```
industrial_amb125kW26500/SKF75350kWfig: industrial_amb40000/15kHz
       \begin{array}{c} GCl_{bA}l_{bB}l_{sA}l_{sB}O - \\ xyzOxy\alpha\beta\Omega \\ CO - \\ xyz \textbf{q}_i = \end{array}
        \begin{bmatrix} \boldsymbol{\beta}_i, \boldsymbol{x}_i, -\alpha_i, y_i \end{bmatrix}^T GO - 
 \boldsymbol{x} \boldsymbol{y} \boldsymbol{z} \boldsymbol{q}_g = 
       \begin{bmatrix} \beta_{g}, x_{g}, -\alpha_{g}, y_{g} \end{bmatrix}^{T} \mathbf{q}_{s} = \\ [x_{sA}, x_{sB}, y_{sA}, y_{sB}]^{T} \mathbf{q}_{b} = \\ [x_{bA}, x_{bB}, y_{bA}, y_{bB}]^{T} 
      zO- \\ xO- \\ yq_bq_gq_s
(2)
f_m = k_s x + k_i i
       k_s k_i k s_A = k_s k_i = k_s k_{iA} = k_{iB} = k_i
       M\ddot{q}_i + G\dot{q}_i = -BK_sB^Tq_i + BK_ii
(4) MGK_sK_i i
       M = [\,I_y\,0000m0000I_x0000m
       G = \Omega \left[ 0.0I_z 00000 - I_z 00000000 \right]
       K_s = [K_{sA} \, 0000 K_{sB} \, 0000 K_{sA} \, 0000 K_{sB}]
       K_i = [K_{iA} 0000K_{iB}0000K_{iA}0000K_{iB}]
       i = [i_{xA} \, 0000 i_{xB} \, 0000 i_{yA} \, 0000 i_{yB}]
       \begin{array}{cccc} {}_{x}I_{y}I_{z}xyz & & & \\ l_{b} & & 0. & \\ l_{s} & & 0. & \\ l_{c} & & 0. & \\ m & & 3 & \\ l_{c} & & 2.38 \end{array}
```

0.03m 0.12m 0.14m 3.9kg $8 \times 10^5 M/s$