R32 Inverter Heat Pump

Green Refrigerant / Smart Home

-content-

R32

Why choose R32

European Union' Requirement

A2L

Low Flammability Index

Low GWP

(Global Warming Potencial

0

Ozone Layer Depletion

100%

Pure HFC

CO^2 Emissions

2023

680

R410A   R32
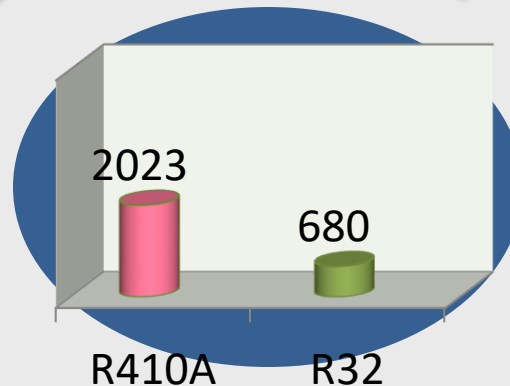
Why choose Palm R32

Palm COP 4.87 by EN14511

A+++ energy class by EN14825

Save energy, Protect our earth and Reduce emission.

Character

Heating, cooling , DHW, **3 in 1**

Monobloc and **split** type available

WIFI Android control.

Inverter available.

Character

Heating, cooling , DHW, **3 in 1**

Indoor unit
— Summer Cooling
— Winter Heating
— Domestic Hot Water

Water Tank

Outdoor unit

R32

2 Character

WIFI Mobile remote cloud control.

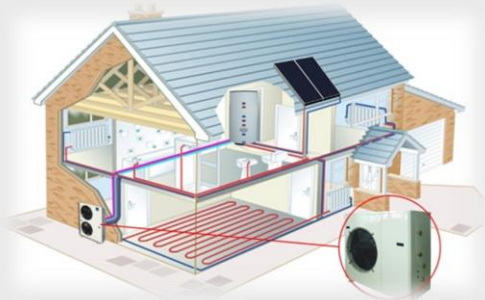# Character

Weekly timer, 8 setting points.

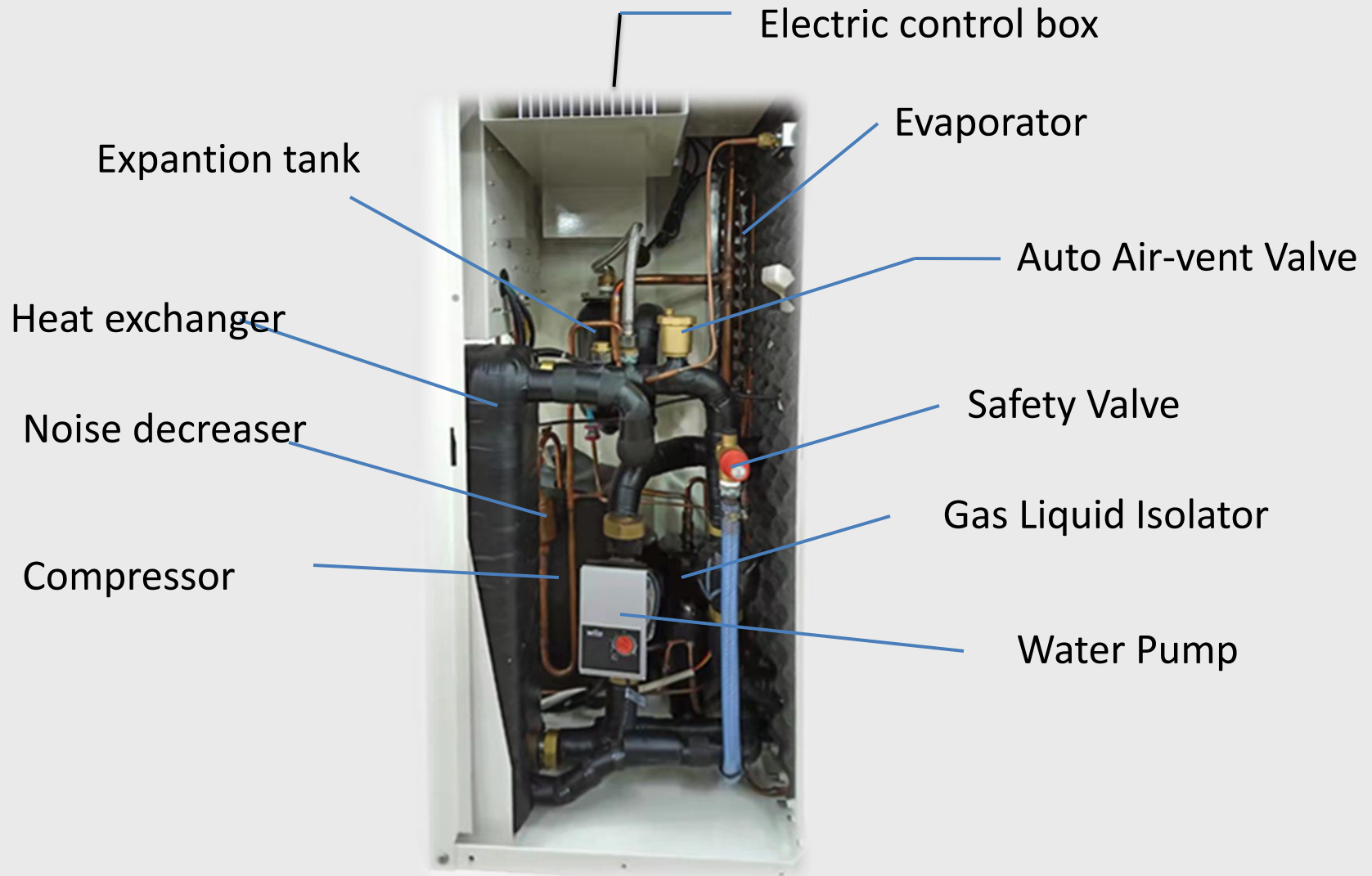-----Make your home more comfortable and energy saving.

