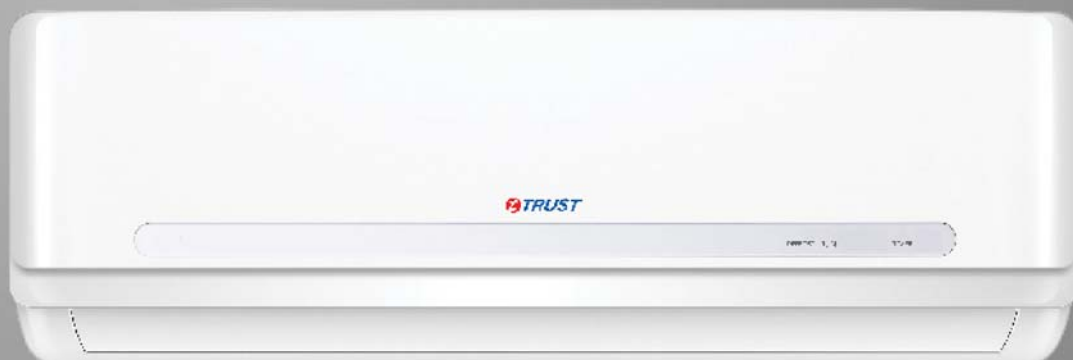




## Wall Mounted Split TMSAB Series



---

TRUST AIR CONDITIONING EQUIPMENT CO.  
Prepared By: Engineering & R & D Department.

Shiraz- AUG 2015

<b>1. Precaution .....</b>	<b>2</b>
1.1 Safety Precaution .....	2
1.2 Warning.....	2
<b>2. Function.....</b>	<b>5</b>
<b>3. Dimension .....</b>	<b>6</b>
3.1 Indoor Unit .....	6
3.2 Outdoor Unit .....	9
<b>4. Refrigerant Cycle Diagram .....</b>	<b>11</b>

## 1. Precaution

### 1.1 Safety Precaution

- To prevent injury to the user or other people and property damage, the following instructions must be followed.
- Incorrect operation due to ignoring instruction will cause harm or damage.
- Before service the unit, be sure to read this service manual at first.

### 1.2 Warning

#### ➤ Installation

- Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

There is risk of fire or electric shock.

- For electrical work, contact the dealer, seller, a qualified electrician, or an authorized service center.

Do not disassemble or repair the product, there is risk of fire or electric shock.

- Always ground the product.

There is risk of fire or electric shock.

- Install the panel and the cover of control box securely.

There is risk of fire or electric shock.

- Always install a dedicated circuit and breaker.

Improper wiring or installation may cause fire or electric shock.

- Use the correctly rated breaker or fuse.

There is risk of fire or electric shock.

- Do not modify or extend the power cable.

There is risk of fire or electric shock.

- Do not install, remove, or reinstall the unit by yourself (customer).

There is risk of fire, electric shock, explosion, or injury.

- Be caution when unpacking and installing the product.

Sharp edges could cause injury, be especially careful of the case edges and the fins on the condenser and evaporator.

- For installation, always contact the dealer or an authorized service center.

- Do not install the product on a defective installation stand.

- Be sure the installation area does not deteriorate with age.

If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.

- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

- Take care to ensure that power cable could not be pulled out or damaged during operation.

There is risk of fire or electric shock.

- Do not place anything on the power cable.

There is risk of fire or electric shock.

- **Do not plug or unplug the power supply plug during operation.**

There is risk of fire or electric shock.

- **Do not touch (operation) the product with wet hands.**

- **Do not place a heater or other appliance near the power cable.**

There is risk of fire and electric shock.

- **Do not allow water to run into electrical parts.**

It may cause fire, failure of the product, or electric shock.

- **Do not store or use flammable gas or combustible near the product.**

There is risk of fire or failure of product.

- **Do not use the product in a tightly closed space for a long time.**

Oxygen deficiency could occur.

- **When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on.**

- **If strange sounds or smoke comes from product, turn the breaker off or disconnect the power supply cable.**

There is risk of electric shock or fire.

