{CLAIMS}

{Claim 1}

An oil tank of a turbo chiller compressor, comprising:

a bottom plate; and

a side plate standing upright so as to extend upward from an outer peripheral edge portion of the bottom plate,

the oil tank forming a bottom portion of a casing forming the turbo chiller compressor, wherein

a through-hole is formed so as to penetrate the side plate in a plate thickness direction,

a protective tube closed at a tip end thereof is inserted into the through-hole, and

a rod-shaped heater configured to be able to be pulled out from the protective tube and be inserted into the protective tube is inserted into the protective tube.

{Claim 2}

The oil tank of a turbo chiller compressor according to claim 1, wherein

the through-hole is formed at a bottommost portion of the side plate.

{Claim 3}

The oil tank of a turbo chiller compressor according to claim 1 or 2, wherein

a space between the protective tube and the heater is filled with heat transfer fluid having a high coefficient of

thermal conductivity.

{Claim 4}

An oil tank of a turbo chiller compressor, comprising:

a bottom plate; and

a side plate standing upright so as to extend upward from an outer peripheral edge portion of the bottom plate,

the oil tank forming a bottom portion of a casing forming the turbo chiller compressor, wherein

in the bottom plate, a hole is formed so as to extend from one end surface of the bottom plate toward the other end surface of the bottom plate opposite to the one end surface, and

a rod-shaped heater configured to be able to be pulled out from the hole and be inserted into the hole is inserted into the hole.

{Claim 5}

The oil tank of a turbo chiller compressor according to claim 4, wherein

a space between the hole and the heater is filled with heat transfer fluid having a high coefficient of thermal conductivity.

{Claim 6}

An oil tank of a turbo chiller compressor, comprising:

a bottom plate; and

a side plate standing upright so as to extend upward from

an outer peripheral edge portion of the bottom plate,

the oil tank forming a bottom portion of a casing forming the turbo chiller compressor, wherein

a sheet-shaped heater is attached so as to cover an outer surface of the bottom plate or cover outer surfaces of the bottom and side plates.

{Claim 7}

The oil tank of a turbo chiller compressor according to claim 6, wherein

sheet-shaped metal having a high coefficient of thermal conductivity is interposed between the heater and the outer surface so as to closely adhere to both of the heater and the outer surface.

{Claim 8}

The oil tank of a turbo chiller compressor according to any one of claims 4 to 7, wherein

a plurality of heat transfer fins are formed so as to protrude upward from an upper surface of the bottom plate.

{Claim 9}

A turbo chiller compressor comprising:

the oil tank of a turbo chiller compressor according to any one of claims 1 to 8.

{Claim 10}

A turbo chiller comprising:

the turbo chiller compressor according to claim 9.

**The Claims amended under Article 19 of the Treaty**

{Claim 1} (Canceled)

{Claim 2} (Canceled)

{Claim 3} (Canceled)

{Claim 4} (Currently amended)

An oil tank of a turbo chiller compressor, comprising:

a bottom plate; and

a side plate standing upright so as to extend upward from an outer peripheral edge portion of the bottom plate,

the oil tank forming a bottom portion of a casing forming the turbo chiller compressor, wherein

in the bottom plate, a hole is formed so as to extend from one end surface of the bottom plate toward the other end surface of the bottom plate opposite to the one end surface,

a rod-shaped heater configured to be able to be pulled out from the hole and be inserted into the hole is inserted into the hole, and

a plurality of heat transfer fins are formed so as to protrude upward from an upper surface of the bottom plate

{Claim 5}

The oil tank of a turbo chiller compressor according to claim 4, wherein

a space between the hole and the heater is filled with heat transfer fluid having a high coefficient of thermal conductivity.

{Claim 6} (Canceled)

{Claim 7} (Canceled)

{Claim 8} (Canceled)

{Claim 9} (Currently amended)

A turbo chiller compressor comprising:

the oil tank of a turbo chiller compressor according to claim 4 or 5.

{Claim 10}

A turbo chiller comprising:

the turbo chiller compressor according to claim 9.

{CLAIMS}

{Claim 1}

An oil tank of a turbo chiller compressor, comprising:

a bottom plate; and

a side plate standing upright so as to extend upward from an outer peripheral edge portion of the bottom plate,

the oil tank forming a bottom portion of a casing forming the turbo chiller compressor, wherein

in the bottom plate, a hole is formed so as to extend from one end surface of the bottom plate toward the other end surface of the bottom plate opposite to the one end surface,

a rod-shaped heater configured to be able to be pulled out from the hole and be inserted into the hole is inserted into the hole,

a plurality of heat transfer fins are formed so as to protrude upward from an upper surface of the bottom plate, and

a first thermometer configured to measure an oil temperature in the oil tank and a second thermometer configured to measure the oil tank temperature are provided to monitor both of the oil temperature and the oil tank temperature.

{Claim 2}

The oil tank of a turbo chiller compressor according to claim 1, wherein

a space between the hole and the heater is filled with

heat transfer fluid having a high coefficient of thermal conductivity.

{Claim 3}

A turbo chiller compressor comprising:

the oil tank of a turbo chiller compressor according to claim 1 or 2.

{Claim 4}

A turbo chiller comprising:

the turbo chiller compressor according to claim 3.