Second main switch

----- Control the unit from room thermostat
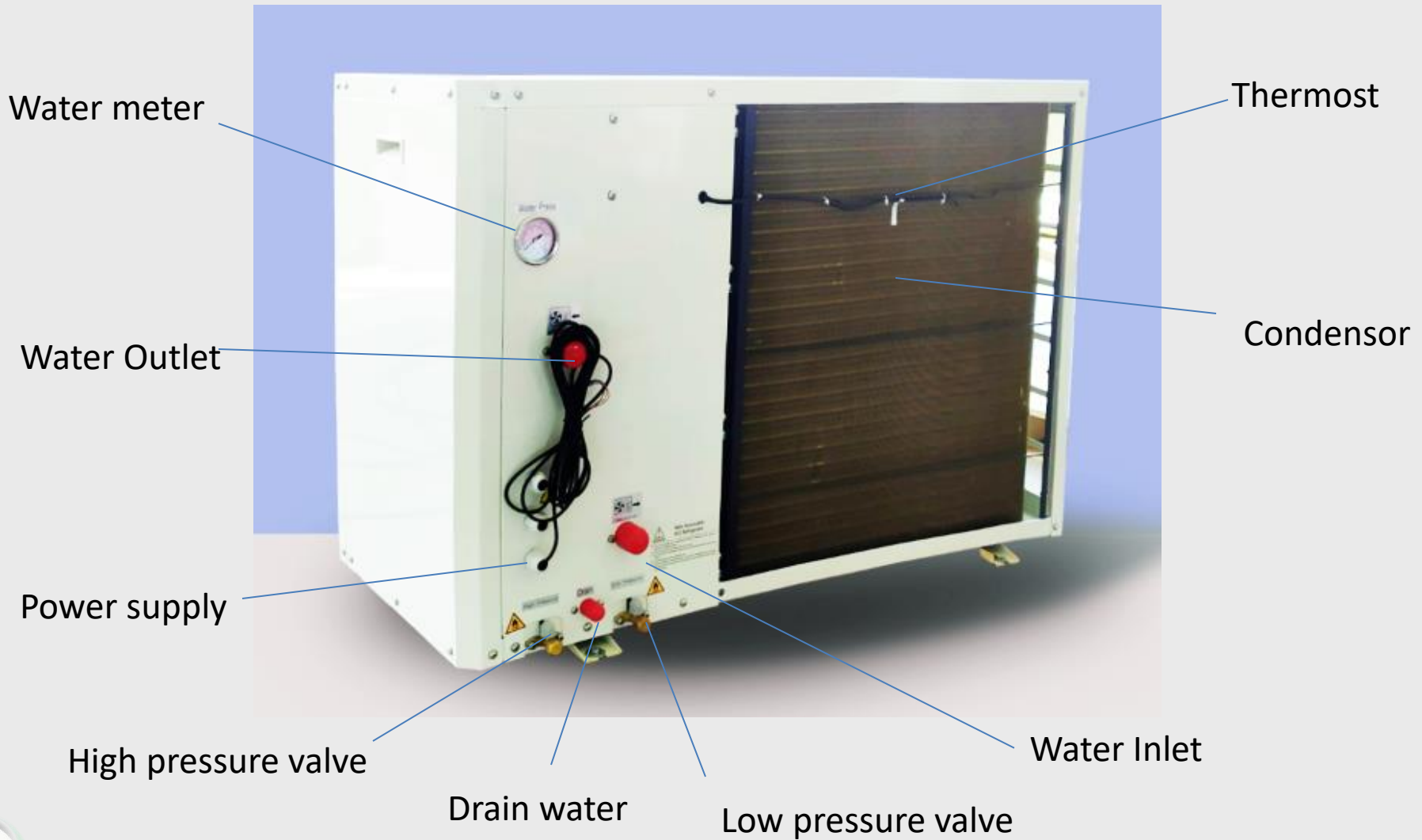
Compatible with different devices