- **Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.**

There is risk of property damage, failure of product, or electric shock.

- **Do not open the inlet grill of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)**

There is risk of physical injury, electric shock, or product failure.

- **When the product is soaked, contact an authorized service center.**

There is risk of fire or electric shock.

- **Be caution that water could not enter the product.**

There is risk of fire, electric shock, or product damage.

- **Ventilate the product from time to time when operating it together with a stove etc.**

There is risk of fire or electric shock.

- **Turn the main power off when cleaning or maintaining the product.**

There is risk of electric shock.

- **When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.**

There is risk of product damage or failure, or unintended operation.

- **Take care to ensure that nobody could step on or fall onto the outdoor unit.**

This could result in personal injury and product damage.

## ➤ **CAUTION**

- **Always check for gas (refrigerant) leakage after installation or repair of product.**

Low refrigerant levels may cause failure of product.

- **Install the drain hose to ensure that water is drained away properly.**

A bad connection may cause water leakage.

- **Keep level even when installing the product.**

---

It can avoid vibration of water leakage.

- **Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.**

It may cause a problem for your neighbors.

- **Use two or more people to lift and transport the product.**

- **Do not install the product where it will be exposed to sea wind (salt spray) directly.**

It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.

### ➤ **Operational**

- **Do not expose the skin directly to cool air for long time. (Do not sit in the draft).**

- **Do not use the product for special purposes, such as preserving foods, works of art etc.**

**It is a consumer air conditioner, not a precision refrigerant system.**

There is risk of damage or loss of property.

- **Do not block the inlet or outlet of air flow.**

- **Use a soft cloth to clean. Do not use harsh detergents, solvents, etc.**

There is risk of fire, electric shock, or damage to the plastic parts of the product.

- **Do not touch the metal parts of the product when removing the air filter. They are very sharp.**

- **Do not step on or put anything on the product. (outdoor units)**

- **Always insert the filter securely. Clean the filter every two weeks or more often if necessary.**

A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.

- **Do not insert hands or other objects through air inlet or outlet while the product is operated.**

- **Do not drink the water drained from the product.**

- **Use a firm stool or ladder when cleaning or maintaining the product.**

Be careful and avoid personal injury.

- **Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.**

There is risk of fire or explosion.

- **Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.**

They may burn or explode.

- **If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.**

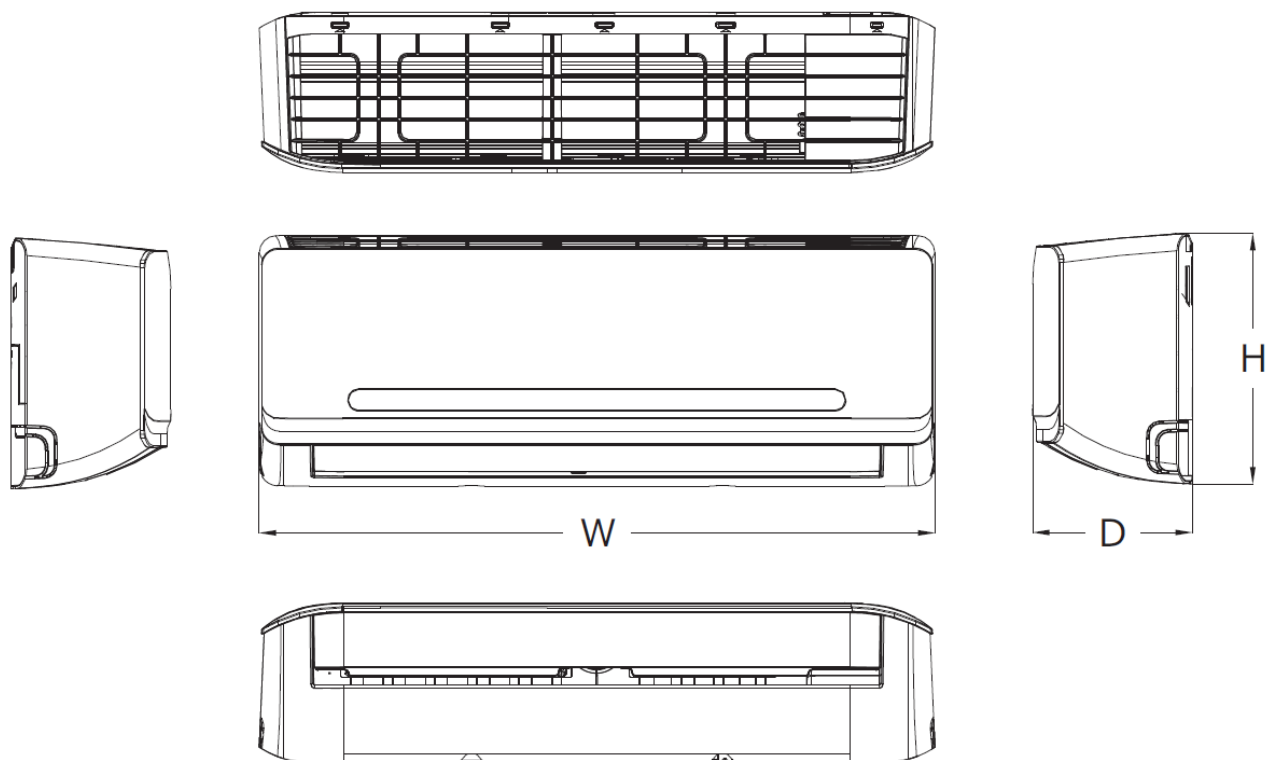
## 2. Function

### Model Names of Indoor/Outdoor Units

On-Off	Capacity	Indoor/Outdoor units
	9k	TMSAB-09HB
	12k	TMSAB-12HB
	18k	TMSAB-18HB
	24k	TMSAB-24HB
	30k	TMSAB-30HB

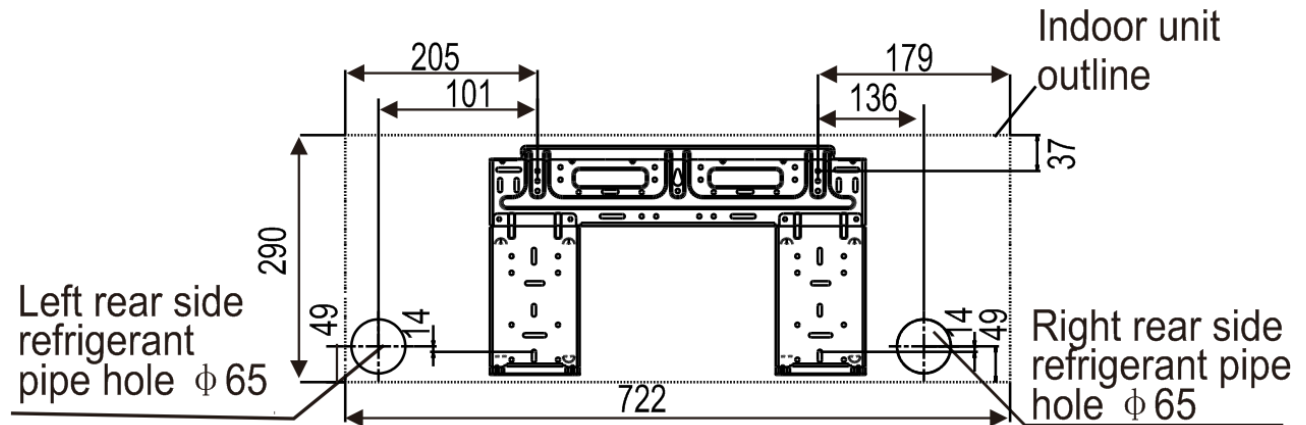
### 3. Dimension

#### 3.1 Indoor Unit

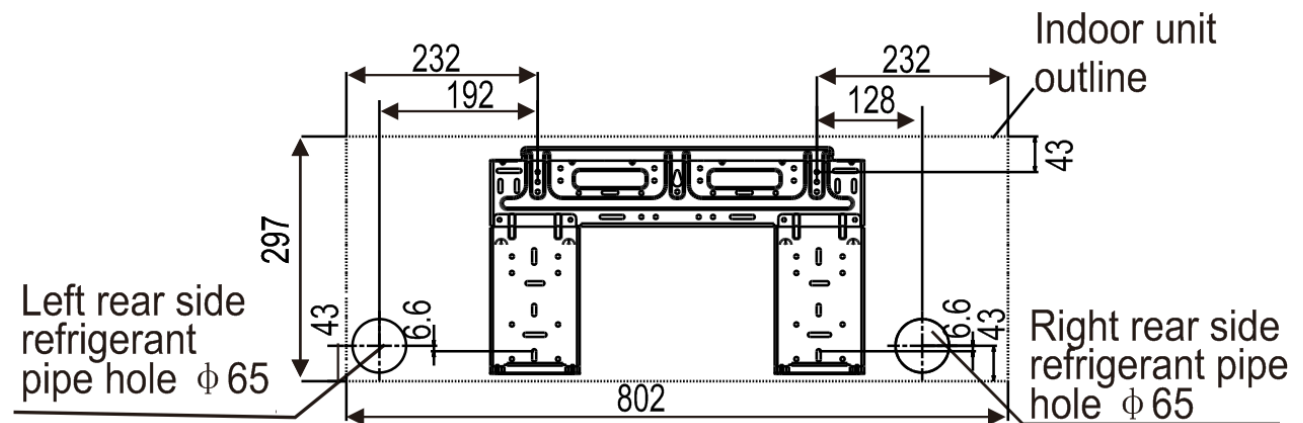


Model	W	D	H
TMSAB-09HB	722	187	290
TMSAB-12HB	802	189	297
TMSAB-18HB	965	215	319
TMSAB-24HB	1080	226	335
TMSAB-30HB	1259	282	362

