

## 减速机的选型所需的参数

减速机的选择用户应提供以下尽量详细的技术要求、载荷周期和运行条件,布鲁克纳公司将可为客户完成最后的选择,保证减速机的质量、经济性和可靠性。

为了确保承诺的有效性,主要承包商对传动系统的坚固性负责,通过影响因素进行控制,连接传动部分必须协调。用户需在规定的范围内安装、润滑、使用、运行、维护,不受极限速度、扭矩、振动的影响。

## 被动设备

- 名称和种类
- 负载性质 (使用冲击系数或惯量)
- 运行负载
- 输出功率
- 输出转速  $n_2(\text{rpm})$ :
- 输出扭矩  $T_2(\text{N} \cdot \text{m})$ :
- 连续使用时间      小时/天      小时/月      小时/年
- 起动力矩和频率
- 制动力矩和频率
- 冲击负载、峰值负载和频率
- 正反运转和频率
- 径向、轴向负载

原动机(或电动机是否正反转及其频率,输出轴径向和轴向负载)

- 型号和种类
- 额定功率和转速
- 最大扭矩
- 起动转矩
- 转动惯量直连电动机时,参照电动机的说明
- 代号及附件
- 电机接线盒位置是否指定

减速器 (所选减速器必须能经受起动、制动、冲击力矩等影响)

- 要求的型号
- 安装形式
- 安装方位
- 输出形式
- 电源
- 润滑 (飞溅润滑、强制润滑)
- 冷却: 不附加冷却装置 (即风冷)
- 强制风冷
- 强制水、油冷却
- 噪声: 要求声压值  $\leq$
- 其它附件

## Required parameter for motor selection

Reducer users should offer below detailed technical requirements, BLKN would accomplish final selection for client and assure reducer's quality, economy, reliability. To ensure validity for promise.

To ensure validity for promise, main contractor should take charge of system ruggedness and transmission factor controlling, connecting pieces must harmonize with transmission components. User must use reducer, operate reducer and maintain reducer properly in the stated tang, and reducer is not influenced by limited speed, torque, vibration.

## Passive equipment

- Name and variety
- Load character (use shock factor or inertia)
- Running load
- Output power(kW)
- Output speed(rpm)
- Output torque( $\text{N} \cdot \text{m}$ )
- Time of woking continuously(hour per day)
- Starting moment and frequency
- Brake momet and frequency
- Shock load,peak load and frequency
- Rotate in both directions and frequency
- Radial and axial load

Impelling force(or motor,if rotate in both direction and frequency of that, output shaft radial and axial load)

- Mode and variety
- Power rating and speed
- Maximal torque
- Starting torque
- Connect with motor directly, rotational inertia refer to specification of motor
- Code and appurtenances
- If position of the terminal box is special requirement.

Reducer (Selected reducer can stand up to influence of starting and brake and shock moment)

- Requied model
- Mounting mode
- Mounting position
- Output mode
- Electrical source
- Lubrication(splash lubrication or forced lubrication)
- Cooling method: No cooling device(air blast)
- Cooling by fan
- Cooling by water or oil
- Noise(dB):required sound pressure value  $\leq$
- Other appurtenances

联接:

- 被驱动设备和减速器联接:
- 减速机和电动机或其它原动机联接:
- \* 当用皮带、链条或开式齿轮联接时, 必须告知装在轴端的皮带、链条或齿轮的直径, 以及中心距和负载方向。
- \* 如果使用刚性联轴器, 必须告知作用在轴上的轴向和径向负载。

环境条件:

- 周围温度、 空旷场地、狭小场地、通风条件:
- 特殊条件: 高温、低温、灰尘、化学作用、直接日照、冰等

特殊要求:

- 例如: 外伸中间轴 (S、R、K、F、RV、H、B、P 都有可能)
- 制动停机 (例倾斜输送机)
- 特殊密封 (灰尘、严格要求的食品、化学原料等)
- 速度监测、保护、逆止器等

其它要求:

Connection:

Driven equipment is connected with gear unit  
Gear unit is connected with motor or other drives.

- \* When gear unit is connected with belt, chain or gear, user must tell BLKN their diameter, centre distance and load direction.
- \* If gear unit is connected with rigid coupling, user must tell BLKN radial and axial load applied on shaft.

Ambient condition:

Ambient temperature, open field, narrow field, ventilation condition:

Special condition: high temperature, low temperature, dust, chemistry, direct sun, ice etc:

Special requirement:

Example: Extend intermediate shaft (it is possible for S、R、K、F、RV、H、B、P)

Braking and stopping (Such as inclined conveyer)

Special seal (dust, food and chemical material with special requirements.

Speed monitor, protection, backstop.

Other requirement: