

Abstract

5 The invention relates to a bearing housing (115) for a flow machine (100), wherein the bearing housing (115) comprises a bearing axis (LA), a bearing chamber (200) for receiving a bearing (116, 120, 121) and a lubricant chamber (202) for receiving a lubricant, and wherein the lubricant chamber (202) and the bearing chamber (200) are in flow communication via an opening (203), wherein the lubricant
10 chamber (202) comprises a wall portion (204) for dissipating heat to the environment, and which wall portion (204) has an inner surface (205) directed towards the lubricant chamber (202) and an outer surface (206) directed towards the environment. Internal cooling fins (207) are arranged at a part of the inner surface (205), in order to achieve sufficient cooling of the bearing (116, 120, 121)
15 and the lubricant even at high ambient temperatures.

(Fig. 2)