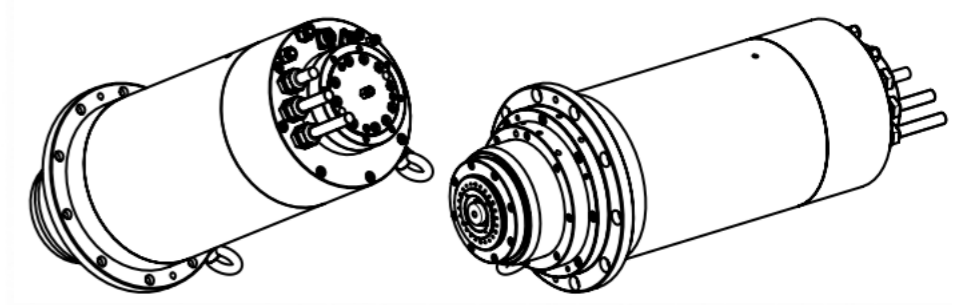


| Spindle specification |                                                                                           |            |                                       |       |
|-----------------------|-------------------------------------------------------------------------------------------|------------|---------------------------------------|-------|
| SPEED                 | 5000                                                                                      | 15000      |                                       | r/min |
| Frequency             | 172                                                                                       | 508        |                                       | Hz    |
| Power(S1)             | 35                                                                                        | 35         |                                       | kW    |
| Torque(S1)            | 67                                                                                        | 22.3       |                                       | Nm    |
| Voltage               | 380                                                                                       | 380        |                                       | V     |
| Current(S1)           | 62                                                                                        | 62         |                                       | A     |
| Motor type            | Induction motor                                                                           | Encoder    | 256 teeth, m=0.4 output 1Vpp, SIN/COS |       |
| Lubricant             | Grease                                                                                    | Rotation   | right and left                        |       |
| Operating position    | horizontal to vertical                                                                    | Front seal | Protecting air flow, 1-1.5bar         |       |
| ATC cylinder          | hydraulic pressure unclamp 80bar, air pressure clamp 5bar                                 |            |                                       |       |
| Interface             | HSK A63 DIN69893, CLAMPING FORCE 18000N                                                   |            |                                       |       |
| Air quality           | Filtration and drying, particle size 5 microns, residual oil content 0.5mg/m <sup>3</sup> |            |                                       |       |
| Spindle Coolant       | Water, flow rate 10L/min@25°C                                                             |            |                                       |       |

| ATC & Temperature Connector |               |    |                    |    |              |
|-----------------------------|---------------|----|--------------------|----|--------------|
| 1                           | bearing PT100 | 7  | 10-30VDC           | 13 | ---          |
| 2                           | bearing PT100 | 9  | Clamp without tool | 14 | motor PT1000 |
| 3                           | ---           | 9  | 0V                 | 15 | motor PT1000 |
| 4                           | 10-30VDC      | 10 | 10-30VDC           | 16 | Shield       |
| 5                           | Unclamp tool  | 11 | Clamp tool         | 17 | ---          |
| 6                           | 0V            | 12 | 0V                 |    | ---          |

| Encoder Connector |     |    |        |
|-------------------|-----|----|--------|
| 1                 | B-  | 7  | Shield |
| 2                 | --- | 8  | B+     |
| 3                 | Z+  | 9  | ---    |
| 4                 | Z-  | 10 | 0V     |
| 5                 | A+  | 11 | -      |
| 6                 | A-  | 12 | +5V    |



| 未注尺寸公差          |      | -     |    | 主轴确认图 |    |    |    |  |  |  |  |
|-----------------|------|-------|----|-------|----|----|----|--|--|--|--|
| 注: 孔取(+), 轴取(-) |      | 件号    | 名称 | 数量    | 材料 | 硬度 | 备注 |  |  |  |  |
| 尺寸/mm           |      |       |    |       |    |    |    |  |  |  |  |
| 大于              | 至    | 公差    |    |       |    |    |    |  |  |  |  |
| -               | 6    | ±0.05 |    |       |    |    |    |  |  |  |  |
| 6               | 30   | ±0.10 |    |       |    |    |    |  |  |  |  |
| 30              | 120  | ±0.15 |    |       |    |    |    |  |  |  |  |
| 120             | 250  | ±0.25 |    |       |    |    |    |  |  |  |  |
| 250             | 500  | ±0.35 |    |       |    |    |    |  |  |  |  |
| 500             | 1000 | ±0.45 |    |       |    |    |    |  |  |  |  |
| 1000            | 1600 | ±0.55 |    |       |    |    |    |  |  |  |  |
| 1600            | 2000 | ±0.65 |    |       |    |    |    |  |  |  |  |
| 更改号             | 签字   | 日期    | 批  | 准     |    |    |    |  |  |  |  |

**LYJSD 230XDJ15G35**

比例 1:5  
重量 -