

Data Acquisition for Technical Bearing Calculation

Company: **Date:**

Name: **Tel.:** **Email:**

Driven by: v-belt pulley coupling (please mark)

Mounting position: horizontal vertical

Impeller weight (static, without impact for imbalance)	G_V [N]
Distance center of gravity of impeller - bearing A	L_V [mm]
Distance action line of v-belt pulley (coupling) - bearing B	L_R [mm]
Distance from center to center bearing A - bearing B	E [mm]
Effective diameter of v-belt pulley	D_K [mm]
Weight of v-belt pulley or coupling	G_K [N]
Power of drive engine	P_A [kW]
Power required at fan shaft	P_W [kW]
Operating speed of impeller	N [min ⁻¹]
Effective axial thrust	F_A [N]
Temperature in the conveyed medium	T_V [°C]
Required theoretical service life of bearing	L_{10h} [h]

Other specifications:

Requested bearing type / size: shaft material:

Other:

