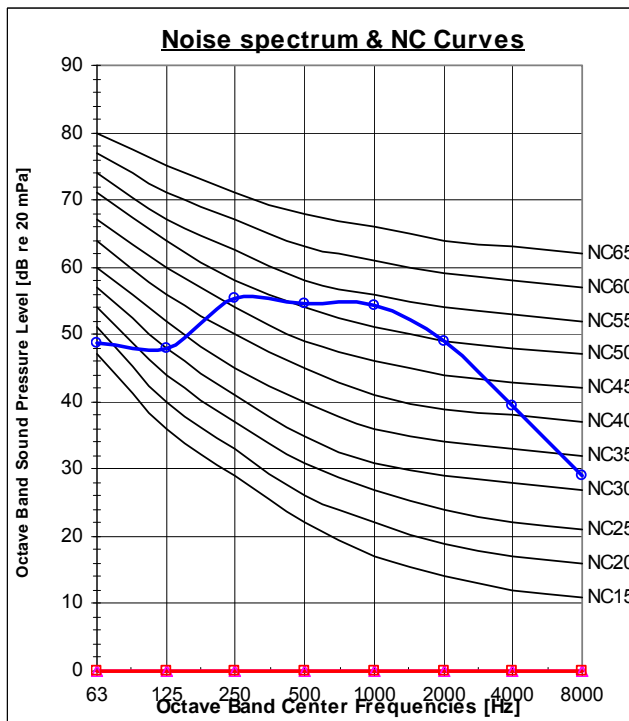
YIF030 Cooling



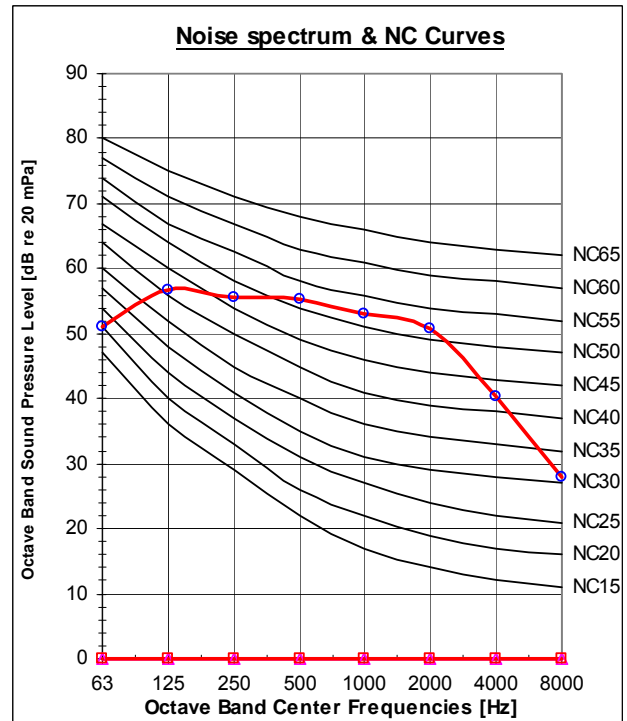
YIF030 Heating



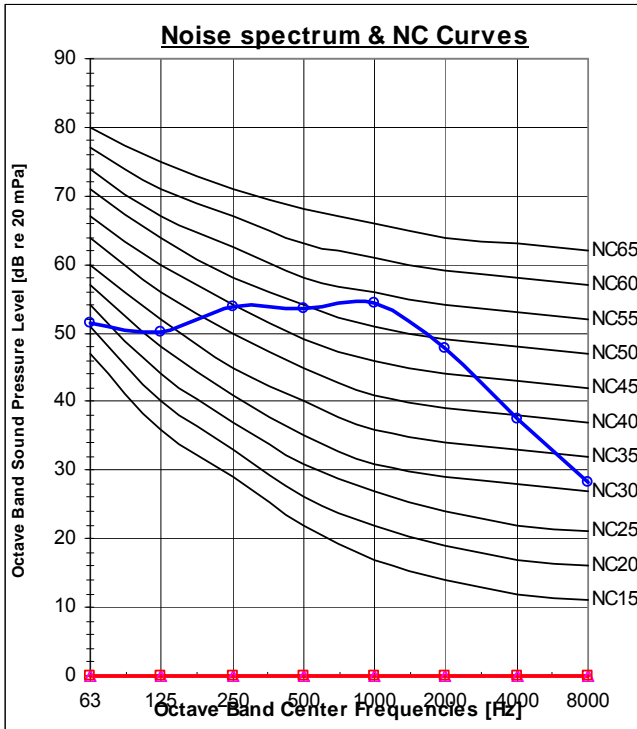
YIF036 Cooling



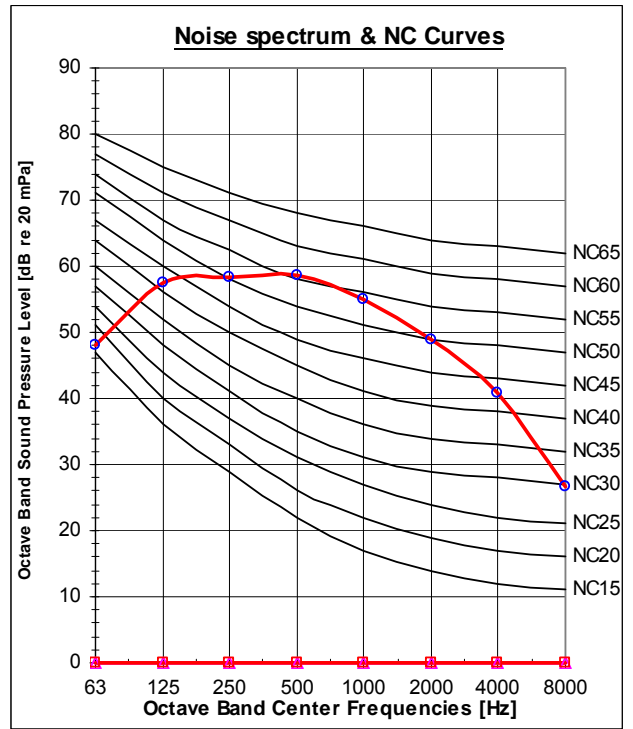
YIF036 Heating



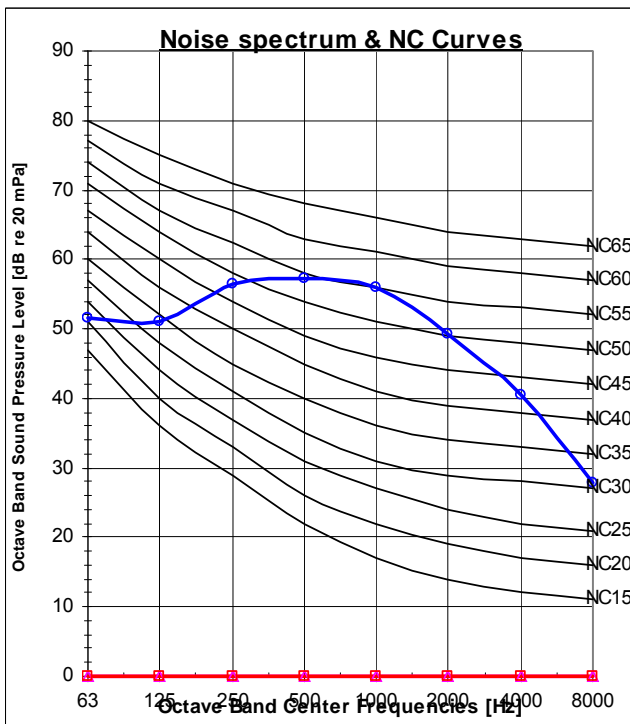
YIF036T Cooling



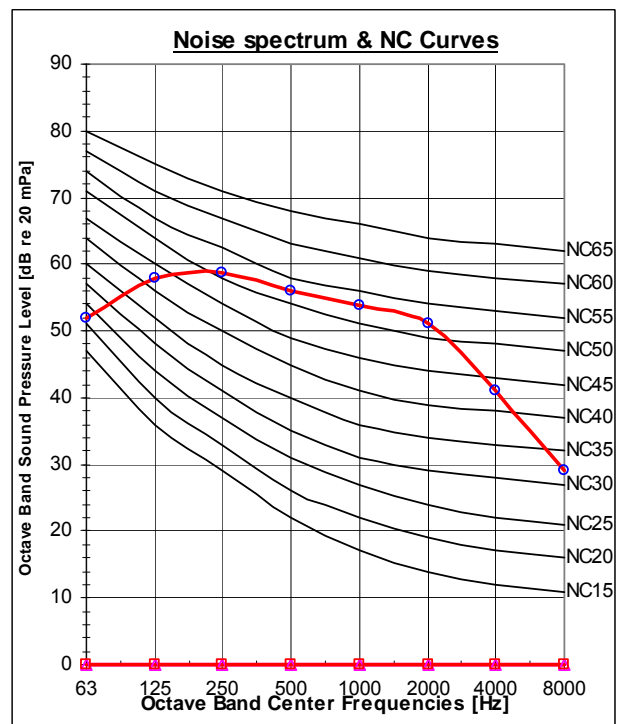
YIF036T Heating



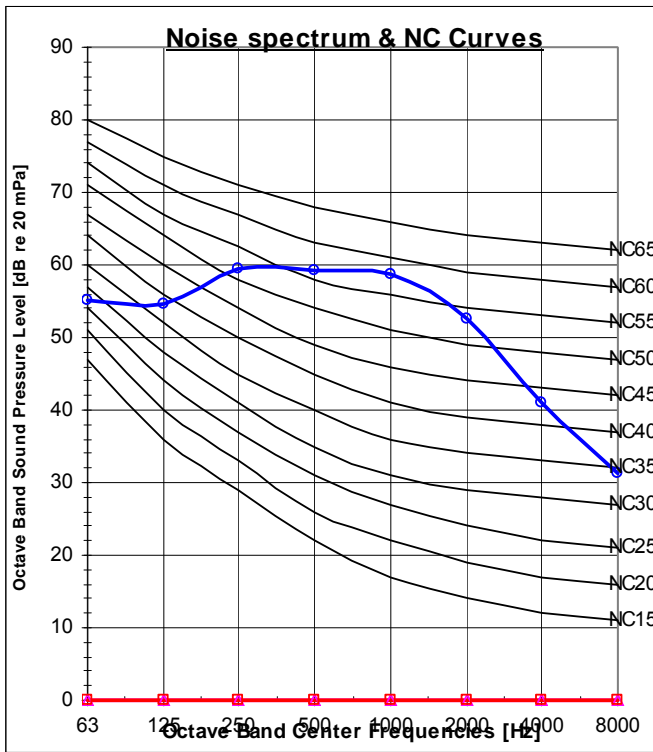
YIF042 Cooling



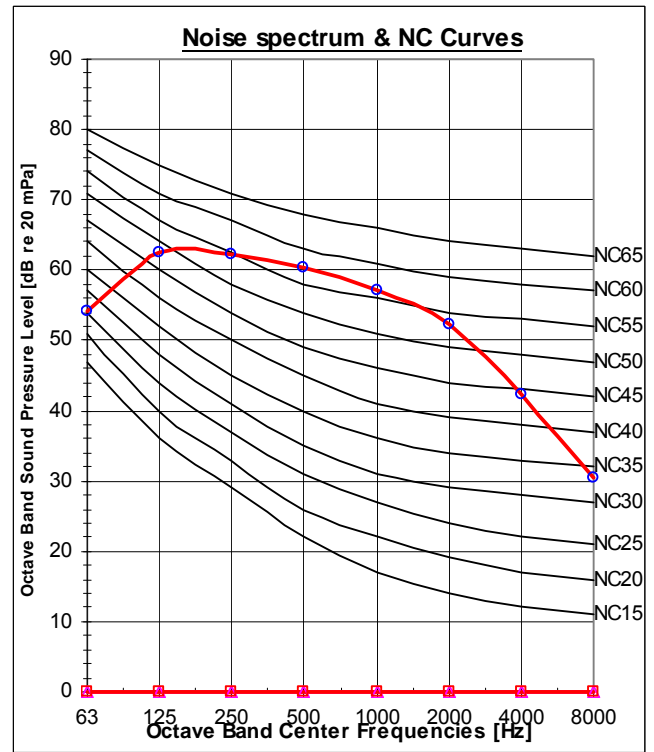
YIF042 Heating



YIF060 Cooling



YIF060 Heating



8. ELECTRICAL DATA

8.1 Indoor units Ducted

| Model | Power Supply (V, Ph, Hz) | Circuit Breaker | Power Supply Wiring No. X Cross Section |
|--------|-----------------------------|-----------------|---|
| | | (A) | (mm ²) |
| DAF009 | 220-240, 1, 50 | 6 | 3 X1.5 |
| DAF012 | 220-240, 1, 50 | 6 | 3 X1.5 |
| DAF018 | 220-240, 1, 50 | 6 | 3 X1.5 |
| DAF024 | 220-240, 1, 50 | 6 | 3 X1.5 |
| DAF030 | 220-240, 1, 50 | 6 | 3 X1.5 |
| DAF036 | 220-240, 1, 50 | 10 | 3 X1.5 |
| DAF042 | 220-240, 1, 50 | 10 | 3 X1.5 |
| DAF060 | 220-240, 1, 50 | 10 | 3 X1.5 |

8.2 Indoor units Floor/Ceiling

| Model | Power Supply (V, Ph, Hz) | Capability of Air Switch (A) | Minimum Sectional Area of Earth Wire (mm ²) |
|--------|-----------------------------|------------------------------------|--|
| FAF012 | 220-240, 1, 50 | 6 | 3 X1.5 |
| FAF018 | 220-240, 1, 50 | 6 | 3 X1.5 |
| FAF024 | 220-240, 1, 50 | 6 | 3 X1.5 |
| FAF030 | 220-240, 1, 50 | 6 | 3 X1.5 |
| FAF036 | 220-240, 1, 50 | 6 | 3 X1.5 |
| FAF042 | 220-240, 1, 50 | 6 | 3 X1.5 |

8.3 Indoor units Cassette

| Model | Power Supply (V, Ph, Hz) | Capability of Air Switch | Minimum Sectional Area of Earth Wire |
|--------|-----------------------------|-----------------------------|--|
| | | (A) | (mm ²) |
| CAF012 | 220-240, 1, 50 | 6 | 3 X1.5 |
| CAF018 | 220-240, 1, 50 | 6 | 3 X1.5 |
| CAF024 | 220-240, 1, 50 | 6 | 3 X1.5 |
| CAF030 | 220-240, 1, 50 | 6 | 3 X1.5 |
| CAF036 | 220-240, 1, 50 | 6 | 3 X1.5 |
| CAF042 | 220-240, 1, 50 | 6 | 3 X1.5 |

8.4 Outdoor units

| Model | Power Supply (V, Ph, Hz) | Circuit Breaker | Power Supply Wiring No. X Cross Section | Interconnecting Cable Model No. X Cross Section |
|---------|-----------------------------|-----------------|---|--|
| | | (A) | (mm ²) | (mm ²) |
| YIF009 | 220-240, 1, 50 | 10 | 3 X2.5 | 2 X0.75 |
| YIF012 | 220-240, 1, 50 | 13 | 3 X2.5 | 2 X0.75 |
| YIF018 | 220-240, 1, 50 | 20 | 3 X2.5 | 2 X0.75 |
| YIF024 | 220-240, 1, 50 | 25 | 3 X2.5 | 2 X0.75 |
| YIF030 | 220-240, 1, 50 | 30 | 3 X6.0 | 2 X0.75 |
| YIF036 | 220-240, 1, 50 | 40 | 3 X6.0 | 2 X0.75 |
| YIF036T | 380-415, 3, 50 | 16 | 5 X4.0 | 2 X0.75 |
| YIF042T | 380-415, 3, 50 | 20 | 5 X4.0 | 2 X0.75 |
| YIF060T | 380-415, 3, 50 | 20 | 5 X4.0 | 2 X0.75 |

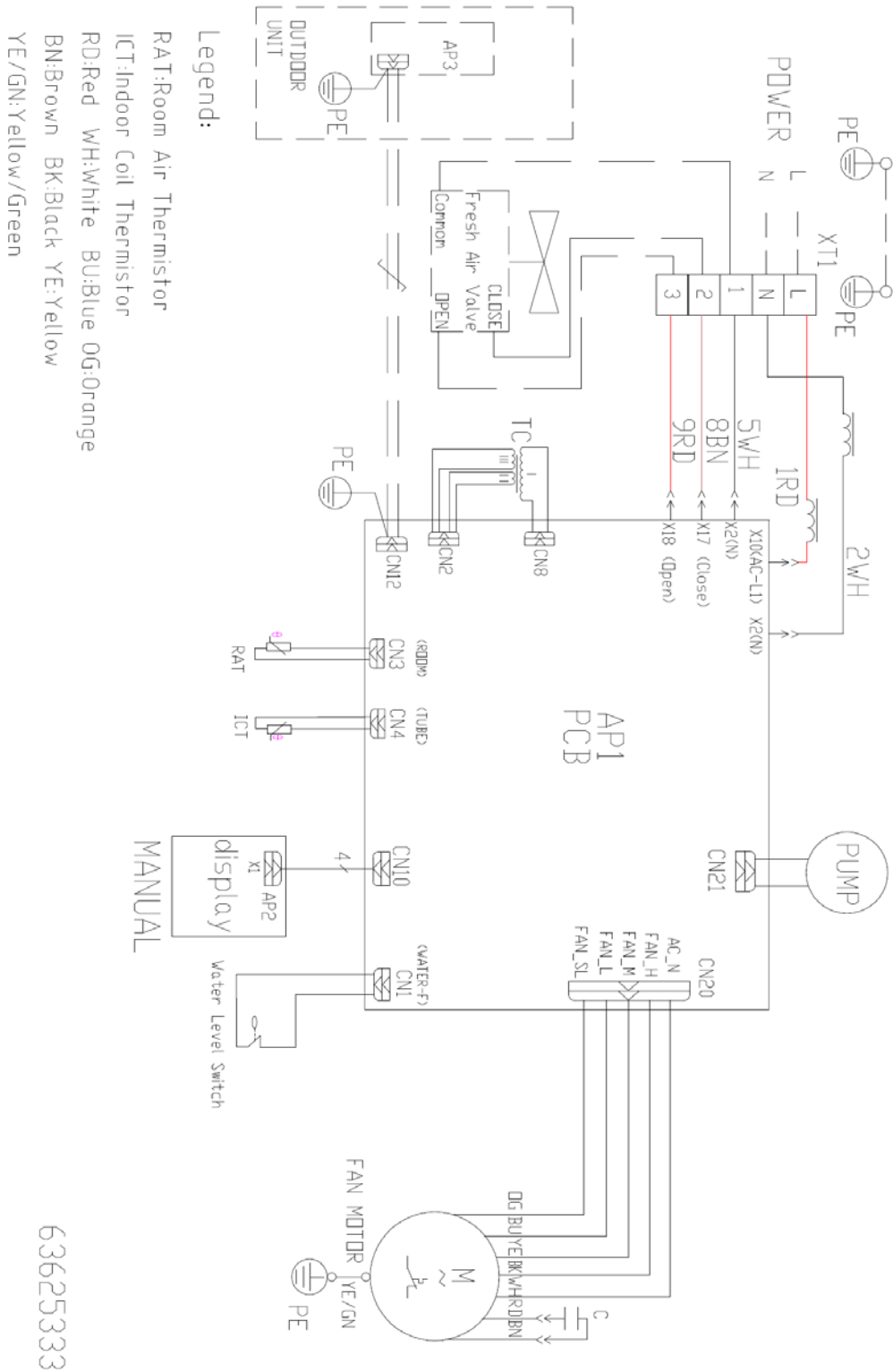
NOTE

Power wiring cord should comply with local laws and electrical regulations requirements.

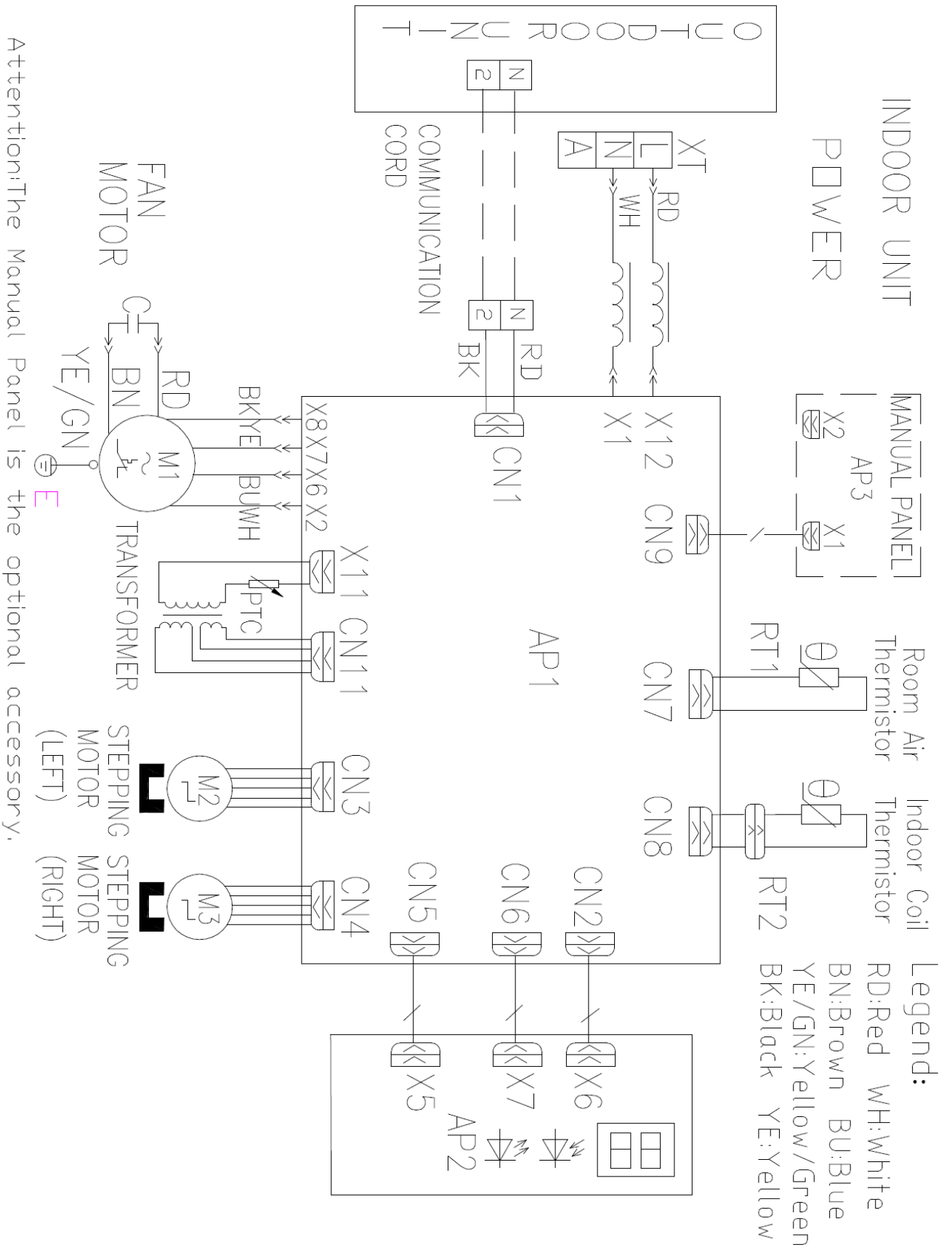
9. WIRING DIAGRAM

9.1 Indoor unit

9.1.1 Ducted type: for all models



9.1.2 Floor ceiling type: for all models

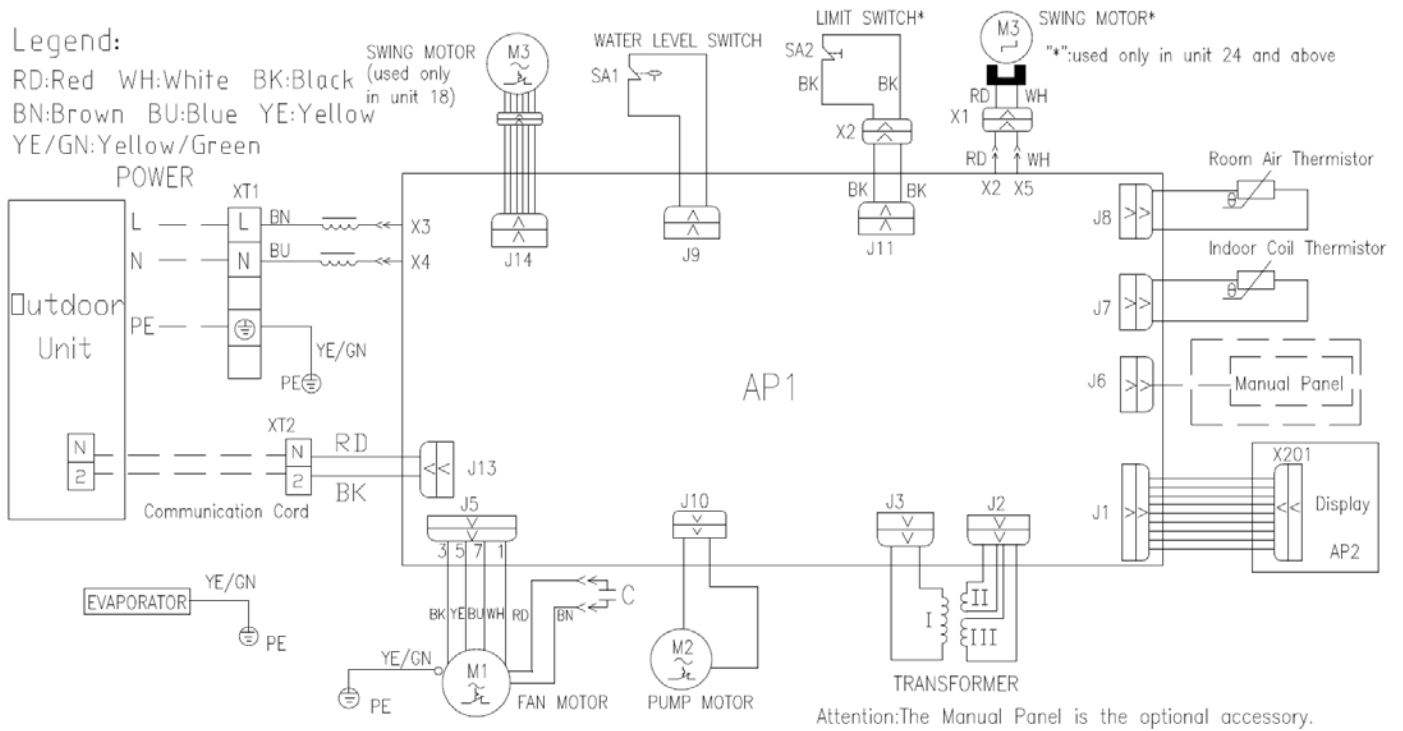


Attention: The Manual Panel is the optional accessory.

9.1.3 Cassette type: for CAF012 018 024

Legend:

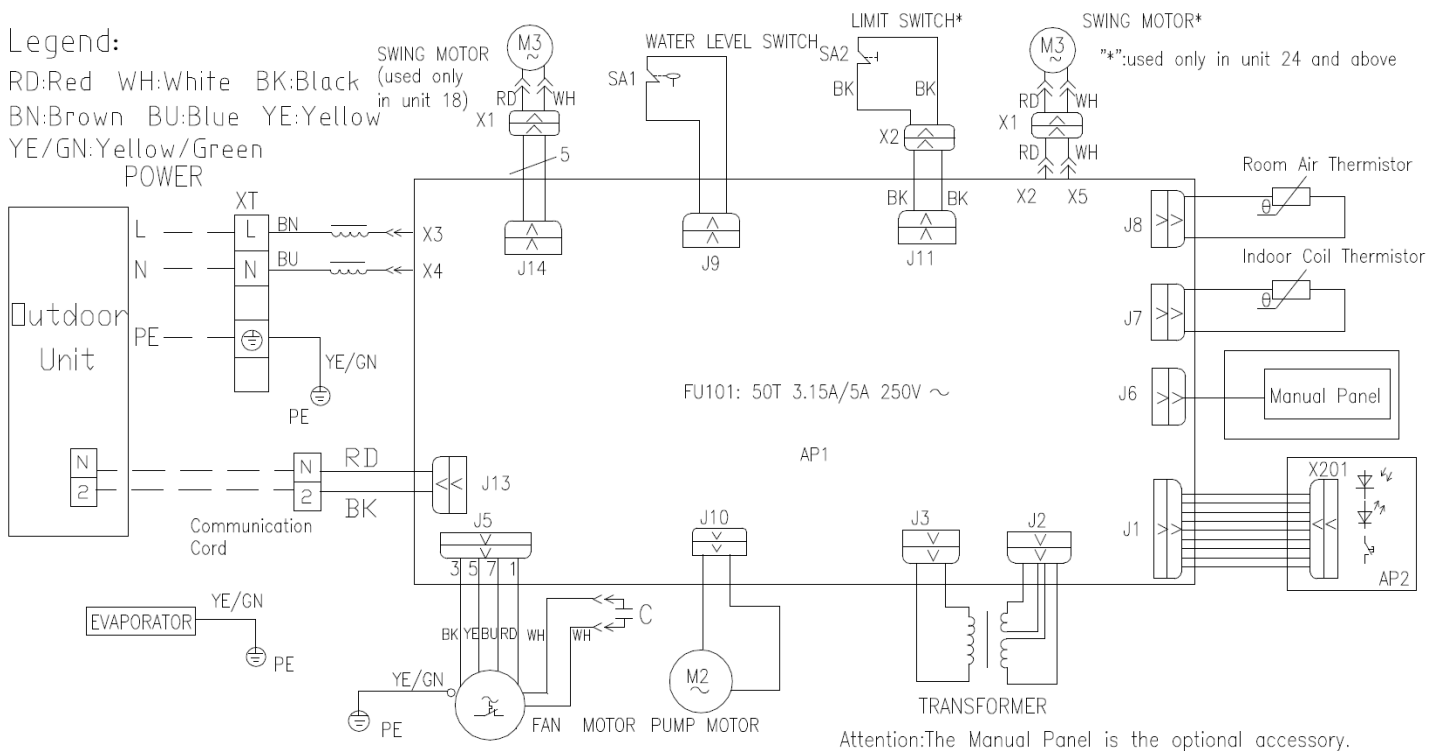
RD:Red WH:White BK:Black
 BN:Brown BU:Blue YE:Yellow
 YE/GN:Yellow/Green



9.1.4 Cassette type: for CAF 030 036 042

Legend:

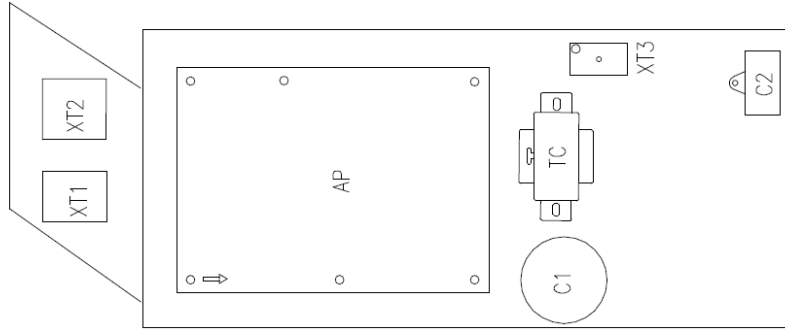
RD:Red WH:White BK:Black
 BN:Brown BU:Blue YE:Yellow
 YE/GN:Yellow/Green



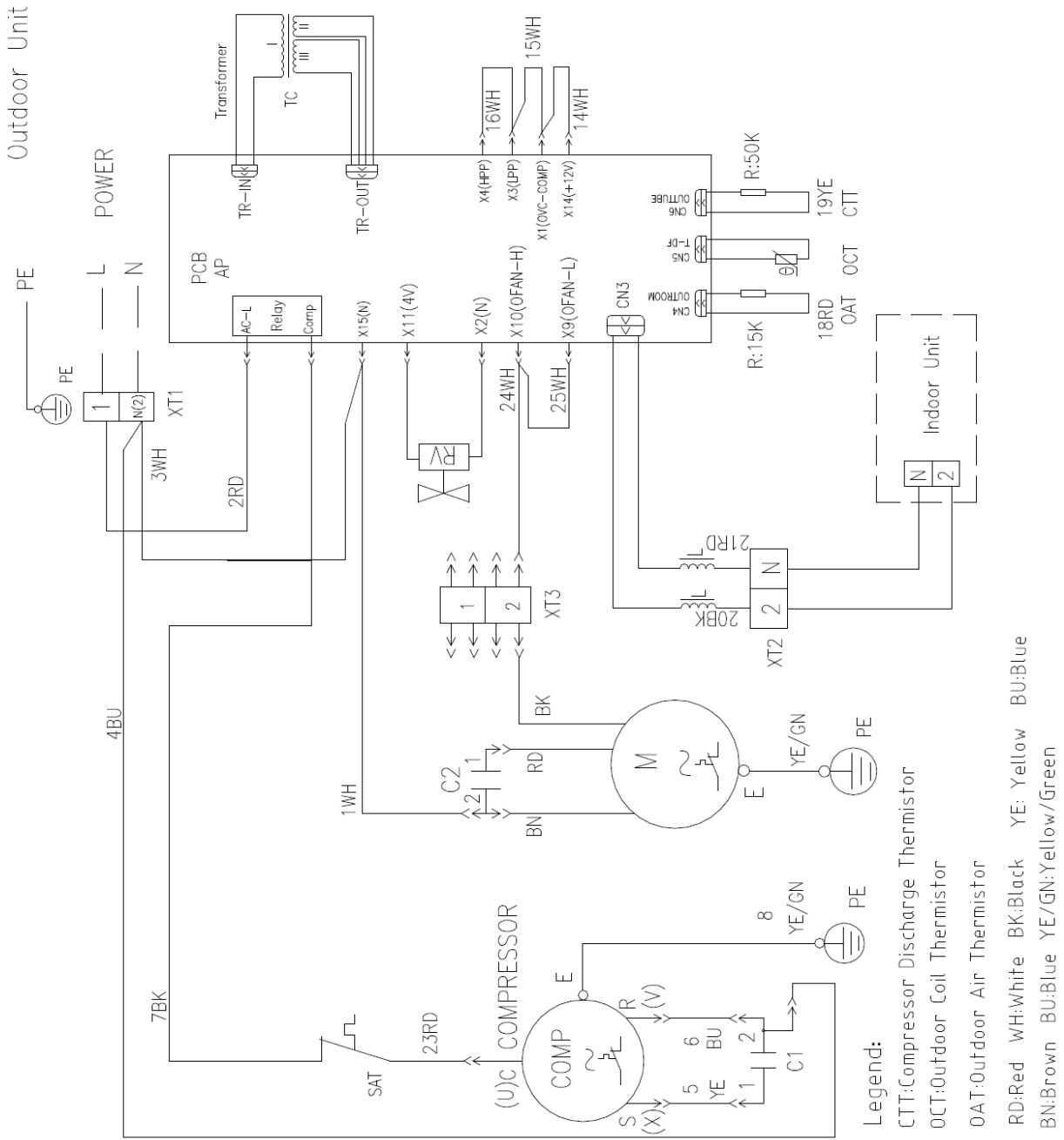
9.2 Outdoor unit

9.2.1 YIF009

| | |
|----|----------------|
| C | Capacitor |
| TC | Transformer |
| XT | Terminal Board |
| AP | PCB |
| M | Fan motor |

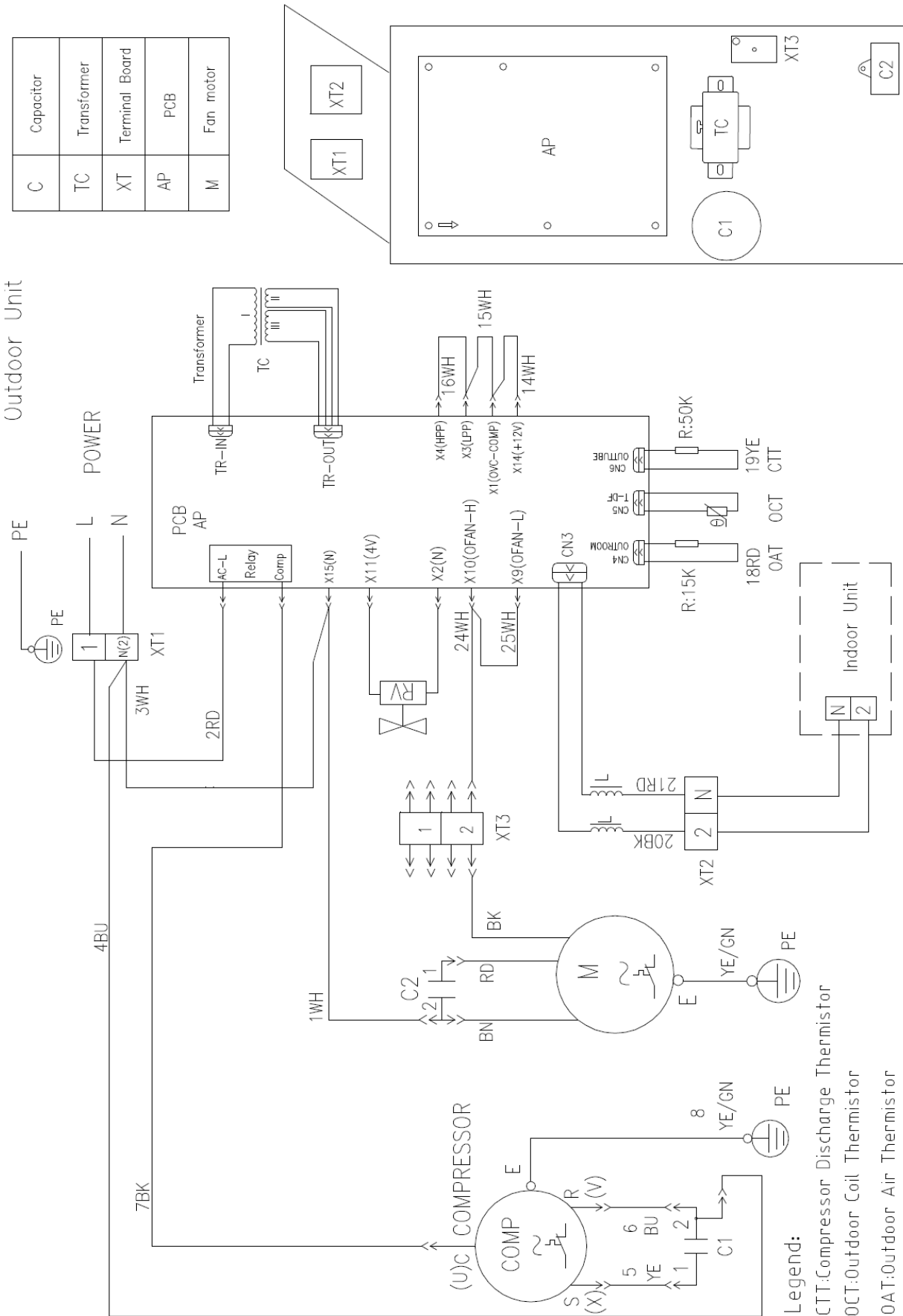


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- Legend:
- CTT:Compressor Discharge Thermistor
 - OCT:Outdoor Coil Thermistor
 - OAT:Outdoor Air Thermistor
 - RD:Red WH:White BK:Black YE: Yellow BU:Blue
 - BN:Brown BU:Blue YE/GN:Yellow/Green

9.2.2 YIF012

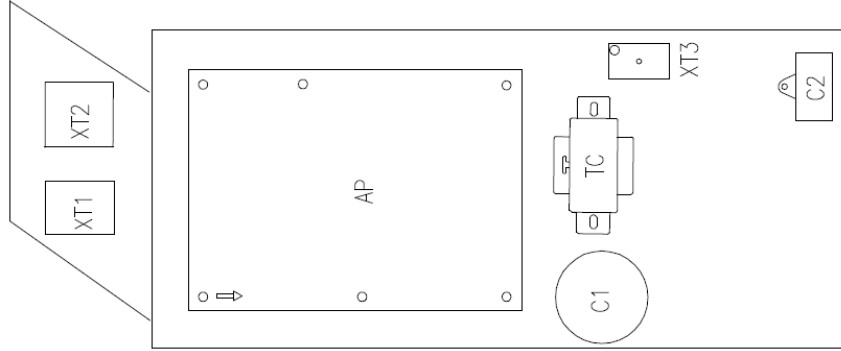


| | |
|----|----------------|
| C | Capacitor |
| TC | Transformer |
| XT | Terminal Board |
| AP | PCB |
| M | Fan motor |

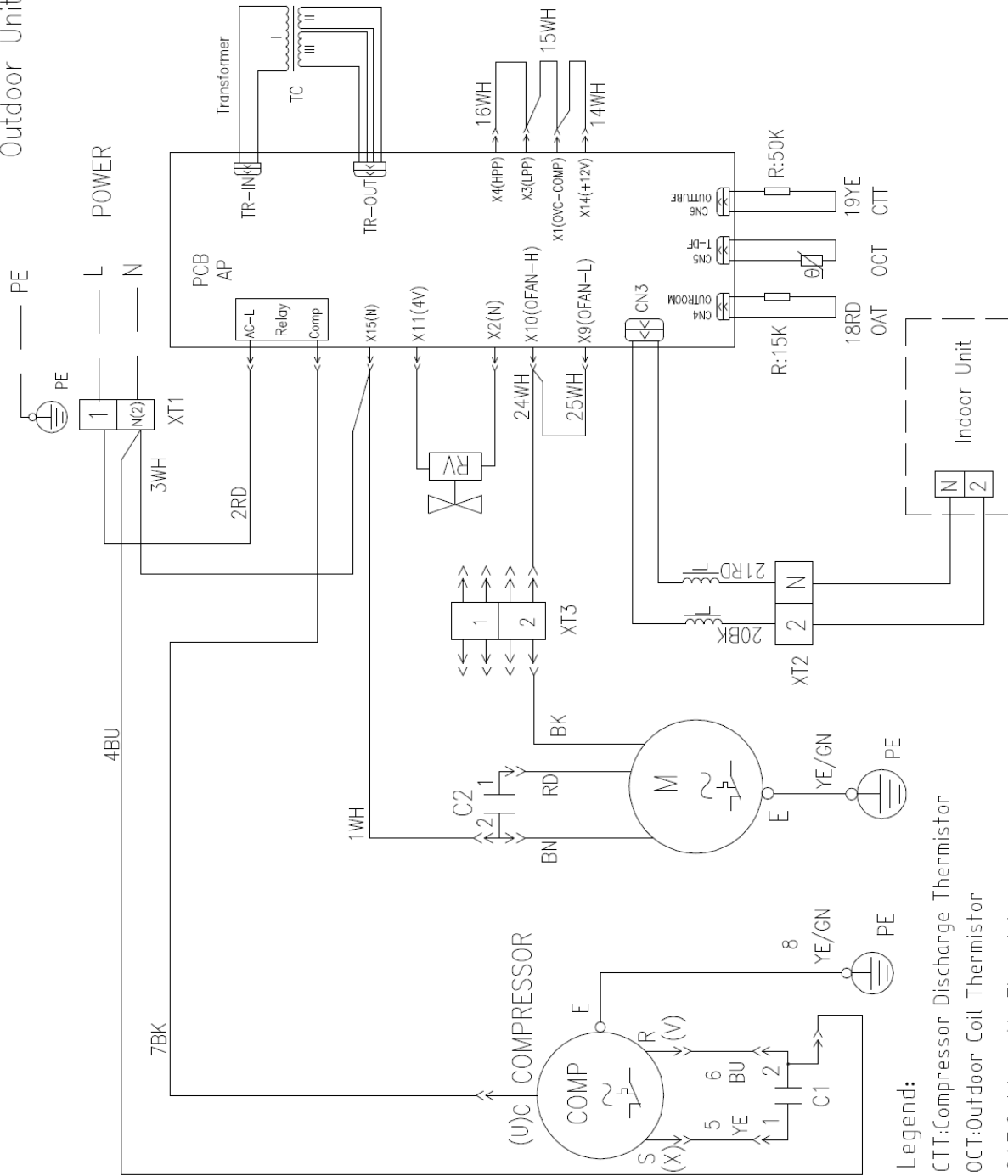
Outdoor Unit

9.2.3 YIF018

| | |
|----|----------------|
| C | Capacitor |
| TC | Transformer |
| XT | Terminal Board |
| AP | PCB |
| M | Fan motor |



Outdoor Unit



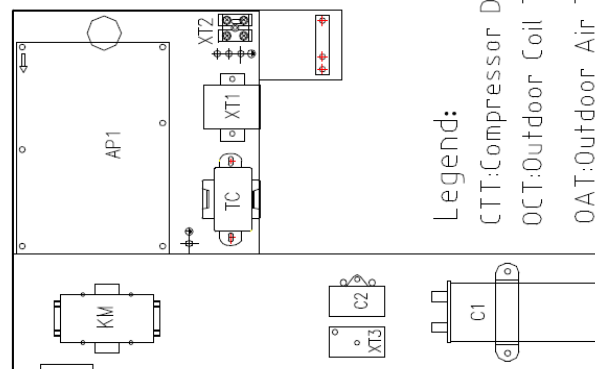
Legend:

- CTT: Compressor Discharge Thermistor
- OCT: Outdoor Coil Thermistor
- OAT: Outdoor Air Thermistor
- RD: Red WH: White BK: Black YE: Yellow BU: Blue
- BN: Brown BU: Blue YE/GN: Yellow/Green

9.2.4 YIF024

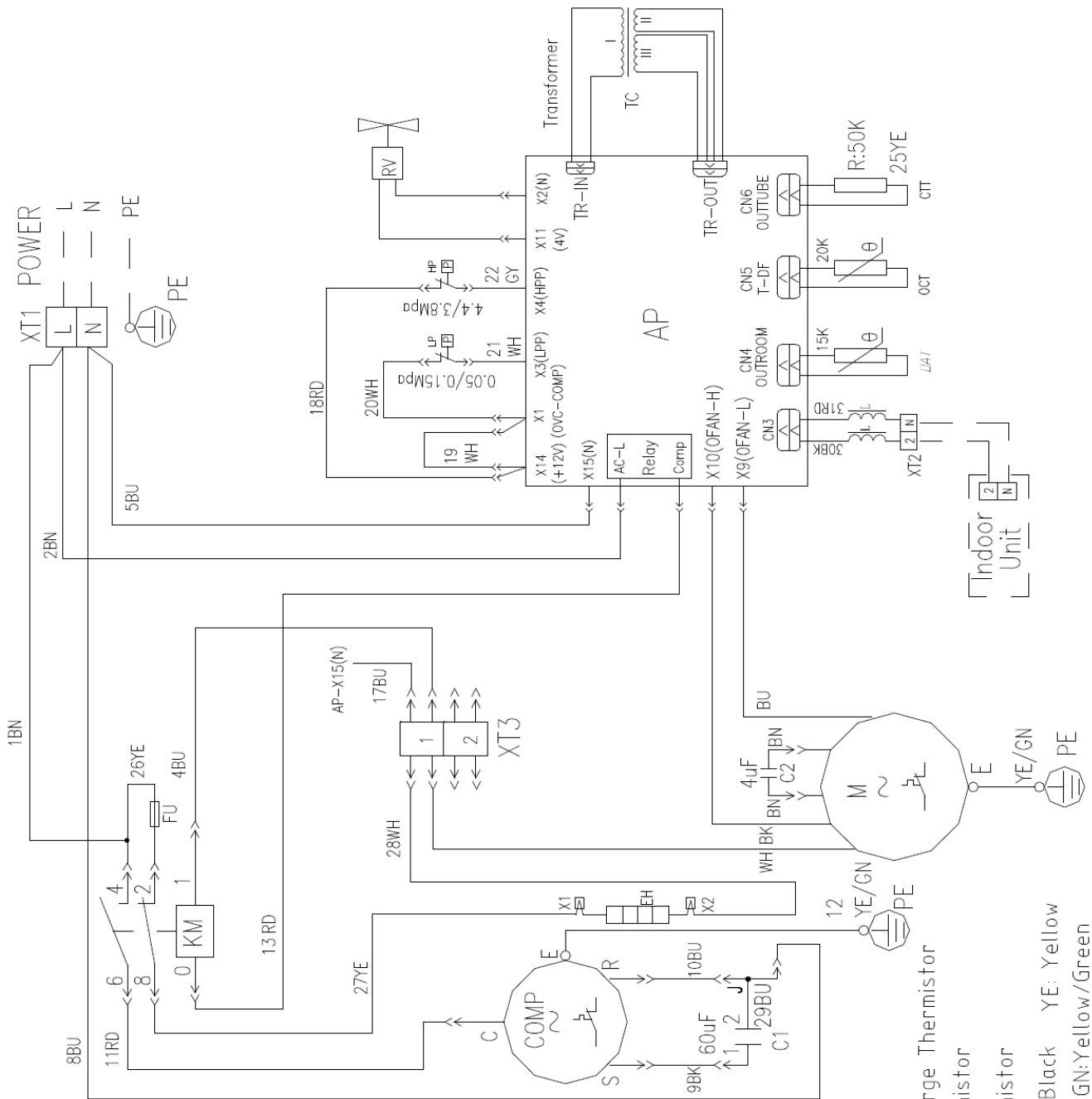
OUTDOOR UNIT

| | |
|----|------------------------|
| C | Capacitor |
| TC | Transformer |
| XT | Terminal Board |
| AP | PCB |
| FA | Over Current Protector |
| PM | Reverse Protector |
| KM | AC Contactor |

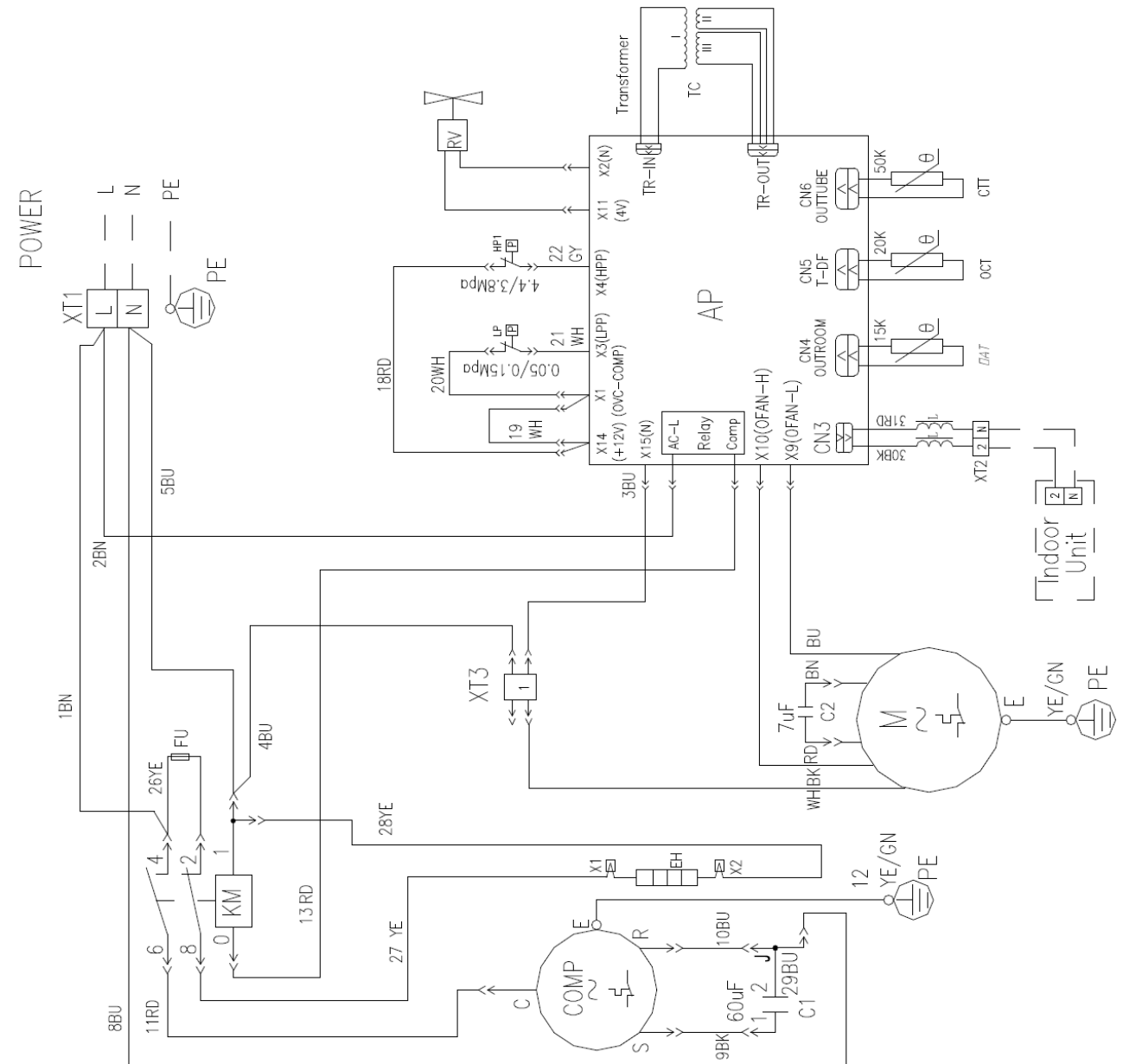


Legend:

- CTT:Compressor Discharge Thermistor
- OCT:Outdoor Coil Thermistor
- OAT:Outdoor Air Thermistor
- RD:Red WH:White BK:Black YE: Yellow
- BN:Brown BU:Blue YE/GN:Yellow/Green
- GY:Grey

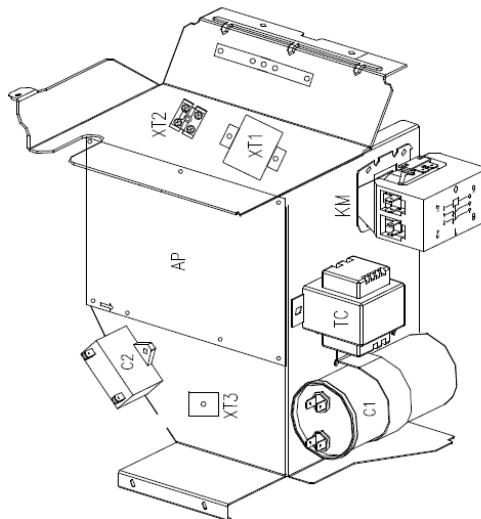


9.2.5 YIF030



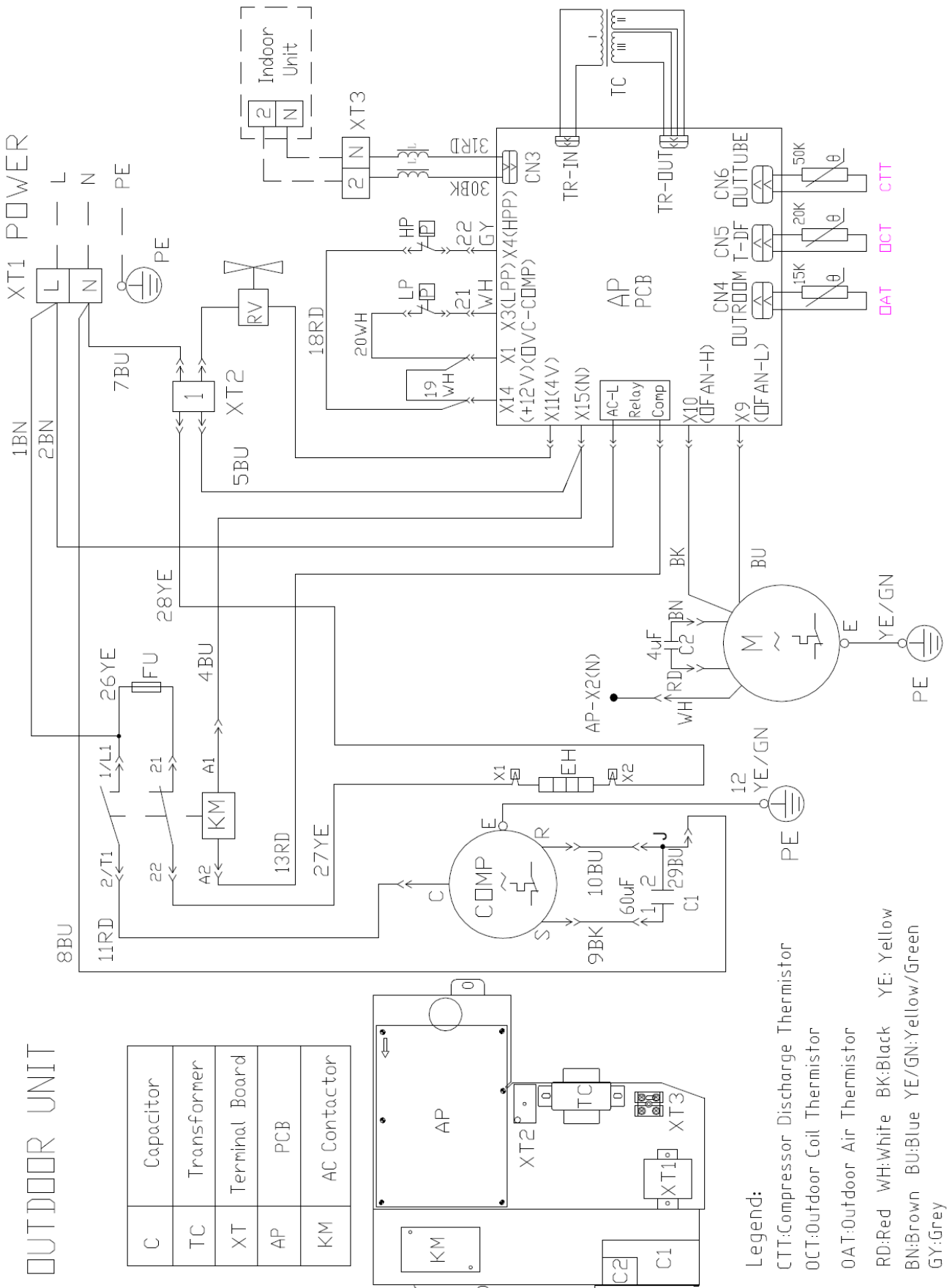
OUTDOOR UNIT

| | |
|----|----------------|
| C | Capacitor |
| TC | Transformer |
| XT | Terminal Board |
| AP | PCB |
| KM | AC Contactor |



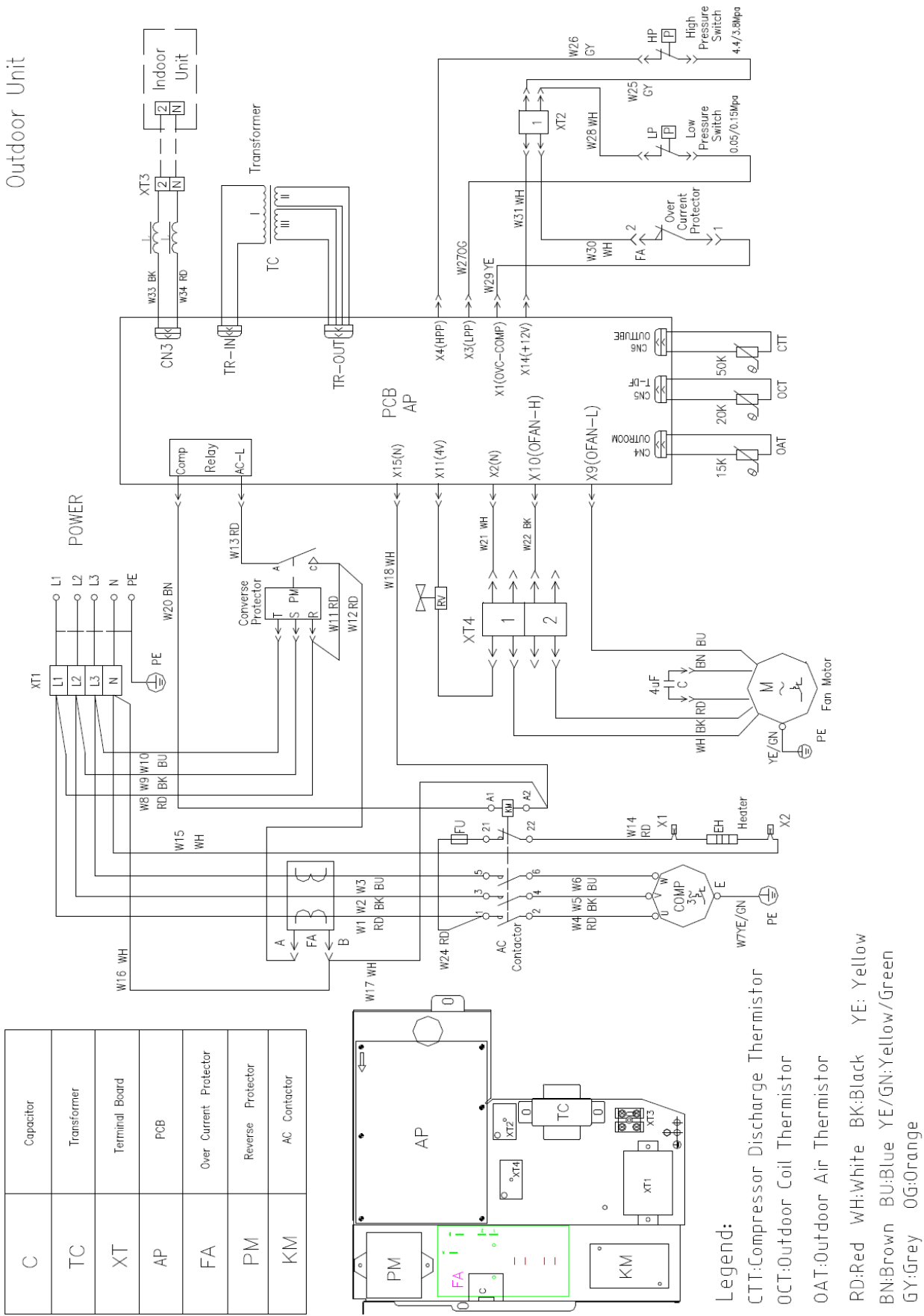
- Legend:
- CTT:Compressor Discharge Thermistor
 - OCT:Outdoor Coil Thermistor
 - OAT:Outdoor Air Thermistor
 - RD:Red WH:White BK:Black YE: Yellow
 - BN:Brown BU:Blue YE/GN:Yellow/Green
 - GY:Grey

9.2.6 YIF036



9.2.7 YIF036T

Outdoor Unit

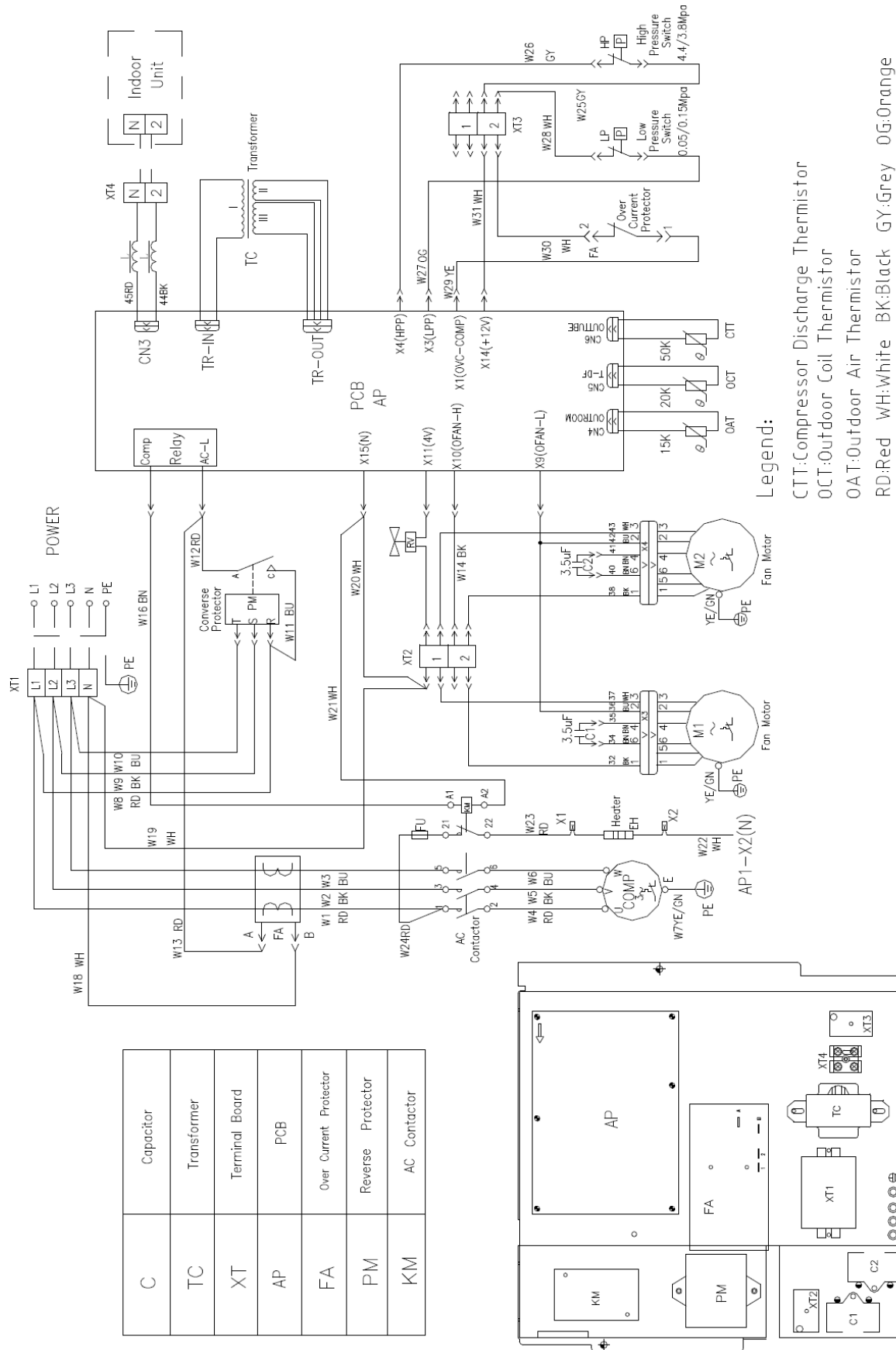


| | |
|----|------------------------|
| C | Capacitor |
| TC | Transformer |
| XT | Terminal Board |
| AP | PCB |
| FA | Over Current Protector |
| PM | Reverse Protector |
| KM | AC Contactor |

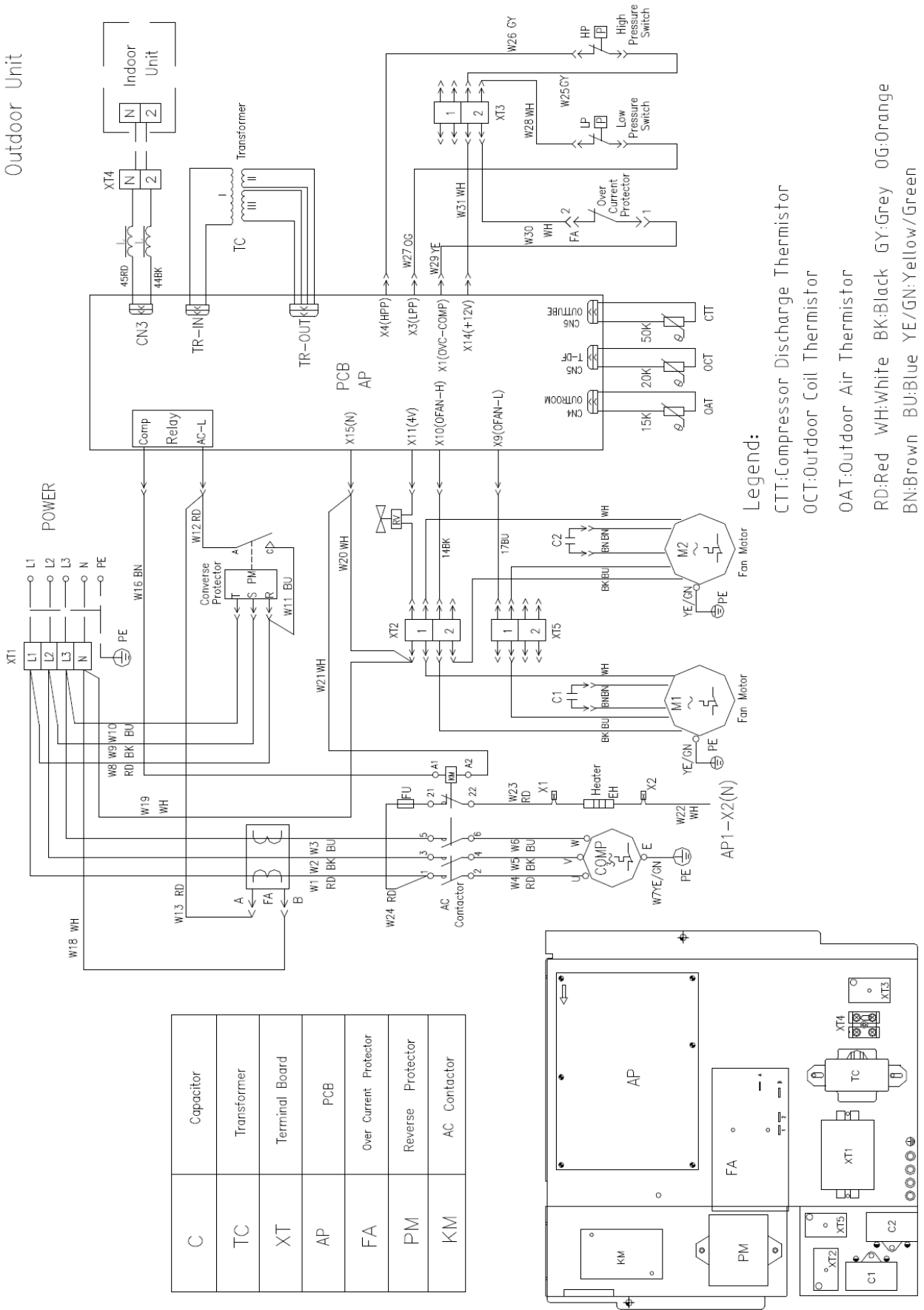
- Legend:
- CTT:Compressor Discharge Thermistor
 - OCT:Outdoor Coil Thermistor
 - OAT:Outdoor Air Thermistor
 - RD:Red WH:White BK:Black YE: Yellow
 - BN:Brown BU:Blue YE/GN:Yellow/Green
 - GY:Grey OG:Orange

9.2.8 YIF042

Outdoor Unit

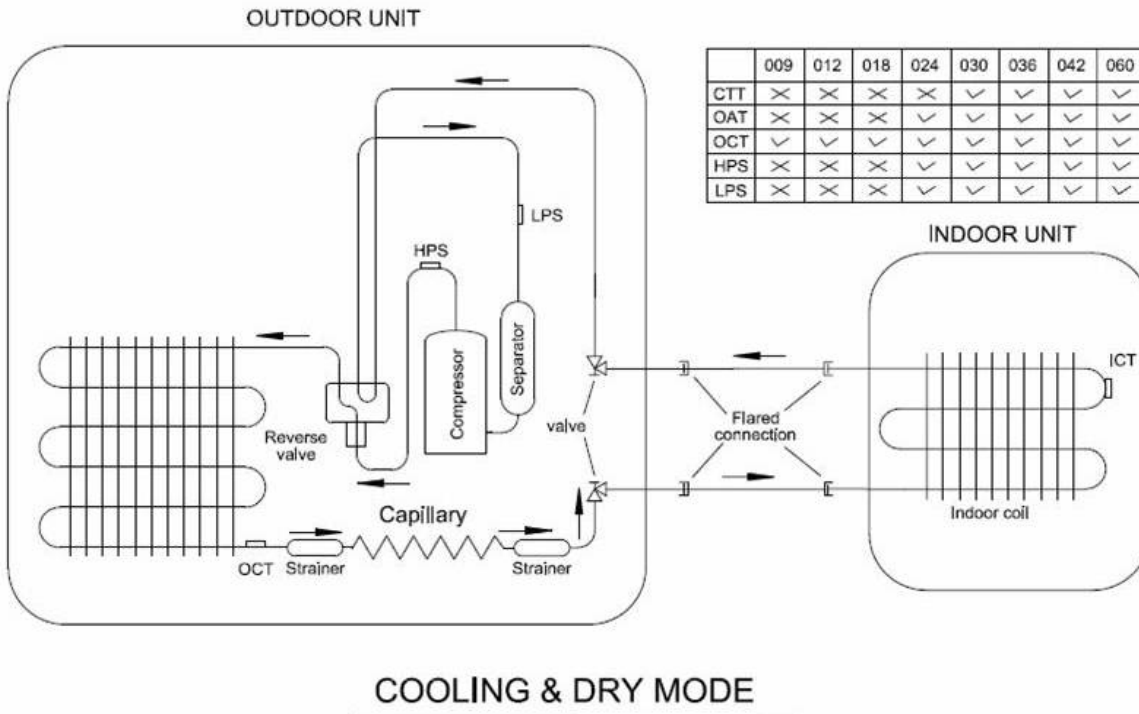


9.2.9 YIF060

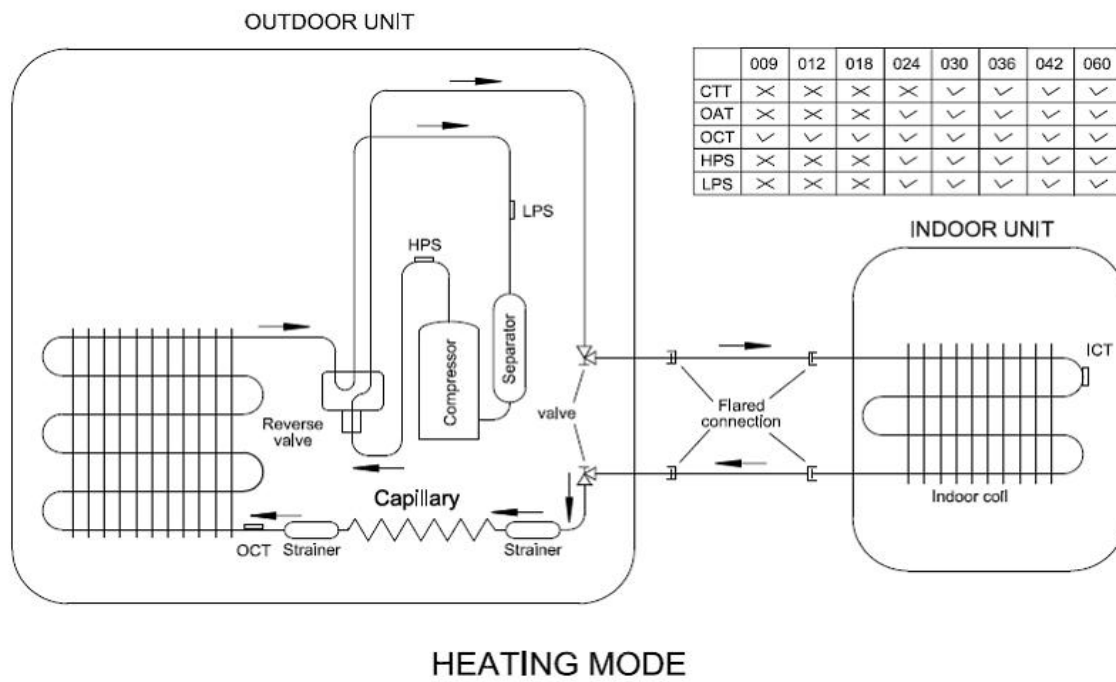


10. REFRIGERATION DIAGRAMS

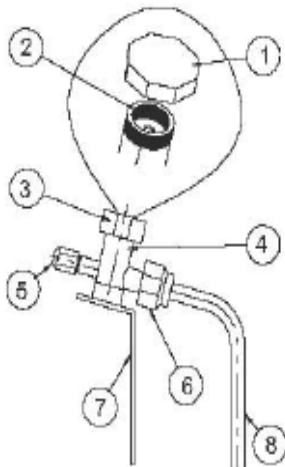
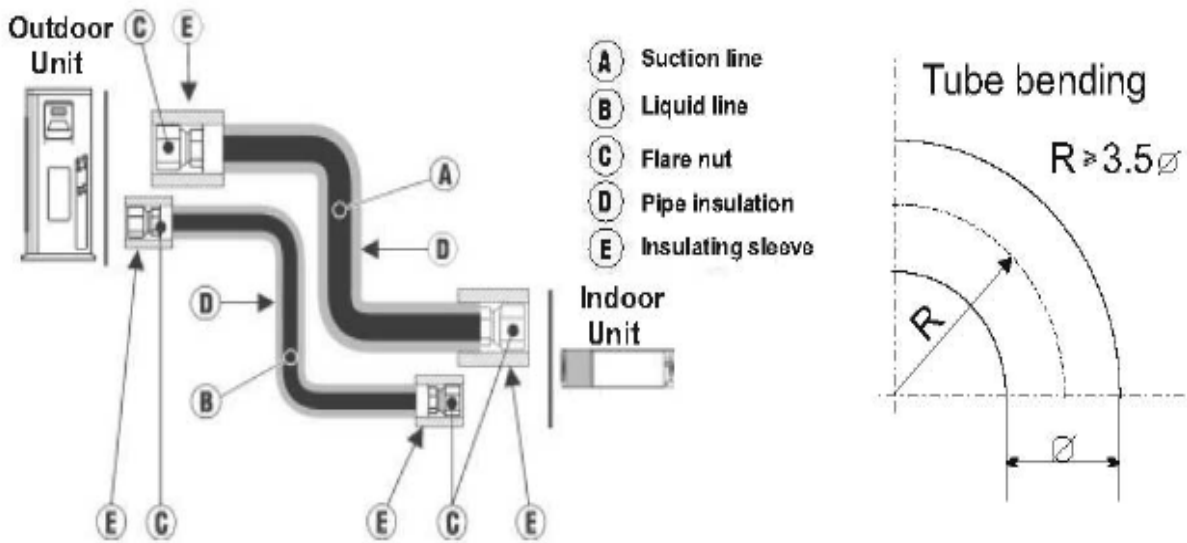
10.1 Cooling and Dry Mode



10.2 Heating Mode



11. TUBING CONNECTIONS



| TUBE (Inch) | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" |
|-------------------------|-------|-------|-------|-------|-------|
| TORQUE (Nm) | | | | | |
| Flare Nuts | 15-18 | 40-45 | 60-65 | 70-75 | 80-85 |
| Valve Cap | 13-20 | 13-20 | 18-25 | 18-25 | 40-50 |
| Service Port Cap | 11-13 | 11-13 | 11-13 | 11-13 | 11-13 |

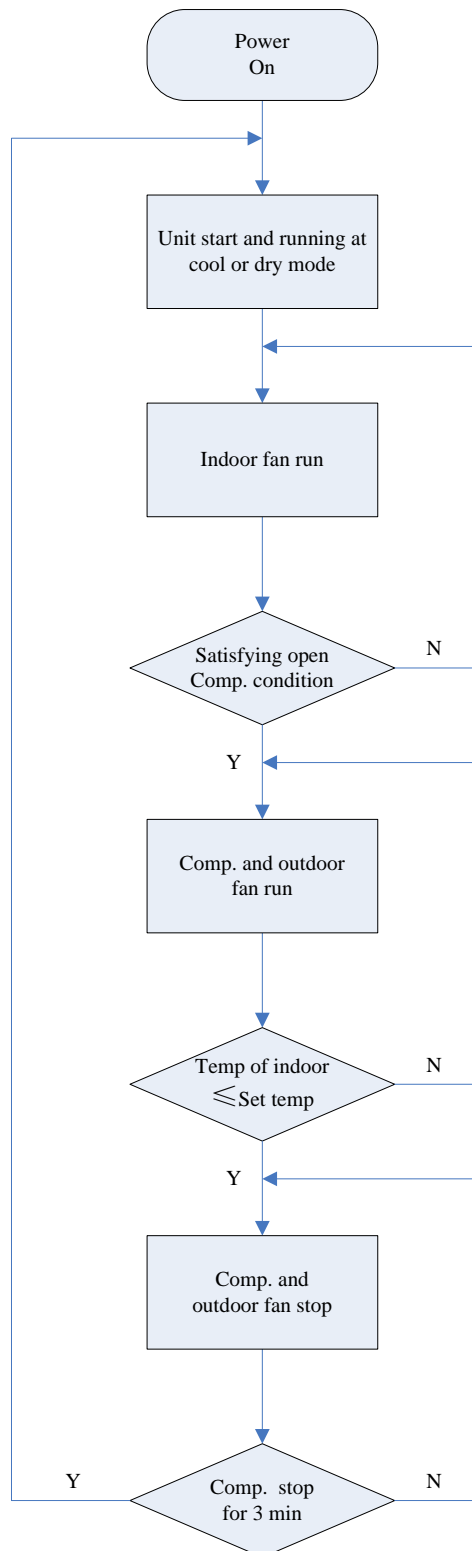
1. Valve Protection Cap-end
2. Refrigerant Valve Port (use Allen wrench to open/close)
3. Valve Protection Cap
4. Refrigerant Valve
5. Service Port Cap
6. Flare Nut
7. Unit Back Side
8. Copper Tube

When the outdoor unit is installed above the indoor unit, an oil trap is required every 5m along the suction line at the lowest point of the riser. In case the indoor unit is installed above the outdoor, no trap is required.

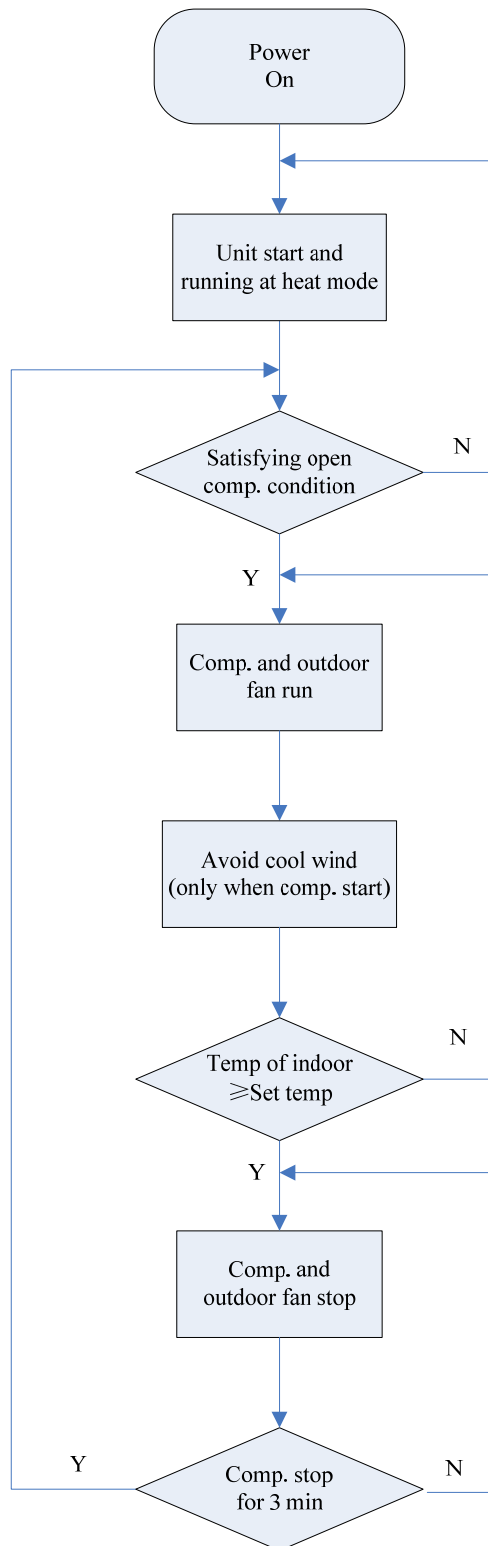
12. CONTROL SYSTEM

12.1 OPERATION FLOWCHART

Cooling/Dry Operation

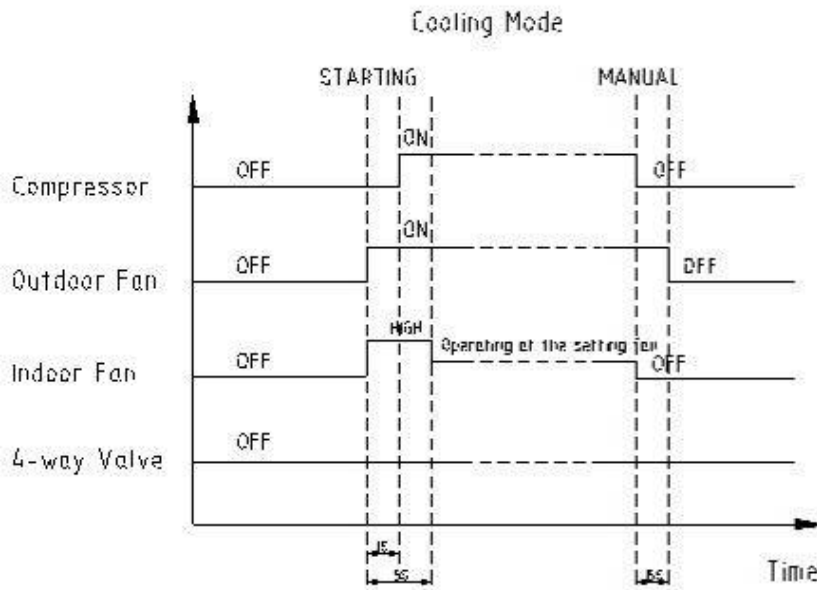


Heating Operation



12.2 MAIN LOGIC

12.2.1 Cooling Mode

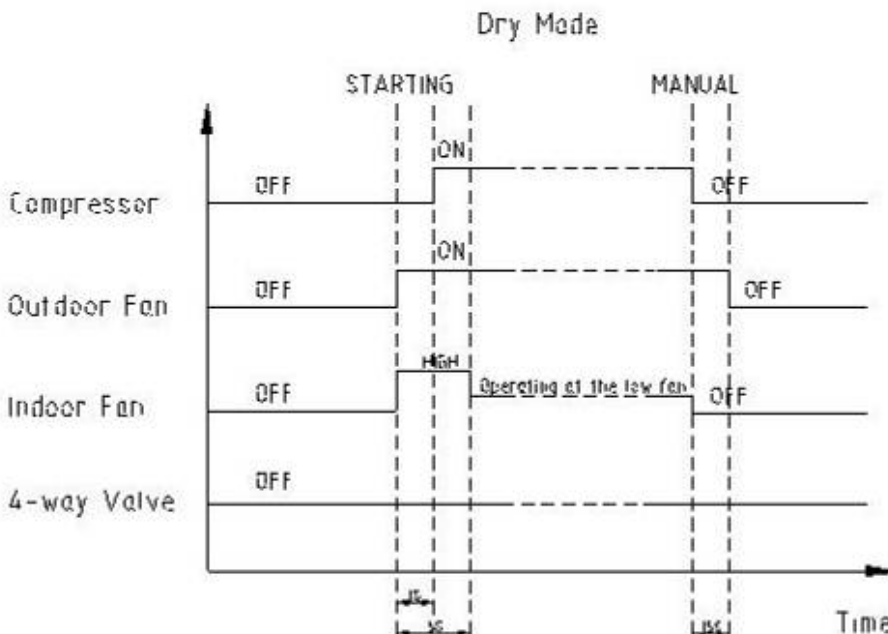


When $RAT \geq SPT + 1^\circ C$, the unit begins cooling operation, the compressor and the outdoor fan are running, the indoor fan is running at a set speed.

When $RAT \leq SPT - 1^\circ C$, the unit is in the cooling idle state, the compressor and the outdoor fan stop running, the indoor fan is running at a set speed.

When $SPT - 1^\circ C < RAT < SPT + 1^\circ C$, the unit keeps in the operation state.

12.2.2 Dry Mode

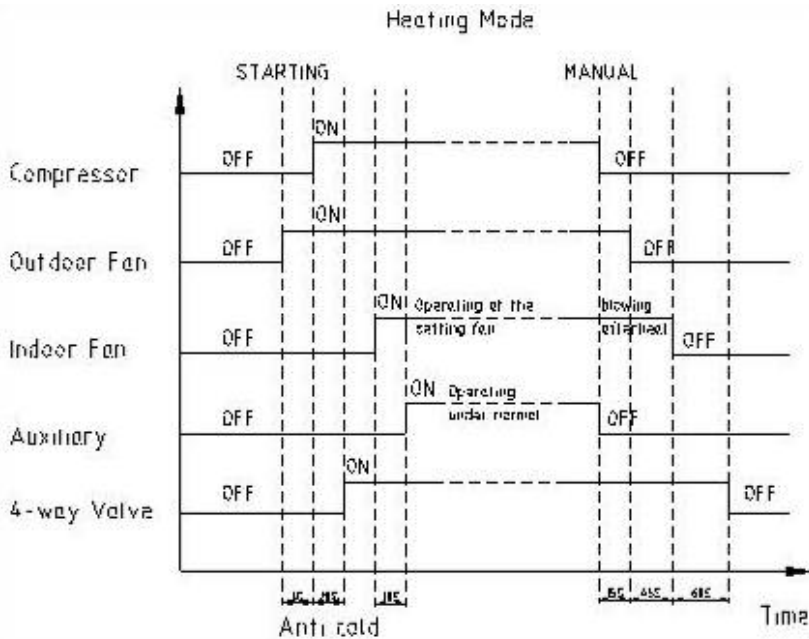


When $RAT \geq SPT + 2^\circ C$, the unit begins cooling operation, the compressor and the outdoor fan are running, the indoor fan is running at a low speed.

When $RAT \leq SPT - 2^\circ C$, the unit is in the cooling shutdown state, the compressor and the outdoor fan stop running.

When $SPT - 2^\circ C < RAT < SPT + 2^\circ C$, the unit is in the six-minute stop and four-minute operation state, that is, the compressor runs for 6 minutes and then stops for 4 minutes, in such cycle repeatedly; and the indoor fan operates at a low speed.

12.2.3 Heating Mode



When $RAT \leq SPT - 1^\circ C$, the unit begins heating operation, the compressor and the outdoor fan are running, the indoor fan is running at a set speed according to anti cold prevention conditions.

When $RAT \geq SPT + 1^\circ C$, the compressor and the outdoor fan stop running and the four-way valve keeps energized; and the indoor fan is running according to afterheat blowing conditions.

When $SPT - 1^\circ C < RAT < SPT + 1^\circ C$, the unit keeps in the previous operation state.

12.2.4 Fan Mode

In this mode, the indoor fan may run at high, medium, low and automatic speed. The indoor fan runs at a fast speed for 5s and then runs at a set speed.

The compressor, outdoor fan and 4-way valve will be OFF.

In this mode, the range of setting temperature is 16~30C

In Auto Fan user setting, fan speed will be adjusted automatically according to the difference between actual room temperature (RAT) and user set point temperature (SPT).

| Indoor Fan Speed | | High | Med | Low |
|------------------|---------|----------|-------|----------|
| RAT-SPT | Cooling | ≥ 2 | (0,2) | ≤ 0 |
| | Heating | ≤ 0 | (1,3] | > 3 |

12.3 Protections

12.3.1 Indoor Coil Defrost Protection

When the unit has been running for refrigeration or dehumidification for a period and the $ICT < -2^{\circ}\text{C}$, the unit will report a fault and stops the compressor and the outdoor unit. The unit will begin to operate after $ICT \geq 10^{\circ}\text{C}$ and the compressor will run again after 3 minutes stop.

12.3.2 Deicing Protection

Defrosting start conditions:

After the heating operation runs for an accumulated period of 44 minutes and the compressor continues to operate for 4 mins and 50 seconds, and a one-minute duration of $OCT \leq -5^{\circ}\text{C}$ is detected, the unit begins defrosting. If an auxiliary heater is available, it must be stopped firstly, and after 10 seconds, the four-way valve, the indoor fan, the outdoor fan and the compressor will run compulsively.

Defrosting completion conditions:

When defrosting runs 10 minutes or $OCT \geq 10^{\circ}\text{C}$, defrosting will be completed. In such case, the four-way valve is running, the outdoor fan is running, the compressor is running compulsively, and the indoor fan operates according to anti cold prevention conditions.

12.3.3 Compressor over Heating Protection

After the compressor is started, if $CTT \geq 130$ degree for continuous 30 seconds, E4 will be displayed, all loads (except for the four way valve) will be shut off, the compressor will stop for 3 minutes.

The complete system will restart after $CTT < 90$ degree. If such fault is reported for successive three times, the protection can not be restored itself.

12.3.4 Compressor high pressure Protection

When high pressure protection is detected for continuous 3 seconds, all loads are shut off (except for the four way valve), all buttons and remote control signals except for button ON/OFF are shielded. It cannot recover automatically, the unit should be powered off and on, or failure should be removed after power supply is restored.

12.3.5 Compressor low pressure Protection

When the unit is started or at standby (detection will begin 3 minutes after the compressor is started up) and detected breakdown of the low pressure switch for continuous 30 seconds, a fault is reported.

The unit can be recovering automatically after the first 2 reported faults within 30 minutes. The third reported fault and so on can not be recovered automatically.

12.3.6 Compressor over load Protection

After the compressor is started, if the overload switch of the compressor is detected to shut off, the fault is reported. All loads (except for the four way valve) are shut off, the fault is displayed, and the compressor will stop for 3 minutes.

If the fault is removed, the compressor can be restarted to run. If successive three compressor overload protection faults are detected within 30 minutes, the unit can not be restored itself and the buzzer will give out an alarm. Push the ON/OFF button to shut off the unit. Then push ON/OFF button again, if over load protection disappears, operation will restore. Otherwise, the fault is displayed.

12.3.7 Water Over Flow Protection

Water Over Flow is detected for continuous 8 seconds after the system is powered on, the water full protection is initiated and the indicator is twinkling (or E9 is displayed).

In cooling and dry mode, the outdoor fan and the compressor are shut off and the indoor fan stops after 1 minute delay. In heating mode, the outdoor fan and the compressor are shut off, the four way valve keeps at the previous status, and the indoor fan stops after 1 minute delay. In fan mode, the load of indoor unit remains.

12.3.8 Indoor overheating in heating mode

During Heat Mode, the protection of indoor overheating prevents abnormal high pressure.

When ICT reaches 58C, OFAN will stop operating and resume operating if the ICT go to normal.

13. TROUBLESHOOTING

13.1 TROUBLE TABLE

| Trouble Code | Trouble Name | Origin of Trouble Signal | Control Description |
|--------------|-------------------------------------|--------------------------|---|
| E0 | Pump Failure | Pump | If water full protection continues for 2 hours and fails to restore, it is believed that the water pump is at fault and all loads are shut off and fail to restore automatically. |
| E1 | Compressor High Pressure Protection | High pressure switch | When high pressure protection is detected for continuous 3 seconds, all loads are shut off (except for the four way valve), all buttons and remote control signals except for button on/off are shielded and fail to restore automatically, the unit should be powered off and on, or failure should be removed after power supply is restored. |
| E2 | IDU Freezing Protection | ICT | When the unit has been running in cool and dry mode for a period and ICT is lower than -2°C , the unit will report a fault and stops the compressor and the outdoor unit. The unit will begin to operate after $\text{ICT} \geq 10^{\circ}\text{C}$, the compressor will run again after 3 minutes stop. |
| E3 | Compressor Low Pressure Protection | Low pressure switch | When the unit is started or at standby (detection will begin 3 minutes after the compressor is started up) and detected breakdown of the low pressure switch for continuous 30 seconds, a fault is reported. The unit can be restored automatically after the first 2 reported faults within 30 minutes. The third reported fault and so on can not be restored automatically. |
| E4 | Compressor Over Heating Protection | CTT | After the compressor is started, if CTT is detected to be more than or equal to 130 degree for continuous 30 seconds, E4 will be displayed, all loads (except for the four way valve) will be shut off, the compressor will stop for 3 minutes and the complete system will restore after CTT is lower than 90 degree. If such fault is reported for successive three times, the protection can not be restored itself. |
| E5 | Compressor Overload Protection | Overload protector | After the compressor is started, if the overload switch of the compressor is detected to shut off, the fault is reported. All loads (except for the four way valve) are shut off, the fault is displayed, and the compressor will stop for 3 minutes. If the fault is removed, the compressor can be restarted to run. If successive three compressor overload protection faults are detected within 30 minutes, the unit can not be restored itself and the buzzer will give out an alarm. Push the ON/OFF button to shut off the unit. Then push ON/OFF button again, if the protection disappears, operation |

| Trouble Code | Trouble Name | Origin of Trouble Signal | Control Description |
|--------------|------------------------|--------------------------|---|
| | | | will restore. Otherwise, the fault is displayed. |
| E6 | Communications Failure | Communication | <p>When outdoor unit is energized and fails to receive data of indoor unit within 30 seconds, an indoor unit communication fault is reported. The compressor and the outdoor unit will be shut off, and the four way valve will be stopped 2 minutes after the compressor outage in heating state.</p> <p>If indoor unit fails to receive information of outdoor unit, a communication fault is reported. The indoor unit is shut off and an indicator is twinkling. If the display board fails to receive information of outdoor unit, a communication fault is determined and displayed and the unit does not actuate. After communication becomes normal, the system can restore to the previous running state itself.</p> |
| E8 | Indoor Fan Protection | Indoor unit | <p>If fan overload protection is detected for continuous 3 seconds, relevant compressor and fan shall be shut off immediately and a fault code E8 is displayed, and at the same time, the buzzer gives out an alarm. Push the ON/OFF key, if the fault disappears, clear the fault display and push the ON/OFF key for restarting the system.</p> |
| E9 | Full Water Protection | Liquid level switch | <p>Water full is detected for continuous 8 seconds after the system is powered on, the water full protection is initiated and the indicator is twinkling (or E9 is displayed). Under refrigeration and dehumidification mode, the outdoor fan and the compressor are shut off and the indoor fan stops after 1 minute delay; under heating mode, the outdoor fan and the compressor are shut off, the four way valve keeps at the previous status, and the indoor fan stops after 1 minute delay; under air supply mode, the load of indoor unit remains.</p> |
| F0 | Failure of RAT | RAT | <p>When RAT failure is detected for continuous 5 seconds, RAT will be set compulsively at 24 degree, the system does not take any measure, and only the indicator is twinkling or fault code F0 is displayed. After the fault is removed, the system can restore operation by itself. In FAN mode, only the fault is displayed and the indoor fan is running normally. The fault display disappears when the fault is removed.</p> |
| F1 | Failure of ICT | ICT | <p>When ICT failure is detected for continuous 5 seconds, in cool and dry mode, the system will be shut off. In heating mode, all loads except for the four way valve are shut off. The indicator is twinkling or fault code F1 is displayed. The system can restore by itself and display fault elimination after the fault is removed. Under FAN</p> |

TROUBLESHOOTING



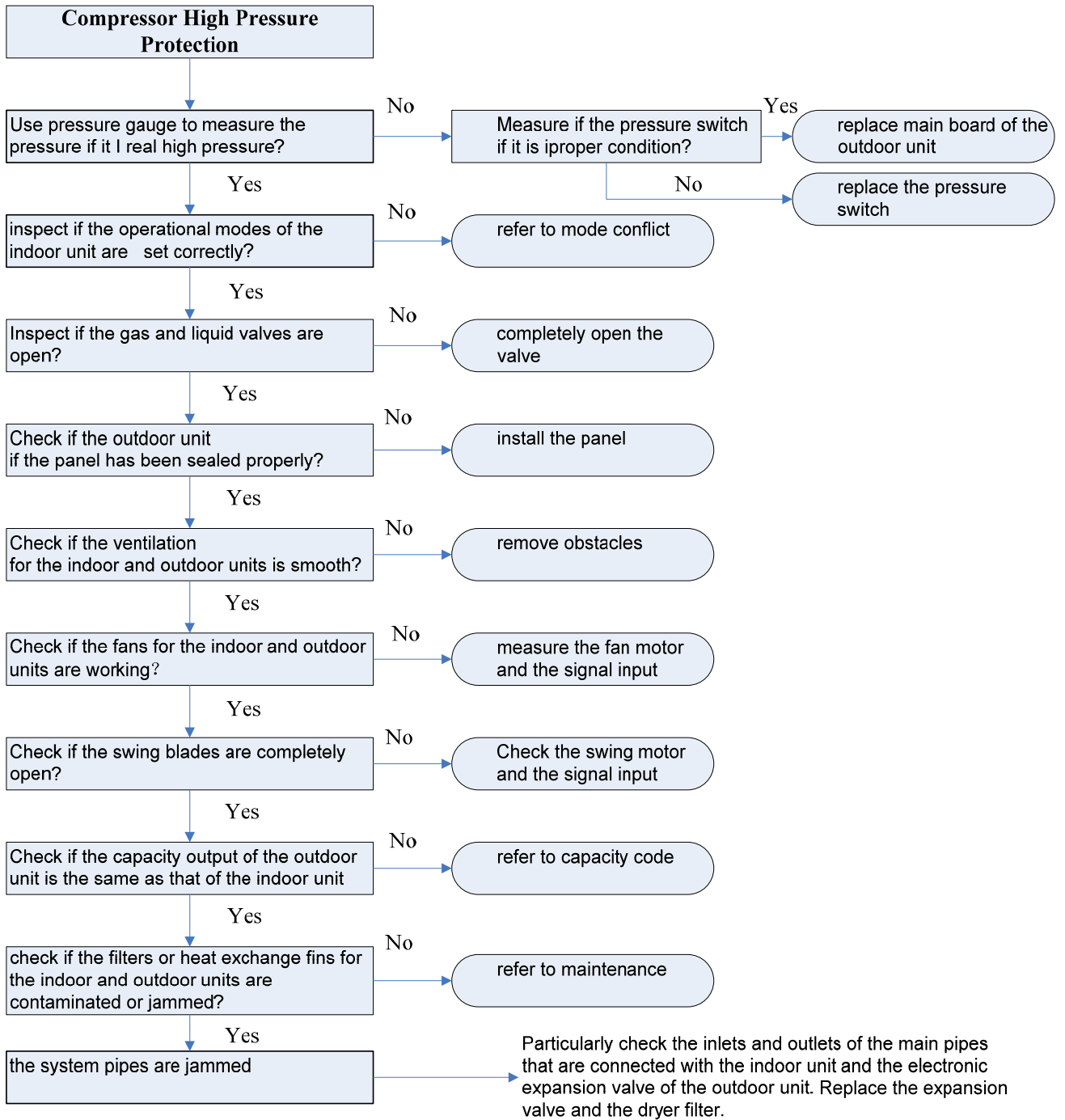
| Trouble Code | Trouble Name | Origin of Trouble Signal | Control Description |
|--------------|-------------------------|--------------------------|---|
| | | | mode, only the fault is displayed and the indoor unit is running normally. The fault display disappears when the fault is removed. |
| F2 | Failure of OCT | OCT | When OCT failure is detected for continuous 5 seconds, in cool and dry mode, the system will be shut off. In heating mode, all loads except for the four way valve are shut off. The indicator is twinkling or fault code F2 is displayed. The system can restore by itself and display fault elimination after the fault is removed. Under FAN mode, only the fault is displayed and the indoor unit is running normally. The fault display disappears when the fault is removed. For other types of refrigeration machines except for air duct machine, condenser thermal bulb is not detected. |
| F3 | Failure of OAT | OAT | When OAT failure is detected for continuous 5 seconds, in cool and dry mode, the system will be shut off. In heating mode, all loads except for the four way valve are shut off. The indicator is twinkling or fault code F3 is displayed. The system can restore by itself and display fault elimination after the fault is removed. Under FAN mode, only the fault is displayed and the indoor unit is running normally. The fault display disappears when the fault is removed. |
| F4 | Failure of CTT | CTT | After the compressor is started, CTT failure is detected for continuous 5 seconds,. Under cool and dry mode, all loads will be shut off. Under heating mode, all loads except for the four way valve are shut off. The indicator is twinkling or fault code F4 is displayed. And the buzzer gives out an alarm. After the fault is removed, the system will restore by itself and clear the fault code. If CTT is short circuited, under cool and dry mode, all loads will be shut off. Under heating mode, all loads except for the four way valve are shut off. The indicator is twinkling or fault code F4 is displayed. And the buzzer gives out an alarm. After the fault is removed, the system will restore by itself and clear the fault code. |
| F5 | Failure of RAT(at RCW) | RCW | When RAT(at RCW) failure is detected for continuous 5 seconds, RAT will be set compulsively at 24 degree, the system does not take any measure, and only the indicator is twinkling or fault code F0 is displayed. After the fault is removed, the system can restore operation by itself. Under FAN mode, only the fault is displayed and the indoor fan is running normally. The fault display disappears when the fault is removed. |

13.2 FLOW CHART OF TROUBLESHOOTING

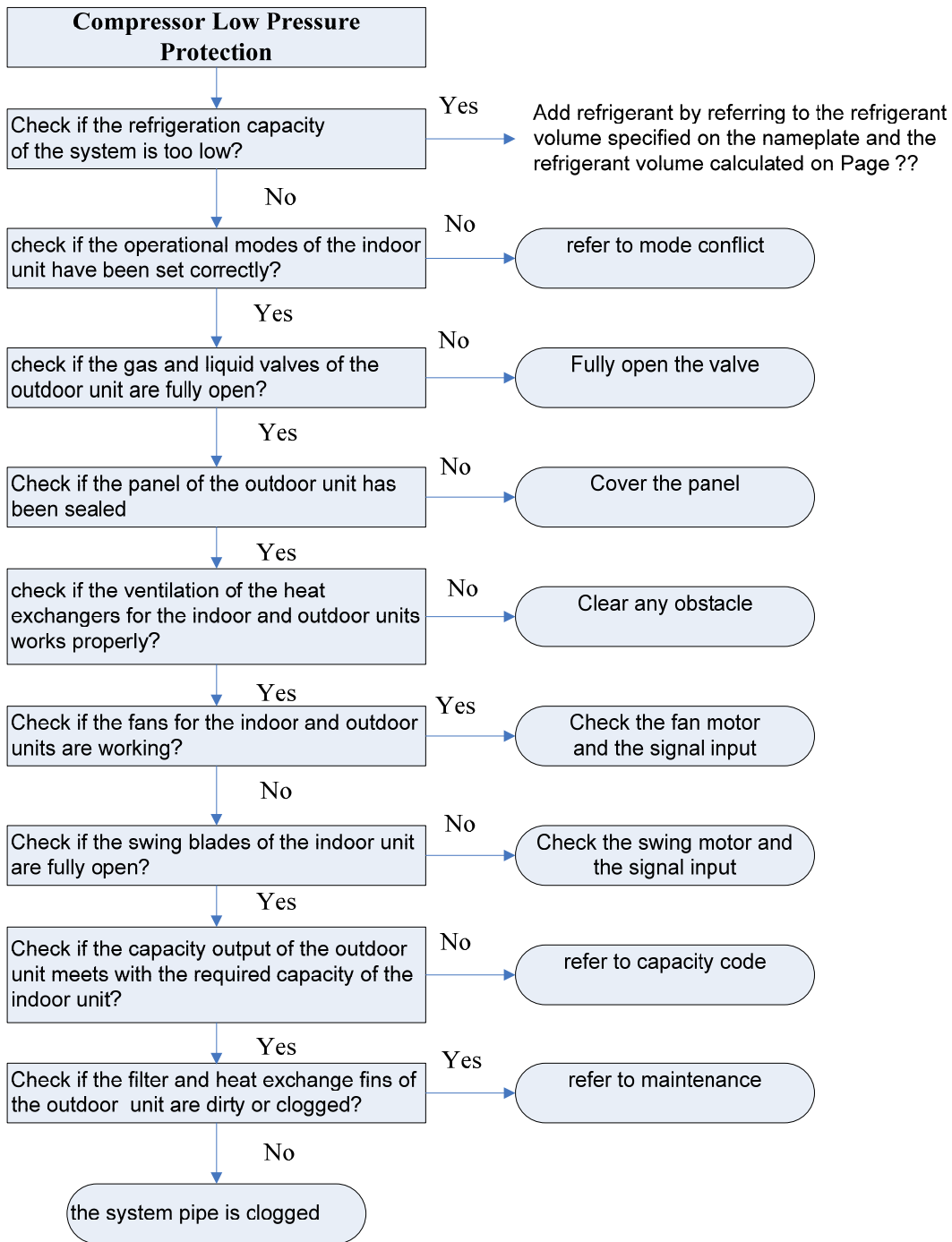
Service personnel shall collect the malfunction information as much as possible and research them thoroughly, list these electrical parts which may cause malfunction, service personnel shall be able to determine the specific reason and solve the faulted parts.

- Observe the status of the complete device and do not observe the partial
- It is advised to start from the simple operation during analyzing ,judging and confirming malfunction reason, then conduct the complicated operations such removal of device, part replacement and refrigerant filling.
- Find the malfunction reason carefully as unit may occur several malfunction at the same time and one malfunction may develop into several malfunction, so entire system analysis shall be established to make the judged result exact and credible .

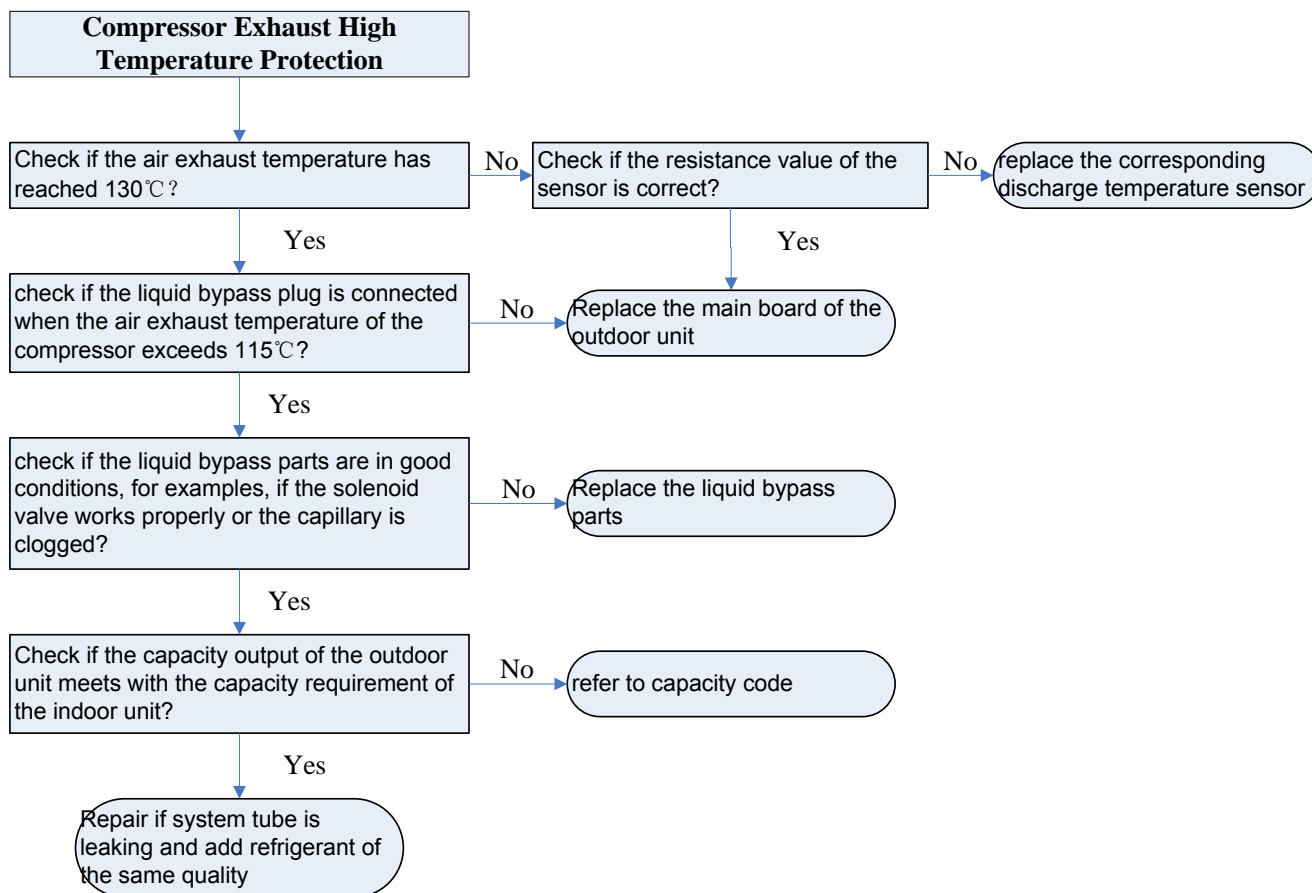
◆ Malfunction display: E1 Compressor High Pressure Protection



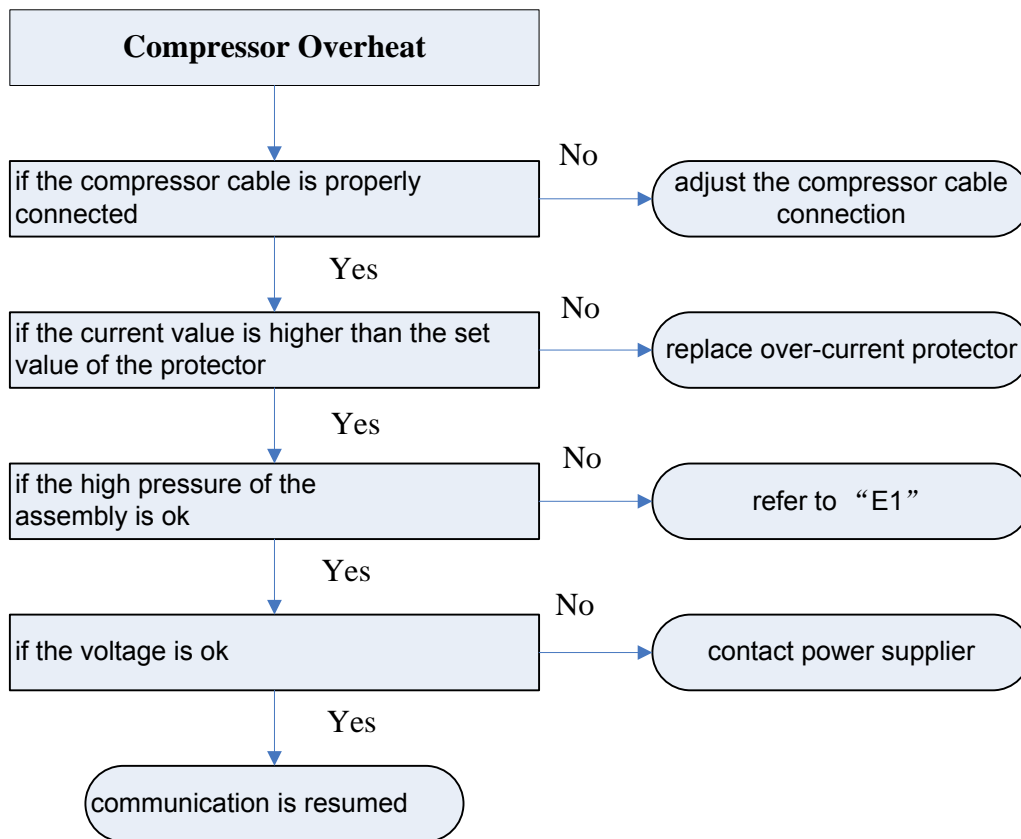
◆ Malfunction display: E3 Compressor Low Pressure Protection



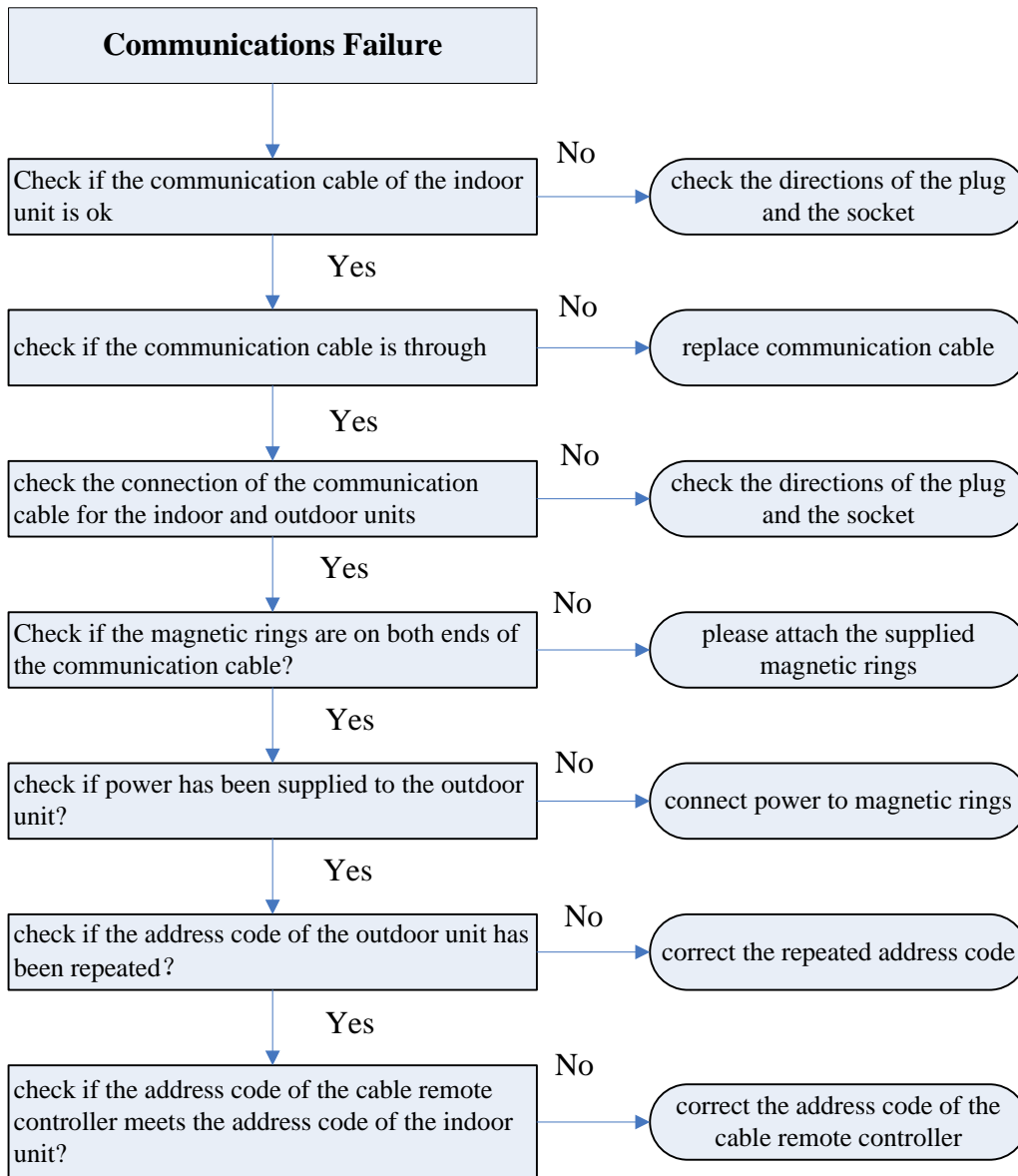
◆ Malfunction display: E4 Compressor Exhaust High Temperature(CTT) Protection



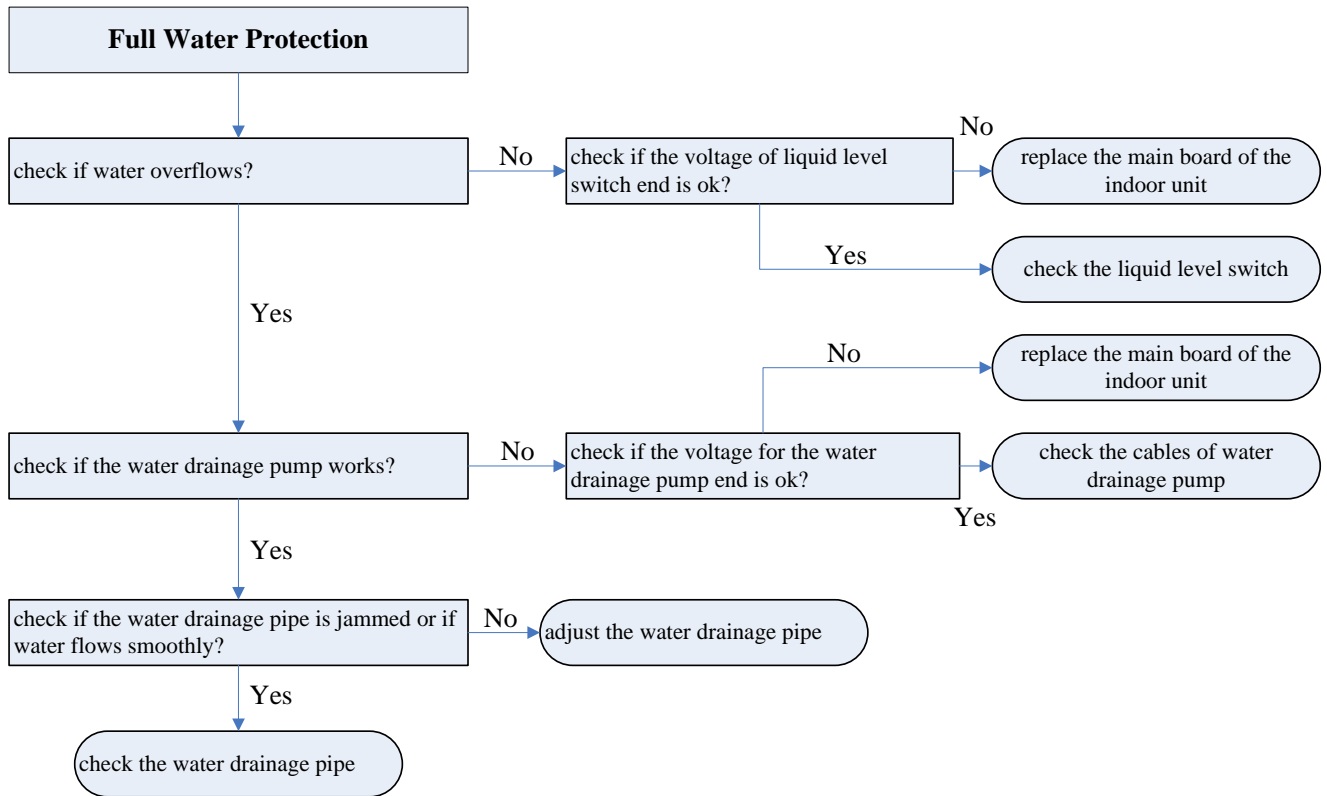
◆ Malfunction display: E5 Compressor Overload



◆ Malfunction display: E6 Communications Failure



◆ Malfunction display: E9 Water Full Protection



TROUBLESHOOTING

◆ Malfunction display: F0 Failure of RAT

Failure of Indoor Room Sensor at Air Intake

check if the plug of the temperature sensor is correctly connected with socket on the main board?

No

check the directions of the plug and socket

Yes

Remove the sensor to check if the resistance value is ok?

No

replace temperature sensor

Yes

replace main board of the indoor unit

◆ Malfunction display: F1 Failure of ICT

Failure of Condenser Temp. Sensor

Check if the plug of the temperature sensor is correctly connected with socket on the main board?

No

check the directions of the plug and the socket

Yes

Remove the temperature sensor to check if the resistance value is ok?

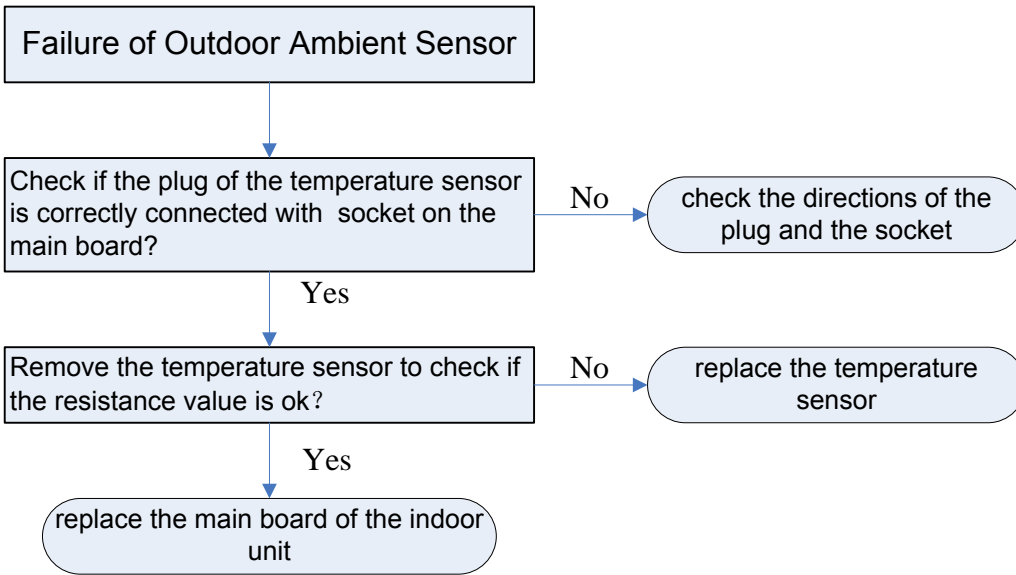
No

replace the temperature

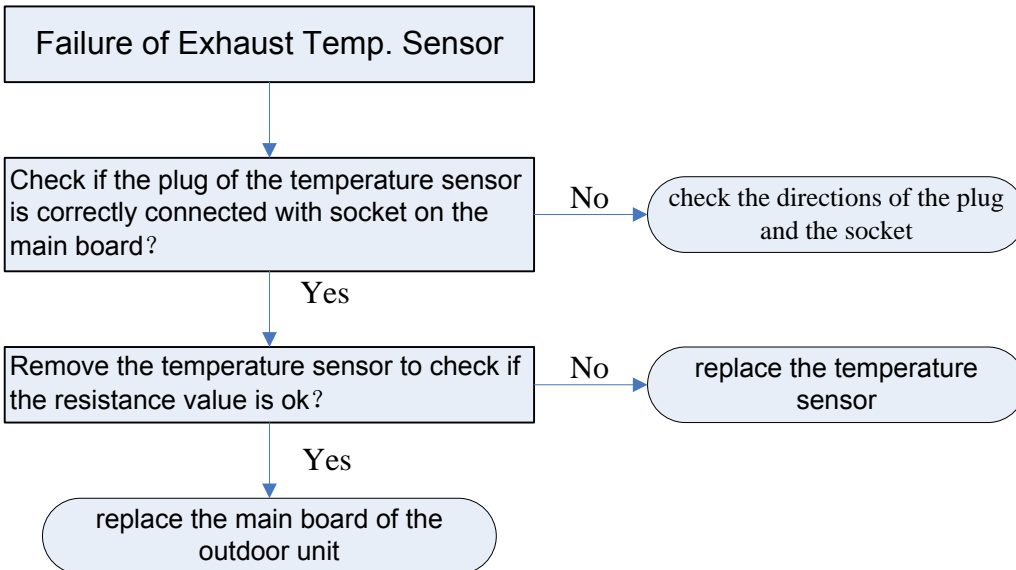
Yes

Remove the temperature sensor to check if the resistance value is ok?

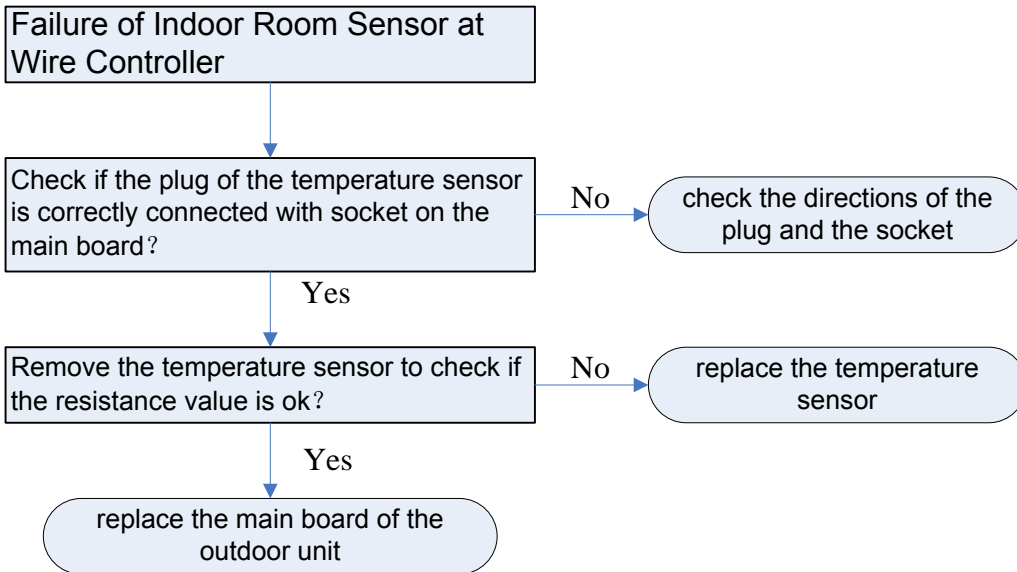
◆ Malfunction display: F3 Failure of OAT



◆ Malfunction display: F4 Failure of Exhaust Temp. Sensor(CTT)

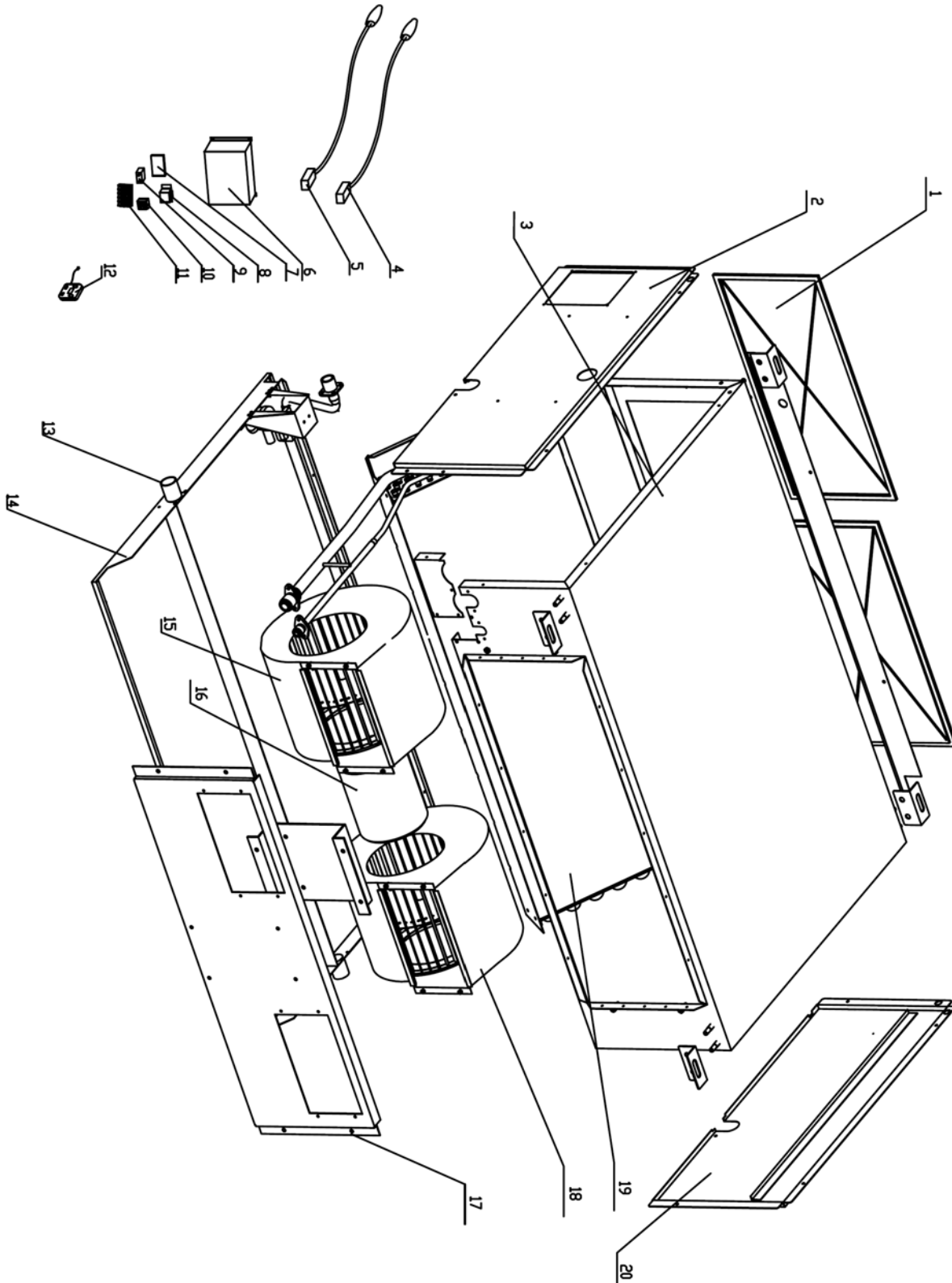


◆ Malfunction display: F5 Failure of RAT at RCW



14. EXPLODED VIEW & SPARE PART LIST

14.1 Exploded view of Indoor unit: for DAF all models



14.2 Spare part list of Indoor Unit DAF009

| NO. | Part Code | Part Description | qty |
|-----|-----------------|---------------------------------|-----|
| 1 | 11725201 | Filter Sub-Assy | 1 |
| 2 | 01499051 | Seal of Left Side Plate | 1 |
| 3 | 01259051 | Top Cover Plate | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 390001921G | Tube Sensor | 1 |
| 6 | 01395768 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010020 | Capacitor | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01279051 | Water Tray Assy | 1 |
| 14 | 01259054 | Lower Cover Plate Sub-Assy | 1 |
| 15 | 10319051 | Centrifugal Fan | 1 |
| 16 | 1570520102 | Fan Motor | 1 |
| 17 | 01339095 | Fan Fixed Plate | 1 |
| 18 | 150024011 | Motor Sub-Assy | 2 |
| 19 | 010087043 | Evaporator Assy | 1 |
| 20 | 01309054 | Right Side Plate Assy | 1 |
| | 06320020 | Pipe Connection Nut accessories | 1 |
| | 02112446 | Hook | 4 |
| | 70819522 | Bar Clasp | 4 |
| | 70819521 | Hoop | 1 |
| | 01719521 | Motor Support | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 01498783 | Side Plate of Air outlet | 1 |
| | 01499053 | Seal of Connection Pipe | 1 |
| | 01078770 | Upper Cover Plate of Evaporator | 1 |
| | 42020063 | Sensor Insert | 1 |
| | 11120011 | Filter Sub-Assy | 1 |
| | 11120012 | Filter Sub-Assy | 1 |
| | 22202029 | Rear Snail Shell | 1 |
| | 22202030 | Front Volute Casing | 1 |
| | 01079055 | Left Evaporator Support | 1 |
| | 01079056 | Evaporator Support | 1 |
| | 76712455 | Choke Plug of Drain Pipe | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |

14.3 Spare part list of Indoor Unit DAF012

| NO. | Part Code | Part Description | qty |
|-----|-----------------|---------------------------------|-----|
| 1 | 11725201 | Filter Sub-Assy | 1 |
| 2 | 01499051 | Seal of Left Side Plate | 1 |
| 3 | 01259051 | Top Cover Plate | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 390001921G | Tube Sensor | 1 |
| 6 | 01395767 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010027 | Capacitor CBB61 1A(3uF/450V) | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01279051 | Water Tray Assy | 1 |
| 14 | 01259054 | Lower Cover Plate Sub-Assy | 1 |
| 15 | 10319051 | Centrifugal Fan | 1 |
| 16 | 1570520103 | Fan Motor | 1 |
| 17 | 01339095 | Fan Fixed Plate | 1 |
| 18 | 10319051 | Centrifugal Fan | 1 |
| 19 | 010090583 | Evaporator Assy | 1 |
| 20 | 01309054 | Right Side Plate Assy | 1 |
| | 70819521 | Hoop | 1 |
| | 01719521 | Motor Support | 1 |
| | 01845221 | Electrical Retaining Plate | 1 |
| | 01498783 | Side Plate of Air outlet | 1 |
| | 22202029 | Rear Snail Shell | 2 |
| | 22202030 | Front Volute Casing | 2 |
| | 01499053 | Seal of Connection Pipe | 1 |
| | 01078770 | Upper Cover Plate of Evaporator | 1 |
| | 42020063 | Sensor Insert | 1 |
| | 76515202 | Cable-Cross Loop | 1 |
| | 01079055 | Left Evaporator Support | 1 |
| | 01079056 | Evaporator Support | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 76712455 | Choke Plug of Drain Pipe | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 70819522 | Bar Clasp | 4 |
| | 02112446 | Hook | 4 |
| | 06320020 | Pipe Connection Nut accessories | 1 |

14.4 Spare part list of Indoor Unit DAF018

| NO. | Part Code | Part Description | qty |
|-----|-----------------|-----------------------------|-----|
| 1 | 11725202 | Filter sub-assy | 1 |
| 2 | 01315295 | Left Side Plate Assy | 1 |
| 3 | 01259064 | Upper Cover Plate Assy | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 390001921G | Tube Sensor | 1 |
| 6 | 01395766 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010027 | Capacitor CBB611A(3uF/450V) | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01278633 | Water Tray Sub-Assy | 1 |
| 14 | 01265296 | Bottom Cover | 1 |
| 15 | 15002401 | Motor Sub-Assy | 2 |
| 16 | 1570520201 | Fan Motor | 1 |
| 17 | 01339058 | Fan Fixed Plate | 1 |
| 18 | 10319051 | Centrifugal Fan | 1 |
| 19 | 01025312 | Evaporator Assy | 1 |
| 20 | 01308670 | Right Side Plate Assy | 1 |
| | 22202029 | Rear Snail Shell | 1 |
| | 22202030 | Front Volute Casing | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 01258650 | Cover of Air Intake | 1 |
| | 01498641 | Air Intake Assy | 1 |
| | 02118504 | Hook | 4 |
| | 76712454 | Choke Plug of Water Pipe | 1 |
| | 01498640 | Seal of Connection Pipe 1 | 1 |
| | 01498644 | Seal of Connection Pipe 2 | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 01845221 | Electrical Retaining Plate | 1 |
| | 02225234 | Side Plate of Air intake | 1 |

14.5 Spare part list of Indoor Unit DAF024

| NO. | Part Code | Part Description | qty |
|-----|-----------------|--------------------------|-----|
| 1 | 11125303 | Filter Sub-assy | 2 |
| 2 | 01315343 | Left Side Plate Sub-Assy | 1 |
| 3 | 01265301 | Top Cover | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 3900012121G | Temperature Sensor | 1 |
| 6 | 01395765 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010014 | Capacitor | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01285317 | Water Tray Foam | 1 |
| 14 | 01265304 | Bottom Cover | 1 |
| 15 | 15012458 | Fan (right) SYP-160/200J | 1 |
| 16 | 15705304 | Fan motor | 1 |
| 17 | 01325301 | Fan Fixed Plate | 1 |
| 18 | 15012454 | Fan (left) SYP-160/200J | 1 |
| 19 | 01025366 | Evaporator Assy | 1 |
| 20 | 01315304 | Right Side Plate | 1 |
| | 01495304 | Seal of Connection Pipe | 1 |
| | 76712455 | Choke Plug of Drain Pipe | 1 |
| | 43138220 | Water Pump | 1 |
| | 15405302 | Water Pump Assy | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 02112446 | Hook | 4 |
| | 450127011 | Water Level Switch | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 01495302 | Seal of Connection Pipe | 1 |

14.6 Spare part list of Indoor Unit DAF030

| NO. | Part Code | Part Description | qty |
|-----|-----------------|--------------------------|-----|
| 1 | 11125303 | Filter Sub-assy | 2 |
| 2 | 01315343 | Left Side Plate Sub-Assy | 1 |
| 3 | 01265301 | Top Cover | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 3900012121G | Temperature Sensor | 1 |
| 6 | 01395765 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010014 | Capacitor | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01285317 | Water Tray Foam | 1 |
| 14 | 01265304 | Bottom Cover | 1 |
| 15 | 15012458 | Fan (right) SYP-160/200J | 1 |
| 16 | 15705304 | Fan motor | 1 |
| 17 | 01325301 | Fan Fixed Plate | 1 |
| 18 | 15012454 | Fan (left) SYP-160/200J | 1 |
| 19 | 01025297 | Evaporator Assy | 1 |
| 20 | 01315304 | Right Side Plate | 1 |
| | 01495304 | Seal of Connection Pipe | 1 |
| | 76712455 | Choke Plug of Drain Pipe | 1 |
| | 43138220 | Water Pump | 1 |
| | 15405302 | Water Pump Assy | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 02112446 | Hook | 4 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 450127011 | Water Level Switch | 1 |
| | 01495302 | Seal of Connection Pipe | 1 |

14.7 Spare part list of Indoor Unit DAF036

| NO. | Part Code | Part Description | qty |
|-----|-----------------|----------------------------|-----|
| 1 | 111253031 | air filter | 1 |
| 2 | 01315306 | Left Side Plate | 1 |
| 3 | 01265306 | Top Cover | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 390001921G | Tube Sensor | 1 |
| 6 | 01395764 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010734 | Capacitor | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01285323 | Water Tray Components | 1 |
| 14 | 15265301 | Bottom Cover | 1 |
| 15 | 15018603 | Fan | 1 |
| 16 | 15705305 | Fan Motor | 1 |
| 17 | 01325220 | Fixing Plate Sub-assy | 1 |
| 18 | 15018604 | Fan | 1 |
| 19 | 01025249 | Evaporator Assy | 1 |
| 20 | 01315341 | Right Side Plate Sub-Assy | 1 |
| | 01495306 | Seal of Connection Pipe | 1 |
| | 01495304 | Seal of Connection Pipe | 1 |
| | 01375301 | Side Plate of Air intake | 1 |
| | 76712455 | Choke Plug of Drain Pipe | 1 |
| | 43138220 | Water Pump | 1 |
| | 15405302 | Water Pump Assy | 1 |
| | 450127011 | Water Level Switch | 1 |
| | 018953022 | Evaporator Support Plate | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 02112466 | Hook | 4 |
| | 01845221 | Electrical Retaining Plate | 1 |
| | 01425269 | Electric Box Cover | 1 |

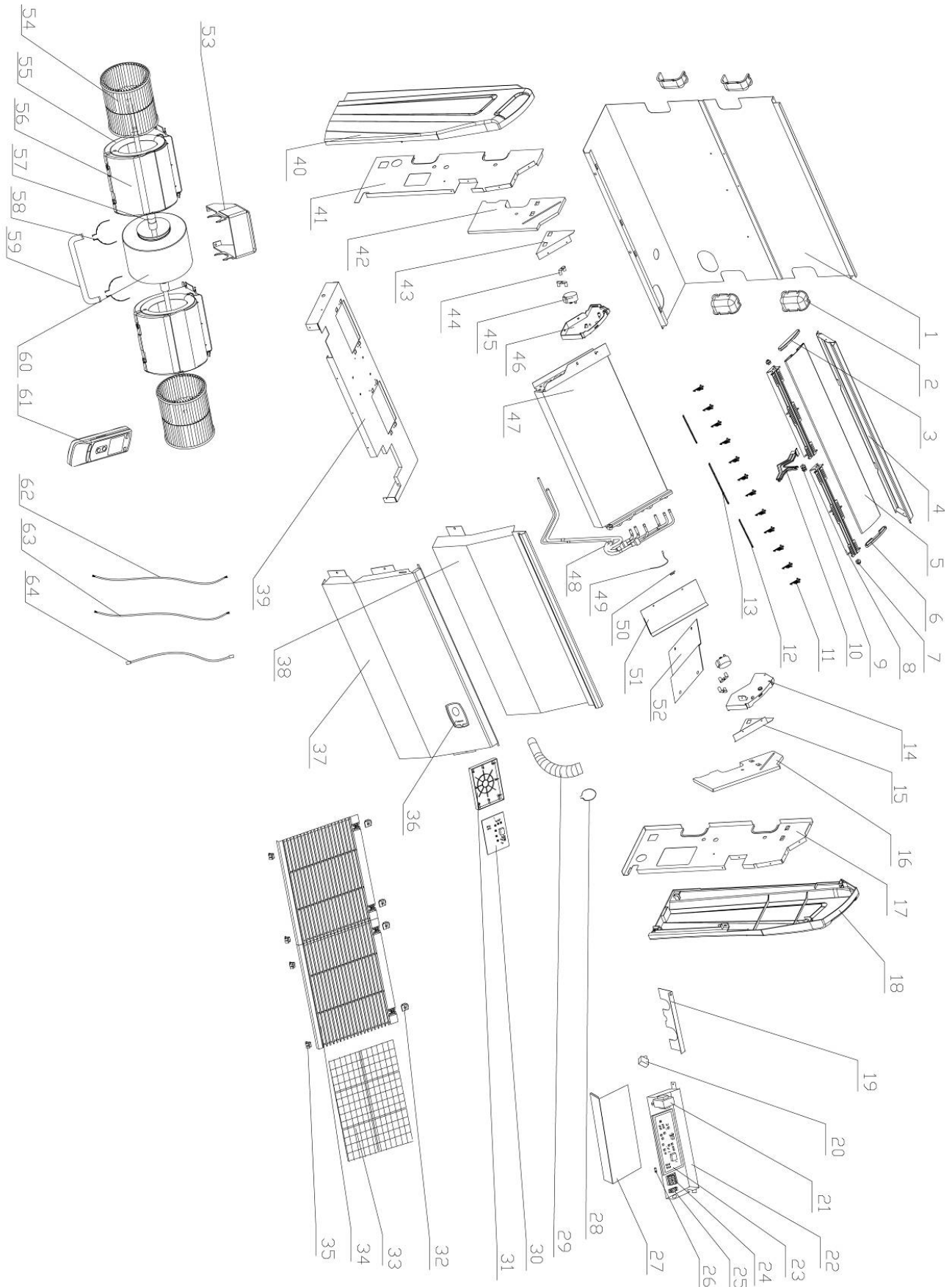
14.8 Spare part list of Indoor Unit DAF042

| NO. | Part Code | Part Description | qty |
|-----|-----------------|----------------------------|-----|
| 1 | 111253031 | air filter | 1 |
| 2 | 01315306 | Left Side Plate | 1 |
| 3 | 01265306 | Top Cover | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 390001921G | Tube Sensor | 1 |
| 6 | 01395764 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010734 | Capacitor | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01285323 | Water Tray Components | 1 |
| 14 | 15265301 | Bottom Cover | 1 |
| 15 | 15018604 | Fan | 1 |
| 16 | 15705305 | Fan Motor | 1 |
| 17 | 01325220 | Fixing Plate Sub-assy | 1 |
| 18 | 15018603 | Fan | 1 |
| 19 | 0102524901 | Evaporator Assy | 1 |
| 20 | 01315341 | Right Side Plate Sub-Assy | 1 |
| | 15405302 | Water Pump Assy | 1 |
| | 450127011 | Water Level Switch | 1 |
| | 0102525001 | Evaporator Assy | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 01495304 | Seal of Connection Pipe | 1 |
| | 01375301 | Side Plate of Air intake | 1 |
| | 76712455 | Choke Plug of Drain Pipe | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 02112466 | Hook | 4 |
| | 01495306 | Seal of Connection Pipe | 1 |
| | 01845221 | Electrical Retaining Plate | 1 |
| | 43138220 | Water Pump | 1 |

14.9 Spare part list of Indoor Unit DAF060

| NO. | Part Code | Part Description | qty |
|-----|-----------------|----------------------------|-----|
| 1 | 111253032 | Filter Sub-assy | 2 |
| 2 | 01309108 | Left Side Plate | 1 |
| 3 | 01259111 | Top Cover | 1 |
| 4 | 3900012123G | Temperature Sensor | 1 |
| 5 | 3900012121G | Temperature Sensor | 1 |
| 6 | 01395764 | Electric Box Assy | 1 |
| 7 | 30228205 | Main PCB2 Z8235 | 1 |
| 8 | 43110239 | Transformer | 1 |
| 9 | 33010734 | Capacitor | 1 |
| 10 | 420101851 | Terminal Board | 1 |
| 11 | 42010194 | Terminal Board | 1 |
| 12 | 30294219_K38101 | Display Board | 1 |
| 13 | 01279114 | Water Tray Assy | 1 |
| 14 | 01259114 | Bottom Cover | 1 |
| 15 | 15019066 | Fan (right) SYP-200/190J-3 | 1 |
| 16 | 15705305 | Fan Motor | 1 |
| 17 | 01339110 | Fan Fixed Plate | 1 |
| 18 | 15019065 | Fan (left) SYP-200/190J-3 | 1 |
| 19 | 01025331 | Evaporator Assy | 1 |
| 20 | 01315339 | Right Side Plate Sub-Assy | 1 |
| | 450127011 | Water Level Switch | 1 |
| | 76712707 | Pump Gasket 1 | 1 |
| | 76712708 | Pump Gasket 2 | 1 |
| | 43138220 | Water Pump | 1 |
| | 01845221 | Electrical Retaining Plate | 1 |
| | 15405302 | Water Pump Assy | 1 |
| | 01709070 | Motor Support Sub-Assy | 1 |
| | 01425269 | Electric Box Cover | 1 |
| | 01495304 | Seal of Connection Pipe | 1 |
| | 76712454 | Choke Plug of Water Pipe | 1 |
| | 30510460 | Remote controller YX1F1 | 2 |
| | 02112466 | Hook | 4 |

14.10 Exploded view of Indoor unit: FAF012, FAF018



14.11 Spare part list of Indoor Unit FAF012

| NO. | Part Code | Part Description | qty |
|-----|------------|----------------------------------|-----|
| 1 | 01302013 | Rear Side Plate | 1 |
| 2 | 26232001 | Handle | 4 |
| 3 | 261124152 | Decorate Plate | 1 |
| 4 | 0130201501 | Rear side plate assy | 1 |
| 5 | 1051953202 | Guide Louver | 1 |
| 6 | 261124162 | Decorate Plate | 1 |
| 7 | 10512026 | Shaft of Guide Louver II | 2 |
| 8 | 24212019 | Guide Louver Support | 2 |
| 9 | 10512025 | Shaft of Guide Louver I | 1 |
| 10 | 24212018 | Louver Fixer | 1 |
| 11 | 10512027 | Air Louver | 12 |
| 12 | 10582009 | Swing Lever | 1 |
| 13 | 10582008 | Swing Lever | 2 |
| 14 | 26152006 | Right Support Plate | 1 |
| 15 | 01072411 | Right Fixing Plate of Evaporator | 1 |
| 16 | 12312404 | Foam Of Right Side Plate Assy | 1 |
| 17 | 01332404 | Mounting Plate | 1 |
| 18 | 26112027 | Right Decorative Board | 1 |
| 19 | 0107243701 | Pipe Clamp Plate | 1 |
| 20 | 33010020 | Capacitor CBB61 | 1 |
| 21 | 43110237 | Transformer | 1 |
| 22 | 0140240701 | Electric Box | 1 |
| 23 | 30227021 | Main Board | 1 |
| 24 | 42011159 | Terminal Board | 1 |
| 25 | 24253001 | Wire Base | 1 |
| 26 | 46010013 | Fuse | 1 |
| 27 | 01412408 | Electric Box Cover | 1 |
| 28 | 70812001 | Pipe Hoop | 1 |
| 29 | 05235433 | Drainage Pipe Sub-assy | 1 |
| 30 | 30545654 | Display Board | 1 |
| 31 | 20102138 | Display Box | 1 |
| 32 | 26252002 | Front Grill Clip1 | 2 |
| 33 | 11122013 | Filter Sub-Assy | 1 |
| 34 | 22412010 | Front Grill | 1 |
| 35 | 26252003 | Front Grill Clip | 2 |
| 36 | 201620041 | Button Panel Sub-Assy | 1 |
| 37 | 01532001P | Front Panel Sub-assy | 1 |
| 38 | 01272205P | Water Tray Panel | 1 |
| 39 | 01709532 | Motor Support | 1 |
| 40 | 26112028 | Left Decorative Board | 1 |
| 41 | 01332405 | Mounting Plate | 1 |
| 42 | 12312403 | Foam Sub-assy | 1 |
| 43 | 01072410 | Left Fixing Plate of Evaporator | 1 |
| 44 | 26112026 | Motor Clamp | 4 |
| 45 | 15212402 | Step Motor | 1 |
| 46 | 26152005 | Left Fixing Plate | 1 |
| 47 | 01032467 | Evaporator Sub-Assy | 1 |
| 48 | 03222519 | Liquid-intake Pipe Components | 1 |

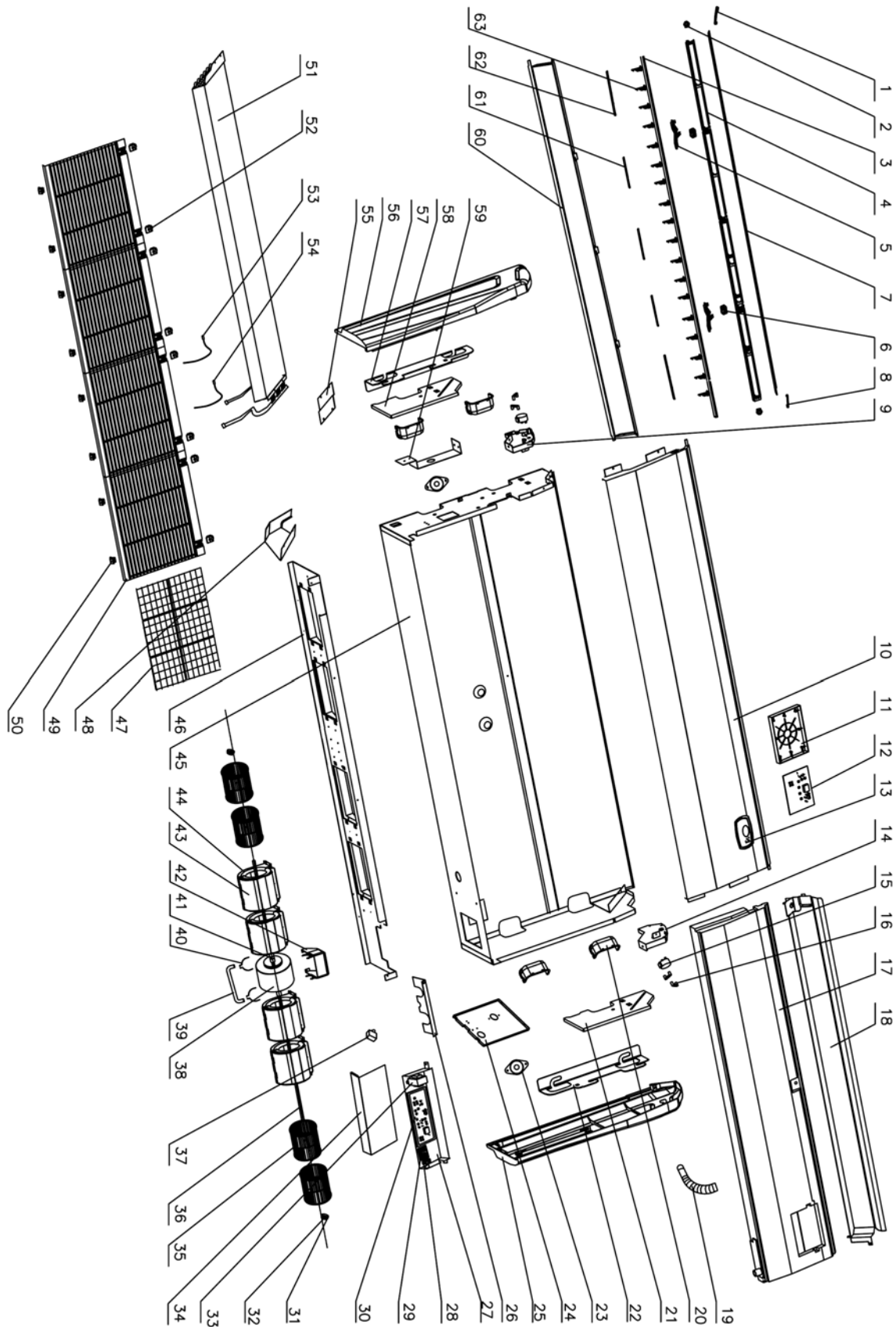
| | | | |
|----|------------|--------------------------------|---|
| 49 | 39000194 | Outdoor Tube Sensor | 1 |
| 50 | 42020063 | Sensor Insert | 1 |
| 51 | 01362001 | Water Lead Panel | 1 |
| 52 | 01072409 | Cover Of Evaporator | 1 |
| 53 | 01708763 | Fixed Mount | 1 |
| 54 | 10312401 | Centrifugal Fan | 2 |
| 55 | 22202032 | Propeller Housing | 2 |
| 56 | 22202031 | Front Volute Casing | 2 |
| 57 | | Axes Connector | 0 |
| 58 | 70819522 | Bar Clasp | 4 |
| 59 | 70819521 | Hoop | 1 |
| 60 | 15707302 | Fan Motor | 1 |
| 61 | | Remote Controller | 0 |
| 62 | | Connecting Cable | 0 |
| 63 | | Connecting Cable | 0 |
| 64 | 4001023214 | Signal Wire | 1 |
| | 24253002 | Wire Clamp | 1 |
| | 03533425 | Air Collecting Pipe Components | 1 |
| | 30294219 | Display Board | 1 |
| | 30510136 | Remote Controller | 1 |

14.12 Spare part list of Indoor Unit FAF018

| NO. | Part Code | Part Description | qty |
|------|------------|----------------------------------|-----|
| 1 | 01302013 | Rear Side Plate | 1 |
| 2 | 26232001 | Handle | 4 |
| 3 | 261124152 | Decorate Plate | 1 |
| 4 | 0130201501 | Rear side plate assy | 1 |
| 5 | 1051953202 | Guide Louver | 1 |
| 6 | 261124162 | Decorate Plate | 1 |
| 7 | 10512026 | Shaft of Guide Louver II | 2 |
| 8 | 24212019 | Guide Louver Support | 2 |
| 9 | 10512025 | Shaft of Guide Louver I | 1 |
| 10 | 24212018 | Louver Fixer | 1 |
| 11 | 10512027 | Air Louver | 12 |
| 12 | 10582009 | Swing Lever | 1 |
| 13 | 10582008 | Swing Lever | 2 |
| 14 | 26152006 | Right Support Plate | 1 |
| 15 | 01072411 | Right Fixing Plate of Evaporator | 1 |
| 16 | 12312404 | Foam Of Right Side Plate Assy | 1 |
| 17 | 01332404 | Mounting Plate | 1 |
| 18 | 26112027 | Right Decorative Board | 1 |
| 19 | 0107243701 | Pipe Clamp Plate | 1 |
| 20 | 33010027 | Capacitor CBB61 | 1 |
| 21 | 43110237 | Transformer | 1 |
| 22 | 0140240701 | Electric Box | 1 |
| 23 | 30227021 | Main Board | 1 |
| 24 | 42011159 | Terminal Board | 1 |
| 25.1 | 24253001 | Wire Base | 1 |
| 25.2 | 24253002 | Wire Clamp | 1 |
| 26 | 46010013 | Fuse | 1 |
| 27 | 01412408 | Electric Box Cover | 1 |
| 28 | 70812001 | Pipe Hoop | 1 |
| 29 | 05235433 | Drainage Pipe Sub-assy | 1 |
| 30 | 30545654 | Display Board | 1 |
| 31 | 20102138 | Display Box | 1 |
| 32 | 26252002 | Front Grill Clip1 | 2 |
| 33 | 11122013 | Filter Sub-Assy | 1 |
| 34 | 22412010 | Front Grill | 1 |
| 35 | 26252003 | Front Grill Clip | 2 |
| 36 | 201620041 | Button Panel Sub-Assy | 1 |
| 37 | 01532001P | Front Panel Sub-assy | 1 |
| 38 | 01272205P | Water Tray Panel | 1 |
| 39 | 01709532 | Motor Support | 1 |
| 40 | 26112028 | Left Decorative Board | 1 |
| 41 | 01332405 | Mounting Plate | 1 |
| 42 | 12312403 | Foam Sub-assy | 1 |
| 43 | 01072410 | Left Fixing Plate of Evaporator | 1 |
| 44 | 26112026 | Motor Clamp | 4 |
| 45 | 15212402 | Step Motor | 1 |
| 46 | 26152005 | Left Fixing Plate | 1 |
| 47 | 01032468 | Evaporator Sub-Assy | 1 |

| | | | |
|------|------------|--------------------------------|---|
| 48.1 | 03222520 | Liquid-intake Pipe Components | 1 |
| 48.2 | 03533428 | Air Collecting Pipe Components | 1 |
| 49 | 39000194 | Outdoor Tube Sensor | 1 |
| 50 | 42020063 | Sensor Insert | 1 |
| 51 | 01362001 | Water Lead Panel | 1 |
| 52 | 01072409 | Cover Of Evaporator | 1 |
| 53 | 01708763 | Fixed Mount | 1 |
| 54 | 10312401 | Centrifugal Fan | 2 |
| 55 | 22202032 | Propeller Housing | 2 |
| 56 | 22202031 | Front Volute Casing | 2 |
| 57 | | Axes Connector | 0 |
| 58 | 70819522 | Bar Clasp | 4 |
| 59 | 70819521 | Hoop | 1 |
| 60 | 157073024 | Fan Motor | 1 |
| 61 | | Remote Controller | 0 |
| 62 | | Connecting Cable | 0 |
| 63 | | Connecting Cable | 0 |
| 64 | 4001023214 | Signal Wire | 1 |
| | 30294219 | Display Board | 1 |
| | 30510136 | Remote Controller | 1 |

14.13 Exploded view of Indoor unit: FAF024



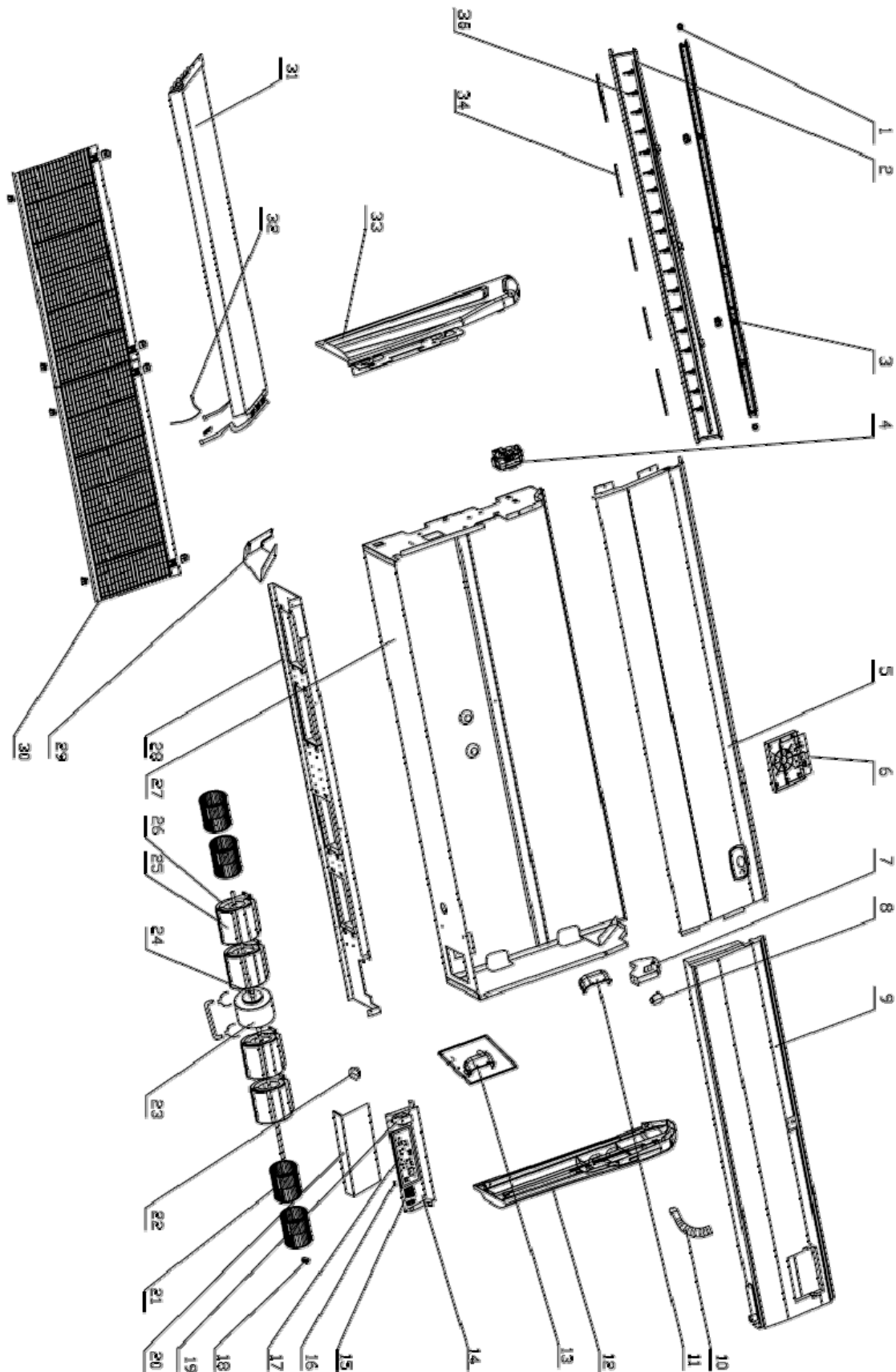
14.14 Spare part list of Indoor Unit FAF024

| NO. | Part Code | Part Description | qty |
|-----|------------|---|-----|
| 1 | 261124172 | Decorative Board | 1 |
| 2 | 10512025 | Shaft of Louver | 2 |
| 3 | 0133242202 | Mounting Plate Sub-Assy of Swing Vane | 1 |
| 4 | 24212020 | Louver Support | 3 |
| 5 | 24222016 | Louver Fixer | 2 |
| 6 | 1051241001 | Air Guider Assy | 1 |
| 7 | 10512026 | Shaft of Louver | 2 |
| 8 | 261124212 | Decorative Board | 1 |
| 9 | 26152407 | Left mounting plate(Louver Motor) | 1 |
| 10 | 015324104 | Front Panel Assy | 1 |
| 11 | 20102138 | Display Box | 1 |
| 12 | 30545654 | Display Board | 1 |
| 13 | 20162004 | Button Panel Sub-Assy | 1 |
| 14 | 26152408 | Right mounting plate(Louver Motor) | 1 |
| 15 | 15212402 | Stepping Motor | 1 |
| 16 | 26112026 | Motor Clamp | 1 |
| 17 | 0127241401 | Water Tray Assy | 1 |
| 18 | 01272403 | Auxiliary Water Tray | 1 |
| 19 | 05235433 | Drain Pipe Sub-Assy | 1 |
| 20 | 26232001 | Handle | 4 |
| 21 | 12312407 | Right side board foam sub-assy | 1 |
| 22 | 01332404 | Mounting Plate | 1 |
| 23 | 01792408 | Support Of Motor Bearing | 2 |
| 24 | 01792409 | Fixer of Motor Support | 1 |
| 25 | 26112033 | Right Decoration Panel | 1 |
| 26 | 01072438 | Outlet pipe press board sub-assy (evaporator) | 1 |
| 27 | 01399620 | Electric Box Assy | 1 |
| 28 | 420101851 | Terminal Board | 1 |
| 29 | 42011159 | Terminal Board | 1 |
| 30 | 30227021 | Main PCB Z7A251B | 1 |
| 32 | 76512210 | Fan Bearing | 2 |
| 33 | 43110237 | Transformer 57X25C | 1 |
| 34 | 01412408 | Electric Box Cover | 1 |
| 35 | 10312401 | Centrifugal Fan | 4 |
| 36 | 73012401 | Rotary Axis Assy | 2 |
| 37 | 33010027 | Capacitor CBB611A(3uF/450V) | 1 |
| 38 | 1501240601 | Motor FN100B | 1 |
| 39 | 01722409 | Motor Clip | 1 |
| 40 | 01702405 | Motor Press Plate | 2 |
| 41 | 73012403 | Joint Slack | 2 |
| 42 | 01332426 | Motor Mounting Plate Sub-Assy | 1 |
| 43 | 22202031 | Front Volute Casing | 4 |
| 44 | 22202032 | Rear Volute Casing | 4 |
| 45 | 01302429 | Rear Side Plate | 1 |
| 46 | 01702410 | Motor Support Sub-Assy | 1 |
| 47 | 11122012 | Filter | 1 |
| 48 | 01362401 | Water Lead Plate | 1 |
| 49 | 22412401 | Front Grill Assy | 2 |
| 50 | 26252003 | Front Grill Clip | 2 |
| 51 | 010024052 | Evaporator Assy | 1 |
| 52 | 26252002 | Front Grill Clip | 2 |

EXPLODED VIEW & SPARE PART LIST

| | | | |
|----|------------|------------------------------------|----|
| 53 | 39000186 | Temperature Sensor(15K black) | 1 |
| 54 | 390001215G | Temperature Sensor | 1 |
| 55 | 01072417 | Evaporator Cover | 1 |
| 56 | 26112032 | Left Decoration Panel | 1 |
| 57 | 01332405 | Mounting Plate | 1 |
| 58 | 12312406 | Left side board foam sub-assy | 1 |
| 59 | 01332428 | Bearing Mounting Plate Sub-Assy | 1 |
| 60 | 01302418 | Rear Side Plate assy of Air Outlet | 1 |
| 61 | 10582008 | Swing Lever | 3 |
| 62 | 10582009 | Swing Link Lever | 2 |
| 63 | 10512028 | Air Louver | 22 |
| | 30294219 | Display Board | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |

14.15 Exploded view of Indoor unit: FAF030

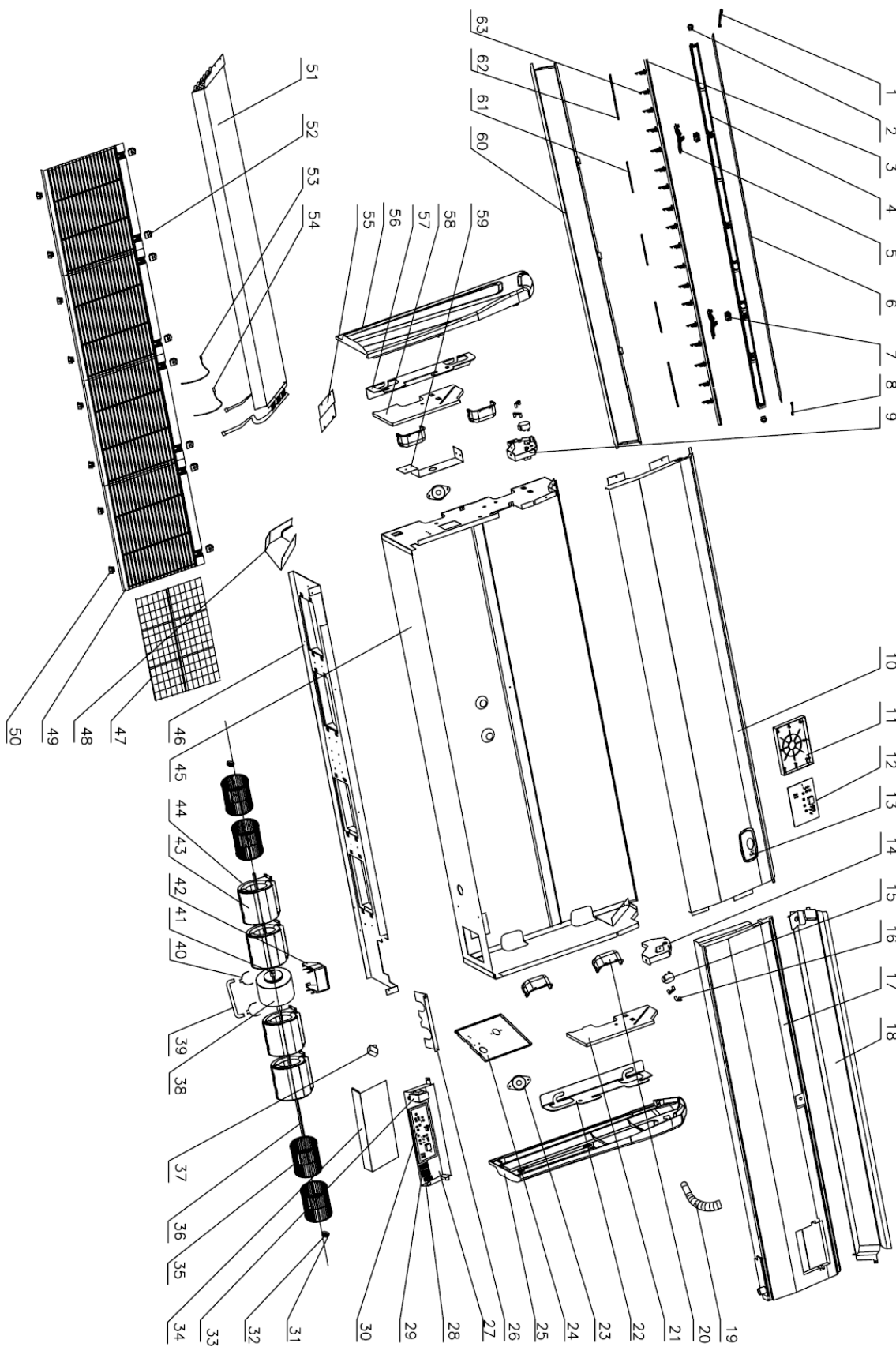


14.16 Spare part list of Indoor Unit FAF030

| NO. | Part Code | Part Description | qty |
|-----|------------|---|-----|
| 1 | 10512025 | Shaft of Louver | 2 |
| 2 | 0133242202 | Mounting Plate Sub-Assy of Swing Vane | 1 |
| 3 | 1051241001 | Air Guider Assy | 1 |
| 4 | 26152407 | Left mounting plate(Louver Motor) | 1 |
| 5 | 015324104 | Front Panel Assy | 1 |
| 6 | 30545654 | Display Board | 1 |
| 7 | 26152408 | Right mounting plate(Louver Motor) | 1 |
| 8 | 15212402 | Stepping Motor | 1 |
| 9 | 0127241401 | Water Tray Assy | 1 |
| 10 | 05235433 | Drain Pipe Sub-Assy | 1 |
| 11 | 26232001 | Handle | 4 |
| 12 | 26112033 | Right Decoration Panel | 1 |
| 13 | 01332428 | Bearing Mounting Plate Sub-Assy | 1 |
| 14 | 01399620 | Electric Box Assy | 1 |
| 15 | 42011159 | Terminal Board | 1 |
| 16 | 46010013 | Fuse 5A/250V | 1 |
| 17 | 30227021 | Main PCB Z7A251B | 1 |
| 18 | 76512210 | Fan Bearing | 2 |
| 19 | 43110237 | Transformer 57X25C | 1 |
| 20 | 01412408 | Electric Box Cover | 1 |
| 21 | 10312401 | Centrifugal Fan | 4 |
| 22 | 33010027 | Capacitor CBB611A(3uF/450V) | 1 |
| 23 | 1501240601 | Motor FN100B | 1 |
| 24 | 73012403 | Joint Slack | 2 |
| 25 | 22202031 | Front Volute Casing | 4 |
| 26 | 22202032 | Rear Volute Casing | 4 |
| 27 | 01302429 | Rear Side Plate | 1 |
| 28 | 01702410 | Motor Support Sub-Assy | 1 |
| 29 | 01362401 | Water Lead Plate | 1 |
| 30 | 22412401 | Front Grill Assy | 2 |
| 31 | 01029414 | Evaporator Assy | 1 |
| 32 | 390001215G | Temperature Sensor | 1 |
| 33 | 26112032 | Left Decoration Panel | 1 |
| 34 | 10582008 | Swing Lever | 3 |
| 35 | 10512028 | Air Louver | 22 |
| | 15212402 | Stepping Motor | 1 |
| | 01792408 | Support Of Motor Bearing | 2 |
| | 10512026 | Shaft of Louver | 2 |
| | 420101851 | Terminal Board | 1 |
| | 01072417 | Evaporator Cover | 1 |
| | 30294219 | Display Board | 1 |
| | 01332405 | Mounting Plate | 1 |
| | 24222016 | Louver Fixer | 2 |
| | 01722409 | Motor Clip | 1 |
| | 01702405 | Motor Press Plate | 2 |
| | 01072438 | Outlet pipe press board sub-assy (evaporator) | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |
| | 01332404 | Mounting Plate | 1 |
| | 73012401 | Rotary Axis Assy | 2 |

| | | | |
|--|----------|-------------------------------|---|
| | 42020063 | Sensor Insert | 1 |
| | 01792409 | Fixer of Motor Support | 1 |
| | 76512404 | O-Gasket of Bearing | 2 |
| | 01702405 | Motor Press Plate | 1 |
| | 24222016 | Louver Fixer | 2 |
| | 22412011 | Grille | 1 |
| | 11122012 | Filter | 1 |
| | 39000186 | Temperature Sensor(15K black) | 1 |
| | 10582009 | Swing Link Lever | 2 |

14.17 Exploded view of Indoor unit: FAF036/042



14.18 Spare part list of Indoor Unit FAF036

| NO. | Part Code | Part Description | qty |
|-----|------------|---|-----|
| 1 | 261124152 | Left Decoration Plate | 1 |
| 2 | 10512025 | Shaft of Louver | 3 |
| 3 | 0133241802 | Swing Louver Fixer sub-assy | 1 |
| 4 | 24212019 | Guide Louver Holder | 4 |
| 5 | 24212018 | Louver Fixer | 3 |
| 6 | 1051240602 | Guide Louver | 1 |
| 7 | 10512026 | Shaft of Louver | 2 |
| 8 | 261124162 | Right Decoration Plate | 1 |
| 9 | 26152405 | Left Swing Motor Fixer | 1 |
| 10 | 015324091 | Front Panel Assy | 1 |
| 11 | 20102138 | Display Box | 1 |
| 12 | 30545654 | Display Board | 1 |
| 13 | 201620041 | Button Panel Sub-Assy | 1 |
| 14 | 26152406 | Right Swing Motor Fixer | 1 |
| 15 | 15212402 | Stepping Motor | 1 |
| 16 | 26112026 | Motor Clamp | 1 |
| 17 | 0127240802 | Water Tray Sub-Assy | 1 |
| 18 | 01272409 | Water Tray | 1 |
| 19 | 05235433 | Drain Pipe Sub-Assy | 1 |
| 20 | 26232001 | Handle | 4 |
| 21 | 12312404 | Foam of Right Side Plate | 1 |
| 22 | 01332404 | Mounting Plate | 1 |
| 23 | 01792408 | Support Of Motor Bearing | 1 |
| 24 | 01792407 | Shoe Plate of Motor Support | 1 |
| 25 | 26112027 | Decorative Board | 1 |
| 26 | 01072437 | Evaporator outlet tube press plate sub-assy | 1 |
| 27 | 01399619 | Electric Box Assy | 1 |
| 28 | 420101851 | Terminal Board | 1 |
| 29 | 42011159 | Terminal Board | 1 |
| 30 | 30227021 | Main PCB Z7A251B | 1 |
| 32 | 76512210 | Fan Bearing | 1 |
| 33 | 43110237 | Transformer 57X25C | 1 |
| 34 | 01412408 | Electric Box Cover | 1 |
| 35 | 10319051 | Centrifugal Fan | 4 |
| 36 | 73012402 | Rotary Axis Sub-Assy | 2 |
| 37 | 33010037 | Capacitor | 1 |
| 38 | 15012405 | Fan Motor | 1 |
| 39 | 01722410 | Motor Fixer | 1 |
| 40 | 01702405 | Motor Press Plate | 2 |
| 41 | 73012403 | Joint Slack | 2 |
| 42 | 01332425 | Motor Mounting Plate Sub-Assy | 1 |
| 43 | 22202030 | Front Volute Casing | 4 |
| 44 | 22202029 | Rear Snail Shell | 4 |
| 45 | 01302431 | Rear Side Plate Assy | 1 |
| 46 | 01702411 | Motor Support Sub-Assy | 1 |
| 47 | 11122013 | Filter | 1 |
| 48 | 01362407 | Water Lead Plate Sub-Assy | 1 |
| 49 | 22412010 | Grille | 1 |
| 49 | 22412012 | Front Grill | 4 |
| 50 | 26252003 | Front Grill Clip | 1 |
| 51 | 01029610 | Evaporator Assy | 1 |

EXPLODED VIEW & SPARE PART LIST

| | | | |
|----|-----------|-------------------------------|----|
| 52 | 26252002 | Front Grill Clip | 1 |
| 53 | 39000194G | Temp Sensor (20K) | 1 |
| 54 | 39000186 | Temperature Sensor(15K black) | 1 |
| 55 | 01072409 | Cover Of Evaporator | 1 |
| 56 | 26112028 | Decorative Board | 1 |
| 57 | 01332405 | Mounting Plate | 1 |
| 58 | 12312403 | Left Side Foam | 1 |
| 59 | 01332417 | Bearing Mounting Plate Assy | 1 |
| 60 | 01302417 | Rear Side Plate Sub-Assy | 1 |
| 61 | 10582008 | Swing Lever | 2 |
| 62 | 10582009 | Swing Link Lever | 4 |
| 63 | 10512027 | Air Louver | 26 |
| | 45020051 | Dial Switch of Three-way | 1 |
| | 01722405 | Retaining Plate of Capacitor | 1 |
| | 30294219 | Display Board | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |

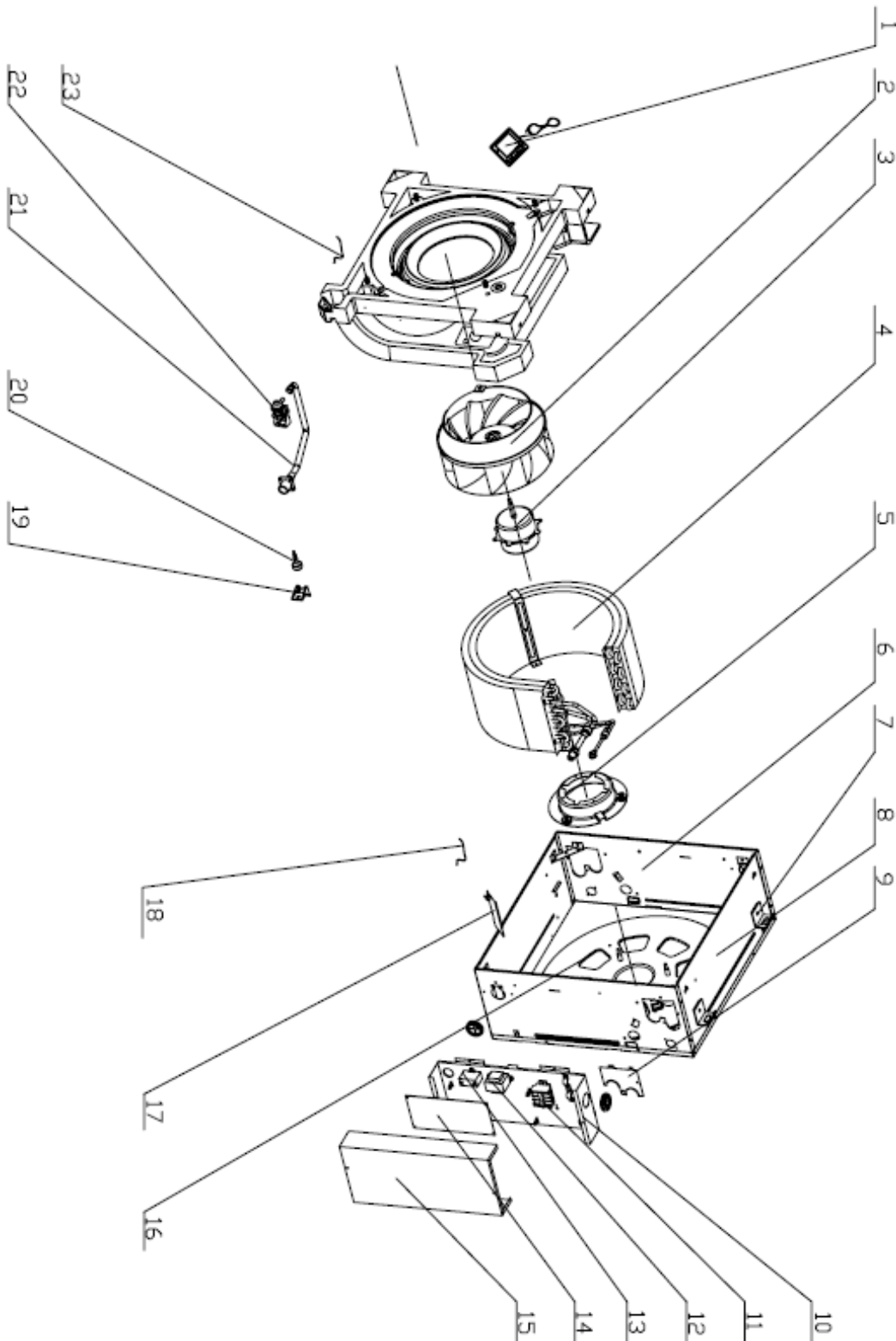
14.19 Spare part list of Indoor Unit FAF042

| NO. | Part Code | Part Description | qty |
|-----|------------|---|-----|
| 1 | 261124152 | Left Decoration Plate | 1 |
| 2 | 10512025 | Shaft of Louver | 3 |
| 3 | 0133241802 | Swing Louver Fixer sub-assy | 1 |
| 4 | 24212019 | Guide Louver Holder | 4 |
| 5 | 24212018 | Louver Fixer | 3 |
| 6 | 1051240602 | Guide Louver | 1 |
| 7 | 10512026 | Shaft of Louver | 2 |
| 8 | 261124162 | Right Decoration Plate | 1 |
| 9 | 26152405 | Left Swing Motor Fixer | 1 |
| 10 | 015324091 | Front Panel Assy | 1 |
| 11 | 20102138 | Display Box | 1 |
| 12 | 30545654 | Display Board | 1 |
| 13 | 201620041 | Button Panel Sub-Assy | 1 |
| 14 | 26152406 | Right Swing Motor Fixer | 1 |
| 15 | 15212402 | Stepping Motor | 1 |
| 16 | 26112026 | Motor Clamp | 1 |
| 17 | 0127240802 | Water Tray Sub-Assy | 1 |
| 18 | 01272409 | Water Tray | 1 |
| 19 | 05235433 | Drain Pipe Sub-Assy | 1 |
| 20 | 26232001 | Handle | 4 |
| 21 | 12312404 | Foam of Right Side Plate | 1 |
| 22 | 01332404 | Mounting Plate | 1 |
| 23 | 01792408 | Support Of Motor Bearing | 1 |
| 24 | 01792407 | Shoe Plate of Motor Support | 1 |
| 25 | 26112027 | Decorative Board | 1 |
| 26 | 01072437 | Evaporator outlet tube press plate sub-assy | 1 |
| 27 | 01399619 | Electric Box Assy | 1 |
| 28 | 420101851 | Terminal Board | 1 |
| 29 | 42011159 | Terminal Board | 1 |
| 30 | 30227021 | Main PCB Z7A251B | 1 |
| 32 | 76512210 | Fan Bearing | 1 |
| 33 | 43110237 | Transformer 57X25C | 1 |
| 34 | 01412408 | Electric Box Cover | 1 |
| 35 | 10319051 | Centrifugal Fan | 4 |
| 36 | 73012402 | Rotary Axis Sub-Assy | 2 |
| 37 | 33010037 | Capacitor | 1 |
| 38 | 15012405 | Fan Motor | 1 |
| 39 | 01722410 | Motor Fixer | 1 |
| 40 | 01702405 | Motor Press Plate | 2 |
| 41 | 73012403 | Joint Slack | 2 |
| 42 | 01332425 | Motor Mounting Plate Sub-Assy | 1 |
| 43 | 22202030 | Front Volute Casing | 4 |
| 44 | 22202029 | Rear Snail Shell | 4 |
| 45 | 01302431 | Rear Side Plate Assy | 1 |
| 46 | 01702411 | Motor Support Sub-Assy | 1 |
| 47 | 11122013 | Filter | 1 |
| 48 | 01362407 | Water Lead Plate Sub-Assy | 1 |
| 49 | 22412010 | Grille | 1 |
| 49 | 22412012 | Front Grill | 4 |

EXPLODED VIEW & SPARE PART LIST

| | | | |
|----|-----------|-------------------------------|----|
| 50 | 26252003 | Front Grill Clip | 1 |
| 51 | 01029612 | Evaporator Assy | 1 |
| 52 | 26252002 | Front Grill Clip | 1 |
| 53 | 39000194G | Temp Sensor (20K) | 1 |
| 54 | 39000186 | Temperature Sensor(15K black) | 1 |
| 55 | 01072409 | Cover Of Evaporator | 1 |
| 56 | 26112028 | Decorative Board | 1 |
| 57 | 01332405 | Mounting Plate | 1 |
| 58 | 12312403 | Left Side Foam | 1 |
| 59 | 01332417 | Bearing Mounting Plate Assy | 1 |
| 60 | 01302417 | Rear Side Plate Sub-Assy | 1 |
| 61 | 10582008 | Swing Lever | 2 |
| 62 | 10582009 | Swing Link Lever | 4 |
| 63 | 10512027 | Air Louver | 26 |
| | 45020051 | Dial Switch of Three-way | 1 |
| | 01722405 | Retaining Plate of Capacitor | 1 |
| | 30294219 | Display Board | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |

14.20 Exploded view of Indoor unit: CAF012/018



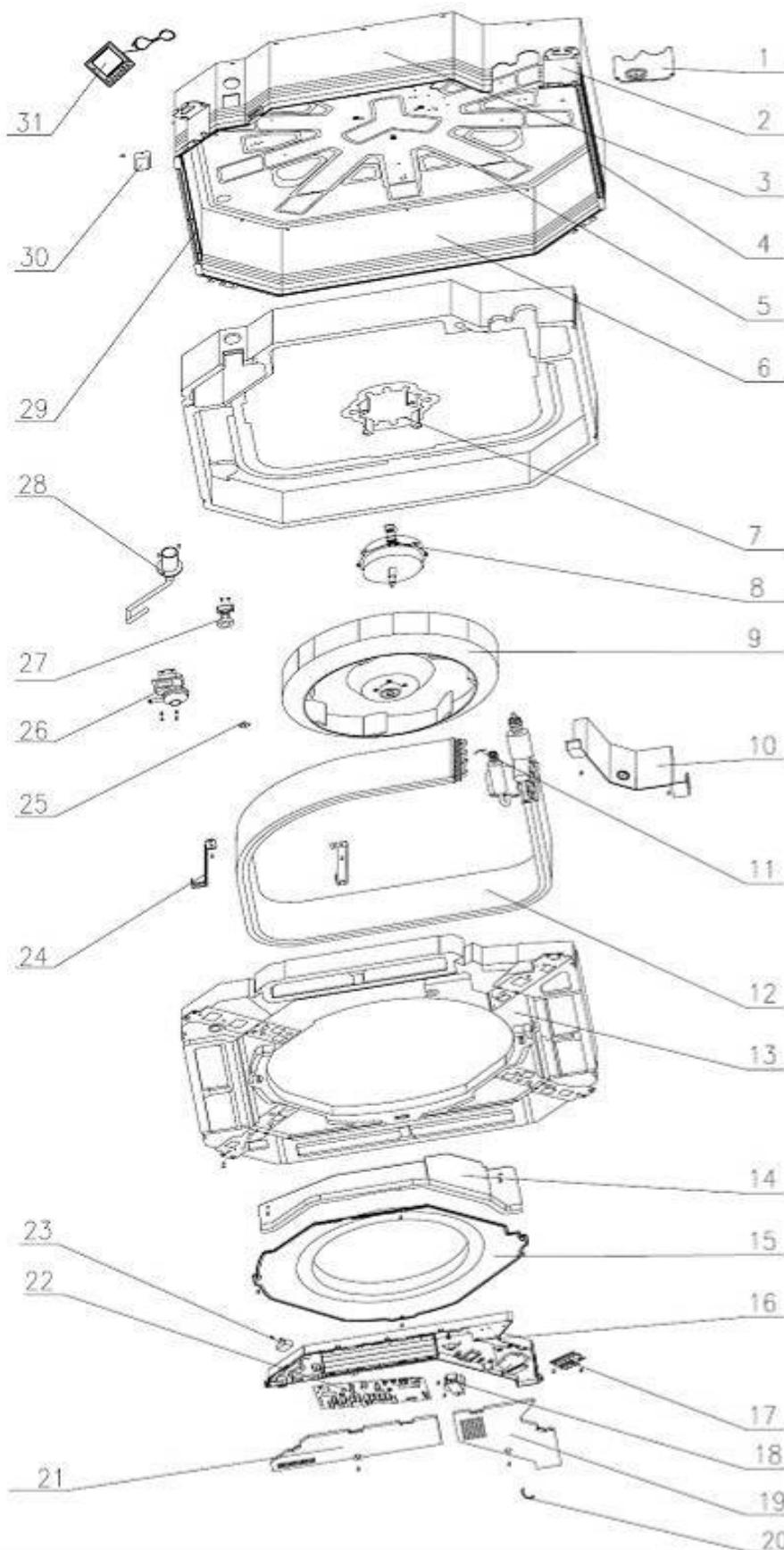
14.21 Spare part list of Indoor Unit CAF012

| NO. | Part Code | Part Description | qty |
|-----|-----------|----------------------------|-----|
| 1 | 30297301 | Display Board Z7A351 | 1 |
| 2 | 10312702 | Centrifugal Fan | 1 |
| 3 | 15012707 | Fan Motor | 1 |
| 4 | 01029608 | Evaporator Assy | 1 |
| 5 | 01702702 | Motor Mounting Rack | 1 |
| 9 | 01382719 | Tube Exit Plate Assy | 1 |
| 10 | 01399418 | Electric Box Assy | 1 |
| 11 | 42010258 | Terminal Board | 1 |
| 12 | 43110233 | Transformer 48X26G | 1 |
| 13 | 33010026 | Capacitor CBB61 | 1 |
| 14 | 30227110 | Main PCB Z71351D | 1 |
| 15 | 01412723 | Electric Box Cover | 1 |
| 18 | 390000592 | Tube Sensor | 1 |
| 20 | 450127011 | Water Level Switch | 1 |
| 21 | 05232722 | Drain Pipe for Water Pump | 1 |
| 22 | 43130320 | Water Pump | 1 |
| 23 | 39000191 | Ambient Temperature Sensor | 1 |
| | 01362704 | Right baffle Assy | 1 |
| | 01332708 | Pump Support Assy | 1 |
| | 20182704 | Water Tray Assy | 1 |
| | 20182703 | Water Tray | 1 |
| | 45020051 | Dial Switch of Three-way | 1 |
| | 49010252 | Radiator | 1 |
| | 40030079 | Connecting Wire | 1 |
| | 420101851 | Terminal Board | 1 |
| | 40010232 | 4-core Cable | 1 |

14.22 Spare part list of Indoor Unit CAF018

| NO. | Part Code | Part Description | qty |
|-----|-----------|----------------------------|-----|
| 1 | 30297301 | Display Board Z7A351 | 1 |
| 2 | 10312702 | Centrifugal Fan | 1 |
| 3 | 15012707 | Fan Motor | 1 |
| 4 | 01029408 | Evaporator Assy | 1 |
| 5 | 01702702 | Motor Mounting Rack | 1 |
| 9 | 01382719 | Tube Exit Plate Assy | 1 |
| 10 | 01399408 | Electric Box Assy | 1 |
| 11 | 42010258 | Terminal Board | 1 |
| 12 | 43110233 | Transformer 48X26G | 1 |
| 13 | 33010026 | Capacitor CBB61 | 1 |
| 14 | 30227110 | Main PCB Z71351D | 1 |
| 15 | 01412723 | Electric Box Cover | 1 |
| 18 | 390000592 | Tube Sensor | 1 |
| 20 | 450127011 | Water Level Switch | 1 |
| 22 | 43130320 | Water Pump | 1 |
| 23 | 39000191 | Ambient Temperature Sensor | 1 |

14.23 Exploded view of Indoor unit:CAF024/036/042



14.24 Spare part list of Indoor Unit CAF024

| NO. | Part Code | Part Description | qty |
|-----|------------|------------------------------|-----|
| 1 | 01382715 | Tube Exit Plate Assy | 1 |
| 2 | 01332701 | Major Mounting Plate | 4 |
| 3 | 01302718 | Front Side Plate | 1 |
| 4 | 01302715 | Left Side Plate Assy | 1 |
| 5 | 01222701 | Base Plate Assy | 1 |
| 6 | 01302714 | Rear Side Plate | 1 |
| 7 | 01702701 | Motor Mounting Rack | 1 |
| 8 | 15012703 | Fan Motor | 1 |
| 9 | 10312705 | Centrifugal Fan | 1 |
| 10 | 01074042 | Connection Sheet Assy | 1 |
| 11 | 390001921G | Tube Sensor | 1 |
| 12 | 010027101 | Evaporator Assy | 1 |
| 13 | 20182701 | Water Tray Assy | 1 |
| 14 | 01412721 | Electric Box Base Plate | 1 |
| 15 | 10372701 | Flow Guide Loop | 1 |
| 16 | 01399533 | Electric Box Assy | 1 |
| 17 | 42010258 | Terminal Board | 1 |
| 18 | 43110226 | Transformer | 1 |
| 19 | 20122054 | Electric Box Cover Sub-Assy1 | 1 |
| 20 | 390001911 | Ambient Temperature Sensor | 1 |
| 21 | 20122055 | Electric Box Cover Sub-Assy2 | 1 |
| 22 | 30227111 | Main PCB Z71351E | 1 |
| 23 | 33010010 | Capacitor CBB61 3.5kuF/450V | 1 |
| 24 | 01072703 | Evaporator of Fixed Mount | 2 |
| 25 | 10312701 | Fan Fixer | 1 |
| 26 | 43130324 | Water Pump | 1 |
| 27 | 45010201 | Water Level Switch | 1 |
| 28 | 05230026 | Drain Pipe for Water Pump | 1 |
| 29 | 01302716 | Right Side Plate | 1 |
| 30 | 01252713 | Pump Backup Cover Plate Assy | 1 |
| 31 | 30294219 | Display Board | 1 |
| | 420101851 | Terminal Board | 1 |
| | 05232702 | Drain Hose Assy | 1 |
| | 30510460 | Remote Controller | 1 |

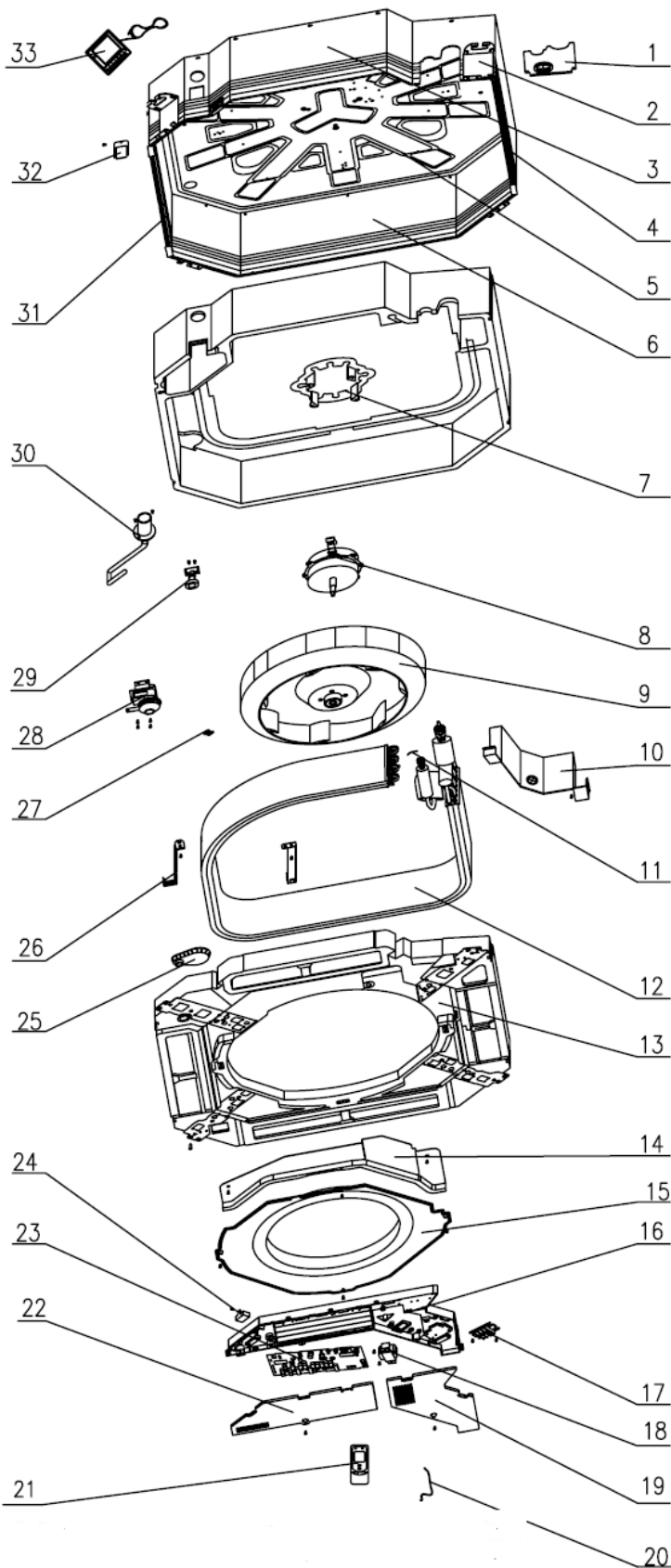
14.25 Spare part list of Indoor Unit CAF036

| NO. | Part Code | Part Description | qty |
|-----|------------|------------------------------|-----|
| 1 | 01382715 | Tube Exit Plate Assy | 1 |
| 2 | 01332701 | Major Mounting Plate | 4 |
| 3 | 01302713 | Front Side Plate | 1 |
| 4 | 01302711 | Left Side Plate Assy | 1 |
| 5 | 01222701 | Base Plate Assy | 1 |
| 6 | 01302709 | Rear Side Plate | 1 |
| 7 | 01702701 | Motor Mounting Rack | 1 |
| 8 | 15012706 | Fan Motor | 1 |
| 9 | 10310101 | Centrifugal Fan | 1 |
| 10 | 01072732 | Evaporator Linkage | 1 |
| 11 | 390001921G | Tube Sensor | 1 |
| 12 | 01029402 | Evaporator Assy | 1 |
| 13 | 20182701 | Water Tray Assy | 1 |
| 14 | 01412721 | Electric Box Base Plate | 1 |
| 15 | 10372722 | Flow Guide Loop | 1 |
| 16 | 01399531 | Electric Box Assy | 1 |
| 17 | 42010258 | Terminal Board | 1 |
| 18 | 43110226 | Transformer | 1 |
| 19 | 20122054 | Electric Box Cover Sub-Assy1 | 1 |
| 20 | 390001911 | Ambient Temperature Sensor | 1 |
| 21 | 20122055 | Electric Box Cover Sub-Assy2 | 1 |
| 22 | 30227111 | Main PCB Z71351E | 1 |
| 23 | 33010012 | Capacitor | 1 |
| 24 | 01072707 | Evaporator of Fixed Mount | 2 |
| 25 | 10312701 | Fan Fixer | 1 |
| 26 | 43130324 | Water Pump | 1 |
| 27 | 45010201 | Water Level Switch | 1 |
| 28 | 05230026 | Drain Pipe for Water Pump | 1 |
| 29 | 01302712 | Right Side Plate Assy | 1 |
| 30 | 01252713 | Pump Backup Cover Plate Assy | 1 |
| 31 | 30294219 | Display Board | 1 |
| | 420101851 | Terminal Board | 1 |
| | 01332751 | Water Pump Assy | 1 |
| | 05232702 | Drain Hose Assy | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |

14.26 Spare part list of Indoor Unit CAF042

| NO. | Part Code | Part Description | qty |
|-----|------------|------------------------------|-----|
| 1 | 01382715 | Tube Exit Plate Assy | 1 |
| 2 | 01332701 | Major Mounting Plate | 4 |
| 3 | 01302713 | Front Side Plate | 1 |
| 4 | 01302711 | Left Side Plate Assy | 1 |
| 5 | 01222701 | Base Plate Assy | 1 |
| 6 | 01302709 | Rear Side Plate | 1 |
| 7 | 01702701 | Motor Mounting Rack | 1 |
| 8 | 15012706 | Fan Motor | 1 |
| 9 | 10310101 | Centrifugal Fan | 1 |
| 10 | 01072732 | Evaporator Linkage | 1 |
| 11 | 390001921G | Tube Sensor | 1 |
| 12 | 01029405 | Evaporator Assy | 1 |
| 13 | 20182701 | Water Tray Assy | 1 |
| 14 | 01412721 | Electric Box Base Plate | 1 |
| 15 | 10372722 | Flow Guide Loop | 1 |
| 16 | 01399530 | Electric Box Assy | 1 |
| 17 | 42010258 | Terminal Board | 1 |
| 18 | 43110226 | Transformer | 1 |
| 19 | 20122054 | Electric Box Cover Sub-Assy1 | 1 |
| 20 | 390001911 | Ambient Temperature Sensor | 1 |
| 21 | 20122055 | Electric Box Cover Sub-Assy2 | 1 |
| 22 | 30227111 | Main PCB Z71351E | 1 |
| 23 | 33010012 | Capacitor | 1 |
| 24 | 01072707 | Evaporator of Fixed Mount | 2 |
| 25 | 10312701 | Fan Fixer | 1 |
| 26 | 01332751 | Water Pump Assy | 1 |
| 27 | 45010201 | Water Level Switch | 1 |
| 28 | 05230026 | Drain Pipe for Water Pump | 1 |
| 29 | 01302712 | Right Side Plate Assy | 1 |
| 30 | 01252713 | Pump Backup Cover Plate Assy | 1 |
| 31 | 30294219 | Display Board | 1 |
| | 420101851 | Terminal Board | 1 |
| | 05232702 | Drain Hose Assy | 1 |
| | 05232044 | Drain Hose | 1 |
| | 43130324 | Water Pump | 1 |
| | 30510460 | Remote controller YX1F1 | 1 |

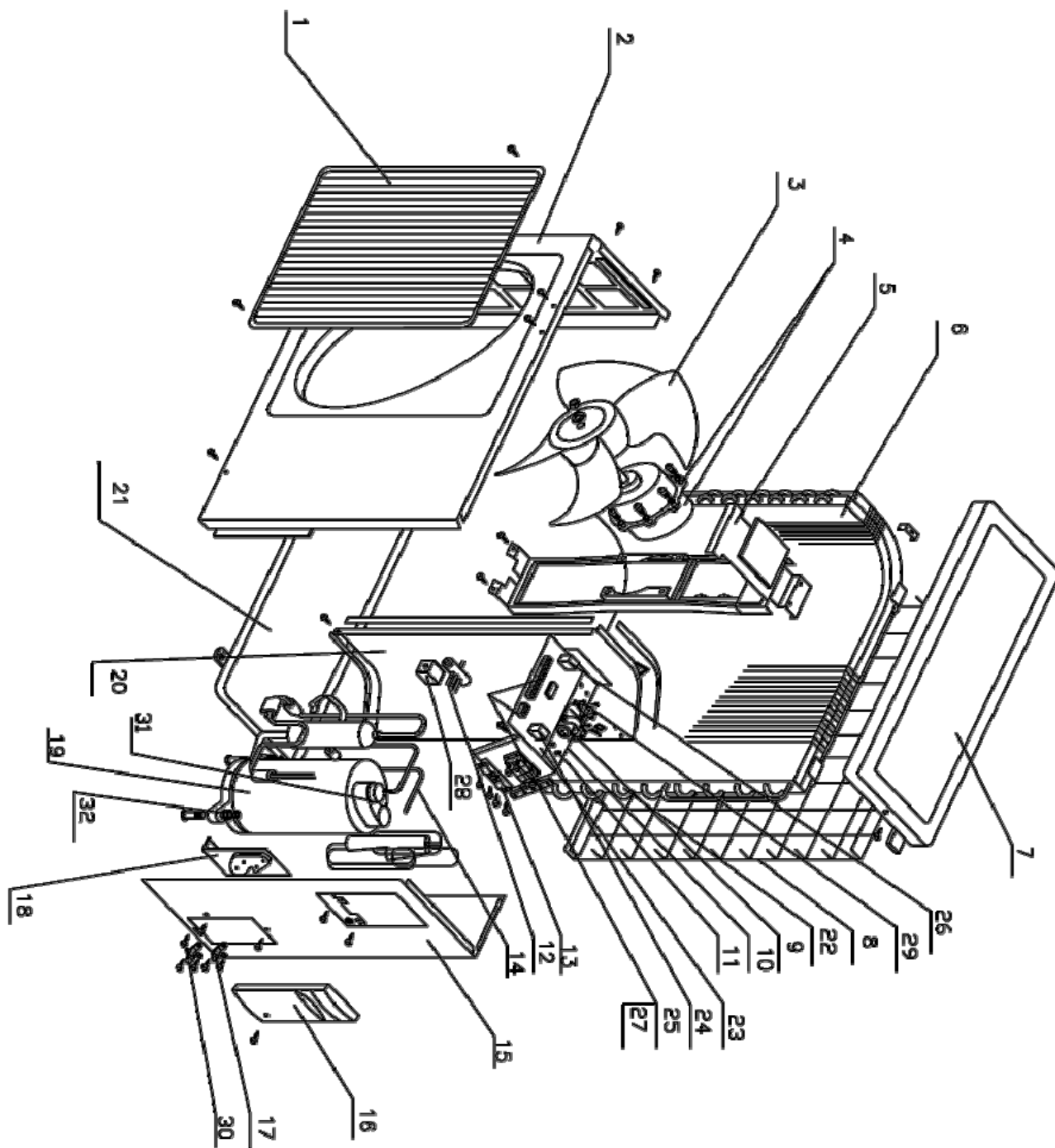
14.27 Exploded view of Indoor unit: CAF030



14.28 Spare part list of Indoor Unit CAF030

| NO. | Part Code | Part Description | qty |
|-----|------------|------------------------------|-----|
| 1 | 01382715 | Tube Exit Plate Assy | 1 |
| 2 | 01332701 | Major Mounting Plate | 4 |
| 3 | 01302718 | Front Side Plate | 1 |
| 4 | 01302715 | Left Side Plate Assy | 1 |
| 5 | 01222701 | Base Plate Assy | 1 |
| 6 | 01302714 | Rear Side Plate | 1 |
| 7 | 01702701 | Motor Mounting Rack | 1 |
| 8 | 15709404 | Fan Motor | 1 |
| 9 | 10312705 | Centrifugal Fan | 1 |
| 10 | 01074042 | Connection Sheet Assy | |
| 11 | 390001921G | Tube Sensor | 1 |
| 12 | 01029415 | Evaporator Assy | 1 |
| 13 | 20182701 | Water Tray Assy | 1 |
| 14 | 01412721 | Electric Box Base Plate | |
| 15 | 10372701 | Flow Guide Loop | 1 |
| 16 | 01399532 | Electric Box Assy | 1 |
| 17 | 42010258 | Terminal Board | 1 |
| 18 | 43110226 | Transformer | 1 |
| 19 | 20122054 | Electric Box Cover Sub-Assy1 | 1 |
| 20 | 390001911 | Ambient Temperature Sensor | 1 |
| 21 | 30510460 | Remote controller YX1F1 | 1 |
| 22 | 20122055 | Electric Box Cover Sub-Assy2 | 1 |
| 23 | 30227111 | Main PCB Z71351E | 1 |
| 24 | 33010010 | Capacitor CBB61 3.5kuF/450V | 1 |
| 25 | 05232702 | Drain Hose Assy | 1 |
| 26 | 01072703 | Evaporator of Fixed Mount | 2 |
| 27 | 10312701 | Fan Fixer | 1 |
| 28 | 43130324 | Water Pump | 1 |
| 29 | 45010201 | Water Level Switch | 1 |
| 30 | 05230026 | Drain Pipe for Water Pump | 1 |
| 31 | 01302716 | Right Side Plate | 1 |
| 32 | 01252713 | Pump Backup Cover Plate Assy | 1 |
| 33 | 30294219 | Display Board | 1 |

14.29 Exploded view of Outdoor unit: YIF009/012



14.30 Spare part list of Outdoor Unit YIF009

| NO. | Part Code | Part Description | qty |
|-----|-------------|-----------------------------|-----|
| 1 | 22413007 | Grille | 1 |
| 2 | 200020153 | Front Panel Sub-Assy | 1 |
| 3 | 10333413 | Axial-flow Fan | 1 |
| 4 | 15013067 | Fan Motor | 1 |
| 5 | 01703068 | Motor Support | 1 |
| 6 | 01125241 | Condenser Assy | 1 |
| 7 | 01253443 | Top Cover Plate | 1 |
| 8 | 01473014 | Rear Grill | 1 |
| 9 | 33010743 | Capacitor CBB65 | 1 |
| 10 | 01395761 | Electric Box Assy | 1 |
| 11 | 70410523 | Isolation Washer | 1 |
| 12 | 430004022 | 4-Way Valve | 1 |
| 13 | 71010103 | Fixed Clamp | 1 |
| 14 | 04635715 | discharge pipe | 1 |
| 15 | 0130200404 | Right Side Plate Assy | 1 |
| 16 | 26233433 | Big Handle | 1 |
| 17 | 07100003 | Cut-off Valve (1/4) | 1 |
| 18 | 01713041 | Valve Support | 1 |
| 19 | 00120145 | Compressor and Fittings | 1 |
| 20 | 01239052 | Clapboard | 1 |
| 21 | 01195701P | Chassis sub-assy | 1 |
| 22 | 3900012128G | Tube sensor | 1 |
| 23 | 30224058 | Main Board | 1 |
| 24 | 43110233 | Transformer 48X26G | 1 |
| 25 | 42011103 | Terminal Board 2-8 | 1 |
| 26 | none | AC Contactor | 0 |
| 27 | 420111531 | Connection Board | 1 |
| 28 | 430004002 | 4-way Valve Accessory | 1 |
| 29 | 33010026 | Capacitor CBB61 2.5uF/450V | 1 |
| 30 | 07100005 | Cut-off Valve (3/8) | 1 |
| 31 | 00180084 | Overload Protector | 1 |
| 32 | 76710205 | Compressor Gasket 4CYC00188 | 3 |
| | 06123401 | Drainage Connector | 1 |
| | 420101851 | Terminal Board | 1 |

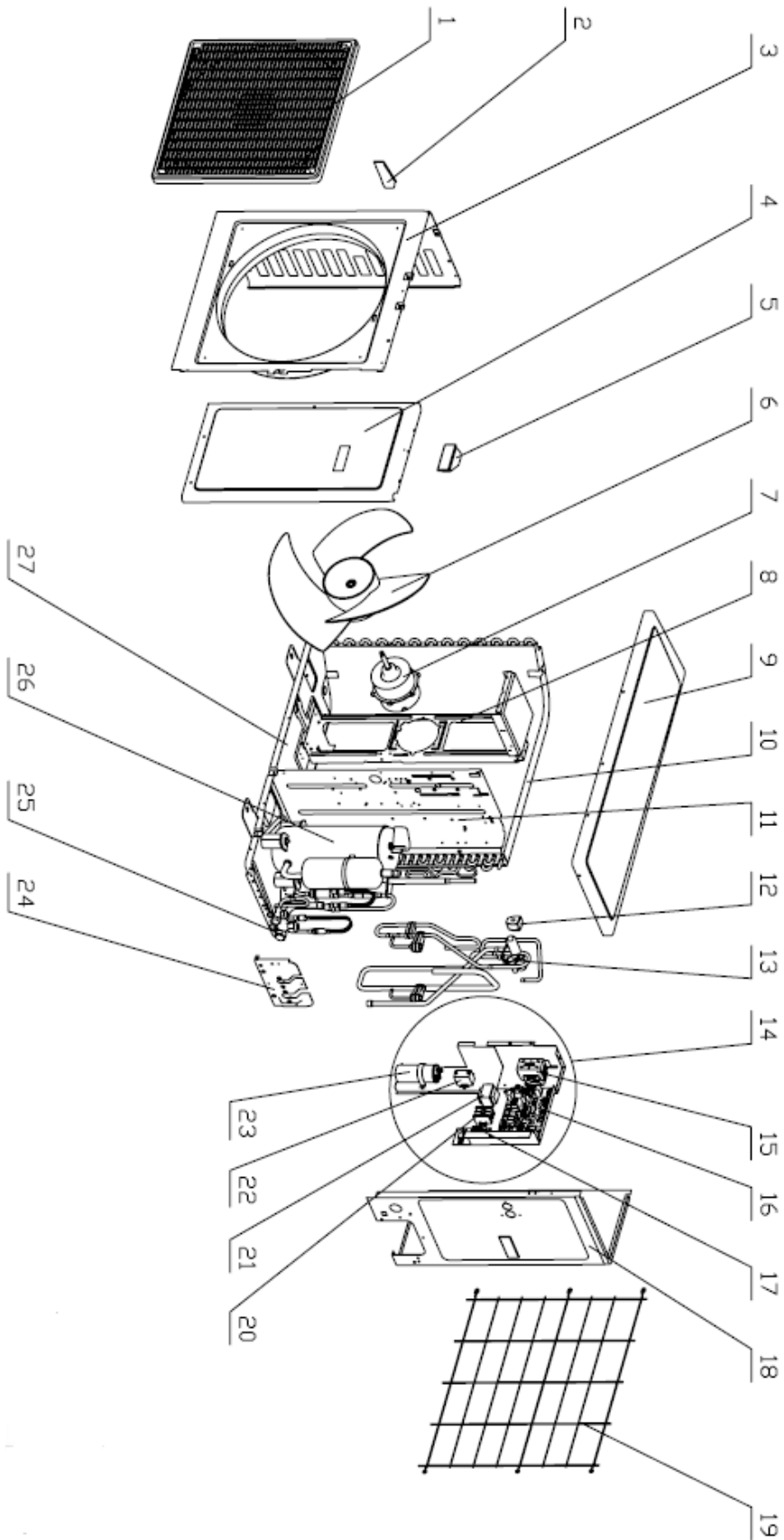
14.31 Spare part list of Outdoor Unit YIF012

| NO. | Part Code | Part Description | qty |
|-----|-------------|-----------------------------|-----|
| 1 | 22413433 | Front grill | 1 |
| 2 | 200020153 | Front Panel Sub-Assy | 1 |
| 3 | 10333004 | Axial Flow Fan | 1 |
| 4 | 15013071 | Motor FW48G | 1 |
| 5 | 01703086 | motor support | 1 |
| 6 | 01125244 | Condenser Assy | 1 |
| 7 | 01253443 | Top Cover Plate | 1 |
| 8 | 01473014 | Rear Grill | 1 |
| 9 | 33010743 | Capacitor CBB65 | 1 |
| 10 | 01395763 | Electric Box Assy | 1 |
| 11 | 70410523 | Isolation Washer | 1 |
| 12 | 430004032 | 4-way Valve | 1 |
| 13 | 71010103 | Fixed Clamp | 1 |
| 14 | 04635715 | discharge pipe | 1 |
| 15 | 0130200404 | Right Side Plate Assy | 1 |
| 16 | 26233433 | Big Handle | 1 |
| 17 | 07100003 | Cut-off Valve (1/4) | 1 |
| 18 | 01713041 | Valve Support | 1 |
| 19 | 00120139 | Compressor and Fittings | 1 |
| 20 | 01239052 | Clapboard | 1 |
| 21 | 01195702P | Metal Base | 1 |
| 22 | 3900012128G | Tube sensor | 1 |
| 23 | 30224058 | Main Board | 1 |
| 24 | 43110233 | Transformer 48X26G | 1 |
| 25 | 42011103 | Terminal Board 2-8 | 1 |
| 26 | none | AC Contactor | 0 |
| 27 | 420111531 | Connection Board | 1 |
| 28 | 430004002 | 4-way Valve Accessory | 1 |
| 29 | 33010027 | Capacitor CBB611A(3uF/450V) | 1 |
| 30 | 07100006 | Cut-off Valve | 1 |
| 31 | 00180255 | Overload Protector | 1 |
| 32 | 76710272 | Compressor Gasket | 3 |
| | 420101851 | Terminal Board | 1 |
| | 06123401 | Drainage Connector | 1 |

14.32 Spare part list of Outdoor Unit YIF018

| NO. | Part Code | Part Description | qty |
|-----|-------------|-----------------------------|-----|
| 1 | 22413007 | Grille | 1 |
| 2 | 01533012 | Front Panel | 1 |
| 3 | 10333413 | Axial-flow Fan | 1 |
| 4 | 15013071 | Motor FW48G | 1 |
| 5 | 01703391 | Motor Support | 1 |
| 6 | 01125252 | Condenser Assy | 1 |
| 7 | 01253443 | Top Cover Plate | 1 |
| 8 | 01473014 | Rear Grill | 1 |
| 9 | 33000039 | Capacitor | 1 |
| 10 | 01395758 | Electric Box Assy | 1 |
| 11 | 70410523 | Isolation Washer | 1 |
| 12 | 430004032 | 4-way Valve | 1 |
| 13 | 71010103 | Fixed Clamp | 1 |
| 14 | 04635331 | discharge pipe | 1 |
| 15 | 0130200401 | Right Side Plate Assy | 1 |
| 16 | 26233433 | Big Handle | 1 |
| 17 | 07100004 | Cut-off Valve | 1 |
| 18 | 01713041 | Valve Support | 1 |
| 19 | 00103702 | Compressor and Fittings | 1 |
| 20 | 01245244 | Clapboard | 1 |
| 21 | 01203144 | Underpan Sub-Assy | 1 |
| 22 | 3900012128G | Tube sensor | 1 |
| 23 | 30224058 | Main Board | 1 |
| 24 | 43110233 | Transformer 48X26G | 1 |
| 25 | 42011103 | Terminal Board 2-8 | 1 |
| 26 | none | AC Contactor | 0 |
| 27 | 420111531 | Connection Board | 1 |
| 28 | 430004002 | 4-way Valve Accessory | 1 |
| 29 | 33010027 | Capacitor CBB611A(3uF/450V) | 1 |
| 30 | 07100006 | Cut-off Valve | 1 |
| 31 | 00180157 | Overload Protector | 1 |
| 32 | 76710202 | Compressor Gasket 4CYC00008 | 3 |
| | 420101851 | Terminal Board | 1 |
| | 06123401 | Drainage Connector | 1 |

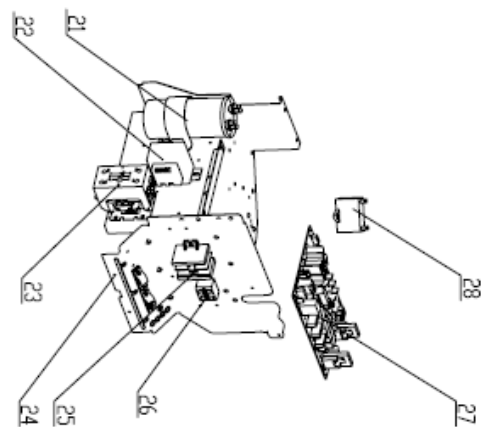
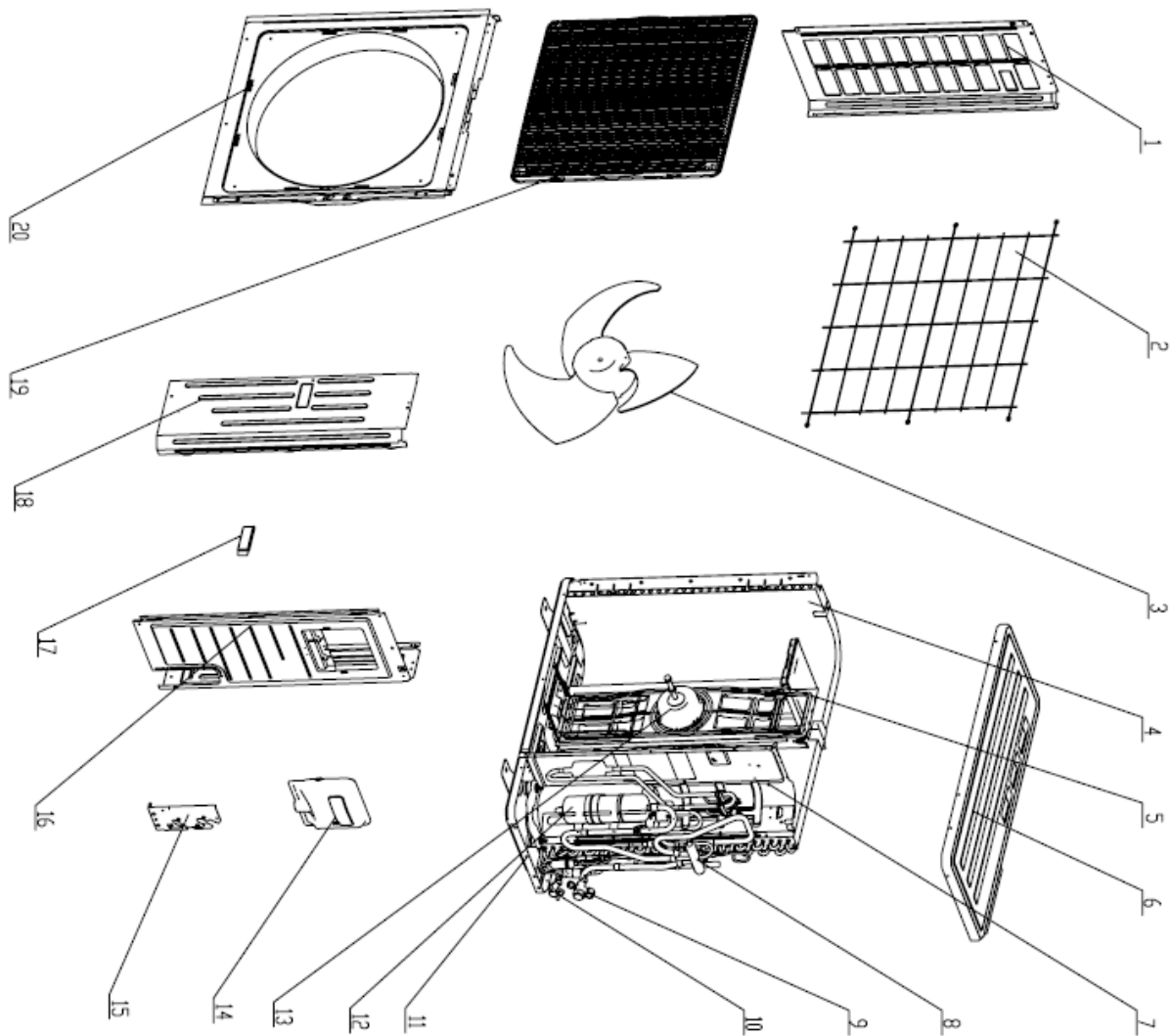
14.33 Exploded view of Outdoor unit: YIF024



14.34 Spare part list of Outdoor Unit YIF024

| NO. | Part Code | Part Description | qty |
|-----|-------------|----------------------------|-----|
| 1 | 22414102 | Panel Grille | 1 |
| 2 | 26235401 | Small Handle | 1 |
| 3 | 01433017P | Front Plate | 1 |
| 4 | 01303251P | Front Side Plate | 1 |
| 5 | 26235253 | Handle | 1 |
| 6 | 10335253 | Axial-flow Fan | 1 |
| 7 | 150154512 | Motor LW92H | 1 |
| 8 | 01705103 | Motor Support | 1 |
| 9 | 01255013P | Top Cover | 1 |
| 10 | 01125262 | Condenser Assy | 1 |
| 11 | 01233024 | Mid Clapboard Sub-Assy | 1 |
| 12 | 430004002 | 4-way Valve Accessory | 1 |
| 13 | 04145220 | 4-way Valve Assy | 1 |
| 14 | 01395744 | Electric Box Assy | 1 |
| 15 | 44010222 | Double Pole AC Contactor | 1 |
| 16 | 30224058 | Main Board | 1 |
| 17 | 420111451 | Terminal Board | 1 |
| 18 | 01303115 | Rear Side Plate Sub-Assy | 1 |
| 19 | 01473028 | Mesh Enclosure | 1 |
| 20 | 420101851 | Terminal Board | 1 |
| 21 | 43110233 | Transformer 48X26G | 1 |
| 22 | 33010013 | Capacitor CBB61 | 1 |
| 23 | 33000039 | Capacitor | 1 |
| 24 | 01715001 | Valve Support Sub-Assy | 1 |
| 25 | 07103030 | Gas Valve Sub-Assy | 1 |
| 26 | 00103709 | Compressor ATH290CV-C9LU | 1 |
| 27 | 01205201 | Underpan Sub-Assy | 1 |
| | 06813401 | Choke Plug | 3 |
| | 06123401 | Drainage Connector | 1 |
| | 430004032 | 4-way Valve | 1 |
| | 46020007 | Low Pressure Switch | 1 |
| | 460200061 | Pressure Switch | 1 |
| | 00180253 | Overload Protector | 1 |
| | 76710238 | Compressor Gasket | 3 |
| | 01703027 | Motor Support | 1 |
| | 04324001 | One-way Valve | 1 |
| | 01173021 | Condenser support plate | 1 |
| | 07130209 | Cut-off Valve | 1 |
| | 42011103 | Terminal Board 2-8 | 1 |
| | 3900012121G | Temperature Sensor | 1 |
| | 765152121 | Electric Heating Strip | 1 |
| | 01413047 | Electric Box Cover Plate | 1 |
| | 3900012132G | Ambient Temperature Sensor | 1 |

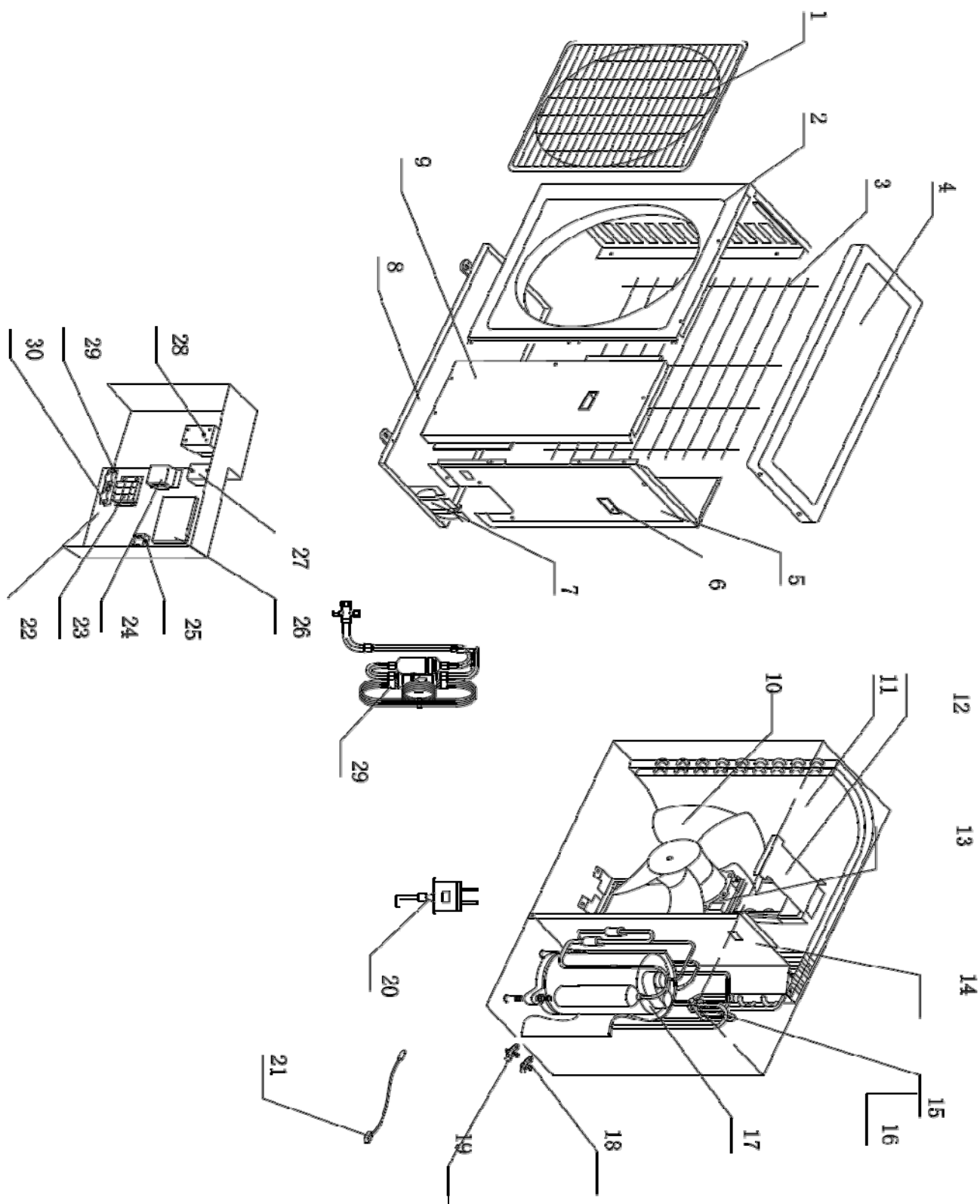
14.35 Exploded view of Outdoor unit: YIF030



14.36 Spare part list of Outdoor Unit YIF030

| NO. | Part Code | Part Description | qty |
|-----|------------|--|-----|
| 1 | 01305043P | Left Side Plate | 1 |
| 2 | 01475008 | Rear Grill | 1 |
| 3 | 10335005 | Axial Flow Fan | 1 |
| 4 | 01125339 | Condenser Assy | 1 |
| 5 | 01705016 | Motor Support Sub-Assy | 1 |
| 6 | 01255007 | Top Cover Sub-Assy | 1 |
| 7 | 01235061 | Clapboard | 1 |
| 8 | 04145321 | 4-way Valve Assy | 1 |
| 9 | 07133157 | Cut-off Valve | 1 |
| 10 | 071302391 | Cut-off Valve | 1 |
| 11 | 01195236P | Chassis Sub-assy | 1 |
| 12 | 00103105 | Compressor | 1 |
| 13 | 1501506207 | Fan Motor | 1 |
| 14 | 26235001 | Big Handle | 1 |
| 15 | 01715012P | Valve Support Sub-Assy | 1 |
| 16 | 01305044P | Right Side Plate | 1 |
| 17 | 26235401 | Small Handle | 2 |
| 18 | 01305072P | Front Side Plate | 1 |
| 19 | 22415003 | Front Grill | 1 |
| 20 | 01435004P | Cabinet | 1 |
| 21 | 33000039 | Capacitor | 1 |
| 22 | 43110233 | Transformer 48X26G | 1 |
| 23 | 44010222 | Double Pole AC Contactor | 1 |
| 24 | 01395631 | Electric Box Assy | 1 |
| 25 | 420111451 | Terminal Board | 1 |
| 26 | 420101851 | Terminal Board | 1 |
| 27 | 30224058 | Main Board | 1 |
| 28 | 33010009 | Capacitor CBB61 7uF/450V | 1 |
| | 06123401 | Drainage Connector | 1 |
| | 01175037 | Condenser support plate | 1 |
| | 42011147 | Terminal Board | 1 |
| | 00180270 | Overload Protector | 1 |
| | 76812206 | Compressor Gasket | 3 |
| | 02141375 | Capacitor Clamp | 1 |
| | 4300008201 | 4-way Valve | 1 |
| | 460200061 | Pressure Switch | 1 |
| | 46020007 | Low Pressure Switch | 1 |
| | 06813401 | Choke Plug | 3 |
| | 765152123 | electrical heater | 1 |
| | 390001921G | Tube Sensor | 1 |
| | 42010157 | Terminal | 2 |
| | 390002062G | Temperature Sensor | 1 |
| | 20113003 | Insulating Plate of Electric box Cover | 1 |
| | 430004002 | 4-way Valve Accessory | 1 |
| | 39000017G | Temperature Sensor | 1 |

14.37 Exploded view of Outdoor unit: YIF036



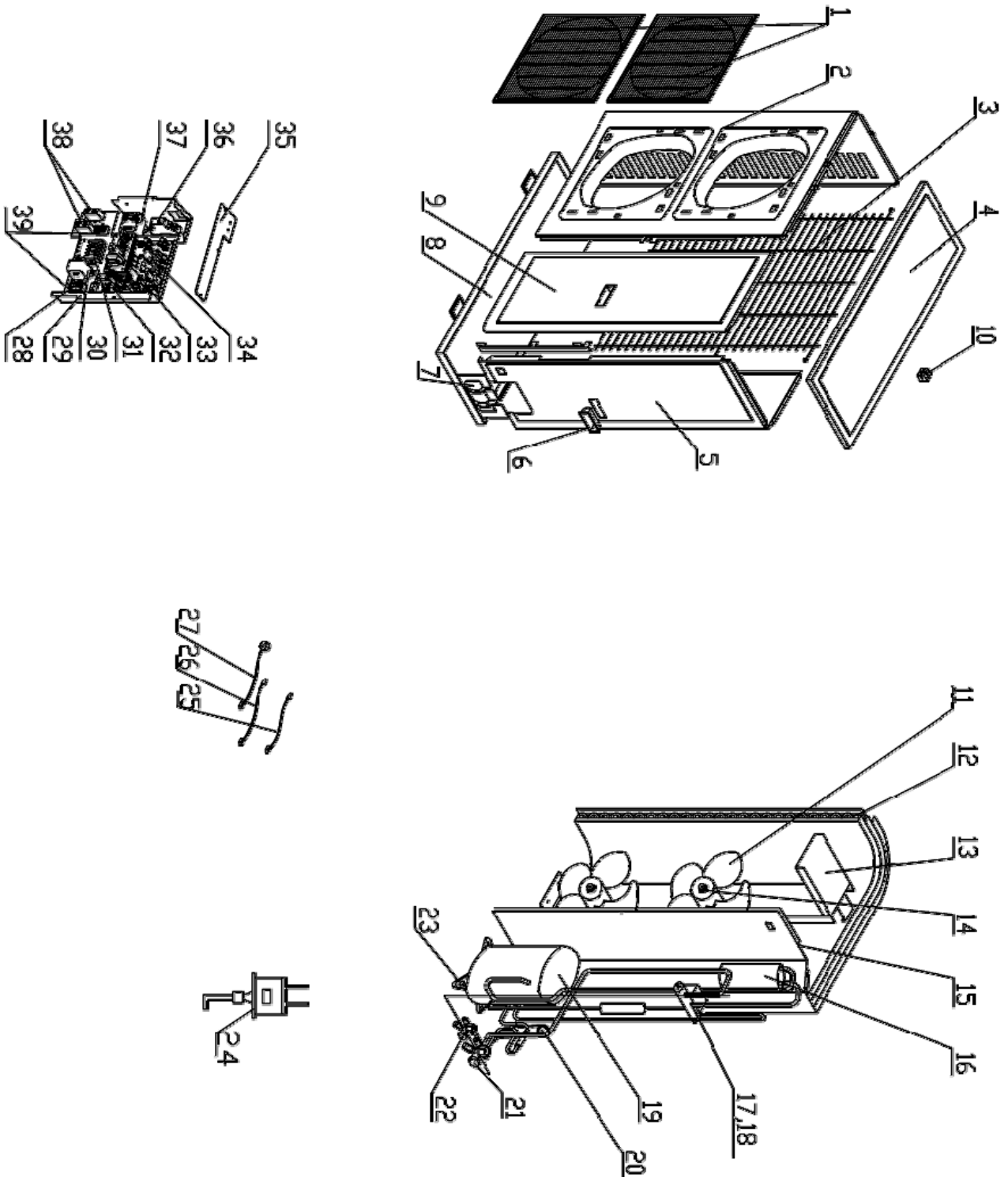
14.38 Spare part list of Outdoor Unit YIF036

| NO. | Part Code | Part Description | qty |
|-----|-------------|-----------------------------------|-----|
| 1 | 22265401 | Front Grill | 1 |
| 2 | 01435103P | Housing | 1 |
| 3 | 01475401 | Rear Grill | 1 |
| 4 | 01255012P | Top Cover | 1 |
| 5 | 01305402 | Rear Side Plate Sub-Assy | 1 |
| 6 | 26235253 | Handle | 2 |
| 7 | 01715402 | Valve Support Sub-Assy | 1 |
| 8 | 01205402 | Underpan Sub-Assy | 1 |
| 9 | 01305406 | Front Side Plate Sub-Assy | 1 |
| 10 | 10335401 | Axial-flow Fan | 1 |
| 11 | 01125245 | Condenser Assy | 1 |
| 12 | 01705402 | Motor Support Sub-Assy | 1 |
| 13 | 150154011 | Motor LW92D | 1 |
| 14 | 01235403 | Clapboard Sub-Assy | 1 |
| 15 | 43000338 | 4-way Valve | 1 |
| 16 | 430004002 | 4-way Valve Accessory | 1 |
| 17 | 00205226 | Compressor | 1 |
| 18 | 07130212 | Cut-off Valve | 1 |
| 19 | 07130210 | Cut-off Valve | 1 |
| 20 | 460200061 | Pressure Switch | 1 |
| 21 | 3900012128G | Tube sensor | 1 |
| 22 | 01395757 | Electric Box Assy | 1 |
| 23 | 420101851 | Terminal Board | 1 |
| 24 | 4311023302 | Transformer | 1 |
| 25 | 420111451 | Terminal Board | 1 |
| 26 | 30224058 | Main Board | 1 |
| 27 | 33010013 | Capacitor CBB61 | 1 |
| 28 | 44010254 | AC Contactor | 1 |
| | 42011147 | Terminal Board | 1 |
| | 33000039 | Capacitor | 1 |
| | 39000017G | Temperature Sensor | 1 |
| | 26235401 | Small Handle | 1 |
| | 06123401 | Drainage Connector | 1 |
| | 46020007 | Low Pressure Switch | 1 |
| | 04675735 | Inhalation Tube Sub-Assy | 1 |
| | 07255403 | Vapor Liquid Separator Components | 1 |
| | 42020063 | Sensor Insert | 1 |
| | 06813401 | Choke Plug | 2 |
| | 76515404 | Electric Heater Band | 1 |
| | 76710209 | Compressor Gasket M-0101-DSB | 3 |
| | 01175402 | Condenser support assy | 1 |

14.39 Spare part list of Outdoor Unit YIF036T

| NO. | Part Code | Part Description | qty |
|-----|-------------|-----------------------------------|-----|
| 1 | 22265401 | Front Grill | 1 |
| 2 | 01435103P | Housing | 1 |
| 3 | 01475401 | Rear Grill | 1 |
| 4 | 01255012P | Top Cover | 1 |
| 5 | 01305402 | Rear Side Plate Sub-Assy | 1 |
| 6 | 26235253 | Handle | 2 |
| 7 | 01715402 | Valve Support Sub-Assy | 1 |
| 8 | 01205403 | Underpan Assy | 1 |
| 9 | 01305403 | Front Side Plate | 1 |
| 10 | 10335401 | Axial-flow Fan | 1 |
| 11 | 01125245 | Condenser Assy | 1 |
| 12 | 01705402 | Motor Support Sub-Assy | 1 |
| 13 | 150154011 | Motor LW92D | 1 |
| 14 | 01235403 | Clapboard Sub-Assy | 1 |
| 15 | 43000338 | 4-way Valve | 1 |
| 16 | 430004002 | 4-way Valve Accessory | 1 |
| 17 | 00129050 | Compressor and Fittings | 1 |
| 18 | 07130212 | Cut-off Valve | 1 |
| 19 | 07130210 | Cut-off Valve | 1 |
| 20 | 460200061 | Pressure Switch | 1 |
| 21 | 3900012128G | Tube sensor | 1 |
| 22 | 01395511 | Electric Box Assy | 1 |
| 23 | 420101851 | Terminal Board | 1 |
| 24 | 4311023302 | Transformer | 1 |
| 25 | 42011103 | Terminal Board 2-8 | 1 |
| 26 | 30224058 | Main Board | 1 |
| 27 | 33010013 | Capacitor CBB61 | 1 |
| 28 | 44010226 | AC Contactor | 1 |
| | 76515202 | Cable-Cross Loop | 2 |
| | 42011147 | Terminal Board | 1 |
| | 42011043 | Terminal Board | 1 |
| | 46020052 | Anti-phase Protector | 1 |
| | 07220016 | Bidirection Strainer | 1 |
| | 04675735 | Inhalation Tube Sub-Assy | 1 |
| | 76710209 | Compressor Gasket M-0101-DSB | 3 |
| | 76515404 | Electric Heater Band | 1 |
| | 3900012132G | Ambient Temperature Sensor | 1 |
| | 39000017G | Temperature Sensor | 1 |
| | 42010157 | Terminal | 2 |
| | 01175402 | Condenser support assy | 1 |
| | 06813401 | Choke Plug | 2 |
| | 07255403 | Vapor Liquid Separator Components | 1 |
| | 01305406 | Front Side Plate Sub-Assy | 1 |
| | 26235401 | Small Handle | 1 |
| | 06123401 | Drainage Connector | 1 |
| | 46020115 | Over Current Protector | 1 |
| | 05212423 | Tube Sensor Bushing | 1 |
| | 49010252 | Radiator | 1 |
| | 46020007 | Low Pressure Switch | 1 |

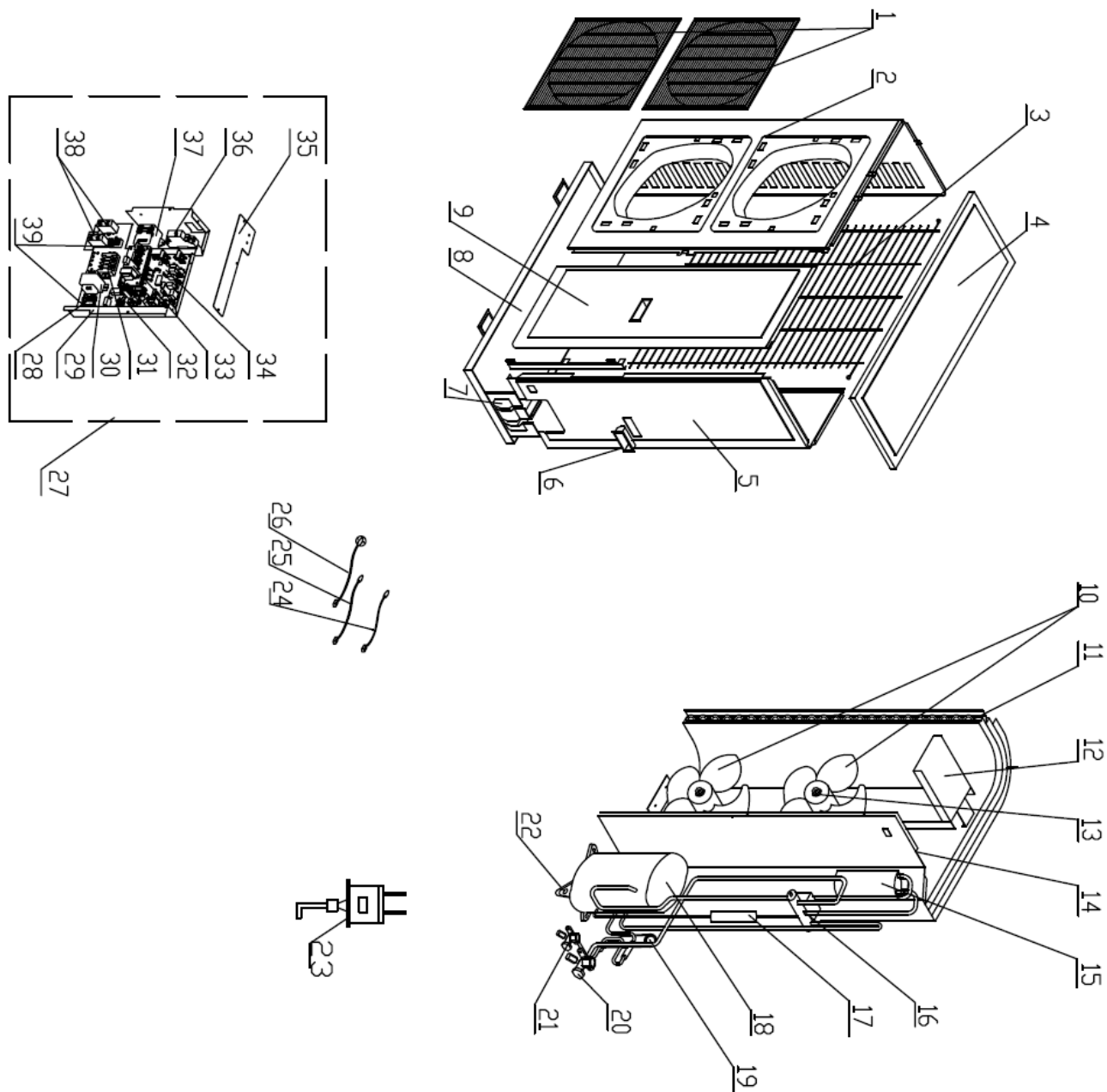
14.40 Exploded view of Outdoor unit: YIF042



14.41 Spare part list of Outdoor Unit YIF042

| NO. | Part Code | Part Description | qty |
|-----|-------------|-------------------------------|-----|
| 1 | 22414102 | Panel Grille | 2 |
| 2 | 01435436 | Front Plate | 1 |
| 3 | 01475432 | Rear Grill | 1 |
| 4 | 01255013P | Top Cover | 1 |
| 5 | 01303712 | Rear Side Plate Sub-Assy | 1 |
| 6 | 26235253 | Handle | 3 |
| 7 | 01715001 | Valve Support Sub-Assy | 1 |
| 8 | 01205433 | Underpan Sub-Assy | 1 |
| 9 | 01305430 | Front Side Plate Sub-Assy | 1 |
| 10 | 10338731 | Axial Flow Fan ϕ 472X165 | 2 |
| 11 | 01125246 | Condenser Assy | 1 |
| 12 | 01705433 | Motor Support Sub-Assy | 1 |
| 13 | 15013110 | Fan Motor | 2 |
| 14 | 01235440 | Clapboard Sub-Assy | 1 |
| 15 | 07225018 | Gas-liquid Separator Sub-Assy | 1 |
| 16 | 43000338 | 4-way Valve | 1 |
| 17 | 04145228 | 4-way Valve Sub-Assy | 1 |
| 18 | 00129051 | Compressor and Fittings | 1 |
| 21 | 07130212 | Cut-off Valve | 1 |
| 22 | 76710209 | Compressor Gasket M-0101-DSB | 3 |
| 23 | 460200061 | Pressure Switch | 1 |
| 24 | 3900012129G | Discharge sensor | 1 |
| 25 | 3900012121G | Temperature Sensor | 1 |
| 26 | 39000285 | Temperature Sensor | 1 |
| 27 | 01395748 | Electric Box Assy | 1 |
| 28 | 420101851 | Terminal Board | 1 |
| 30 | 43110171 | Transformer | 1 |
| 31 | 42011043 | Terminal Board | 1 |
| 33 | 46020112 | Over Current Protector | 1 |
| 34 | 30224058 | Main Board | 1 |
| 36 | 44010226 | AC Contactor | 1 |
| 37 | 46020052 | Anti-phase Protector | 1 |
| 38 | 33010010 | Capacitor CBB61 3.5kuF/450V | 2 |
| 39 | 42011103 | Terminal Board 2-8 | 2 |
| | 06123401 | Drainage Connector | 1 |
| | 06813401 | Choke Plug | 3 |
| | 43110242 | Power Transformer | 1 |
| | 46020007 | Low Pressure Switch | 1 |
| | 430004002 | 4-way Valve Accessory | 1 |
| | 071302392 | "Valve 1/2"" | 1 |
| | 01895203 | Condenser support sub-assy | 1 |
| | 04675319 | Inhalation Tube Sub-Assy | 1 |
| | 76515404 | Electric Heater Band | 1 |

14.42 Exploded view of Outdoor unit: YIF060



14.43 Spare part list of Outdoor Unit YIF060

| NO. | Part Code | Part Description | qty |
|-----|-------------|------------------------------|-----|
| 1 | 22414102 | Panel Grille | 2 |
| 2 | 01435436 | Front Plate | 1 |
| 3 | 01475432 | Rear Grill | 1 |
| 4 | 01255472 | Top Cover | 1 |
| 5 | 01303712 | Rear Side Plate Sub-Assy | 1 |
| 6 | 26235253 | Handle | 3 |
| 7 | 01715001 | Valve Support Sub-Assy | 1 |
| 8 | 01205472 | Underpan Sub-Assy | 1 |
| 9 | 01305431 | Front Side Plate | 1 |
| 10 | 10335253 | Axial-flow Fan | 2 |
| 11 | 01125292 | Condenser Assy | 1 |
| 12 | 01705471 | Motor Support Sub-Assy | 1 |
| 13 | 15701108 | Motor LW92R | 2 |
| 14 | 01235473 | Mid Clapboard Sub-Assy | 1 |
| 15 | 07225016 | Gas-liquid Separator Assy | 1 |
| 16 | 43000338 | 4-way Valve | 1 |
| 17 | 04145277 | 4-way Valve Sub-Assy | 1 |
| 18 | 00129052 | Compressor and Fittings | 1 |
| 21 | 07130212 | Cut-off Valve | 1 |
| 22 | 76710209 | Compressor Gasket M-0101-DSB | 3 |
| 23 | 460200061 | Pressure Switch | 1 |
| 24 | 3900012121G | Temperature Sensor | 1 |
| 25 | 3900012129G | Discharge sensor | 1 |
| 26 | 39000285 | Temperature Sensor | 1 |
| 27 | 01395746 | Electric Box Assy | 1 |
| 28 | 420101851 | Terminal Board | 1 |
| 30 | 43110171 | Transformer | 1 |
| 31 | 42011043 | Terminal Board | 1 |
| 33 | 46020103 | Over Current Protector | 1 |
| 34 | 30224058 | Main Board | 1 |
| 36 | 44010213 | AC Contactor | 1 |
| 37 | 46020052 | Anti-phase Protector | 1 |
| 38 | 33010037 | Capacitor | 2 |
| 39 | 42011103 | Terminal Board 2-8 | 2 |
| | 06123401 | Drainage Connector | 1 |
| | 49010252 | Radiator | 1 |
| | 06813401 | Choke Plug | 3 |
| | 42010157 | Terminal | 2 |
| | 43110242 | Power Transformer | 1 |
| | 036390664 | Inhalation Tube Sub-Assy | 1 |
| | 430004002 | 4-way Valve Accessory | 1 |
| | 07130210 | Cut-off Valve | 1 |
| | 49010104 | Magnetic Ring | 1 |
| | 02145435 | Liquid Accumulator Clamp | 1 |
| | 46020007 | Low Pressure Switch | 1 |
| | 76515404 | Electric Heater Band | 1 |

APPENDIX