

ABSTRACT

HERMETIC COMPRESSOR HAVING DISCHARGE MUFFLER

A hermetic compressor is disclosed. The hermetic compressor comprises compressing unit and an electromotive unit. The compressing unit comprises: a cylinder block having a compression chamber; cylinder head having a discharge chamber which is controllably couplable to the compression chamber; a discharge muffler body portion and a discharge muffler cover which form a discharge muffler chamber coupled to the discharge chamber; a piston configured to compress a refrigerant in the compression chamber; and a main frame having a least one mounting leg. The electromotive unit comprises: a stator; a rotor; and a crankshaft coupled to the rotor. The electromotive unit is configured such that rotary motion of the rotor relative to the stator causes rotation of the crankshaft which drives the piston to compress the refrigerant in the compression chamber. The compressing unit is coupled to the stator of the electromotive unit and supported by the at least one mounting leg of the main frame and the discharge muffler cover .

[Figure 2A to be printed with Abstract]