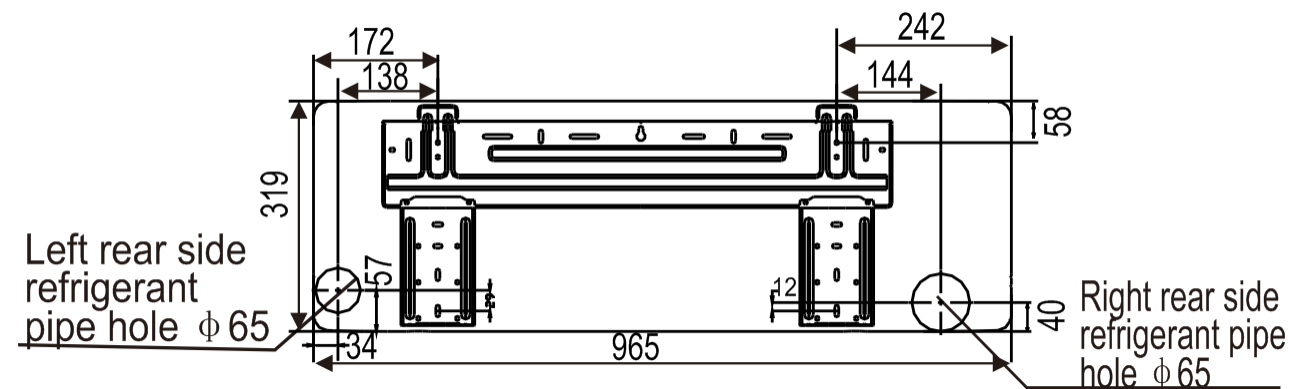
**For TMSAB-09HB**



**For TMSAB-12HB**

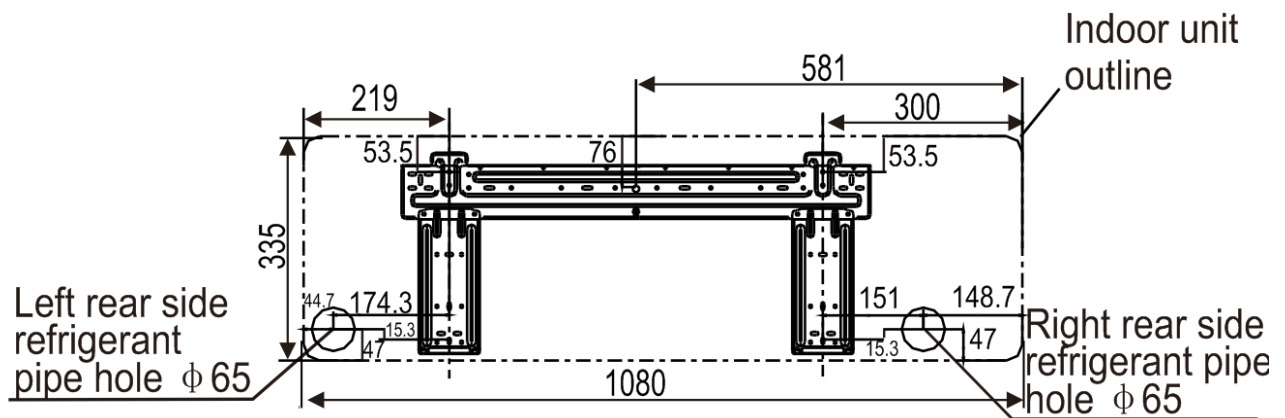


**For TMSAB-18HB**

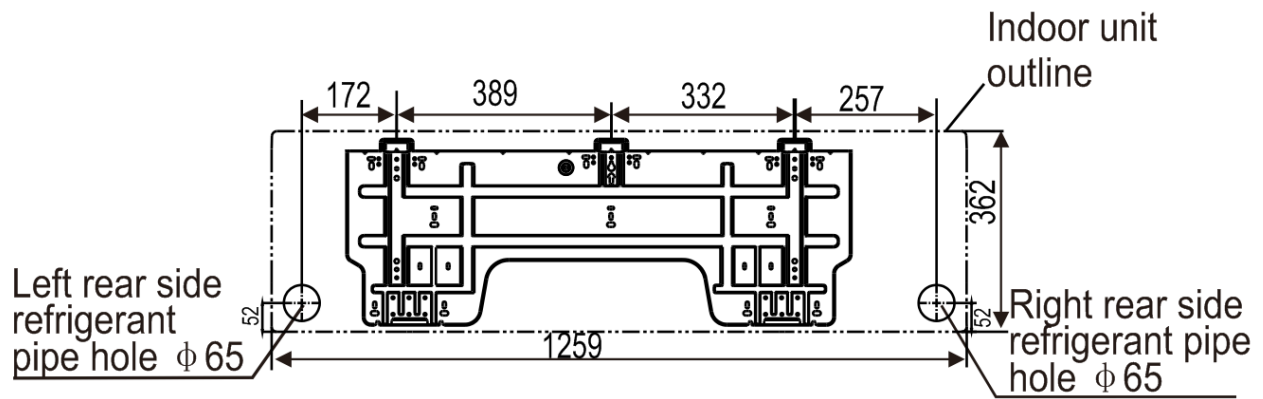




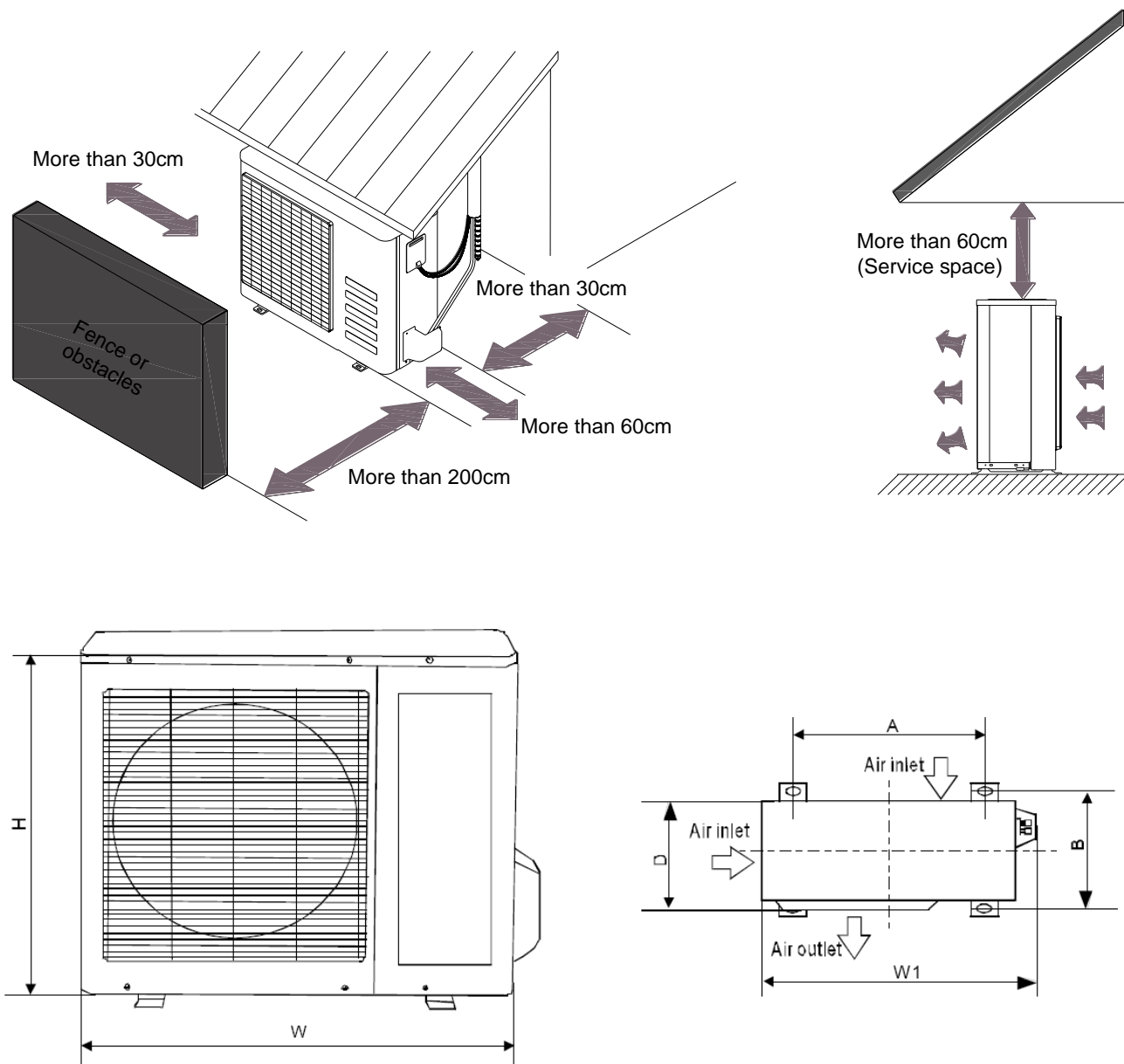
**For TMSAB-24HB**



**For TMSAB-30HB.**



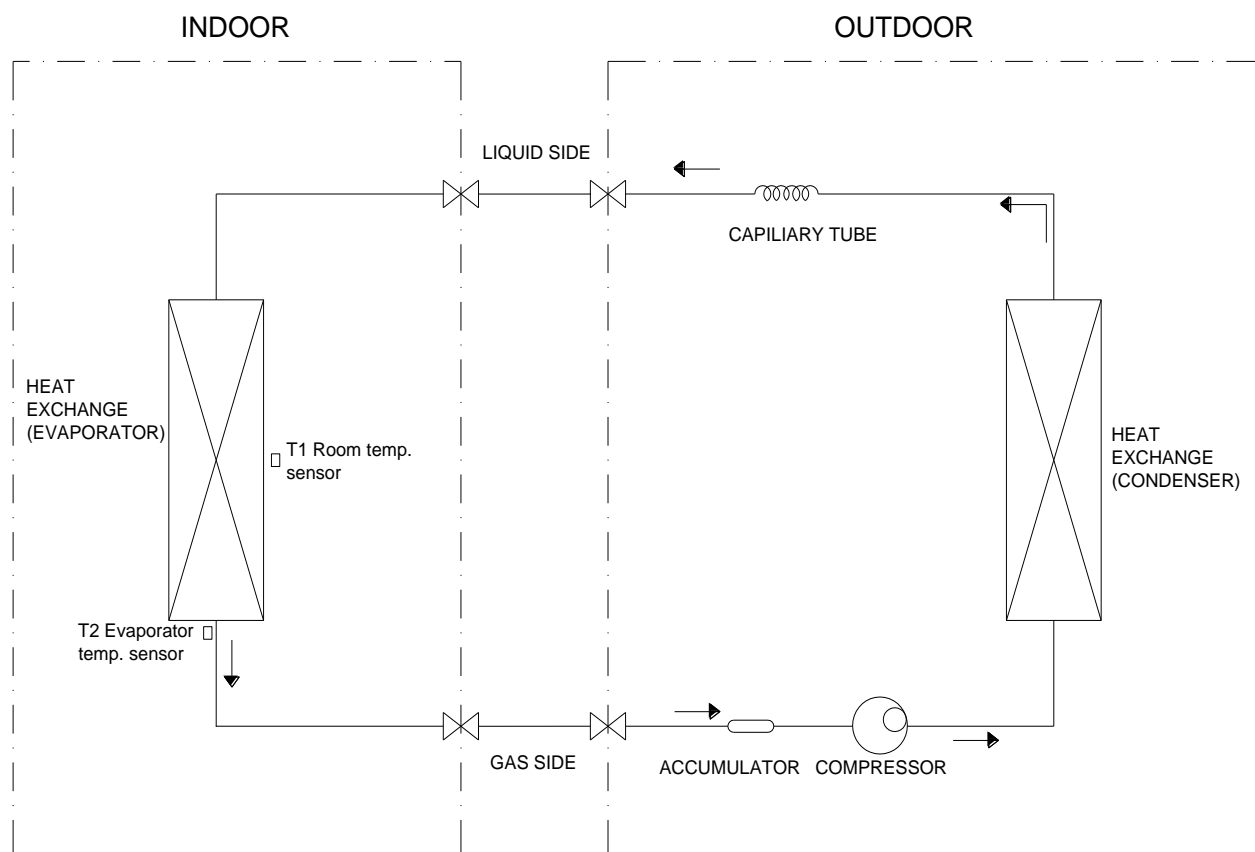
