

Title (en)
MOTOR-DRIVEN COMPRESSOR UNIT PARTICULARLY FOR AIRTIGHT COMPRESSORS ON FLUID COMPRESSING OR REFRIGERATING MACHINES

Publication
EP 0046142 A3 19820324 (EN)

Application
EP 81830119 A 19810715

Priority
IT 6822980 A 19800731

Abstract (en)
[origin: EP0046142A2] The present invention relates to a motor-driven compressor unit, particularly for airtight compressors on refrigerating machines, comprising a main part (1), a crankshaft (3) which rotates in a first seat in the main part (1) and the crank pin (4) of which constitutes one end of the shaft, a piston (2) which slides in a second seat in the main part (1), and a single-piece connecting rod (5) coupled directly to the crank pin (4) with no parts inbetween and to the piston (2) by means of a pin (8). In one arrangement of the present invention, an opening (10) is made in the piston slide seat nearest the crank pin (4) so that parts may be assembled in the following order: crankshaft (3) in the main part (1) with the crank pin (4) in the bottom dead centre position; connecting rod (5) straight inside the crank pin (4) through the said opening (10), piston (2) in the cylindrical seat; pin (8) in the piston (2) and connecting rod (5). Besides making assembly easier, this arrangement reduces the number of component parts required as well as friction and total weight.

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CPC (source: EP)
F04B 39/122 (2013.01); **F04B 39/14** (2013.01)

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