

PRODUCT  
CATALOGUE

# 产品目录

## STP/STL系列伺服电机



ISO9001:2008



M10904202



STL伺服电机

STL SERVO MOTORS

机座号 ( mm ) : 130  
FRAME SIZE

额定转矩 ( Nm ) : 9.8~15.8  
RATED TORQUE

额定功率(Kw) : 3.0~5.0  
RATED POWER

额定转速 ( rpm ) : 3000  
RATED SPEED

最高转速 ( rpm ) : 6000  
MAXIMUM SPEED

极对数 : 5  
POLES

转子惯量 : 低惯量  
ROTOR INERTIA

反馈元件 : 可选  
FEEDBACK

失电制动器 : 可配  
POWER-OFF BRAKE

适配驱动器工作电压 ( VAC ) : 380  
MATCHED DRIVER WORKING VOLTAGE CODE

STP伺服电机

STP SERVO MOTORS

机座号 ( mm ) : 130  
FRAME SIZE

额定转矩 ( Nm ) : 5.4~14.6  
RATED TORQUE

额定功率(Kw) : 0.85~3.1  
RATED POWER

额定转速 ( rpm ) : 1500、2000  
RATED SPEED

最高转速 ( rpm ) : 3000、4000  
MAXIMUM SPEED

极对数 : 5  
POLES

转子惯量 : 中惯量  
ROTOR INERTIA

反馈元件 : 可选  
FEEDBACK

失电制动器 : 可配  
POWER-OFF BRAKE

适配驱动器工作电压 ( VAC ) : 220、380  
MATCHED DRIVER WORKING VOLTAGE CODE

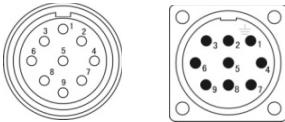
动力插座（4P插座）：130机座号  
POWER SOCKET ( 4PIN )

| 绕组引线 | U | V | W |  |
|------|---|---|---|-----------------------------------------------------------------------------------|
| 插头编号 | 2 | 3 | 4 | 1                                                                                 |



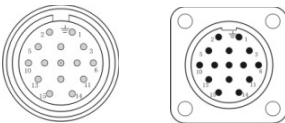
反馈元件插座：省线增量式编码器（代码F1，9P插座/插头）  
ENCODER SOCKET

| 信号   | +5V | 0V | A+ | A- | B+ | B- | Z+ | Z- |  |
|------|-----|----|----|----|----|----|----|----|-----------------------------------------------------------------------------------|
| 插头编号 | 2   | 3  | 4  | 7  | 5  | 8  | 6  | 9  | 1                                                                                 |



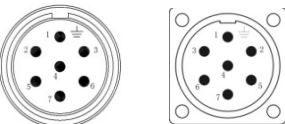
反馈元件插座：非省线式增量编码器（代码F、F5，15 P，DB插座/插头）  
ENCODER SOCKET

| 信号   | +5V | 0V | A+ | A- | B+ | B- | Z+ | Z- | U+ | U- | V+ | V- | W+ | W- |  |
|------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------------------------------------------------------------------------|
| 插头编号 | 2   | 3  | 4  | 7  | 5  | 8  | 6  | 9  | 10 | 13 | 11 | 14 | 12 | 15 | 1                                                                                   |



反馈元件插座：TAMAGAWA绝对式多圈编码器（代码M、M1，7P插座/插头）  
ENCODER SOCKET

| 信号   | +5V | 0V | SD+ | SD- | E+ | E- |  |
|------|-----|----|-----|-----|----|----|------------------------------------------------------------------------------------|
| 插头编号 | 7   | 5  | 6   | 4   | 3  | 2  | 1                                                                                  |



失电制动器插座（2 P、3P）：130机座号  
ELECTRIC LOSS BRAKE SOCKET

| 机座号  | 130       |
|------|-----------|
| 工作电压 | 24VDC     |
| 制动转矩 | ≥12Nm     |
| 工作电流 | ≤0.6A     |
| 插座编号 | 1         |
| 备注   | 电源？？ 极性要求 |



编码器代码：

**F**：增量复合式光电编码器（2500C/T）    **F1**：省线增量复合光电编码器（2500C/T）  
INCREMENTAL ENCODER ( 2500C/T )

**F5**：增量复合式光电编码器（5000C/T）  
INCREMENTAL ENCODER ( 5000C/T )

**M**：TAMAGAWA 绝对值串口协议光电编码器（17bit/33bit）  
TAMAGAWA ABSOLUTE ENCODER ( 17bit/33bit )

**M1**：TAMAGAWA 绝对值串口协议光电编码器（23bit/39bit）  
TAMAGAWA ABSOLUTE ENCODER ( 23bit/39bit )

**C**：磁编码器  
MAGNETIC ENCODER

特点  
FEATURES

|                         |                       |
|-------------------------|-----------------------|
| 机座 (mm) : 130           | 额定转矩 (Nm) : 9.8~15.8  |
| FRAME SIZE              | RATED TORQUE          |
| 额定转速(rpm) : 3000        | 最高转速 (rpm) : 6000     |
| RATED SPEED             | MAXIMUM SPEED         |
| 失电制动器: 选配               | 额定功率(Kw) : 3.0~5.0    |
| ELECTRIC LOSS BRAKE     | RATED POWER           |
| 绝缘等级: F                 | 极对数: 5                |
| INSULATION GRADE        | POLES                 |
| 安装方式: 法兰盘               | 防护等级: : 密封自冷式IP67     |
| INSTALLATION METHOD     | PROTECTION CLASS      |
| 环境温度: 0~55°C            | 适配驱动器工作电压 (VAC) : 380 |
| ENVIRONMENT TEMPERATURE | MATCHED DRIVER        |
|                         | 环境湿度: < 90% (无结露)     |
|                         | ENVIRONMENT HUMIDITY  |