-----Floor heating, radiator, fan coil...

R32

Key component

Electric control box

Evaporator

Expantion tank

Auto Air-vent Valve

Heat exchanger

Noise decreaser

Safety Valve

Gas Liquid Isolator

Compressor

Water Pump

R32

Key Component

Water meter

Water Outlet

Power supply

High pressure valve

Drain water

Low pressure valve

Thermost

Condensor

Water Inlet

R32

Key component -Compressor

Compressor

Mitsubishi Twin Rotary Compressor for R32

--World Famous brand DC inverter compressor, ensure stable heating capacity Even in -20°C ambient
-- It is more reliable in system matching and quiet in operation

EEV(electronic expansion valve)

Janpanese Saginomiya

Wider working temperature range, faster and more accurate refrigerant flow control

Permanent magnet motor
Coil
Valve body
Needle valve
Inlet (B*)
Outlet (A*)
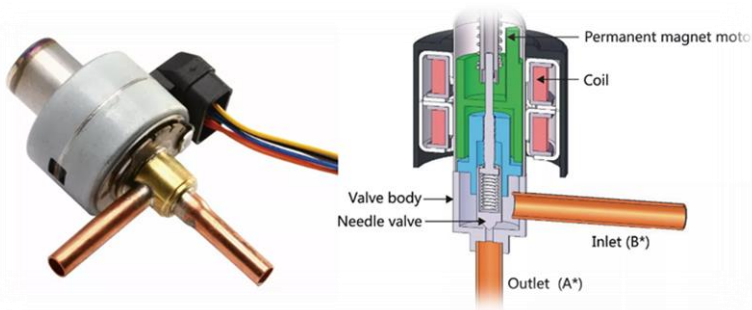
4-way valve

Heat and defrost

R32

3 Key component -Controller

Touch screen

485/IC

5 Languages

Friendly UI

R32

Products Series

16K,19K

12K

6K,9K

R32

Applications

World advanced auto defrost technology to ensure well working in cold weather with operation range from -20ºC to 52ºC for heating.
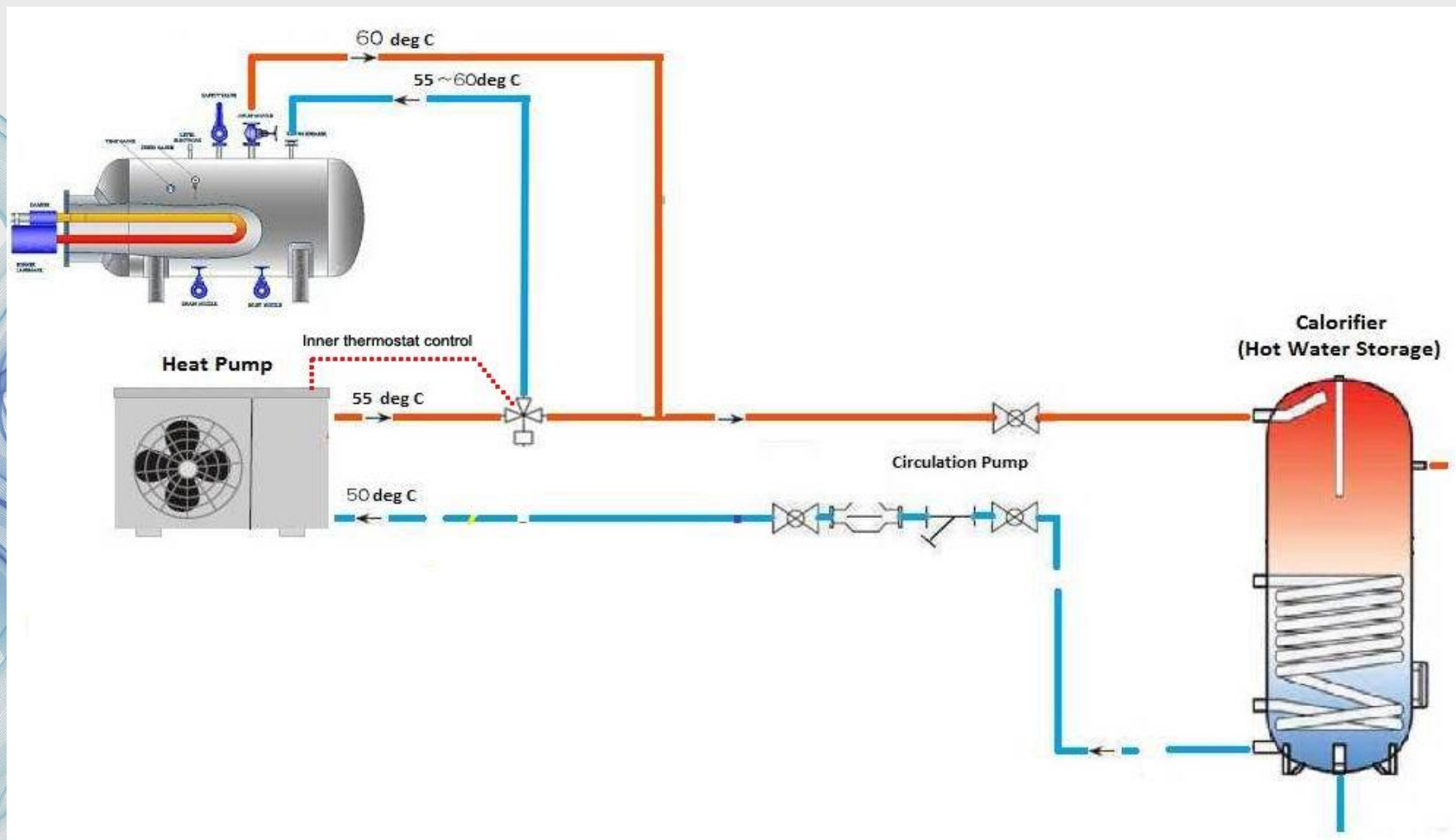

Outdoor air temperature range			
	Cooling	Heating	Domestic Hot Water
Maximum	52	30	43
Minimum	15	-20	-20

Leaving water temperature range			
	Cooling	Heating	Domestic Hot Water
Maximum	18	60	60
Minimum	5	30	30

Secondary heat source auto switching function with inner thermostat
enable Palm AEO heat pump to Swift automatically between heat pump and backup heat sources
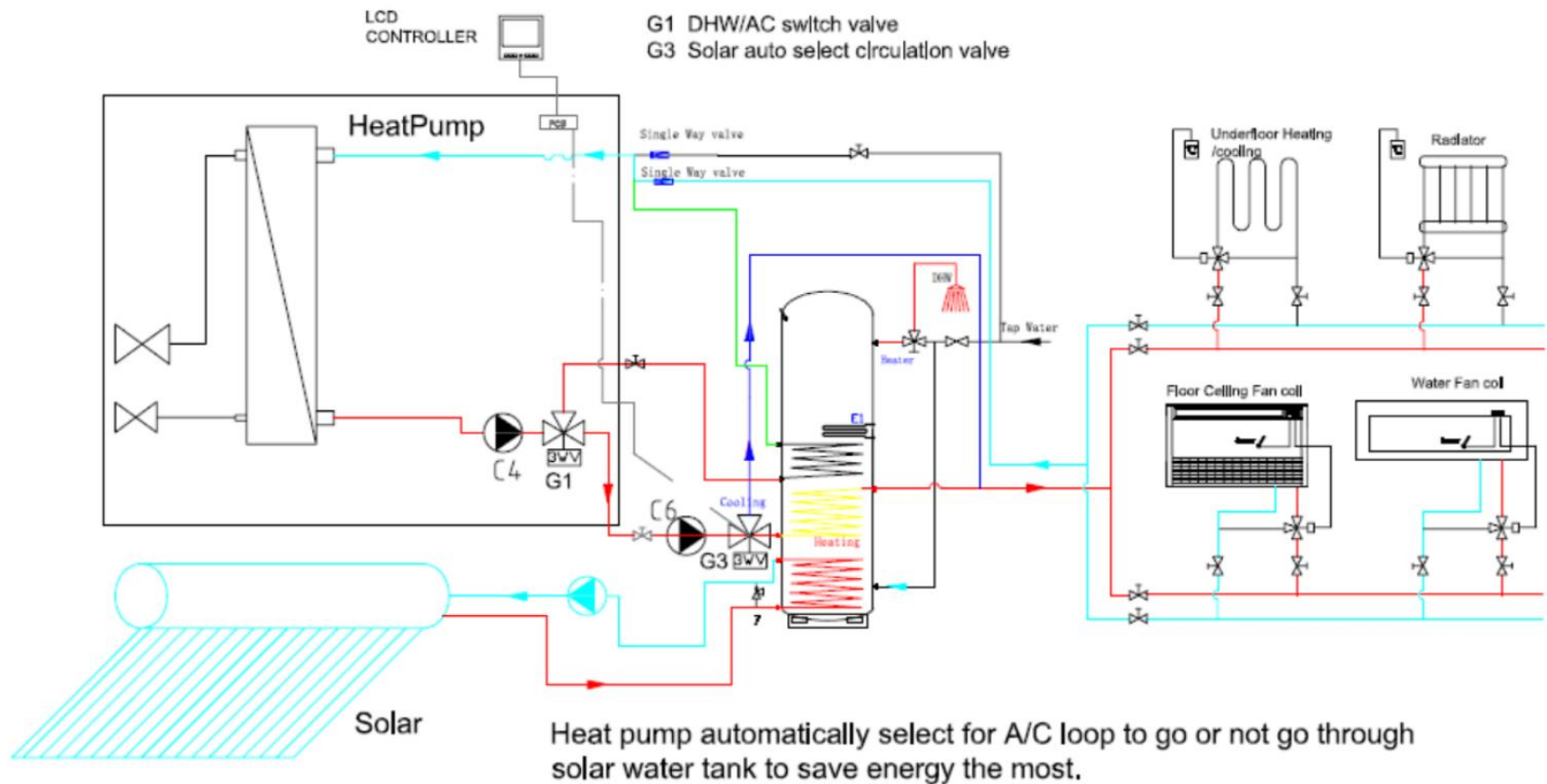
Applications

Application for heating/cooling + DHW in one solution.
With buffer and boiler connection
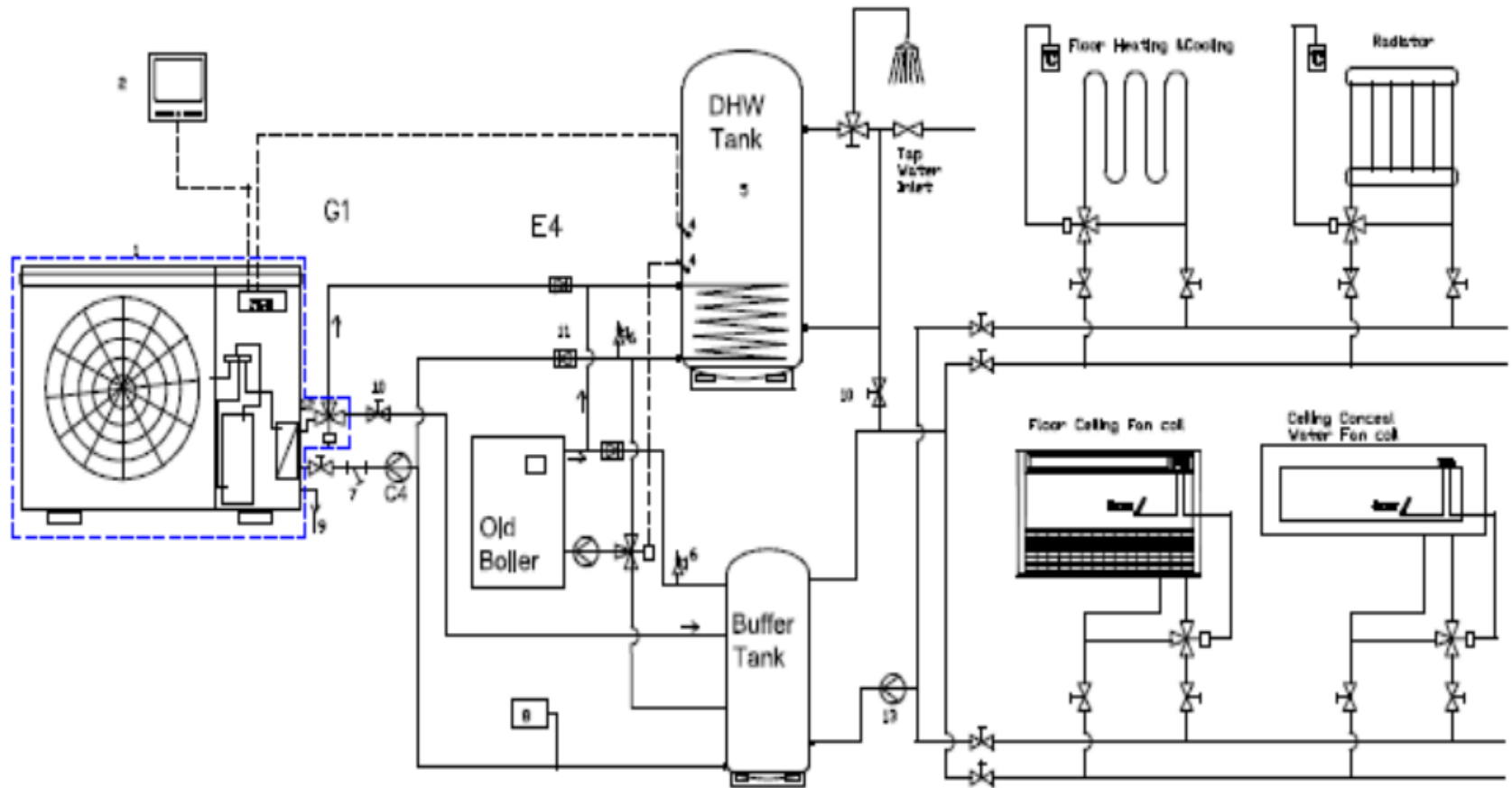
Application with solar

Multifunctional heat pump application for solar assist for room heating and DHW

LCD CONTROLLER

G1 DHW/AC switch valve
G3 Solar auto select circulation valve

HeatPump

Single Way valve
Single Way valve

Underfloor Heating /cooling

Radiator

DHW

Tap Water

Heater

C4

3WV
G1

C6

Cooling

Heating

Floor Ceiling Fan coil

Water Fan coil

G3 3WV

Solar

Heat pump automatically select for A/C loop to go or not go through solar water tank to save energy the most.

R32

About us-

China Palm
Energy palm
AC& Equipment Co.Ltd

High efficiency team

ISO9001,5S management system

European,
American
Australia

Big Market

20Years

Established in 2006, more than 20years experiences

With original European heat pump technology

Joint Venture

About us—The tech

AC/DC inverter

Advanced **energy-saving heat pumps multifunctional and central heating cooling** products
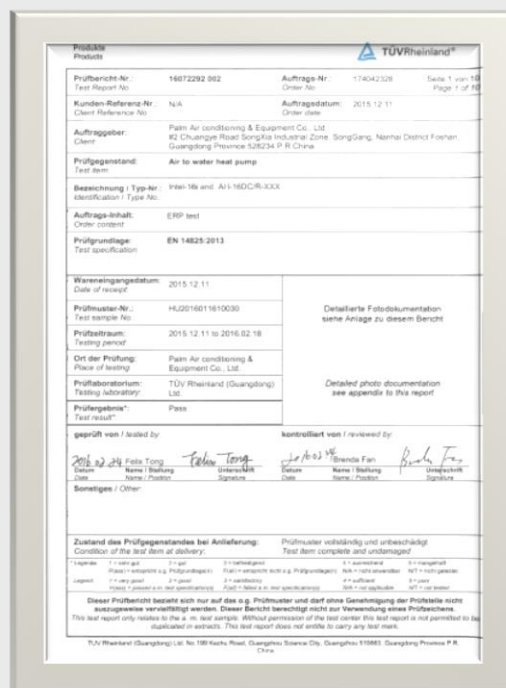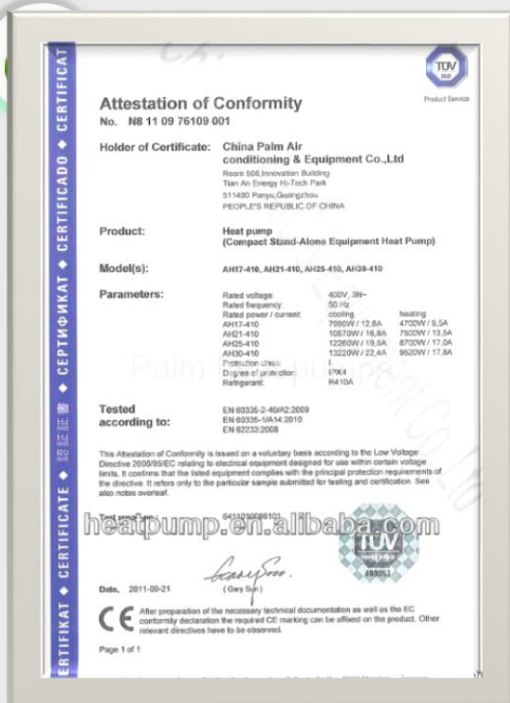
R410A/R32/R290

we are developing the tech of R290 refrigerant.

R32 R290

Air, Solar, water, ground

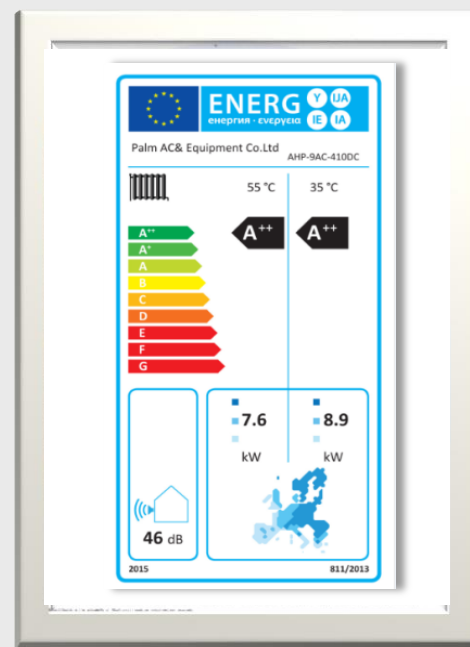Different resources can be used, related products have been soled

About us

TUV EN14825, EN14511, EN813, UL, US's AHRI

TUV EN14825, EN14511, EN813, UL, US's AHRI

6 About us

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