CLAIMS

1. A screw compressor comprising:

a screw compressor main body;

a motor for driving the screw compressor main body;

a gearbox accommodating a gear mechanism therein, interposed between the screw compressor main body and the motor to transmit a driving force of the motor to the screw compressor main body via the gear mechanism; and

a gas cooler positioned below either the screw compressor main body or the motor and detachably attached to a side surface of the gearbox.

2. The screw compressor according to claim 1, wherein support end portions are each provided at the gearbox and the gas cooler, the gearbox and the gas cooler are each placed on a base plate and a vibration isolator is disposed between each support end portion and the base plate.

3. The screw compressor according to claim 2, wherein the gearbox and the gas cooler are placed on the base plate via the two vibration isolators supporting the gearbox and the one vibration isolator supporting the gas cooler.

4. The screw compressor according to claim 2 or 3, wherein the only one vibration isolator supporting the gas cooler is

arranged substantially at a center, in a direction orthogonal to each of shafts of the motor and the screw compressor main body, of the gas cooler.

5. The screw compressor according to claim 2 or 3, wherein each of the vibration isolators supporting the gearbox is arranged in a vicinity of each corresponding end, in a direction orthogonal to each of shafts of the motor and the screw compressor main body, of the gearbox.

6. The screw compressor according to claim 4, wherein each of the vibration isolators supporting the gearbox is arranged in a vicinity of each corresponding end, in a direction orthogonal to each of shafts of the motor and the screw compressor main body, of the gearbox.