STL系列伺服电机命名规则  
STL PRODUCTS CODE SPECIFICATION

|     |     |     |   |     |     |     |     |     |     |      |      |      |      |
|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 130 | ST  | L   | - | M   | 098 | 30  | 60  | H   | M1  | D    | D    | Z    | /C   |
| (1) | (2) | (3) |   | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |

- (1) 机座号  
FRAME SIZE

(4) 反馈元件类型  
FEEDBACK COMPONENTS TYPE

(7) 最高转速: 二位数×100rpm  
MAXIMUM SPEED : THE DOUBLE-DIGITAL NUMBER×100RPM

(10) 产品系列  
PRODUCT SERIES

(13) 轴伸端键槽代码, 无键无代码  
THE SHAFT END KEYWAY CODE, NO CODE MEANS NO KEY
- (2) 交流永磁同步伺服电机  
AC PERMANENT MAGNET

(5) 额定转矩: 三位数 × 0.1Nm  
RATED TORQUE : THE THREE-DIGIT NUMBER×0.1NM

(8) 驱动器工作电压 (VAC) : 380  
DRIVER WORKING VOLTAGE CODE

(11) 具有最高转速特性  
MAXIMUM SPEED FEATURES
- (3) 低惯量  
LOW INERTIA

(6) 额定转速: 二位数×100rpm  
RATED SPEED : THE DOUBLE-DIGITAL NUMBER×100RPM

(9) 编码器代码  
ENCODER CODE

(12) 安装了失电制动器  
WITH THE POWER-OFF BRAKE

STL系列一览表  
ST L SERI ES L I ST

| 电机型号<br>MOTOR TYPE  | 主要参数<br>TECHNICAL PARAMETERS |                     |                      |                       |                     |
|---------------------|------------------------------|---------------------|----------------------|-----------------------|---------------------|
|                     | 额定转矩<br>RATED TORQUE         | 额定转速<br>RATED SPEED | 最高转速<br>MAXIMUMSPEED | 额定电流<br>RATED CURRENT | 额定功率<br>RATED POWER |
| 130STL-M0983060H□DD | 9.8 Nm                       | 3000 rpm            | 6000 rpm             | 10.0 A                | 3.0 Kw              |
| 130STL-M1263060H□DD | 12.6 Nm                      | 3000 rpm            | 6000 rpm             | 13.0 A                | 4.0 Kw              |
| 130STL-M1583060H□DD | 15.8 Nm                      | 3000 rpm            | 6000 rpm             | 16.0 A                | 5.0 Kw              |

□编码器代码  
Encodercode

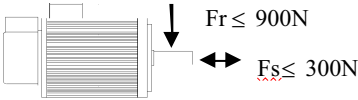
● 130 机座 ( 3000rpm/6000rpm )  
FRAME

|                                    |                                                                                                              |                                                                                                              |                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STL-M0983060H□DD                                                                                          | 130STL-M1263060H□DD                                                                                          | 130STL-M1583060H□DD                                                                                          |
| 额定功率<br>RATED POWER                | 3 Kw                                                                                                         | 4 Kw                                                                                                         | 5 Kw                                                                                                         |
| 额定转矩<br>RATED TORQUE               | 9.8 Nm                                                                                                       | 12.6 Nm                                                                                                      | 15.8 Nm                                                                                                      |
| 额定转速<br>RATED SPEED                | 3000 rpm                                                                                                     | 3000 rpm                                                                                                     | 3000 rpm                                                                                                     |
| 最高转速<br>MAXIMUM SPEED              | 6000 rpm                                                                                                     | 6000 rpm                                                                                                     | 6000 rpm                                                                                                     |
| 额定电流<br>RATED CURRENT              | 10.0 A                                                                                                       | 13.0 A                                                                                                       | 16.0 A                                                                                                       |
| 转子惯量<br>ROTOR INERTIA              | 0.96 Kg <sup>m<sup>2</sup></sup> ×10 <sup>-3</sup><br>( 1.13 Kg <sup>m<sup>2</sup></sup> ×10 <sup>-3</sup> ) | 1.14 Kg <sup>m<sup>2</sup></sup> ×10 <sup>-3</sup><br>( 1.31 Kg <sup>m<sup>2</sup></sup> ×10 <sup>-3</sup> ) | 1.39 Kg <sup>m<sup>2</sup></sup> ×10 <sup>-3</sup><br>( 1.56 Kg <sup>m<sup>2</sup></sup> ×10 <sup>-3</sup> ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 0.5 ms                                                                                                       | 0.43 ms                                                                                                      | 0.47 ms                                                                                                      |
| 最大转矩<br>MAX TORQUE                 | 29.4 Nm                                                                                                      | 37.8 Nm                                                                                                      | 47.4 Nm                                                                                                      |

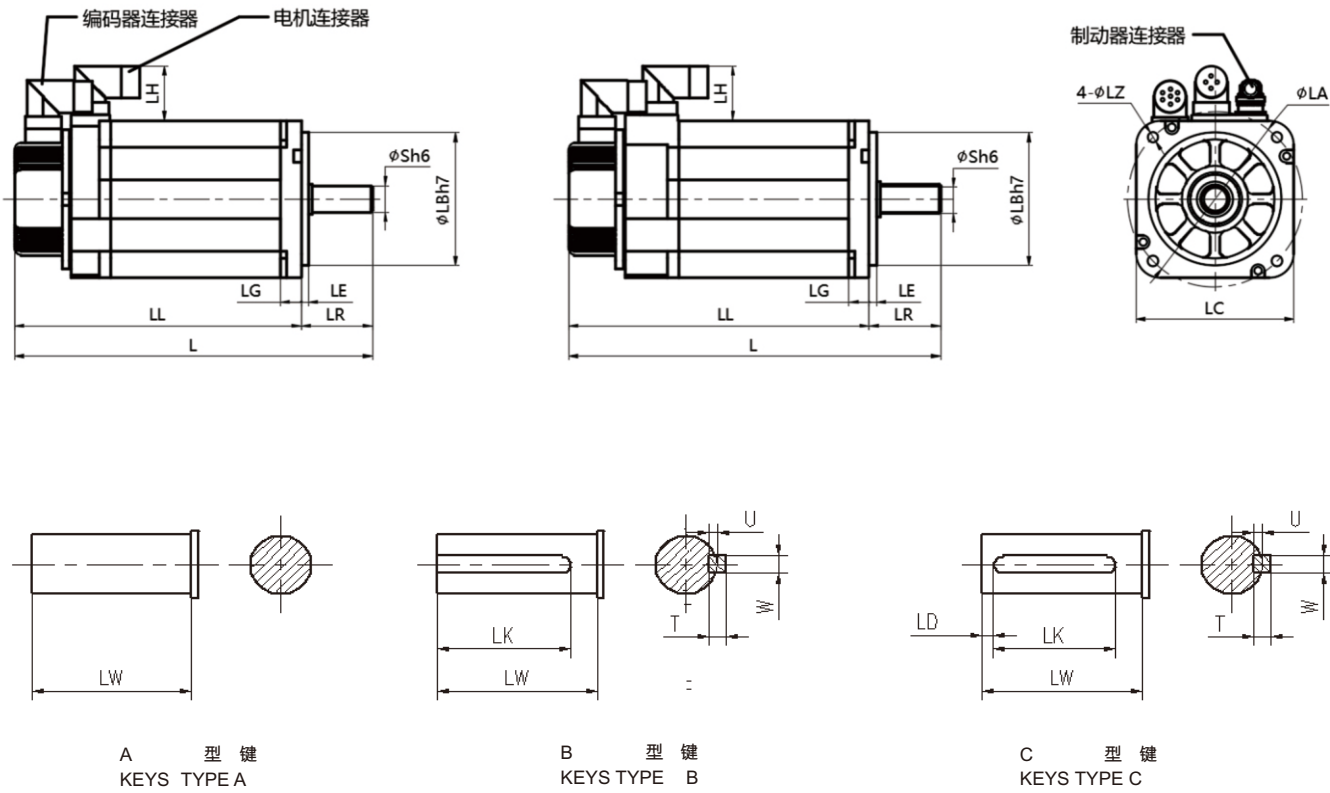
括号内为带失电制动器的转子惯量。  
Rotor moment of inertia with power-off brake in brackets.

□编码器代码  
Encoder code

最大径、轴向力：  
Max diameter/axial force



● 安装尺寸



| 型号                  | L                  | LL                 | LR | LE | LG | LC  | LA  | LZ  | φS                                | LB                                | T | U | W | LK | LW | LD     | LH |
|---------------------|--------------------|--------------------|----|----|----|-----|-----|-----|-----------------------------------|-----------------------------------|---|---|---|----|----|--------|----|
| 130STL-M0983060H□DD | 295.5<br>( 307.5 ) | 236.5<br>( 248.5 ) | 59 | 6  | 17 | 130 | 145 | 8.5 | 24 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 7 | 4 | 8 | 40 | 50 | 5      | 45 |
| 130STL-M1263060H□DD | 315.5<br>( 327.5 ) | 256.5<br>( 268.5 ) | 59 | 6  | 17 | 130 | 145 | 8.5 | 24 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 7 | 4 | 8 | 40 | 50 | 5      | 45 |
| 130STL-M1583060H□DD | 339.5<br>( 351.5 ) | 276.5<br>( 288.5 ) | 63 | 6  | 17 | 130 | 145 | 8.5 | 28 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 7 | 4 | 8 | 54 | 54 | (无C型键) | 45 |

注：括号内的数值为带失电制动器的电机长度。  
Attention：Rotor moment of inertia with power-off brake in brackets.

特 点

FEATURES

|                         |                             |
|-------------------------|-----------------------------|
| 机座 ( mm ) : 130         | 额定转矩 ( Nm ) : 5.4~14.6      |
| FRAME SIZE              | RATED TORQUE                |
| 额定转速(rpm) : 1500、2000   | 最高转速 ( rpm ) : 3000、4000    |
| RATED SPEED             | MAXIMUM SPEED               |
| 失电制动器 : 选配              | 额定功率(Kw) : 0.85~3.1         |
| ELECTRIC LOSS BRAKE     | RATED POWER                 |
| 绝缘等级 : F                | 极对数 : 5                     |
| INSULATION GRADE        | POLES                       |
| 安装方式 : 法兰盘              | 防护等级 : : 密封自冷式IP67          |
| INSTALLATION METHOD     | PROTECTION CLASS            |
| 环境温度 : 0~55℃            | 适配驱动器工作电压 ( VAC ) : 220、380 |
| ENVIRONMENT TEMPERATURE | MATCHED DRIVER              |
|                         | 环境湿度 : < 90% ( 无结露 )        |
|                         | ENVIRONMENT HUMIDITY        |

STP系列伺服电机命名规则

STP PRODUCTS CODE SPECIFICATION

|       |       |   |     |     |     |     |     |     |     |      |      |      |
|-------|-------|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 130   | STP   | - | M   | 054 | 15  | 30  | L   | M1  | D   | D    | Z    | /C   |
| ( 1 ) | ( 2 ) |   | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |

- ( 1 ) 机座号

FRAME SIZE
- ( 2 ) 交流永磁同步伺服电机

AC PERMANENT MAGNET
- ( 3 ) 反馈元件类型

FEEDBACK COMPONENTS TYPE
- ( 4 ) 额定转矩 : 三位数 × 0.1Nm

RATED TORQUE : THE THREE-DIGIT NUMBER×0.1NM
- ( 5 ) 额定转速 : 二位数×100rpm

RATED SPEED : THE DOUBLE-DIGITAL NUMBER×100RPM
- ( 6 ) 最高转速 : 二位数×100rpm

MAXIMUM SPEED : THE DOUBLE-DIGITAL NUMBER×100RPM
- ( 7 ) 驱动器工作电压 ( VAC ) : 220、380

DRIVER WORKING VOLTAGE CODE
- ( 8 ) 编码器代码

ENCODER CODE
- ( 9 ) 产品系列

PRODUCT SERIES
- ( 10 ) 具有最高转速特性

MAXIMUM SPEED FEATURES
- ( 11 ) 安装了失电制动器

WITH THE POWER-OFF BRAKE
- ( 12 ) 轴伸端键槽代码, 无键无代码

THE SHAFT END KEYWAY CODE, NO CODE MEANS NO KEY

STP系列一览表  
STP SERIES LIST

| 电机型号<br>MOTOR TYPE  | 主要参数<br>TECHNICAL PARAMETERS |                     |                      |                       |                     |
|---------------------|------------------------------|---------------------|----------------------|-----------------------|---------------------|
|                     | 额定转矩<br>RATED TORQUE         | 额定转速<br>RATED SPEED | 最高转速<br>MAXIMUMSPEED | 额定电流<br>RATED CURRENT | 额定功率<br>RATED POWER |
| 130STP-M0541530L□DD | 5.4 Nm                       | 1500 rpm            | 3000 rpm             | 6.5 A                 | 0.85 Kw             |
| 130STP-M0541530H□DD | 5.4 Nm                       | 1500 rpm            | 3000 rpm             | 3.6 A                 | 0.85 Kw             |
| 130STP-M0542040H□DD | 5.4 Nm                       | 2000 rpm            | 4000 rpm             | 5 A                   | 1.1 Kw              |
| 130STP-M0641530L□DD | 6.4 Nm                       | 1500 rpm            | 3000 rpm             | 8 A                   | 1 Kw                |
| 130STP-M0641530H□DD | 6.4 Nm                       | 1500 rpm            | 3000 rpm             | 4.2 A                 | 1 Kw                |
| 130STP-M0642040H□DD | 6.4 Nm                       | 2000 rpm            | 4000 rpm             | 5.5 A                 | 1.3 Kw              |
| 130STP-M0751530L□DD | 7.5 Nm                       | 1500 rpm            | 3000 rpm             | 9 A                   | 1.2 Kw              |
| 130STP-M0751530H□DD | 7.5 Nm                       | 1500 rpm            | 3000 rpm             | 4.8 A                 | 1.2 Kw              |
| 130STP-M0752040H□DD | 7.5 Nm                       | 2000 rpm            | 4000 rpm             | 6.2 A                 | 1.6 Kw              |
| 130STP-M0841530L□DD | 8.4 Nm                       | 1500 rpm            | 3000 rpm             | 9.5 A                 | 1.3 Kw              |
| 130STP-M0841530H□DD | 8.4 Nm                       | 1500 rpm            | 3000 rpm             | 5.8 A                 | 1.3 Kw              |
| 130STP-M0842040H□DD | 8.4 Nm                       | 2000 rpm            | 4000 rpm             | 6.8 A                 | 1.8 Kw              |
| 130STP-M0961530L□DD | 9.6 Nm                       | 1500 rpm            | 3000 rpm             | 10 A                  | 1.5 Kw              |
| 130STP-M0961530H□DD | 9.6 Nm                       | 1500 rpm            | 3000 rpm             | 6 A                   | 1.5 Kw              |
| 130STP-M0962040H□DD | 9.6 Nm                       | 2000 rpm            | 4000 rpm             | 7.8 A                 | 2 Kw                |
| 130STP-M1151530L□DD | 11.5 Nm                      | 1500 rpm            | 3000 rpm             | 14 A                  | 1.8 Kw              |
| 130STP-M1151530H□DD | 11.5 Nm                      | 1500 rpm            | 3000 rpm             | 7 A                   | 1.8 Kw              |
| 130STP-M1152040H□DD | 11.5 Nm                      | 2000 rpm            | 4000 rpm             | 8.2 A                 | 2.4 Kw              |
| 130STP-M1461530L□DD | 14.6 Nm                      | 1500 rpm            | 3000 rpm             | 16 A                  | 2.3 Kw              |
| 130STP-M1461530H□DD | 14.6 Nm                      | 1500 rpm            | 3000 rpm             | 9 A                   | 2.3 Kw              |
| 130STP-M1462040H□DD | 14.6 Nm                      | 2000 rpm            | 4000 rpm             | 10 A                  | 3.1 Kw              |

□编码器代码  
Encodercode

STP系列伺服电机

STP SERIES SERVO MOTORS

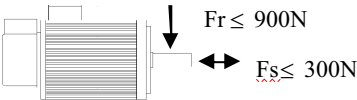
- 130 机座 ( 1500rpm/3000rpm )
- FRAME

|                                    |                                                                                |                                                                                |                                                                                |                                                                                |
|------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STP-M0541530L□DD                                                            | 130STP-M0541530H□DD                                                            | 130STP-M0641530L□DD                                                            | 130STP-M0641530H□DD                                                            |
| 额定功率<br>RATED POWER                | 0.85 Kw                                                                        | 0.85 Kw                                                                        | 1.0 Kw                                                                         | 1.0 Kw                                                                         |
| 额定转矩<br>RATED TORQUE               | 5.4 Nm                                                                         | 5.4 Nm                                                                         | 6.4 Nm                                                                         | 6.4 Nm                                                                         |
| 额定转速<br>RATED SPEED                | 1500 rpm                                                                       | 1500 rpm                                                                       | 1500 rpm                                                                       | 1500 rpm                                                                       |
| 最高转速<br>MAXIMUM SPEED              | 3000 rpm                                                                       | 3000 rpm                                                                       | 3000 rpm                                                                       | 3000 rpm                                                                       |
| 额定电流<br>RATED CURRENT              | 6.5 A                                                                          | 3.6 A                                                                          | 8.0 A                                                                          | 4.2 A                                                                          |
| 转子惯量<br>ROTOR INERTIA              | 1.388 Kg $\text{m}^2\times 10^{-3}$<br>( 1.555 Kg $\text{m}^2\times 10^{-3}$ ) | 1.388 Kg $\text{m}^2\times 10^{-3}$<br>( 1.555 Kg $\text{m}^2\times 10^{-3}$ ) | 1.604 Kg $\text{m}^2\times 10^{-3}$<br>( 1.771 Kg $\text{m}^2\times 10^{-3}$ ) | 1.604 Kg $\text{m}^2\times 10^{-3}$<br>( 1.771 Kg $\text{m}^2\times 10^{-3}$ ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 2.673ms                                                                        | 2.673 ms                                                                       | 2.075 ms                                                                       | 2.075 ms                                                                       |
| 最大转矩<br>MAX TORQUE                 | 16.2 Nm                                                                        | 16.2 Nm                                                                        | 19.2 Nm                                                                        | 19.2 Nm                                                                        |

|                                    |                                                                                |                                                                                |                                                                                |                                                                                |
|------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STP-M0751530L□DD                                                            | 130STP-M0751530H□DD                                                            | 130STP-M0841530L□DD                                                            | 130STP-M0841530H□DD                                                            |
| 额定功率<br>RATED POWER                | 1.2 Kw                                                                         | 1.2 Kw                                                                         | 1.3 Kw                                                                         | 1.3 Kw                                                                         |
| 额定转矩<br>RATED TORQUE               | 7.5 Nm                                                                         | 7.5 Nm                                                                         | 8.4 Nm                                                                         | 8.4 Nm                                                                         |
| 额定转速<br>RATED SPEED                | 1500 rpm                                                                       | 1500 rpm                                                                       | 1500 rpm                                                                       | 1500 rpm                                                                       |
| 最高转速<br>MAXIMUM SPEED              | 3000 rpm                                                                       | 3000 rpm                                                                       | 3000 rpm                                                                       | 3000 rpm                                                                       |
| 额定电流<br>RATED CURRENT              | 9.0 A                                                                          | 4.8 A                                                                          | 9.5 A                                                                          | 5.8 A                                                                          |
| 转子惯量<br>ROTOR INERTIA              | 1.857 Kg $\text{m}^2\times 10^{-3}$<br>( 2.024 Kg $\text{m}^2\times 10^{-3}$ ) | 1.857 Kg $\text{m}^2\times 10^{-3}$<br>( 2.024 Kg $\text{m}^2\times 10^{-3}$ ) | 2.059 Kg $\text{m}^2\times 10^{-3}$<br>( 2.226 Kg $\text{m}^2\times 10^{-3}$ ) | 2.059 Kg $\text{m}^2\times 10^{-3}$<br>( 2.226 Kg $\text{m}^2\times 10^{-3}$ ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 2.234 ms                                                                       | 2.234 ms                                                                       | 2.056 ms                                                                       | 2.056 ms                                                                       |
| 最大转矩<br>MAX TORQUE                 | 22.5 Nm                                                                        | 22.5 Nm                                                                        | 25.2 Nm                                                                        | 25.2 Nm                                                                        |

括号内为带失电制动器的转子惯量。  
Rotor moment of inertia with power-off brake in brackets.

□编码器代码  
Encodercode  
最大径、轴向力：  
Max diameter/axial force



STP系列伺服电机

STP SERIES SERVO MOTORS

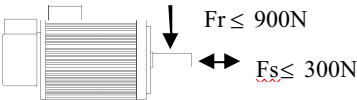
- 130 机座 ( 1500rpm/3000rpm )
- FRAME

|                                    |                                                                                                                  |                                                                                                                  |                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STP-M0961530L□DD                                                                                              | 130STP-M0961530H□DD                                                                                              | 130STP-M1151530L□DD                                                                                              |
| 额定功率<br>RATED POWER                | 1.5 Kw                                                                                                           | 1.5 Kw                                                                                                           | 1.8 Kw                                                                                                           |
| 额定转矩<br>RATED TORQUE               | 9.6 Nm                                                                                                           | 9.6 Nm                                                                                                           | 11.5 Nm                                                                                                          |
| 额定转速<br>RATED SPEED                | 1500 rpm                                                                                                         | 1500 rpm                                                                                                         | 1500 rpm                                                                                                         |
| 最高转速<br>MAXIMUM SPEED              | 3000 rpm                                                                                                         | 3000 rpm                                                                                                         | 3000 rpm                                                                                                         |
| 额定电流<br>RATED CURRENT              | 10.0 A                                                                                                           | 6.0 A                                                                                                            | 14.0 A                                                                                                           |
| 转子惯量<br>ROTOR INERTIA              | 2.369 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup><br>( 2.536 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup> ) | 2.369 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup><br>( 2.536 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup> ) | 3.015 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup><br>( 3.182 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup> ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 1.918 ms                                                                                                         | 1.918 ms                                                                                                         | 1.729 ms                                                                                                         |
| 最大转矩<br>MAX TORQUE                 | 28.8 Nm                                                                                                          | 28.8 Nm                                                                                                          | 34.5 Nm                                                                                                          |

|                                    |                                                                                                                  |                                                                                                                  |                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STP-M1151530H□DD                                                                                              | 130STP-M1461530L□DD                                                                                              | 130STP-M1461530H□DD                                                                                              |
| 额定功率<br>RATED POWER                | 1.8 Kw                                                                                                           | 2.3 Kw                                                                                                           | 2.3 Kw                                                                                                           |
| 额定转矩<br>RATED TORQUE               | 11.5 Nm                                                                                                          | 14.6 Nm                                                                                                          | 14.6 Nm                                                                                                          |
| 额定转速<br>RATED SPEED                | 1500 rpm                                                                                                         | 1500 rpm                                                                                                         | 1500 rpm                                                                                                         |
| 最高转速<br>MAXIMUM SPEED              | 3000 rpm                                                                                                         | 3000 rpm                                                                                                         | 3000 rpm                                                                                                         |
| 额定电流<br>RATED CURRENT              | 7.0 A                                                                                                            | 16.0 A                                                                                                           | 9.0 A                                                                                                            |
| 转子惯量<br>ROTOR INERTIA              | 3.015 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup><br>( 3.182 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup> ) | 4.070 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup><br>( 4.237 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup> ) | 4.070 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup><br>( 4.237 Kg <sup>m</sup> <sup>2</sup> ×10 <sup>-3</sup> ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 1.729 ms                                                                                                         | 1.477 ms                                                                                                         | 1.477 ms                                                                                                         |
| 最大转矩<br>MAX TORQUE                 | 34.5 Nm                                                                                                          | 43.8 Nm                                                                                                          | 43.8 Nm                                                                                                          |

括号内为带失电制动器的转子惯量。  
Rotor moment of inertia with power-off brake in brackets.

□编码器代码  
Encodercode  
最大径、轴向力：  
Max diameter/axial force



STP系列伺服电机

STP SERIES SERVO MOTORS

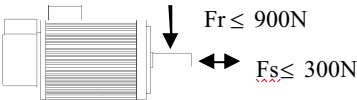
- 130 机座 ( 2000rpm/4000rpm )
- FRAME

|                                    |                                                                                                          |                                                                                                          |                                                                                                          |                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STP-M0542040H□DD                                                                                      | 130STP-M0642040H□DD                                                                                      | 130STP-M0752040H□DD                                                                                      | 130STP-M0842040H□DD                                                                                      |
| 额定功率<br>RATED POWER                | 1.1 Kw                                                                                                   | 1.3 Kw                                                                                                   | 1.6 Kw                                                                                                   | 1.8 Kw                                                                                                   |
| 额定转矩<br>RATED TORQUE               | 5.4 Nm                                                                                                   | 6.4 Nm                                                                                                   | 7.5 Nm                                                                                                   | 8.4 Nm                                                                                                   |
| 额定转速<br>RATED SPEED                | 2000 rpm                                                                                                 | 2000 rpm                                                                                                 | 2000 rpm                                                                                                 | 2000 rpm                                                                                                 |
| 最高转速<br>MAXIMUM SPEED              | 4000 rpm                                                                                                 | 4000 rpm                                                                                                 | 4000 rpm                                                                                                 | 4000 rpm                                                                                                 |
| 额定电流<br>RATED CURRENT              | 5.0 A                                                                                                    | 5.5 A                                                                                                    | 6.2 A                                                                                                    | 6.8 A                                                                                                    |
| 转子惯量<br>ROTOR INERTIA              | 1.388 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 1.555 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) | 1.604 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 1.771 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) | 1.857 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 2.024 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) | 2.059 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 2.226 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 2.673 ms                                                                                                 | 2.075 ms                                                                                                 | 2.234 ms                                                                                                 | 2.056 ms                                                                                                 |
| 最大转矩<br>MAX TORQUE                 | 16.2 Nm                                                                                                  | 19.2 Nm                                                                                                  | 22.5 Nm                                                                                                  | 25.2 Nm                                                                                                  |

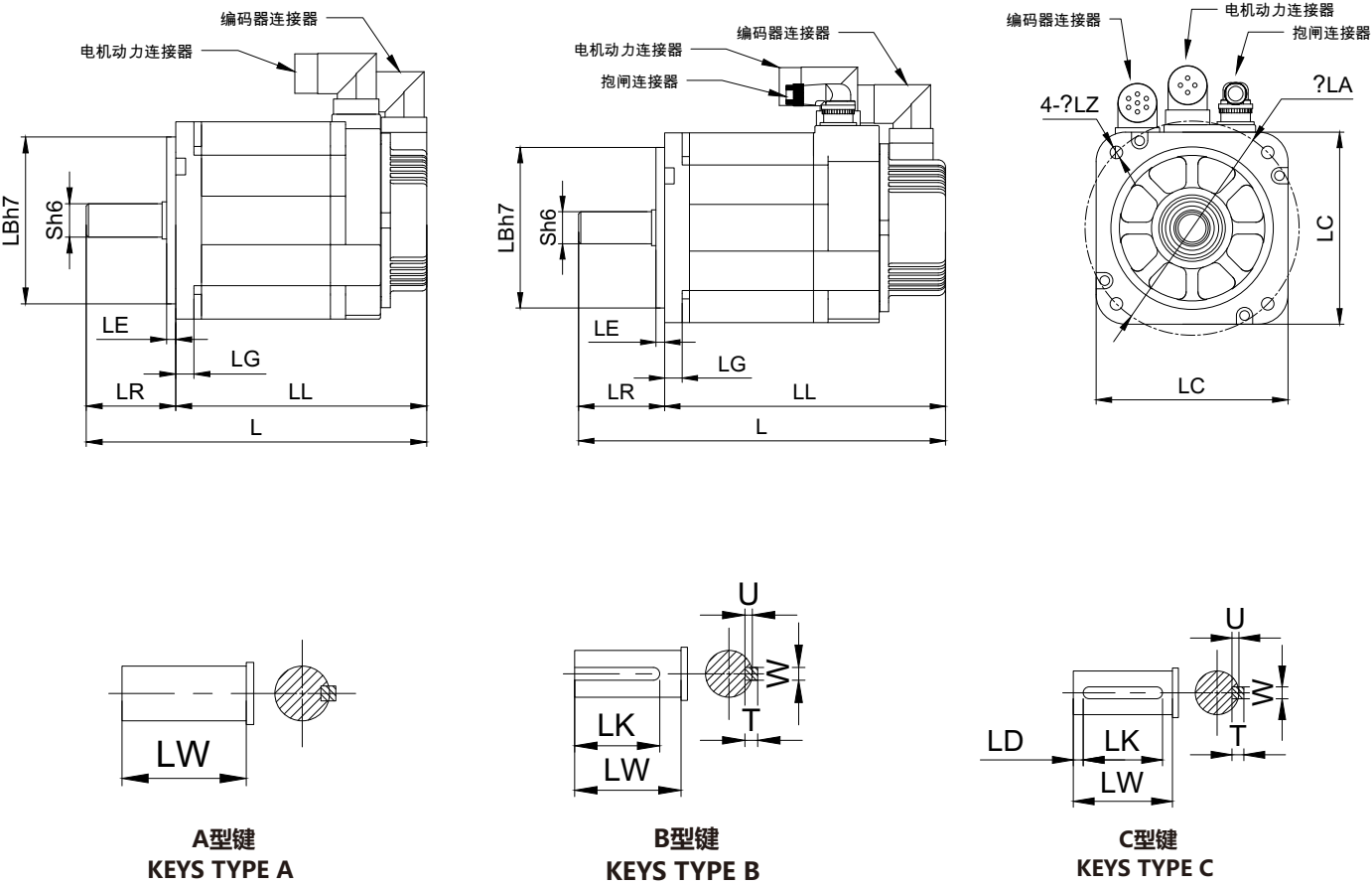
|                                    |                                                                                                          |                                                                                                          |                                                                                                         |
|------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 电机型号<br>MOTOR TYPE                 | 130STP-M0962040H□DD                                                                                      | 130STP-M1152040H□DD                                                                                      | 130STP-M1462040H□DD                                                                                     |
| 额定功率<br>RATED POWER                | 2.0 Kw                                                                                                   | 2.4 Kw                                                                                                   | 3.1 Kw                                                                                                  |
| 额定转矩<br>RATED TORQUE               | 9.6 Nm                                                                                                   | 11.5 Nm                                                                                                  | 14.6 Nm                                                                                                 |
| 额定转速<br>RATED SPEED                | 2000 rpm                                                                                                 | 2000 rpm                                                                                                 | 2000 rpm                                                                                                |
| 最高转速<br>MAXIMUM SPEED              | 4000 rpm                                                                                                 | 4000 rpm                                                                                                 | 4000 rpm                                                                                                |
| 额定电流<br>RATED CURRENT              | 7.8 A                                                                                                    | 8.2 A                                                                                                    | 10.0 A                                                                                                  |
| 转子惯量<br>ROTOR INERTIA              | 2.369 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 2.536 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) | 3.015 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 3.182 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) | 4.07 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$<br>( 4.237 Kg $\cdot$ m <sup>2</sup> $\times 10^{-3}$ ) |
| 机械时间常数<br>MECHANICAL CONSTANT TIME | 1.918 ms                                                                                                 | 1.729 ms                                                                                                 | 1.477 ms                                                                                                |
| 最大转矩<br>MAX TORQUE                 | 28.8 Nm                                                                                                  | 34.5 Nm                                                                                                  | 43.8 Nm                                                                                                 |

括号内为带失电制动器的转子惯量。  
Rotor moment of inertia with power-off brake in brackets.

□编码器代码  
Encoder code  
最大径、轴向力：  
Max diameter/axial force



● 安装尺寸



| 型号                                                                | L              | LL             | LR | LE | LG | LC  | LA  | LZ  | ΦS                                | LB                                | T | U   | W | LK | LW | LD |
|-------------------------------------------------------------------|----------------|----------------|----|----|----|-----|-----|-----|-----------------------------------|-----------------------------------|---|-----|---|----|----|----|
| 130STP-M0541530L□DD<br>130STP-M0541530H□DD<br>130STP-M0542040H□DD | 204<br>( 231 ) | 145<br>( 172 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |
| 130STP-M0641530L□DD<br>130STP-M0641530H□DD<br>130STP-M0642040H□DD | 211<br>( 238 ) | 152<br>( 179 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |
| 130STP-M0751530L□DD<br>130STP-M0751530H□DD<br>130STP-M0752040H□DD | 218<br>( 245 ) | 159<br>( 186 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |
| 130STP-M0841530L□DD<br>130STP-M0841530H□DD<br>130STP-M0842040H□DD | 224<br>( 251 ) | 165<br>( 192 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |
| 130STP-M0961530L□DD<br>130STP-M0961530H□DD<br>130STP-M0962040H□DD | 232<br>( 259 ) | 173<br>( 200 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |
| 130STP-M1151530L□DD<br>130STP-M1151530H□DD<br>130STP-M1152040H□DD | 255<br>( 282 ) | 196<br>( 223 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |
| 130STP-M1461530L□DD<br>130STP-M1461530H□DD<br>130STP-M1462040H□DD | 287<br>( 314 ) | 228<br>( 255 ) | 59 | 6  | 12 | 130 | 145 | 8.5 | 22 <sup>0</sup> <sub>-0.013</sub> | 110 <sup>0</sup> <sub>-0.04</sub> | 6 | 3.5 | 6 | 40 | 50 | 5  |

注：括号内的数值为带失电制动器的电机长度。  
Attention：Rotor moment of inertia with power-off brake in brackets.





定转子冲片生产线



全自动嵌线生产线



机加工生产线



电机总装生产线

由丝入微

与您共进

| 与 | 您 | 共 | 进 |



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