CLAIMS

1. A package-type compressor comprising:

a box-shaped package having an intake port and an exhaust port;

a compressor main body that compresses gas in the package;

a motor that drives the compressor main body in the package;

a gas-cooling type heat exchanger that exchanges heat between cooling gas taken in from the intake port and exhausted from the exhaust port and compressed gas compressed by the compressor main body to cool the compressed gas in the package;

a cooling fan that blows air toward the gas-cooling type heat exchanger in the package; and

an intake duct member constituting at least part of an intake flow path that is a flow path of the cooling gas and extends from the intake port into the package, wherein

the intake port is provided over a length that is 50% or more of an entire length of a side face of the package in a height direction,

the intake port and the intake flow path are partitioned into a plurality of divided intake ports and a plurality of divided intake flow paths by the intake duct member,

the intake duct member is disposed such that the compressor main body and the cooling fan cannot be directly viewed even when an inside of the package is viewed from an outside through at least one of the divided intake ports and at least one of the divided intake flow paths, and

the plurality of divided intake ports is disposed side by side in a vertical direction, and a most lower divided intake port is the largest of the divided intake ports.

2. The package-type compressor according to claim 1, wherein

at least one of the divided intake flow paths includes the intake duct member and an inner face of the package.

3. The package-type compressor according to claim 1 or 2, wherein

two adjacent paths of the divided intake flow paths partially share the intake duct member.

4. The package-type compressor according to any one of claims 1 to 3, wherein

at least one of the divided intake flow paths is curved.

5. The package-type compressor according to any one of claims 1 to 4, further comprising an outer fan attached to the motor, wherein

the intake flow path extends from the intake port to the outer fan.

6. The package-type compressor according to any one of claims 1 to 5, wherein

the lower divided intake flow path, among the divided intake flow paths, the intake duct member constitutes, the larger a sound absorbing material attached to the intake duct member.

7. The package-type compressor according to any one of claims 1 to 6, further comprising an exhaust duct that accommodates the cooling fan and extends from the motor to the gas-cooling type heat exchanger.