## 3.2 Outdoor Unit



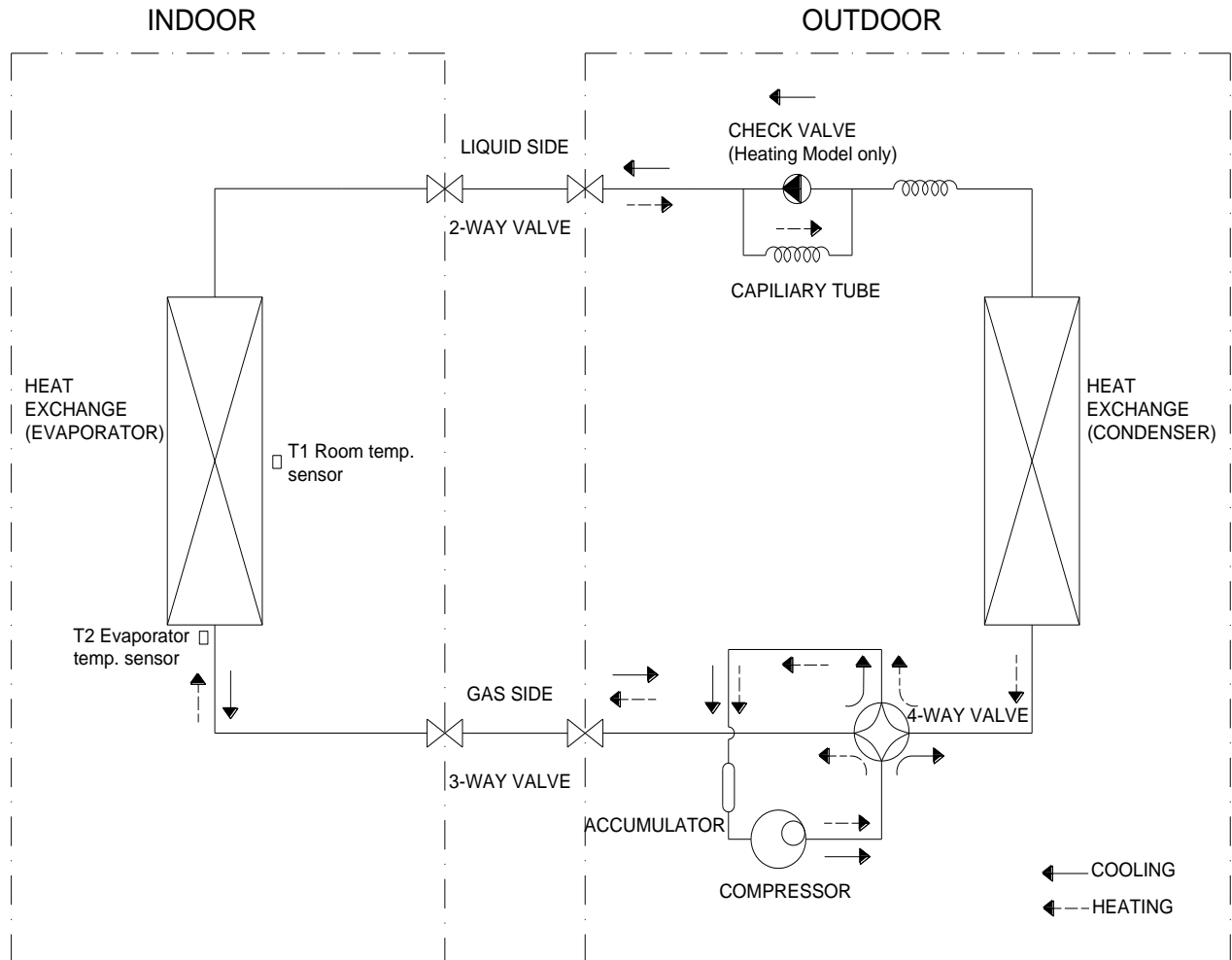
Model	W	D	H	W1	A	B
TMSAB-09HB	685	260	430	742	460	276
TMSAB-12HB	780	250	540	843	549	276
TMSAB-18HB	845	320	700	908	560	335
TMSAB-24HB	845	320	700	908	560	335
TMSAB-30HB	945	395	810	1030	640	405

## 4. Refrigerant Cycle Diagram

For cooling only models:



**For heat pump models:**





Air Conditioning Systems

Cooling & Heating

**TRUST AIR-CONDITIONING EQUIPMENT CO.**

Shiraz office: 8 th floor, Alvand Blog., Dostan St.,  
Moaliabad Ave., SHIRAZ, IRAN., Post code: 71877-14446

Tel.: +98-71-36341070

Fax.: +98-71-36341094

Tehran office: No. 19- koohe nour St.- Motahhari St.-

TEHRAN, IRAN., Post code: 15876-73111

Tel.: +98-21-89389

Fax.: +98-21-88541903

Ahwaz office: No. 309- Kaveh St.- AHWAZ, IRAN., Post code: 61939-47911

Tel.: +98-61-32230647-8

Fax.: +98-61-32230647

E-mail: [info@trustacs.com](mailto:info@trustacs.com)

Web site: <http://www.trustacs.com>

